NC DEPARTMENT OF TRANSPORTATION ATTENTION: PARS SUBMITTED
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT
Structure Safety Report
Routine Element Inspection - Contract
INSPECTION DATE:03/07/2022
DIVISION: 13 COUNTY: MADISON STRUCTURE NUMBER: 560149 FREQUENCY: 24 MONTHS
FACILITY CARRIED: SR1318 MILE POST:
LOCATION: .15 MI.W.JCT.SR1334
FEATURE INTERSECTED: BIG LAUREL CREEK
LATITUDE: 35° 55' 11.57" LONGITUDE: 82° 40' 13.76"
SUPERSTRUCTURE: TIMBER FLOOR ON SALVAGE I-BEAMS
SUBSTRUCTURE: EXISTING YOUNT MASONRY ABUTMENTS AND PIER
SPANS: 2 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS
FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION
GRADES: (Inspector/NBI Coding) DECK 7/7 SUPERSTRUCTURE 4/4 SUBSTRUCTURE 4/4 CULVERT N/N
POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: (4) DELINEATORS, (2) ONE LANE BRIDGE



	ign notice ssued for		Number Required
	NO	WEIGHT LIMIT	0
	NO	DELINEATORS	0
_	NO	NARROW BRIDGE	0
_	NO	ONE LANE BRIDGE	0
-	NO	LOW CLEARANCE	0



DIRECTION MATCHES PLANS

WEST APPROACH

INSPECTED BY RICK POOLE SIGNATURE RAC ASSISTED BY N. KING, C. BARBER, K. LO

NATIONAL BRIDGE INVENTROY ----- STRUCTURE INVENTORY AND APPRAISAL

05/20/2022

(1) STATE NAME NORTH CAROLINA BRIDGE		560149	SUFFICIENCY RATING	-		44.9
(8) STRUCTURE NUMBER (FEDERAL)		1150149	STATUS =	S	Structurally Defi	icien
(5) INVENTORY ROUTE (ON/UNDER) ON	1:	31013180		CLASSIFICATION	CO	DE
(2) STATE HIGHWAY DEPARTMENT DISTRICT(3) COUNTY CODE (FEDERAL)115 (4) PLACE CODE		13 00000	(112) NBIS BRIDGE SYSTEM			YE
(6) FEATURE INTERSECTED BIG LAUREL CREEK		00000	(104) HIGHWAY SYSTEM	Inventory Route no	t on NHS	
(7) FACILITY CARRIED SR1318			(26) FUNCTIONAL CLASS	Rural Minor	Collector	C
(9) LOCATION .15 MI.W.JCT.SR1334			(100) STRAHNET HIGHWAY	Not a STRAHN	ET Route	
(11) MILEPOINT		0.0	(101) PARALLEL STRUCTURE	No parallel structu	ure exists	
		0	(102) DIRECTION OF TRAFFIC	One lar	ne bridge	
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 35° 55' 11.57" (17) LONGITUDE	82° 4	10' 13.76"	(103) TEMPORARY STRUCTUR	E		
(98) BORDER BRIDGE STATE CODE PERCENT SI		10.10	(110) DESIGNATED NATIONAL	NETWORK - on national network f	or trucks	
(99) BORDER BRIDGE STRUCTURE NUMBER			(20) TOLL	On F	ree Road	
			(21) MAINT -			
(43) STRUCTURE TYPE AND MATERIAL •		Steel	(22) OWNER -			(
TYPE Stringer/Multi-beam or girde		302	. ,	·E		Ì
(44) STRUCTURE TYPE APPROACH	OODL	002	(37) HISTORICAL SIGNIFICANC			
TYPE	CODE		(58) DECK	CONDITION	CO	DE
	CODE		. ,			
(45) NUMBER OF SPANS IN MAIN UNIT		2				
(46) NUMBER OF SPANS IN APPROACH		0	(60) SUBSTRUCTURE			
(107) DECK STRUCTURE TYPE	CODE	8	(61) CHANNEL & CHANNEL PR	OTECTION		
(108)WEARING SURFACE/PROTECTIVE SYSTEM			(62) CULVERTS			
(A) TYPE OF WEARING SURFACE	CODE	6		RATING AND POSTING	CO	DE
(B) TYPE OF MEMBRANE	CODE	0	(31) DESIGN LOAD		Unknown	
(C) TYPE OF DECK PROTECTION	CODE	0	(63) OPERATING RATING METH	HOD - Loa	ad Factor	
AGE AND SERVICE			(64) OPERATING RATING -		HS-26	4
(27) YEAR BUILT		1951	(65) INVENTORY RATING METH	HOD -		
(106) YEAR RECONSTRUCTED		1983	(66) INVENTORY RATING		HS-16	2
(42) TYPE OF SERVICE ON -		Highway	(70) BRIDGE POSTING	No Posting	Required	
OFF - Waterway	CODE	15	(41) STRUCTURE OPEN, POST	ED, OR CLOSED		
(28) LANES ON STRUCTURE 2 LANES UNDER STRU	CTURE	0	DESCRIPTION	Open, no res	striction	
(29) AVERAGE DAILY TRAFFIC		350		APPRAISAL	CO	DE
(30) YEAR OF ADT 2019 (109) TRUCK ADT PC	т	6	(67) STRUCTURAL EVALUATIO	Ν		
(19) BYPASS OR DETOUR LENGTH		11.0	(68) DECK GEOMETRY			
GEOMETRIC DATA			(69) UNDERCLEARANCES, VEF	RT & HORIZ		
(48) LENGTH OF MAXIMUM SPAN		40.0	(71) WATERWAY ADEQUACY			
(49) STRUCTURE LENGTH		82.0	(72) APPROACH ROADWAY AL	IGNMENT		
(50) CURB OR SIDEWALK: LEFT 0.0 RIGHT (51) BRIDGE ROADWAY WIDTH, CURB TO CURB		0.0 17.3	(36) TRAFFIC SAFETY FEATUR	ES		000
(52) DECK WIDTH OUT TO OUT		18.5	(113) SCOUR CRITICAL BRIDG	ES		
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)		18.0	PROP			
(33) BRIDGE MEDIAN No median	CODE	0	(75) TYPE OF WORK		CODE	
(34) SKEW 45 (35) STRUCTURE FLARED		0	(76) LENGTH OF STRUCTURE	IMPROVEMENT		
(10) INVENTORY ROUTE MIN VERT CLEAR(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		999.9 17.3	(94) BRIDGE IMPROVEMENT C	OST		
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9	(95) ROADWAY IMPROVEMEN	T COST		
(54) MIN VERT UNDERCLEAR: REFERENCE		0.0	(96) TOTAL PROJECT COST			
	Ν	0.0	(97) YEAR OF IMPROVEMENT	COST ESTIMATE		
(56) MIN LAT UNDERCLEARANCE LT:		0.0	(114) FUTURE ADT	700 YEAR OF FUTURE AE	Τ	204
(38) NAVIGATION CONTROL -	CODE	0	(90) INSPECTION DATE	03/22 (91) FRE	QUENCY	2
(11) PIER PROTECTION	CODE	-	(92) CRITICAL FEATURE INSPE		3) CFI DATE	-
(39) NAVIGATION VERTICAL CLEARANCE		0.0	A) FRACTURE CRIT DETA	· ·	-	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR		0.0	B) UNDERWATER INSP	B)		
			C) OTHER SPECIAL INSP	C)		
(40) NAVIGATION HORIZONTAL CLEARANCE		0.0	OF OTHER OF ECIAL INSP	U)		

Superstructure Build Details

Skew 135.0000

Span Length <u>40.6670</u>

Span Number <u>1</u>

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
8	Plate Girder	Steel Open Girder/Beam	312	Feet	Legacy Red Lead Primer Systems with Various Topcoats	2144
2	Steel Rail	Metal Bridge Railing	82	Feet	Galvanized Protective System	82
1	Timber Deck	Timber Deck	753	Square Feet		
16	Other Bearing	Other Bearings	16	Each	Legacy Red Lead Primer Systems with Various Topcoats	16
1	Asphalt Wearing Surface	Wearing Surface	705	Square Feet		

Number of Items				Quantity	Protective System Applied	Quantity (Sq Ft)	
16	Other Bearing	Other Bearings	16	Each	Legacy Red Lead Primer Systems with Various Topcoats	16	
1	Timber Deck	Timber Deck	765	Square Feet			
1	Asphalt Wearing Surface	Wearing Surface	717	Square Feet			
2	Steel Rail	Metal Bridge Railing	84	Feet	Galvanized Protective System	84	
8	Plate Girder	Steel Open Girder/Beam	312	Feet	Legacy Red Lead Primer Systems with Various Topcoats	2144	

Structure Element Scoring

Structure Number: 560149

Inspection Date 3/7/2022

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31	0	Timber Deck	Deck	1518	1518	0	0	0
107	0	Steel Open Girder/Beam	Beam	624	0	0	0	624
515	107	Steel Protective Coating	Beam	4288	190	0	4098	0
210	0	Reinforced Concrete Pier Wall	Piles and Columns	25	0	3	22	0
215	0	Reinforced Concrete Abutment	Abutments	98	28	3	67	0
234	0	Reinforced Concrete Pier Cap	Caps	26	21	5	0	0
316	0	Other Bearings	Bearing Device	32	0	0	32	0
515	316	Steel Protective Coating	Bearing Device	32	0	0	2	30
330	0	Metal Bridge Railing	Bridge Rail	166	125	6	35	0
515	330	Steel Protective Coating	Bridge Rail	166	134	0	32	0
510	0	Wearing Surface	Wearing Surfaces	1422	309	0	1113	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 560149

Inspection Date: 03/07/2022

MMS Code	Element Name	Defect Name	Recommended Quantity				
3314	Steel Open Girder/Beam	Corrosion	624 Feet				
3348	Reinforced Concrete Pier Wall	Delamination/Spall	22 Feet				
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	10 Feet				
3350	Reinforced Concrete Abutment	Delamination/Spall	55 Feet				
3350	Reinforced Concrete Abutment	Abrasion/Wear (PSC/RC)	4 Feet				
3334	Other Bearings	Corrosion	32 Each				
3322	Metal Bridge Railing	Corrosion	32 Square Feet				
3322	Metal Bridge Railing	Connection	7 Feet				
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	1 Square Feet				
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	12 Square Feet				
2816	Wearing Surface	Crack (Wearing Surface)	1100 Square Feet				
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	3962 Square Feet				

Element Structure Maintenance Quantities

	1.11.10					_		
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
				· · ·	Quantity		· · · · ·	,
Abutments	3350	Maintenance of Concrete Wings and Wall	69	98	0	67	3	28
Beam	3314	Maintenance Steel Superstructure Components	624	624	624	0	0	0
Beam	3342	Clean and Paint Steel	3898	4288	0	4098	0	190
Bearing Device	3334	Bridge Bearing	32	32	0	32	0	0
Bearing Device	3342	Clean and Paint Steel	32	32	30	2	0	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	39	166	0	35	6	125
Bridge Rail	3342	Clean and Paint Steel	32	166	0	32	0	134
Caps	3348	Maintenance of Concrete Substructure	0	26	0	0	5	21
Deck	3324	Maintenance of Timber Deck Components	0	1518	0	0	0	1518
Piles and Columns	3348	Maintenance of Concrete Substructure	22	25	0	22	3	0
Wearing Surfaces	2816	Asphalt Surface Repair	1113	1422	0	1113	0	309

an1			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	39	Span 1 Beam 1: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGE OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUA WEB, FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE 0.16" BOTTOM FLANGE
3314	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 2: (PAR) AT END BENT 1, CORROSION ALONG RIGHT EDGE OF
2	Corrosion	38	BOTTOM FLANGE WITH 2" LONG X 1/2" WIDE HOLE Span 1 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGE OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.25" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.28" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE
3314	Beam 3	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	39	Span 1 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGE OF BOTH FLANGES UP TO FULL LENGTH X 10" HIGH DOWN TO 0.16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.23" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	39	Span 1 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGE OF BOTH FLANGES UP TO FULL LENGTH X 8" HIGH DOWN TO 0.216" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL BOTTOM FLANGE
3314	Beam 5	Plate Girder	
Priority		0	
Level	Defect Type	Quantity	
2	Corrosion	39	Span 1 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGE OF BOTH FLANGES UP TO FULL LENGTH X 2" HIGH DOWN TO 5/16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.37" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN 0.08" TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE
3314	Beam 6	Plate Girder	

Priority			
Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB UP TO 2" LONG X 6" HIGH DOWN TO KNIFE'S EDGE RESIDUAL WEB WITH 1/2" DIAMETER HOLE 5" FROM TOP FLANGE AT END OF BEAM AT PIER (NO PHOTO)
2	Corrosion	38	Span 1 Beam 6: (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4 FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE, AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE
3314	Beam 7	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	39	Span 1 Beam 7: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES UP T FULL LENGTH X 4" WIDE DOWN TO 0.45" RESIDUAL TOP FLANGE, AND UP T 4' FROM END BENT 1 DOWN TO 0.18" RESIDUAL BOTTOM FLANGE
3314	Beam 8	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	39	Span 1 Beam 8: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES @ EN BENT 1, 0.28" RESIDUAL TOP FLANGE, AND 0.42" RESIDUAL BOTTOM FLANG
pan2			
3322	Left Bridge Rail	Steel Rail	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	2	Span 2 Left Bridge Rail: (PAR) RAIL POSTS 5 AND 6, TWO (2) MISSING BOLTS AT
3322	Right Bridge Rail	Steel Rail	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 2 Right Bridge Rail: (PAR) MISSING BOLT AT CONNECTION OF RAIL POS TO BEAM 8, APPROXIMATELY 15' FROM ABUTMENT 2
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 1: (PAR) Bay 1 Diaphragm, 5ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 4" LONG X 2" WIDE HOLES IN TO FLANGE

Structure Number 560149 SECTION LOSS FOR 1' IN BOTTOM LEFT FLANGE 3314 Beam 2 Plate Girder Priority Quantity **Defect Description** Defect Type Level (2) Corrosion 39 Span 2 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR END BENT 2 DOWN TO 0.24" RESIDUAL WEB, NEAR END BENT 2 DOWN TO 0.23" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.08" RESIDUAL BOTTOM FLANGE 3314 Beam 3 Plate Girder Priority Quantity **Defect Description** Level Defect Type (2) Corrosion Span 2 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES 39 OF BOTH FLANGES NEAR MIDSPAN DOWN TO 0.25" RESIDUAL WEB, NEAR END BENT 2 0.20" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.30" RESIDUAL BOTTOM FLANGE 3314 Plate Girder Beam 4 Priority **Defect Description** Level Defect Type Quantity 2 Corrosion 39 Span 2 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 16" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE 3314 Beam 5 Plate Girder Priority Defect Type Quantity **Defect Description** Level (2) Corrosion 1 Span 2 Beam 5: (PAR) 8' FROM PIER, 8"x 3" HOLE IN WEB AND RIGHT EDGE OF BOTTOM FLANGE WITH FIVE (5) HOLES UP TO 1" DIAMETER IN WEB (NO PHOTO) (2) Corrosion 38 Span 2 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES 8' FROM BENT 1 AND @ BEAM END PATCH HAS 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE AREAS DOWN TO KNIFE'S EDGE & 100% SECTION LOSS IN BOTTOM FLANGE 3314 Beam 6 Plate Girder Priority Quantity Level Defect Type **Defect Description** (2) Span 2 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES Corrosion 39 OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" **RESIDUAL BOTTOM FLANGE** 3314 Beam 7 Plate Girder Priority Action Request (PAR) Assigned Routine Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

Structure Nur	mber <u>560149</u>		
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	38	Span 2 Beam 7: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.41" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.303" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE
2	Corrosion	1	Span 2 Beam 7: (PAR) Span 2 Bay 7 Diaphragm 10ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 3" LONG X 1" WIDE HOLES IN TOP FLANGE, TWO (2) 3" LONG X 1" WIDE HOLES IN BOTTOM FLANGE, AND 3" HIGH X 1 1/2" WIDE HOLE IN WEB
3314	Beam 8	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	39	Span 2 Beam 8: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 3/8" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.19" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE

Bent 1

3350	Abutment	Reinforced Co	Reinforced Concrete Abutment		
Priority Level	Defect Type	Quantity	Defect Description		
2	Delamination/Spall	3	End Bent 1 Abutment: (PAR) 38" X 7" X UP TO 4" DEEP SPALL IN FACE OF CAP BENEATH BEAMS 1 AND 2, WITH 3" X 1" LOSS OF BEARING BELOW BEAM 1		

Bent 2

3350	Abutment	Reinforced Co	ncrete Abutment
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	End Bent 2 Abutment: (PAR) BELOW BEAM 1, 16"x 22"x UP TO 10" DEEP SPALL WITH 6" X 5" LOSS OF BEARING IN FACE OF CAP
2	Delamination/Spall	19	End Bent 2 Abutment: (PAR) FROM BEAM 2 TO BAY 3, 60"x 2"x 6" DEEP SPALL WITH 1" LOSS OF BEAM 3 BEARING. FROM RIGHT END TO BEAM 4, 14' LONG x 21" HIGH FAILED REPAIR WITH UP TO 2" DEEP UNDERMING AT BEAM 5
2	Delamination/Spall	11	End Bent 2 Abutment: (PAR) NORTHEAST WINGWALL EXTENSION, 11'x 5" AREA OF DELAMINATION FOUR (4) SPALLS UP TO 3'x 3'x 5" DEEP WITH UP TO 1/8" MAP CRACKING WITH EFFLORESCENCE IN FACE



Element Condition and Maintenance Data

Span 1		,	Wearing Surface						
	Wearing Surfa								
Element	Would go out			Total	CS1	CS2	CS3	CS4	
Number		Element Name		Qty	Qty	Qty	Qty	Qty	
510	Wearing	Surface		705	155	0	550	0 S	quare Feet
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
510 Crac	ck (Wearing		ERSE AND LONGITU	JDINAL CR	ACKS IN	3	550		Square Feet
Surf: Gener	ace) ral Comments	VARIOUS LOCATIO	NS THROUGHOUT						
Span 1			Right Bridge Rail						
Steel Ra	ul								
Element				Total	CS1	CS2	CS3	CS4	
Number 330	Matal Bri	Element Name dge Railing		Qty 41	Qty 32	Qty 1	Qty 8	Qty 0 F	eet
515		otective Coating		41	32 33	0	о 8		quare Feet
Element						-		Maint	,
Number	Defect Type		Defect Description			CS	CS Qty	Qty	
	rosion		SION IN RAIL POSTS			3	8		Square Feet
330 Coni	nection	BRIDGE RAIL CONI SECTION LOSS UP	NECTION TO BEAM H TO 100%	IAS CORRO	SION &	2	1	1	Feet
515 Effe									
Prote Gener	ctiveness (Steel ective Coatings) ral Comments		ORATED PAINT SYST	TEM IN RAI	L POSTS	3	8	8	Square Feet
Prot	ective Coatings) ral Comments			TEM IN RAI	L POSTS	3	8	8	Square Feet
Prot Gener Span 1 Steel Ra Element	ective Coatings) ral Comments		ORATED PAINT SYST	Total	CS1	CS2	CS3	CS4	Square Feet
Prot Gener Span 1 Steel Ra	ective Coatings) ral Comments il	Element Name	ORATED PAINT SYST						
Prot Gener Span 1 Steel Ra Element Number	ective Coatings) ral Comments til Metal Bri		ORATED PAINT SYST	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 0 F	
Prot Gener Span 1 Steel Ra Element Number 330 515 Element	ective Coatings) ral Comments til Metal Bri	Element Name dge Railing	ORATED PAINT SYST	Total Qty 41	CS1 Qty 32	CS2 Qty 1	CS3 Qty 8	CS4 Qty 0 F	eet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion	Element Name dge Railing otective Coating AREAS OF CORRO	ORATED PAINT SYST	Total Qty 41 41	CS1 Qty 32 33	CS2 Qty 1 0	CS3 Qty 8 8	CS4 Qty 0 F 0 S Maint Qty 8	eet quare Feet Square Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr	ective Coatings) ral Comments hil Metal Bri Steel Pro Defect Type	Element Name idge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI	ORATED PAINT SYST	Total Qty 41 41	CS1 Qty 32 33	CS2 Qty 1 0 CS	CS Qty CS Qty	CS4 Qty 0 F 0 S Maint Qty 8	eet quare Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr 330 Corr 330 Corr	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel ective Coatings)	Element Name dge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP	ORATED PAINT SYST	Total Qty 41 41	CS1 Qty 32 33 DSION &	CS2 Qty 1 0 CS 3	CS3 Qty 8 8 CS Qty 8	CS4 Qty 0 F 0 S Maint Qty 8 1	eet quare Feet Square Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr 330 Corr 515 Effec Prot Gener	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel	Element Name dge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP AREAS OF DETERIO	ORATED PAINT SYST Left Bridge Rail Defect Description SION IN RAIL POSTS NECTION TO BEAM H TO 100% ORATED PAINT SYST	Total Qty 41 41	CS1 Qty 32 33 DSION &	CS2 Qty 1 0 CS 3 2	CS3 Qty 8 8 8 CS Qty 8 1	CS4 Qty 0 F 0 S Maint Qty 8 1	eet quare Feet Square Feet Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr 330 Corr 330 Corr	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel ective Coatings)	Element Name dge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP AREAS OF DETERIO	ORATED PAINT SYST Left Bridge Rail Defect Description SION IN RAIL POSTS NECTION TO BEAM H TO 100%	Total Qty 41 41	CS1 Qty 32 33 DSION &	CS2 Qty 1 0 CS 3 2	CS3 Qty 8 8 8 CS Qty 8 1	CS4 Qty 0 F 0 S Maint Qty 8 1	eet quare Feet Square Feet Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr 330 Corr 515 Effec Prot Gener	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel ective Coatings) ral Comments	Element Name dge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP AREAS OF DETERIO	ORATED PAINT SYST Left Bridge Rail Defect Description SION IN RAIL POSTS NECTION TO BEAM H TO 100% ORATED PAINT SYST	Total Qty 41 41	CS1 Qty 32 33 DSION &	CS2 Qty 1 0 CS 3 2	CS3 Qty 8 8 8 CS Qty 8 1	CS4 Qty 0 F 0 S Maint Qty 8 1	eet quare Feet Square Feet Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr 340 Corr 340 Corr 350 Corr 350 Corr 360 Corr 360 Corr 370 Corr	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel ective Coatings) ral Comments	Element Name idge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP AREAS OF DETERI	ORATED PAINT SYST Left Bridge Rail Defect Description SION IN RAIL POSTS NECTION TO BEAM H TO 100% ORATED PAINT SYST	Total Qty 41 41 IAS CORRO	CS1 Qty 32 33 DSION & L POSTS	CS2 Qty 1 0 CS 3 2 3 3	CS Qty 8 8 1 8 1 8	CS4 Qty 0 F 0 S Maint Qty 8 1 8	eet quare Feet Square Feet Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr	ective Coatings) ral Comments hil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel ective Coatings) ral Comments	Element Name dge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP AREAS OF DETERIO	ORATED PAINT SYST Left Bridge Rail Defect Description SION IN RAIL POSTS NECTION TO BEAM H TO 100% ORATED PAINT SYST	Total Qty 41 41	CS1 Qty 32 33 DSION & L POSTS	CS2 Qty 1 0 CS 3 2 3	CS3 Qty 8 8 8 CS Qty 8 1 8	CS4 Qty 0 F 0 S Maint Qty 8 1 8	eet quare Feet Square Feet Feet Square Feet
Prot Gener Span 1 Steel Ra Element Number 330 515 Element Number 330 Corr 330 Corr 340 Corr 350 Corr 350 Corr 360 Corr 370 Corr 3	ective Coatings) ral Comments nil Metal Bri Steel Pro Defect Type rosion nection ctiveness (Steel ective Coatings) ral Comments rder	Element Name idge Railing otective Coating AREAS OF CORRO BRIDGE RAIL CONI SECTION LOSS UP AREAS OF DETERIN	ORATED PAINT SYST Left Bridge Rail Defect Description SION IN RAIL POSTS NECTION TO BEAM H TO 100% ORATED PAINT SYST	Total Qty 41 41 IAS CORRO TEM IN RAI	CS1 Qty 32 33 DSION & L POSTS	CS2 Qty 1 0 CS 3 2 3 3 CS2 Qty	CS Qty 8 8 1 8 1 8	CS4 Qty 0 F 0 S Maint Qty 8 1 8 2 1 8 2 1 8 2 1 8 2 1 8 2 5 7 5 7 5 7 5 7 8 7 7 8 7 8 7 8 7 8 7 8	eet quare Feet Square Feet Feet Square Feet

Structure	Number: <u>560149</u>			Insp	ection Date: 03/07/2022
107	Corrosion	(PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE 0.16" BOTTOM FLANGE	4	39	39 Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PROTECTION OF UNDERLYING METAL	3	268	268 Square Feet

General Comments

Span 1 Bay 1 Diaphragm at Pier: CORROSION THROUGHOUT DIAPHRAGM WITH 26" LONG X 3" WIDE HOLE IN BOTTOM FLANGE

Spa	n 1			Beam 2						
•	e Girder									
Nun 107	nent nber	•	Element Name en Girder/Beam		Total Qty 39	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0		Feet
515		Steel Pro	tective Coating		268	0	0	268	0 8	Square Feet
Elemen Numbe	Dofoct	Туре		Defect Descriptio	n		CS	CS Qty	Maint Qty	
107	Corrosion		(PAR) AT END BEN OF BOTTOM FLAN				4	1	1	Feet
107	Corrosion		(PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.25" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.28" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE				4	38	38	Feet
515	Effectivenes Protective C		LIMITED EFFECTIV UNDERLYING MET	·	ECTION OF		3	268	268	Square Feet
-	General Com	ments								

Span	1	

Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	39	0	0	0	39 Feet
515	Steel Protective Coating	268	0	0	268	0 Square Feet

Elemer Numbe		Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	(PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 10" HIGH DOWN TO 0.16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.23" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE	4	39	39 Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PROTECTION OF UNDERLYING METAL	3	268	268 Square Feet

Span 1		Beam 4						
Plate Gi	rder							
Element Number 107	Element Nam Steel Open Girder/Beam	e	Total Qty 39	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 39 Feet	
515	Steel Protective Coating		268	0	0	268	0 Square Feet	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	_

Structure	Number: <u>560149</u>			Insp	ection D	ate: <u>03/07/2022</u>
107	Corrosion	(PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 8" HIGH DOWN TO 0.216" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL BOTTOM FLANGE	4	39	39	Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PROTECTION OF UNDERLYING METAL	3	268	268	Square Feet
	General Comments					

Span 1		Beam 5						
Plate Girde	er							
Element Number 107	Steel Op	Element Name en Girder/Beam	Total Qty 39	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 39 F	eet
515	Steel Pro	tective Coating	268	0	0	268	0 8	quare Feet
Element Number De	fect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
107 Corrosi	on	ÈDGÉS OF BOTH FLANGES UP HIGH DOWN TO 5/16" RESIDUA WIDE DOWN TO 0.37" RESIDUA	(PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 2" HIGH DOWN TO 5/16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.37" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN 0.08" TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE			39	39	Feet
515 Effectiv	eness (Steel ive Coatings)	LIMITED EFFECTIVENESS, NO F	PROTECTION OF		3	268	68	Square Feet

Spa	an 1	Beam 6						
Pla	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	39	0	0	0	39 F	eet
515	Steel Pro	tective Coating	268	0	0	268	0 S	quare Feet
Elemei Numbe	Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion	(PAR) CORROSION ALONG BOTH FACE 2" LONG X 6" HIGH DOWN TO KNIFE'S WEB WITH 1/2" DIAMETER HOLE 5" FR AT END OF BEAM AT PIER (NO PHOTO	EDGE RESI OM TOP FL	DUAL	4	1	1	Feet
107	Corrosion	sion (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4' FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE, AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE		DOWN DWN TO N	4	38	38	Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PROTEC UNDERLYING METAL	TION OF		3	268	268	Square Feet
	General Comments							

Beam 7 Span 1 Plate Girder Element CS1 CS2 Total Number Element Name Qty Qty 107 Steel Open Girder/Beam 39 0 515 **Steel Protective Coating** 268 0 Element Defect Type **Defect Description** CS Number (PAR) CORROSION ALONG EDGES OF BOTH FLANGES UP 107 Corrosion

4 39 39 Feet TO FULL LENGTH X 4" WIDE DOWN TO 0.45" RESIDUAL TOP FLANGE, AND UP TO 4' FROM END BENT 1 DOWN TO 0.18" RESIDUAL BOTTOM FLANGE 515 Effectiveness (Steel LIMITED EFFECTIVENESS, NO PROTECTION OF 3 268 268 Square Feet Protective Coatings) UNDERLYING METAL General Comments

Spa	Span 1							
Plat	e Girder							
	ment nber Steel Op	Element Name en Girder/Beam	Total Qty 39	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 39 F	eet
515	Steel Pro	otective Coating	268	0	0	268	0 S	quare Feet
Elemen Numbe	Dofact Type	Defect De	scription		CS	CS Qty	Maint Qty	
107	Corrosion	(PAR) CORROSION ALONG EDGES OF BOTH FLANGES @ END BENT 1, 0.28" RESIDUAL TOP FLANGE, AND 0.42" RESIDUAL BOTTOM FLANGE		4	39	39	Feet	
515	515 Effectiveness (Steel LIMITED EFFECTIV Protective Coatings) UNDERLYING MET		/ENESS, NO PROTECTION OF AL		3	268	268	Square Feet
	General Comments							

Spa	n 1			Near Bearing						
Oth	er Bearing									
	nent nber (Other Be	Element Name arings		Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	ę	Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot T	уре		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion		CORROSION THRO	DUGHOUT BEAM 1 BEA	ARING		3	1		1 Each
515	Effectiveness Protective Co		DETERIORATED P BEARING	AINT SYSTEM THROU	GHOUT BE	EAM 1	4	1		1 Square Feet

General Comments

Span 1		Far Bearing						
Other B	earing							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	0	1	0 6	Each
515	Steel Protective Coating		1	0	0	0	1 \$	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

CS4

Qty

Maint

Qty

39 Feet

0 Square Feet

CS3

Qty

0

268

CS Qty

Qty

0

0

Structure	Number: <u>560149</u>			Inspe	ction Date: <u>03/07/2022</u>
316	Corrosion	CORROSION THROUGHOUT BEAM 1 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1 Square Feet
	General Comments				

Spa	an 1	Near Bearin	g					
Oth	er Bearing							
	ment mber Other Be	Element Name arings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEA	M 2 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	ETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 EARING			4	1		1 Square Feet
	General Comments							

Span 1 Far Bearing Other Bearing CS4 Element Total CS1 CS2 CS3 Element Name Qty Number Qty Qty Qty Qty 316 Other Bearings 0 0 Each 1 0 1 515 0 0 0 Steel Protective Coating 1 1 Square Feet Element Maint CS Qty Defect Type **Defect Description** CS Number Qty 316 Corrosion CORROSION THROUGHOUT BEAM 2 BEARING 3 1 1 Each DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 515 Effectiveness (Steel 4 1 1 Square Feet Protective Coatings) BEARING General Comments

Spa	an 1	Near Bearin	g				
Oth	er Bearing						
=	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other B	earings	1	0	0	1	0 Each
515	Steel P	rotective Coating	1	0	0	0	1 Square Feet
Elemer Numbe	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty
316	Corrosion	CORROSION THROUGHOUT BEA	M 3 BEARING		3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM	THROUGHOUT BE	AM 3	4	1	1 Square Feet
	General Comments						

Structure Number: 560149

Far Bearing

Span 1 Other Bearing

•	e: 200g							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	0	1	0	Each
515	Steel Pre	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BE	AM 3 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM BEARING	I THROUGHOUT BEA	М З	4	1		1 Square Feet
	General Comments							

General Comments

Spar	n 1	Near Bearing	I					
Othe	er Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoot Tuno	Defect Descrip	otion		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEAM	4 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM TI BEARING	HROUGHOUT BE	AM 4	4	1		1 Square Feet
(General Comments							

S	p	ar	ו	1

Far Bearing

Other Bearing

	nent nber Other Be	Element Name arings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each
515	Steel Pro	otective Coating	1	0	0	0	1 Square Feet
Elemen Number	Dofact Type	Defect Descri	ption		CS	CS Qty	Maint Qty
316	Corrosion	CORROSION THROUGHOUT BEAM	M 4 BEARING		3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM T BEARING	HROUGHOUT BEA	M 4	4	1	1 Square Feet

Spa	n 1	Near B	earing					
Oth	er Bearing							
Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 0	
316 515	Other Be Steel Pr	parings Directive Coating	1	0 0	0 0	0	1	Each Square Feet
Elemen Numbe	Dofoot Typo	Defect	Description		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOU	T BEAM 5 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYS BEARING	STEM THROUGHOUT BE	EAM 5	4	1		1 Square Feet

General Comments

Sno	n 1		Га	r Dooring						
Spa	IN I		га	r Bearing						
Oth	er Bearing									
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	O	ther Bearin	gs		1	0	0	1	0	Each
515	St	teel Protect	ive Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typ	ре	D	efect Description			CS	CS Qty	Maint Qty	
316	Corrosion	CC	RROSION THROUG	HOUT BEAM 5 BE	ARING		3	1		1 Each
515	Effectiveness (Protective Coa		TERIORATED PAIN ARING	T SYSTEM THROU	GHOUT B	EAM 5	4	1		1 Square Feet
-	General Comme	ents								

Spa	n 1	Near Bearin	g					
Othe	er Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	1	0	Square Feet
Elemen Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEA	M 6 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM	THROUGHOUT BE	AM 6	3	1		1 Square Feet
(General Comments							

Spa	an 1		Far Bear	ing						
Oth	er Bearing									
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	0	1	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot	Туре	Defect De	escription			CS	CS Qty	Maint Qty	
316	Corrosion		CORROSION THROUGHOUT	BEAM 6 BEA	RING		3	1		1 Each
515	Effectivenes Protective C		DETERIORATED PAINT SYST BEARING	EM THROUG	SHOUT BE	EAM 6	4	1		1 Square Feet
	General Com	ments								

Span 1		Near Bearing					
Other B	earing						
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings		1	0	0	1	0 Each
515	Steel Protective Coating		1	0	0	1	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty

Structure	Number: <u>560149</u>			Inspe	ction Date: <u>03/07/2022</u>
316	Corrosion	CORROSION THROUGHOUT BEAM 7 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING	3	1	1 Square Feet
	General Comments				

Spa	an 1	Far Bearing						
Oth	er Bearing							
	ment mber Other	Element Name Bearings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofact Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEA	M 7 BEARING		3	1		1 Each
515	Effectiveness (Ster Protective Coating		THROUGHOUT BE	AM 7	4	1		1 Square Feet
	General Comments							

Spa	Span 1		Near Bea	ring					
Oth	er Bearing	9							
	ment nber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings	1	0	0	1	0	Each
515		Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoo	t Type	Defect Des	scription		CS	CS Qty	Maint Qty	
316	Corrosion		CORROSION THROUGHOUT B	EAM 8 BEARING		3	1		1 Each
515	Effectivene Protective		DETERIORATED PAINT SYSTE BEARING	M THROUGHOUT BE	AM 8	4	1		1 Square Feet
General Comments									

Spar	n 1	Far Bearii	ng					
Othe	er Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	er Bearings	1	0	0	1	0	Each
515	Stee	el Protective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoot Typo	Defect Des	scription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT B	EAM 8 BEARING		3	1		1 Each
515	Effectiveness (St Protective Coatin		M THROUGHOUT BE	AM 8	4	1		1 Square Feet
(General Comments							

Wearing Surface

Span 2

Asphalt Wearing Surface

	nent nber Wearing S	Element Name Surface	Total Qty 717	CS1 Qty 154	CS2 Qty 0	CS3 Qty 563	CS4 Qty 0 S	quare Feet
Elemen Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 1/4" TRANSVERSE AND LONGIT VARIOUS LOCATIONS THROUGHOUT, ABUTMENT 2 FILL FACE			3	550	550	Square Feet
510	Delamination/Spall (Wearing Surfaces)	12'x 8"x 4" DEEP SPALL & RAVELING BENT 2	OF ASPHAL	T @ END	3	12	12	Square Feet
510		POTHOLE ALONG ABUTMENT 2 FILL F APPROXIMATELY 5' FROM RIGHT EDG	'	WAY	3	1	1	Square Feet
	General Comments							

Spa	n 2	Left Bridge	ə Rail					
Stee	el Rail							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Met	al Bridge Railing	42	29	3	10	0	Feet
515	Stee	el Protective Coating	42	34	0	8	0	Square Feet
Elemen Numbe	Dofoct Type	e Defect Dese	cription		CS	CS Qty	Maint Qty	
330	Connection	(PAR) RAIL POSTS 5 AND 6, TW CONNECTION TO BEAM 1	O (2) MISSING BOL	TS AT	3	2	:	2 Feet
330	Corrosion	AREAS OF CORROSION IN RAIL	_ POSTS		3	8	;	8 Square Feet
330	Connection	BRIDGE RAIL CONNECTION TO SECTION LOSS UP TO 100%	BEAM HAS CORRC	SION &	2	1		1 Feet
330	Distortion	16" X 1" DEEP DISTORTION IN T APPROXIMATELY 10' FROM PIE	'		2	2		Feet
515	Effectiveness (St Protective Coatir		INT SYSTEM IN RAIL	_ POSTS	3	8	:	8 Square Feet

Spa	Span 2 Right Bridge Rail								
Stee	el Rail								
		Element Name dge Railing tective Coating		Total Qty 42 42	CS1 Qty 32 34	CS2 Qty 1 0	CS3 Qty 9 8		Feet Square Feet
Elemen Numbe	Dofact Type		Defect Description			CS	CS Qty	Maint Qty	
330	Connection		LT AT CONNECTION C MATELY 15' FROM AB			3	1	1	Feet
330	Corrosion	AREAS OF CORRO	SION IN RAIL POSTS			3	8	8	Square Feet
330	Connection	BRIDGE RAIL CON SECTION LOSS UP	NECTION TO BEAM HA	AS CORRC	SION &	2	1	1	Feet
515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERI	IORATED PAINT SYST	EM IN RAIL	POSTS	3	8	8	Square Feet
	General Comments								

Span 2

Plate Girder

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Stee	I Open Girder/Beam	39	0	0	0	39 F	eet
515	Stee	I Protective Coating	268	0	0	268	0 S	quare Feet
Elemer Numbe	Dofact Type	Defect Descr	ription		CS	CS Qty	Maint Qty	
107	Corrosion	(PAR) Bay 1 Diaphragm, 5ft from THROUGHOUT DIAPHRAGM WIT WIDE HOLES IN TOP FLANGE			4	1	1	Feet
107	Corrosion	(PAR) CORROSION ALOG BOTH EDGES OF BOTH FLANGES UP T HIGH DOWN TO 1/4" RESIDUAL V DOWN TO 0.23 RESIDUAL IN TOF 0.18" RESIDUAL IN BOTTOM FLA 2 HAS 100% SECTION LOSS FOR FLANGE	O FULL LENGTH > WEB, NEAR MIDSP P FLANGE AND DO NGE, 5' FROM ENI	(4" AN WN TO D BENT	4	38	38	Feet
515	Effectiveness (Ste Protective Coatin		ROTECTION OF		3	268	268	Square Feet
	General Comments	3						

Span 2 Beam 2 **Plate Girder** CS4 Element Total CS1 CS2 CS3 Number Element Name Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 39 0 0 0 39 Feet 515 Steel Protective Coating 268 0 0 268 0 Square Feet Element Maint **Defect Description** CS Qty Defect Type CS Number Qty (PAR) CORROSION ALONG BOTH FACES OF WEB AND 107 Corrosion 4 39 39 Feet EDGES OF BOTH FLANGES NEAR END BENT 2 DOWN TO 0.24" RESIDUAL WEB, NEAR END BENT 2 DOWN TO 0.23" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.08" RESIDUAL BOTTOM FLANGE LIMITED EFFECTIVENESS, NO PROTECTION OF 515 Effectiveness (Steel 3 268 268 Square Feet UNDERLYING METAL Protective Coatings) **General Comments**

Spa	n 2	Bear	n 3					
Opa	11 Z	Deal	11 0					
Plat	e Girder							
	nent nber Steel Ope	Element Name en Girder/Beam	Tota Qt 3	y C	S1 CS Aty Q1	ty Qty	CS4 Qty 39 F	eet
515	Steel Pro	tective Coating	26	8	0 C) 268	0 S	quare Feet
Elemen Numbe	Dofact Type	Defe	ect Description		CS	CS Qty	Maint Qty	
107	Corrosion	(PAR) CORROSION ALO EDGES OF BOTH FLANG 0.25" RESIDUAL WEB, N TOP FLANGE, AND NEA RESIDUAL BOTTOM FLA	GES NEAR MIDSPAN D EAR END BENT 2 0.20 R END BENT 2 DOWN	OWN TO " RESIDU	4 AL	39	39	Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENES UNDERLYING METAL	S, NO PROTECTION C	F	3	268	268	Square Feet
-	General Comments							

Span	2

Plate Girder

110							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Op	en Girder/Beam	39	0	0	0	39 Feet
515	Steel Pro	tective Coating	268	0	0	268	0 Square Feet
Elemer	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty
107	Corrosion	(PAR) CORROSION ALONG BOTH F EDGES OF BOTH FLANGES UP TO HIGH DOWN TO 0.24" RESIDUAL W WIDE DOWN TO 0.20" RESIDUAL TO LENGTH X 4" WIDE DOWN TO 0.18" FLANGE	FULL LENGTH X EB, FULL LENG OP FLANGE, AN	(16" TH X 4" D FULL	4	39	39 Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PRO UNDERLYING METAL	TECTION OF		3	268	268 Square Feet
	General Comments						

Span 2

Beam 5

Beam 4

Plate Girder

Element Number 107	Steel Op	Element Name en Girder/Beam	Total Qty 39	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 39 F	eet
515	Steel Pro	tective Coating	268	0	0	268	0 S	quare Feet
Element Number De	fect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
107 Corrosi	on	(PAR) 8' FROM PIER, 8" x 3" HO EDGE OF BOTTOM FLANGE WI 1" DIAMETER IN WEB (NO PHO	TH FIVE (5) HOLES U		4	1	1	Feet
107 Corrosi	on	(PAR) CORROSION ALONG BO EDGES OF BOTH FLANGES 8' F END PATCH HAS 100% SECTIO LENGTH X 4" WIDE DOWN TO C RESIDUAL TOP FLANGE, AND I AREAS DOWN TO KNIFE'S EDG IN BOTTOM FLANGE	FROM BENT 1 AND @ IN LOSS IN WEB, FUI).20" & KNIFE'S EDG FULL LENGTH X 4" V	2) BEAM LL E VIDE	4	38	38	Feet
	eness (Steel ve Coatings)	LIMITED EFFECTIVENESS, NO I UNDERLYING METAL	PROTECTION OF		3	268	268	Square Feet

Span 2

Beam 6

Plate Girder

107 Steel Open G		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
		n Girder/Beam	39	9 0	0	0	39 F	eet
		otective Coating	268	190 0		78	0 S	quare Feet
nt er	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion		ÈDGÉS OF BOTH FLANGES UP HIGH AREAS OF KNIFE'S EDGE WEB, FULL LENGTH X 4" WIDE TOP FLANGE, AND FULL LENG	TO FULL LENGTH & 100% SECTION I DOWN TO 0.25" RE TH X 4" WIDE DOW	X 4" LOSS IN SIDUAL	4	39	39	Feet
Effe	ectiveness (Steel	LIMITED EFFECTIVENESS, NO I	PROTECTION OF		3	78	78	Square Feet
	nber nt r Cor	nber Steel Op Steel Pro t r Defect Type	nber Element Name Steel Open Girder/Beam Steel Protective Coating tr Defect Type Defect Des Corrosion (PAR) CORROSION ALONG BO EDGES OF BOTH FLANGES UP HIGH AREAS OF KNIFE'S EDGE WEB, FULL LENGTH X 4" WIDE TOP FLANGE, AND FULL LENG 0.17" RESIDUAL BOTTOM FLAM	nber Element Name Qty Steel Open Girder/Beam 39 Steel Protective Coating 268 tt r Defect Type Defect Description Corrosion (PAR) CORROSION ALONG BOTH FACES OF WEB EDGES OF BOTH FLANGES UP TO FULL LENGTH HIGH AREAS OF KNIFE'S EDGE & 100% SECTION I WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RE TOP FLANGE, AND FULL LENGTH X 4" WIDE DOW 0.17" RESIDUAL BOTTOM FLANGE	Index Element Name Qty Qty Steel Open Girder/Beam 39 0 Steel Protective Coating 268 190 It Defect Type Defect Description Corrosion (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM FLANGE	Index Element Name Qty Qty Qty Qty Steel Open Girder/Beam 39 0 0 Steel Protective Coating 268 190 0 It Defect Type Defect Description CS Corrosion (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM FLANGE 4	Index Element Name Qty Qty	Index Element Name Qty Qty

Span 2	
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Beam 7

Plate Girder

Plat	e Girder							
	nent nber Stee	TotalElement NameQtySteel Open Girder/Beam39		CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 39 F	
515	Stee	el Protective Coating	268	0	0	268	0 S	quare Feet
Elemen Numbe	Dofoot Tupo	Defect De	scription		CS	CS Qty	Maint Qty	
107	Corrosion	rosion (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.41" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.303" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE		4	38	38	Feet	
107	Corrosion	THRÓUGHOUT DIAPHRAGM W WIDE HOLES IN TOP FLANGE	PAR) Span 2 Bay 7 Diaphragm 10ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 3" LONG X 1" WIDE HOLES IN TOP FLANGE, TWO (2) 3" LONG X 1" WIDE HOLES IN BOTTOM FLANGE, AND 3" HIGH X 1 1/2" WIDE HOLE IN WEB			1	1	Feet
515	Effectiveness (St Protective Coatir		PROTECTION OF		3	268	268	Square Feet
-	General Comment	s						

Spa	in 2	Beam 8					
Plat	e Girder						
		Element Name ben Girder/Beam otective Coating	Total Qty 39 268	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0 268	CS4 Qty 39 Feet 0 Square Feet
Elemen Numbe	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
107	Corrosion	(PAR) CORROSION ALONG BOTH EDGES OF BOTH FLANGES UP TO HIGH DOWN TO 3/8" RESIDUAL W WIDE DOWN TO 0.19" & KNIFE'S E FLANGE, AND FULL LENGTH X 4" RESIDUAL BOTTOM FLANGE	D FULL LENGTH > /EB, FULL LENGT EDGE RESIDUAL ⁻	(4" H X 4" TOP	4	39	39 Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PR UNDERLYING METAL	OTECTION OF		3	268	268 Square Feet
-	General Comments						

Spa	an 2		Near Be	earing					
Oth	er Bearing								
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	C	Other Be	arings	1	0	0	1	0	Each
515	S	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemei Numbe	Dofoot Ti	/pe	Defect [Description		CS	CS Qty	Maint Qty	
316	Corrosion		CORROSION THROUGHOUT	CORROSION THROUGHOUT BEAM 1 BEARING		3	1		1 Each
515			DETERIORATED PAINT SYS BEARING	PAINT SYSTEM THROUGHOUT BEAM 1		4	1		1 Square Feet
	General Comm	ents							

Structure Number: 560149

Far Bearing

Span 2 Other Bearing

Oun	or Boaring							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316 Other Bea		arings	1	0	0	1	0	Each Square Feet
515	Steel Pro	Steel Protective Coating		0	0	0	1	
Elemen Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEAI			3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTE BEARING	M THROUGHOUT BE	AM 1	4	1		1 Square Feet
-	General Comments							

General Comments

Spa	ın 2	Near Beari	ng					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	er Bearings	1	0	0	1	0	Each
515	Stee	I Protective Coating	1	0	0	0	1	Square Feet
	Element Defect Type		ription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BE	OUGHOUT BEAM 2 BEARING		3	1		1 Each
515	Effectiveness (St Protective Coatin		PAINT SYSTEM THROUGHOUT BEAM 2		4	1		1 Square Feet
	General Comments	S						

Span	2
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Far Bearing

Other Bearing

Elerr Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoot Turoo	Defect Desci	iption		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEA	OUGHOUT BEAM 2 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM BEARING	THROUGHOUT BEA	M 2	4	1		1 Square Feet

Spa	n 2	Near Be	aring					
Othe	er Bearing							
Elen Nun 316	nent nber Other B	Element Name earings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	Dofoot Tuno	Defect D	escription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT	BEAM 3 BEARING		3	1		1 Each
515	515 Effectiveness (Steel DETERIORATED F Protective Coatings) BEARING		PAINT SYSTEM THROUGHOUT BEAM 3			1		1 Square Feet

General Comments

Spa	an 2		Far Beari	na					
•			i ai beaii	iig					
Oth	er Bearing								
	ment			Total	CS1	CS2	CS3	CS4	
Nur	nber		Element Name	Qty	Qty	Qty	Qty	Qty	
316		Other Be	arings	1	0	0	1	0	Each
515		Steel Protective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct 7	Гуре	Defect De	scription		CS	CS Qty	Maint Qty	
316	Corrosion		CORROSION THROUGHOUT E	BEAM 3 BEARING		3	1		1 Each
515	Effectiveness Protective Co		DETERIORATED PAINT SYSTE BEARING	EM THROUGHOUT BE	AM 3	4	1		1 Square Feet
	General Comm	nents							

Spa	in 2			Near Bearing						
Oth	er Bearing									
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	0	1	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot	Туре		Defect Description			CS	CS Qty	Maint Qty	
316	316 Corrosion CORROSION THR		CORROSION THR	ROUGHOUT BEAM 4 BEARING			3	1		1 Each
515	515 Effectiveness (Steel DETERIORATED Protective Coatings) BEARING		AINT SYSTEM THROU	GHOUT B	BEAM 4	4	1		1 Square Feet	
-	General Com	ments								

Spa	an 2	Far Bearing						
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Tuno	Defect Descri	ption		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEAM	M 4 BEARING		3	1	1	I Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM T BEARING	HROUGHOUT BE	AM 4	4	1	í	Square Feet
	General Comments							

Span 2		Near Bearing						
Other B	earing							
Element Number	Element Nam	e	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	0	1	0	Each
515	Steel Protective Coating		1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>560149</u>			Inspe	ction Date: <u>03/07/2022</u>
316	Corrosion	CORROSION THROUGHOUT BEAM 5 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	4	1	1 Square Feet
	General Comments				

Spa	an 2	Far Bearing						
Oth	er Bearing							
	ment mber Other Be	Element Name arings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BEAI	M 5 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM T BEARING	HROUGHOUT BE	AM 5	4	1		1 Square Feet
	General Comments							

Span	Span 2		ing					
Othe	er Bearing							
Elem Numl		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BI	EAM 6 BEARING		3	1	-	1 Each
	515 Effectiveness (Steel DETERIORATED Protective Coatings) BEARING		M THROUGHOUT BE	AM 6	4	1		1 Square Feet
G	General Comments							

Spa	in 2		Farl	Bearing						
Oth	er Bearing									
	ment nber		Element Name		otal Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	0	1	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot	Туре	Def	ect Description			CS	CS Qty	Maint Qty	
316	Corrosion		CORROSION THROUGH	OUT BEAM 6 BEARIN	١G		3	1	1	Each
515	Effectivenes Protective C		DETERIORATED PAINT BEARING	SYSTEM THROUGHO	OUT E	BEAM 6	4	1	1	Square Feet
	General Com	ments								

Structure Number: 560149

Near Bearing

Span 2 Other Bearing

oun	or Boaring							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	0	1	0	Each
515	Steel Pr	ptective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BE	AM 7 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM BEARING	M THROUGHOUT BEA	AM 7	4	1		1 Square Feet
	General Comments							

General Comments

Spa	in 2		Fa	r Bearing						
Oth	er Bearing									
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	316 Other Bearings		arings		1	0	0	1	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct	Туре	D	efect Description			CS	CS Qty	Maint Qty	
316	316 Corrosion CORROSION THR		CORROSION THROUG	IROUGHOUT BEAM 7 BEARING			3	1		1 Each
515	515 Effectiveness (Steel DETERIORATED F Protective Coatings) BEARING		DETERIORATED PAIN BEARING	IT SYSTEM THROUG	SHOUT B	EAM 7	4	1		1 Square Feet
	General Com	ments								

Spa	an 2	Near Bear	ing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT BE	AM 8 BEARING		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM BEARING	M THROUGHOUT BE	AM 8	4	1		1 Square Feet
	General Comments							

Spa	n 2	Far Beari	ng					
Oth	er Bearing							
Eler Nun 316	nent nber Other Be	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty	Each
515		otective Coating	1	0	0	0	-	Square Feet
Elemen Numbe	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION THROUGHOUT B	EAM 8 BEARING		3	1		1 Each
515	515 Effectiveness (Steel DETERIORATED P Protective Coatings) BEARING		EM THROUGHOUT BE	AM 8	4	1		1 Square Feet

Inspection Date: 03/07/2022

General Comments

Bent 1

Abutment

Reinforced Concrete Abutment

E la			Tatal	004	CS2	000	004	
	ment mber	Element Name	Total Qty	CS1 Qty	Qty	CS3 Qty	CS4 Qty	
215		ed Concrete Abutment	48	28	0	20	0 Feet	
Elemer Numbe	Defect Type	Defect Description	ı		CS	CS Qty	Maint Qty	
215	Abrasion/Wear (PSC/RC)	48' OF UP TO 12" HIGH X 5" DEEP SCA EXPOSED AGGREGATE THROUGHOU BREASTWALL AT WATER SURFACE V VERTICAL AND HORIZONTAL CRACK	T FACE OF	/16IN	3	4	4 Feet	
215	Delamination/Spall	(PAR) 38" X 7" X UP TO 4" DEEP SPAL BENEATH BEAMS 1 AND 2, WITH 3" X BEARING BELOW BEAM 1		F CAP	3	3	3 Feet	
215	Delamination/Spall	10" X 5" X 1" DEEP SPALL IN FACE OF BENEATH BAY 1 NEAR BOTTOM OF C		LL	3	1	1 Feet	
215	Delamination/Spall	14" X 2" X 1" DEEP SPALL IN FACE OF 5	CAP BENE	TH BAY	3	2	2 Feet	
215	Delamination/Spall	32" X 16" X UP TO 1" DEEP SPALL IN BENEATH BAY 7; NO LOSS OF BEARI		D	3	3	3 Feet	
215	Delamination/Spall	36" X 4" X 4" SPALL IN TOP AND FACI WINGWALL	E OF NORTH	WEST	3	3	3 Feet	
215	Delamination/Spall	6" DIAMETER X 2" DEEP SPALL IN FA BAY 4	CE OF BACK	WALL IN	3	1	1 Feet	
215	Delamination/Spall	9" X 5" X 2" DEEP SPALL IN FACE OF	BACKWALL	IN BAY 6	3	1	1 Feet	
215	Delamination/Spall	BELOW LEFT OVERHANG NEAR BOT BREASTWALL, SPALL 16" X 8" X 1" D			3	2	2 Feet	

General Comments

Bent 1		Сар						
Reinfo	rced Concrete	Pier Cap						
Elemer Numbe 234	er	Element Name ced Concrete Pier Cap	Total Qty 26	CS1 Qty 21	CS2 Qty 5	CS3 Qty 0	CS4 Qty 0 Feet	
Element Number	Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty	
	racking (RC and ther)	VERTICAL AND HORIZONTAL HAI FACES OF CAP IN VARIOUS LOCA		I BOTH	2	5	Feet	
Ger	neral Comments							
Bent 1		Pier						

Reinforced Concrete Pier Wall

	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinford	ed Concrete Pier Wall	25	0	3	22	0 F	eet
Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
Delamination/Spall		-	-	3	2	2	Feet
Delamination/Spall	30" WIDE X 33" HIGH X 7" DEEP SPALL FACE OF PIER AT WATER SURFACE	. IN UPSTRE	AM	3	3	3	Feet
Delamination/Spall				3	2	2	Feet
Delamination/Spall				3	15	15	Feet
1	nt Defect Type Delamination/Spall Delamination/Spall Delamination/Spall	Internation Element Name Defect Type Defect Description Delamination/Spall 20" LONG X 12" HIGH X 3" DEEP SPALL OF PIER AT WATER SURFACE AT DOW Delamination/Spall 30" WIDE X 33" HIGH X 7" DEEP SPALL FACE OF PIER AT WATER SURFACE Delamination/Spall 30" WIDE X 33" HIGH X 7" DEEP SPALL FACE OF PIER AT WATER SURFACE Delamination/Spall 48" LONG X 16" HIGH X 7" DEEP SPALL OF PIER AT WATER SURFACE AT UPS' Delamination/Spall SPAN 2 FACE AT WATER SURFACE EX	mber Element Name Qty Reinforced Concrete Pier Wall 25 It Defect Type Defect Description Delamination/Spall 20" LONG X 12" HIGH X 3" DEEP SPALL IN SPAN 1 OF PIER AT WATER SURFACE AT DOWNSTREAM Delamination/Spall 30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTRE FACE OF PIER AT WATER SURFACE Delamination/Spall 48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 OF PIER AT WATER SURFACE Delamination/Spall 48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 OF PIER AT WATER SURFACE AT UPSTREAM END Delamination/Spall SPAN 2 FACE AT WATER SURFACE EXTENDING F	Index Element Name Qty Qty Reinforced Concrete Pier Wall 25 0 Int Defect Description Delamination/Spall 20" LONG X 12" HIGH X 3" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT DOWNSTREAM END Delamination/Spall 30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE Delamination/Spall 30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE Delamination/Spall 48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT UPSTREAM END	mberElement NameQtyQtyQtyQtyReinforced Concrete Pier Wall2503IntDefect TypeDefect DescriptionCSDelamination/Spall20" LONG X 12" HIGH X 3" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT DOWNSTREAM END3Delamination/Spall30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE3Delamination/Spall30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE3Delamination/Spall48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT UPSTREAM END3Delamination/Spall5PAN 2 FACE AT WATER SURFACE EXTENDING FROM3	mberElement NameQtyQtyQtyQtyQtyReinforced Concrete Pier Wall250322It prDefect TypeDefect DescriptionCSCS QtyDelamination/Spall20" LONG X 12" HIGH X 3" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT DOWNSTREAM END32Delamination/Spall30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE33Delamination/Spall30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE33Delamination/Spall48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT UPSTREAM END32Delamination/SpallSPAN 2 FACE AT WATER SURFACE EXTENDING FROM315	mberElement NameQty<

Structure	Number: <u>560149</u>			Inspect	tion Date: <u>03/07/2022</u>
210	Cracking (RC and Other)	5' OF VERTICAL AND HORIZONTAL HAIRLINE CRACKS IN BOTH FACES OF PIER IN VARIOUS LOCATIONS	2	3	Feet
210	Scour	25' OF UP TO 36" DEEP SCOUR ALONG BOTH FACES AND UPSTREAM END OF PIER, NO UNDERMINING NOTED	2		Feet

General Comments

Bent 2

Abutment

Reinforced Concrete Abutment

	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinford	ced Concrete Abutment	50	0	3	47	0 F	eet
Elemen Numbe	Defect Tune	Defect Descrip	otion		CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	15' OF UP TO 1/8" MAP CRACKING EFFLORESCENCE IN FACE OF BR LOCATIONS		ARIOUS	3	8	8	Feet
215	Cracking (RC and Other)	UP TO 24" LONG X 1/4" WIDE VER OF BACKWALL IN BAYS 5 AND 7	TICAL CRACKS I	N FACE	3		2	Feet
215	Delamination/Spall	(PAR) BELOW BEAM 1, 16"x 22"x U WITH 6" X 5" LOSS OF BEARING IN		SPALL	3	2	2	Feet
215	Delamination/Spall	(PAR) FROM BEAM 2 TO BAY 3, 60 WITH 1" LOSS OF BEAM 3 BEARIN BEAM 4, 14' LONG x 21" HIGH FAIL 2" DEEP UNDERMING AT BEAM 5	IG. FROM RIGHT	END TO	3	19	19	Feet
215	Delamination/Spall	(PAR) NORTHEAST WINGWALL EX OF DELAMINATION FOUR (4) SPAL DEEP WITH UP TO 1/8" MAP CRAC EFFLORESCENCE IN FACE	LS UP TO 3'x 3';		3	11	11	Feet
215	Delamination/Spall	36" LONG X 60" HIGH X UP TO 8" E BREASTWALL AT RIGHT END	DEEP SPALL IN F	ACE OF	3	2	2	Feet
215	Delamination/Spall	BAY 2 BACKWALL, SPALL 2FT X 1	0IN X 5IN DEEP		3	2	2	Feet
215	Delamination/Spall	TOP MIDDLE OF LEFT BREAST WA SPALL	ALL, 3'x 2'x 4" DE	EP	3	3	3	Feet
215	Patched Area	36" LONG X 22" HIGH REPAIR IN F BEAM 1 AND BAY 1	ACE OF CAP BE	NEATH	2	3		Feet
215	Patched Area	MOVED TO DIFFERENT PAR			1			Feet

General Comments

NEW CRUTCH BENT INSTALLED @ EB 2

Elements Verfied

Location	Name	Component	Element Name	Amoun
Span 1	Deck	Timber Deck	Timber Deck	753
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	39
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	705
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Timber Deck	Timber Deck	765
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	39
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	39
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	42
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	42
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	717
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Bent 1	Сар	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	26
Bent 1	Pier	Reinforced Concrete Pier Wall	Reinforced Concrete Pier Wall	25
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	48
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 560149

Inspection Date: 03/07/2022

National Bridge Inventory Items

ltem	Grade Scale	Grade	
Item 58: Deck	0-9, N	7	N
Item 59: Superstructure	0 - 9 , N	4	lte in
Item 60: Substructure	0 - 9 , N	4	
Item 61: Channel and Channel Protection	0 - 9 , N	6	F Se
Item 62: Culvert	0 - 9 , N	Ν	
Item 71: Waterway Adequacy	0-9, N	7	
Item 72: Approach Roadway Alignment	0 - 9 , N	3	

Note: tems 58,59,60,62 reflect this nspection only.

For overall NBI coding grade, see cover sheet.

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C			
Field Scour Evaluation		0		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code		А		

Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

uperstructure - Item 59 DVANCED CORROSION IN BEAMS WITH SECTION LC	Grade	4					
DVANCED CORROSION IN BEAMS WITH SECTION LC		4	Maint Code	Qty.	0		
	FION LOSS						
ubstructure - Item 60	Grade	4	Maint Code	Qty.	0		
RACKS AND SPALLS SCATTERED THROUGHOUT WI							
hannel and Channel Protection - Item 61	Grade	6	Maint Code	Qty.	0		
ORTHWEST CORNER, SHOULDER EROSION REPAIR							
oproach Roadway Alignment - Item 72	Grade	3	Maint Code	Qty.	0		
ORIZONTAL CURVE AT WEST APPROACH							
cour	Grade	G	Maint Code	Qty.	0		
COUR POA: MONITOR THE BRIDGE FOUNDATION DU	JRING E		SPECTION CYCLE F	FOR CASE	E 1 OR 2.		
2) IF FOOTINGS HAVE GREATER THAN 10% OF THE BEARING UNDERMINED, CONTACT THE H							
ortion of structure in > 3' of water (Y or N)	Grade	Y	Maint Code	Qty.	0		
	ACKS AND SPALLS SCATTERED THROUGHOUT With annel and Channel Protection - Item 61 DRTHWEST CORNER, SHOULDER EROSION REPAIR proach Roadway Alignment - Item 72 DRIZONTAL CURVE AT WEST APPROACH OUR COUR POA: MONITOR THE BRIDGE FOUNDATION DU IF MUD LINE AT ANY END BENT OR INTERIOR BENT SELINE CONTACT THE HYDRAULICS UNIT. ESTAB DUNDINGS. IF FOOTINGS HAVE GREATER THAN 10% OF THE E	ACKS AND SPALLS SCATTERED THROUGHOUT WITH UND annel and Channel Protection - Item 61 Grade ORTHWEST CORNER, SHOULDER EROSION REPAIRED WIT proach Roadway Alignment - Item 72 Grade ORIZONTAL CURVE AT WEST APPROACH our Grade COUR POA: MONITOR THE BRIDGE FOUNDATION DURING E IF MUD LINE AT ANY END BENT OR INTERIOR BENT SCOUL SELINE CONTACT THE HYDRAULICS UNIT. ESTABLISH A E DUNDINGS. IF FOOTINGS HAVE GREATER THAN 10% OF THE BEARING	AACKS AND SPALLS SCATTERED THROUGHOUT WITH UNDERMINING annel and Channel Protection - Item 61 Grade 6 ORTHWEST CORNER, SHOULDER EROSION REPAIRED WITH ROCK proach Roadway Alignment - Item 72 Grade 3 ORIZONTAL CURVE AT WEST APPROACH our Grade G COUR POA: MONITOR THE BRIDGE FOUNDATION DURING BIENIAL IN: IF MUD LINE AT ANY END BENT OR INTERIOR BENT SCOURS MORE SELINE CONTACT THE HYDRAULICS UNIT. ESTABLISH A BASELINE DUNDINGS. IF FOOTINGS HAVE GREATER THAN 10% OF THE BEARING UNDERN	ACKS AND SPALLS SCATTERED THROUGHOUT WITH UNDERMINING OF BEARINGS annel and Channel Protection - Item 61 Grade 6 Maint Code ORTHWEST CORNER, SHOULDER EROSION REPAIRED WITH ROCK proach Roadway Alignment - Item 72 Grade 3 Maint Code ORIZONTAL CURVE AT WEST APPROACH our Grade G Maint Code COUR POA: MONITOR THE BRIDGE FOUNDATION DURING BIENIAL INSPECTION CYCLE F IF MUD LINE AT ANY END BENT OR INTERIOR BENT SCOURS MORE THAN 4 FEET FROM SELINE CONTACT THE HYDRAULICS UNIT. ESTABLISH A BASELINE USING THE 2008 - 2 UNDINGS. IF FOOTINGS HAVE GREATER THAN 10% OF THE BEARING UNDERMINED, CONTACT THE	ACKS AND SPALLS SCATTERED THROUGHOUT WITH UNDERMINING OF BEARINGS annel and Channel Protection - Item 61 Grade 6 Maint Code Qty. ORTHWEST CORNER, SHOULDER EROSION REPAIRED WITH ROCK proach Roadway Alignment - Item 72 Grade 3 Maint Code Qty. ORIZONTAL CURVE AT WEST APPROACH our Grade G Maint Code Qty. COUR POA: MONITOR THE BRIDGE FOUNDATION DURING BIENIAL INSPECTION CYCLE FOR CASE IF MUD LINE AT ANY END BENT OR INTERIOR BENT SCOURS MORE THAN 4 FEET FROM THE ES' SELINE CONTACT THE HYDRAULICS UNIT. ESTABLISH A BASELINE USING THE 2008 - 2009 INSP OUNDINGS. IF FOOTINGS HAVE GREATER THAN 10% OF THE BEARING UNDERMINED, CONTACT THE HYDRAU	AACKS AND SPALLS SCATTERED THROUGHOUT WITH UNDERMINING OF BEARINGS annel and Channel Protection - Item 61 Grade 6 Maint Code Qty. 0 ORTHWEST CORNER, SHOULDER EROSION REPAIRED WITH ROCK proach Roadway Alignment - Item 72 Grade 3 Maint Code Qty. 0 ORIZONTAL CURVE AT WEST APPROACH our Grade G Maint Code Qty. 0 COUR POA: MONITOR THE BRIDGE FOUNDATION DURING BIENIAL INSPECTION CYCLE FOR CASE 1 OR 2. IF MUD LINE AT ANY END BENT OR INTERIOR BENT SCOURS MORE THAN 4 FEET FROM THE ESTABLISHE SELINE CONTACT THE HYDRAULICS UNIT. ESTABLISH A BASELINE USING THE 2008 - 2009 INSPECTION UNDINGS. IF FOOTINGS HAVE GREATER THAN 10% OF THE BEARING UNDERMINED, CONTACT THE HYDRAULICS U	

Details +/- 4 @ TIME OF INSPECTION

County: MADISON

Date: 03/07/2022

Condition Photos



TYPICAL CORROSION WITH SECTION LOSS BEGGINNING ON ALL BEARINGS @ END BENT 1, END BENT 2, & BENT 1



TYPICAL CORROSION WITH SECTION LOSS BEGGINNING ON ALL BEARINGS @ END BENT 1, END BENT 2, & BENT 1

County: MADISON

Date: 03/07/2022

Condition Photos



Span 1 Beam 1: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE 0.16" BOTTOM FLANGE County: MADISON

Date: 03/07/2022

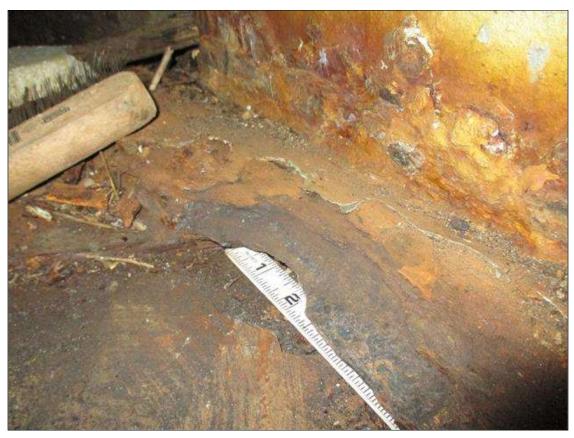
Condition Photos



Span 1 Beam 1: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE 0.16" BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 2: (PAR) AT END BENT 1, CORROSION ALONG RIGHT EDGE OF BOTTOM FLANGE WITH 2" LONG X 1/2" WIDE HOLE

Date: 03/07/2022

Condition Photos



Span 1 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.25" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.28" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

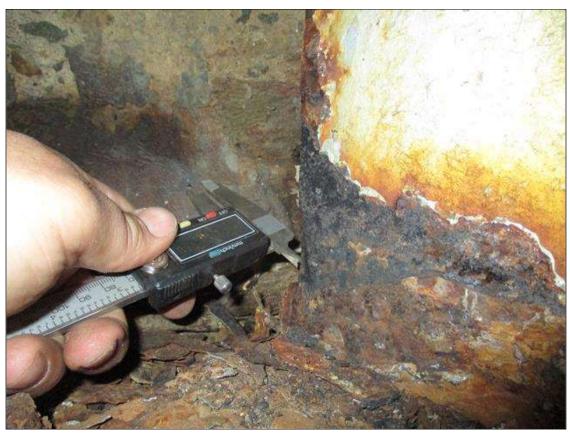
Condition Photos



Span 1 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.25" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.28" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

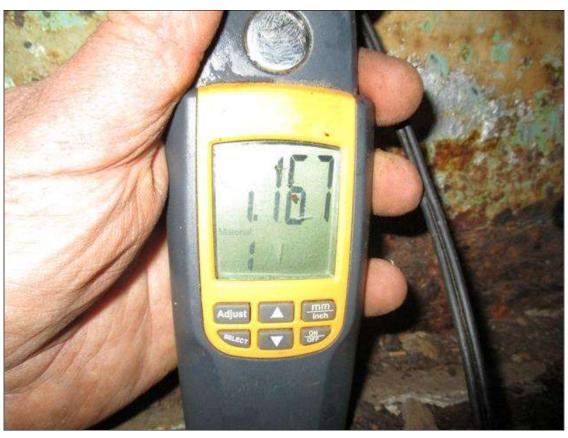
Condition Photos



Span 1 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.25" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.28" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 10" HIGH DOWN TO 0.16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.23" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 10" HIGH DOWN TO 0.16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.23" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

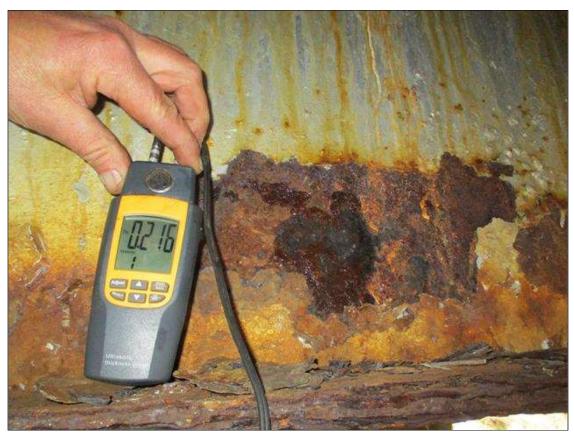
Condition Photos



Span 1 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 10" HIGH DOWN TO 0.16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.23" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

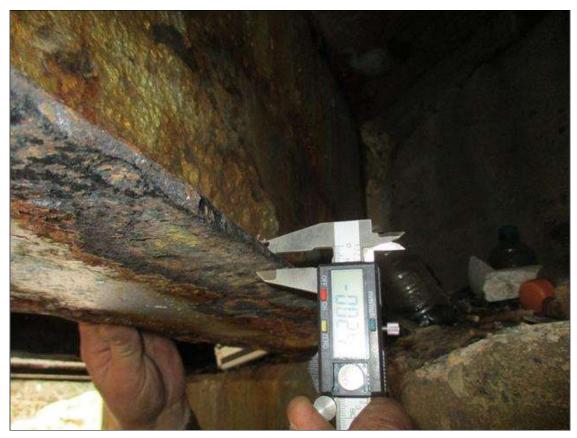
Condition Photos



Span 1 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 8" HIGH DOWN TO 0.216" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 8" HIGH DOWN TO 0.216" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 2" HIGH DOWN TO 5/16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.37" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN 0.08" TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE Structure: 560149

County: MADISON

Date: 03/07/2022

Condition Photos



Span 1 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 2" HIGH DOWN TO 5/16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.37" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN 0.08" TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

 Structure:
 560149
 County:
 MADISON
 Date:
 03/07/2022
 Condition Photos

Span 1 Beam 6: (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4' FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE, AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 6: (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4' FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE, AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 6: (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4' FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE, AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 7: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" WIDE DOWN TO 0.45" RESIDUAL TOP FLANGE, AND UP TO 4' FROM END BENT 1 DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 7: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" WIDE DOWN TO 0.45" RESIDUAL TOP FLANGE, AND UP TO 4' FROM END BENT 1 DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 1 Beam 8: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES @ END BENT 1, 0.28" RESIDUAL TOP FLANGE, AND 0.42" RESIDUAL BOTTOM FLANGE



Span 1 Beam 8: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES @ END BENT 1, 0.28" RESIDUAL TOP FLANGE, AND 0.42" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Left Bridge Rail: (PAR) RAIL POSTS 5 AND 6, TWO (2) MISSING BOLTS AT CONNECTION TO BEAM 1



Span 2 Right Bridge Rail: (PAR) MISSING BOLT AT CONNECTION OF RAIL POST TO BEAM 8, APPROXIMATELY 15' FROM ABUTMENT 2

Date: 03/07/2022

Condition Photos



Span 2 Beam 1: (PAR) Bay 1 Diaphragm, 5ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 4" LONG X 2" WIDE HOLES IN TOP FLANGE

Date: 03/07/2022

Condition Photos



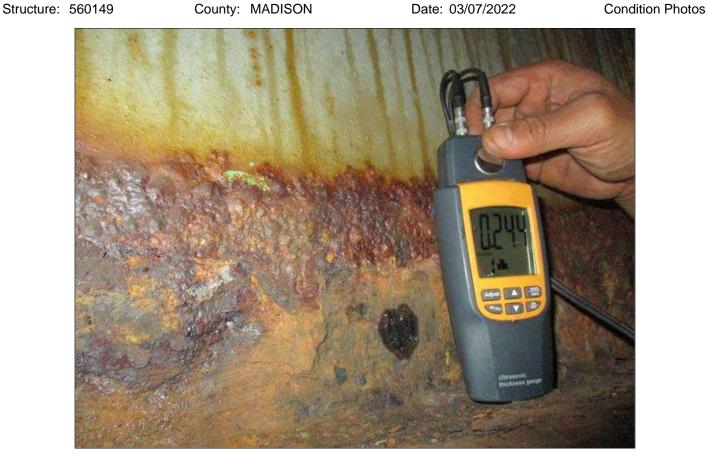
Span 2 Beam 1: (PAR) CORROSION ALOG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, NEAR MIDSPAN DOWN TO 0.23 RESIDUAL IN TOP FLANGE AND DOWN TO 0.18" RESIDUAL IN BOTTOM FLANGE, 5' FROM END BENT 2 HAS 100% SECTION LOSS FOR 1' IN BOTTOM LEFT FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 1: (PAR) CORROSION ALOG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, NEAR MIDSPAN DOWN TO 0.23 RESIDUAL IN TOP FLANGE AND DOWN TO 0.18" RESIDUAL IN BOTTOM FLANGE, 5' FROM END BENT 2 HAS 100% SECTION LOSS FOR 1' IN BOTTOM LEFT FLANGE



Span 2 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR END BENT 2 DOWN TO 0.24" RESIDUAL WEB, NEAR END BENT 2 DOWN TO 0.23" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.08" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos

County: MADISON

Structure: 560149

Span 2 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR END BENT 2 DOWN TO 0.24" RESIDUAL WEB, NEAR END BENT 2 DOWN TO 0.23" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.08" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



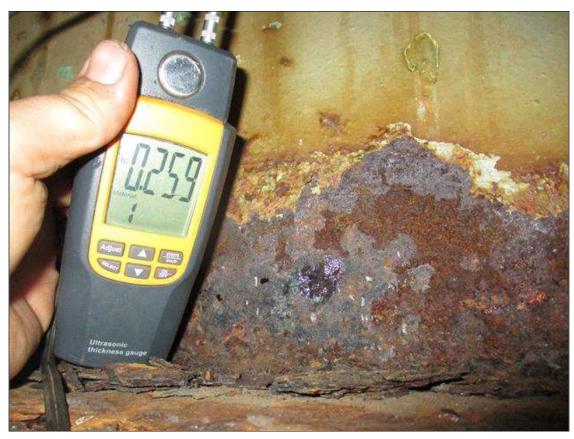
Span 2 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR END BENT 2 DOWN TO 0.24" RESIDUAL WEB, NEAR END BENT 2 DOWN TO 0.23" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.08" RESIDUAL BOTTOM FLANGE

Structure: 560149

County: MADISON

Date: 03/07/2022

Condition Photos



Span 2 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR MIDSPAN DOWN TO 0.25" RESIDUAL WEB, NEAR END BENT 2 0.20" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.30" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR MIDSPAN DOWN TO 0.25" RESIDUAL WEB, NEAR END BENT 2 0.20" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.30" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

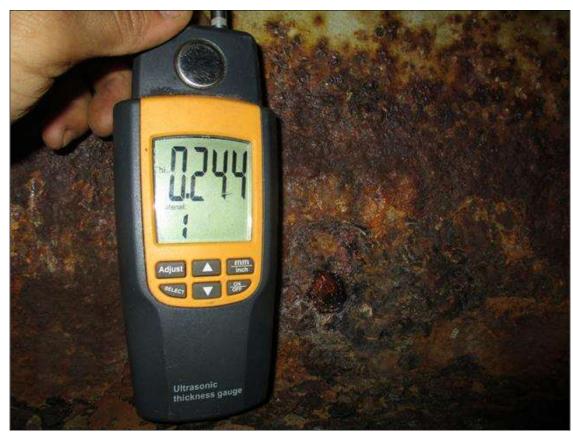
Condition Photos



Span 2 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR MIDSPAN DOWN TO 0.25" RESIDUAL WEB, NEAR END BENT 2 0.20" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.30" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 16" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 16" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 16" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

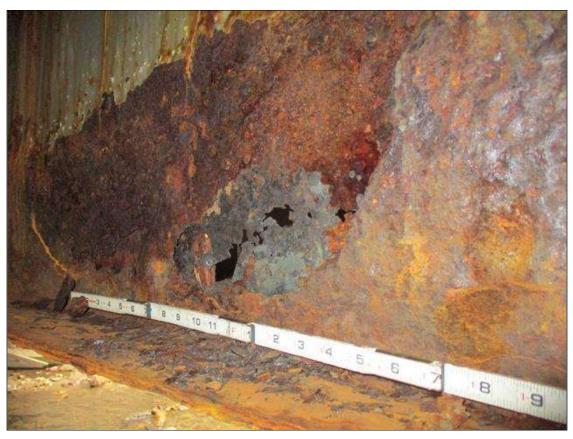
Condition Photos



Span 2 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES 8' FROM BENT 1 AND @ BEAM END PATCH HAS 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE AREAS DOWN TO KNIFE'S EDGE & 100% SECTION LOSS IN BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES 8' FROM BENT 1 AND @ BEAM END PATCH HAS 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE AREAS DOWN TO KNIFE'S EDGE & 100% SECTION LOSS IN BOTTOM FLANGE Structure: 560149

County: MADISON

Date: 03/07/2022

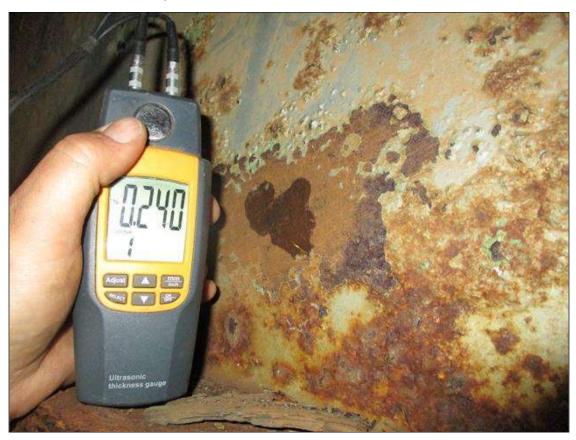
Condition Photos



Span 2 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES 8' FROM BENT 1 AND @ BEAM END PATCH HAS 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE AREAS DOWN TO KNIFE'S EDGE & 100% SECTION LOSS IN BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 7: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.41" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.303" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 7: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.41" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.303" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

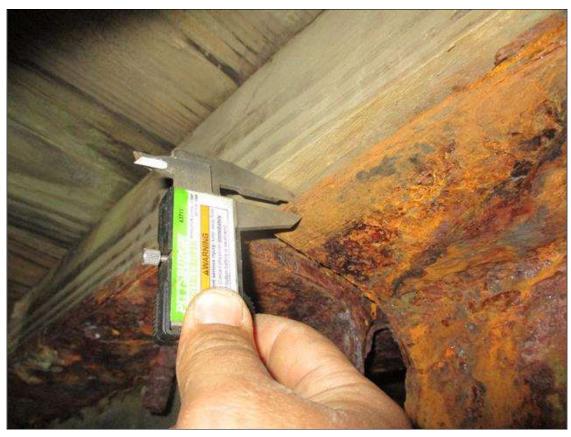
Condition Photos



Span 2 Beam 7: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.41" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.303" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM FLANGE Structure: 560149

County: MADISON

Date: 03/07/2022

Condition Photos



Span 2 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM FLANGE

Date: 03/07/2022

Condition Photos



Span 2 Beam 7: (PAR) Span 2 Bay 7 Diaphragm 10ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 3" LONG X 1" WIDE HOLES IN TOP FLANGE, TWO (2) 3" LONG X 1" WIDE HOLES IN BOTTOM FLANGE, AND 3" HIGH X 1 1/2" WIDE HOLE IN WEB

Date: 03/07/2022



Span 2 Beam 7: (PAR) Span 2 Bay 7 Diaphragm 10ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 3" LONG X 1" WIDE HOLES IN TOP FLANGE, TWO (2) 3" LONG X 1" WIDE HOLES IN BOTTOM FLANGE, AND 3" HIGH X 1 1/2" WIDE HOLE IN WEB

Date: 03/07/2022

Condition Photos



Span 2 Beam 8: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 3/8" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.19" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE

Structure: 560149

County: MADISON

Date: 03/07/2022

Condition Photos



Span 2 Beam 8: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 3/8" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.19" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE

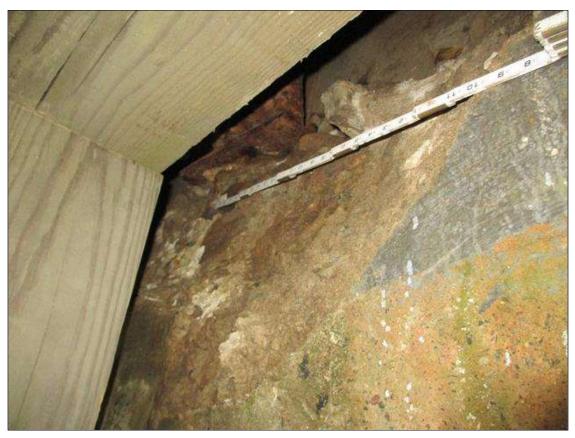
Date: 03/07/2022



End Bent 1 Abutment: (PAR) 38" X 7" X UP TO 4" DEEP SPALL IN FACE OF CAP BENEATH BEAMS 1 AND 2, WITH 3" X 1" LOSS OF BEARING BELOW BEAM 1

Date: 03/07/2022

Condition Photos



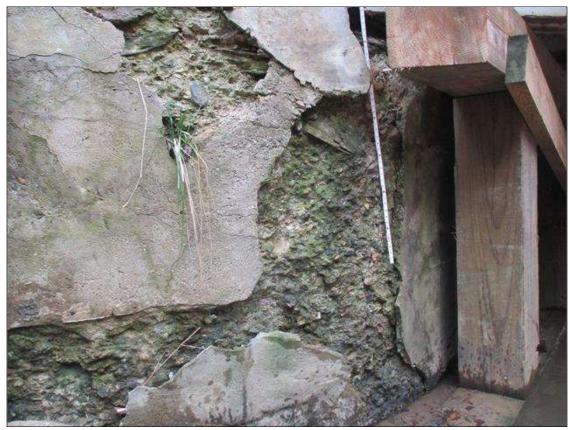
End Bent 2 Abutment: (PAR) FROM BEAM 2 TO BAY 3, 60"x 2"x 6" DEEP SPALL WITH 1" LOSS OF BEAM 3 BEARING. FROM RIGHT END TO BEAM 4, 14' LONG x 21" HIGH FAILED REPAIR WITH UP TO 2" DEEP UNDERMING AT BEAM 5

Date: 03/07/2022

Condition Photos



End Bent 2 Abutment: (PAR) NORTHEAST WINGWALL EXTENSION, 11'x 5" AREA OF DELAMINATION FOUR (4) SPALLS UP TO 3'x 3'x 5" DEEP WITH UP TO 1/8" MAP CRACKING WITH EFFLORESCENCE IN FACE



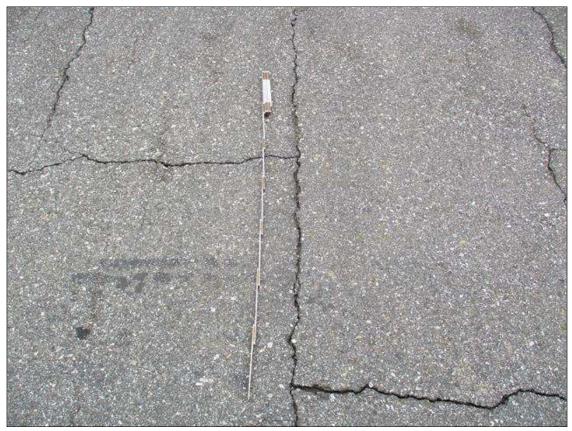
End Bent 2 Abutment: (PAR) BELOW BEAM 1, 16"x 22"x UP TO 10" DEEP SPALL WITH 6" X 5" LOSS OF BEARING IN FACE OF CAP

Date: 03/07/2022

Condition Photos



Span 1 Wearing Surface: UP TO 1/4" TRANSVERSE AND LONGITUDINAL CRACKS IN VARIOUS LOCATIONS THROUGHOUT



Span 1 Wearing Surface: UP TO 1/4" TRANSVERSE AND LONGITUDINAL CRACKS IN VARIOUS LOCATIONS THROUGHOUT

Date: 03/07/2022



Span 1 Right Bridge Rail: AREAS OF CORROSION IN RAIL POSTS

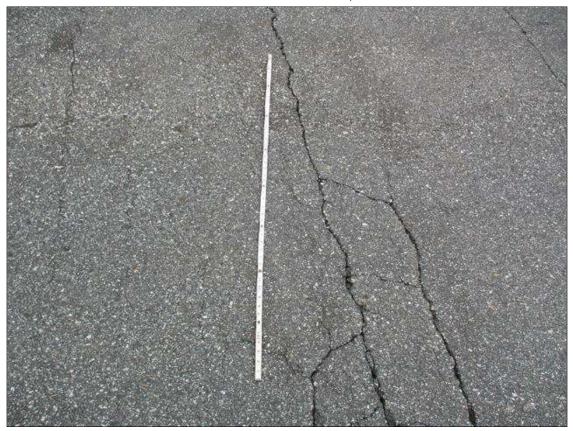


Span 1 Left Bridge Rail: AREAS OF CORROSION IN RAIL POSTS

Date: 03/07/2022

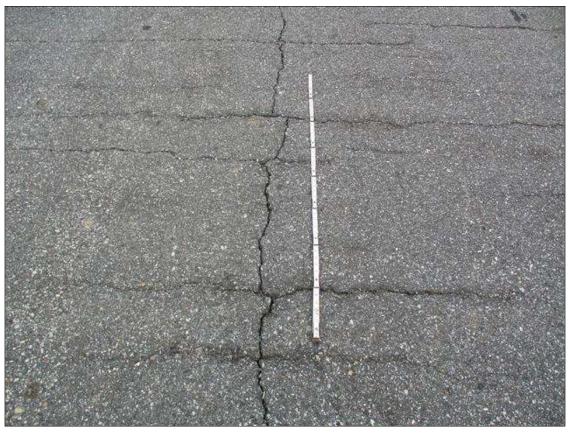


BRIDGE RAIL CONNECTION TO BEAM HAS CORROSION & SECTION LOSS UP TO 100% (TYPICAL ALL BRIDGE RAIL CONNECTIONS)



Span 2 Wearing Surface: UP TO 1/4" TRANSVERSE AND LONGITUDINAL CRACKS IN VARIOUS LOCATIONS THROUGHOUT, CRACKS NEAR ABUTMENT 2 FILL FACE

Date: 03/07/2022



Span 2 Wearing Surface: POTHOLE ALONG ABUTMENT 2 FILL FACE, APPROXIMATELY 5' FROM RIGHT EDGE OF ROADWAY



Span 2 Wearing Surface: 12'x 8"x 4" DEEP SPALL & RAVELING OF ASPHALT @ END BENT 2

Date: 03/07/2022

Condition Photos



Span 2 Left Bridge Rail: 16" X 1" DEEP DISTORTION IN TOP OF RAIL, APPROXIMATELY 10' FROM PIER



Span 2 Left Bridge Rail - Protective System: AREAS OF DETERIORATED PAINT SYSTEM IN RAIL POSTS

Date: 03/07/2022

Condition Photos



Span 2 Right Bridge Rail - Protective System: AREAS OF DETERIORATED PAINT SYSTEM IN RAIL POSTS



End Bent 1 Abutment: 48' OF UP TO 12" HIGH X 5" DEEP SCALING WITH EXPOSED AGGREGATE THROUGHOUT FACE OF BREASTWALL AT WATER SURFACE WITH UP TO 1/16IN VERTICAL AND HORIZONTAL CRACKS

Date: 03/07/2022



End Bent 1 Abutment: 32" X 16" X UP TO 1" DEEP SPALL IN FACE OF CAP BENEATH BAY 7; NO LOSS OF BEARING NOTED

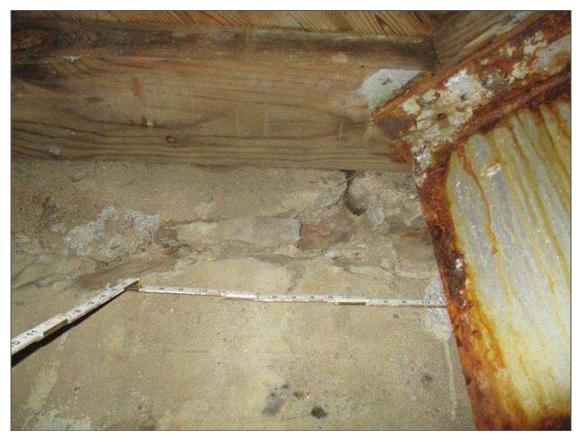


End Bent 1 Abutment: 9" X 5" X 2" DEEP SPALL IN FACE OF BACKWALL IN BAY 6

Date: 03/07/2022



End Bent 1 Abutment: 14" X 2" X 1" DEEP SPALL IN FACE OF CAP BENEATH BAY 5



End Bent 1 Abutment: 6" DIAMETER X 2" DEEP SPALL IN FACE OF BACKWALL IN BAY 4

Date: 03/07/2022

Condition Photos



End Bent 1 Abutment: 10" X 5" X 1" DEEP SPALL IN FACE OF BREASTWALL BENEATH BAY 1 NEAR BOTTOM OF CAP



End Bent 1 Abutment: BELOW LEFT OVERHANG NEAR BOTTOM OF BREASTWALL, SPALL 16" X 8" X 1" DEEP

Date: 03/07/2022

Condition Photos



Bent 1 Cap: VERTICAL AND HORIZONTAL HAIRLINE CRACKS IN BOTH FACES OF CAP IN VARIOUS LOCATIONS



Bent 1 Pier: 48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT UPSTREAM END

Date: 03/07/2022

Condition Photos



Bent 1 Pier: 48" LONG X 16" HIGH X 7" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT UPSTREAM END



Bent 1 Pier: 30" WIDE X 33" HIGH X 7" DEEP SPALL IN UPSTREAM FACE OF PIER AT WATER SURFACE

Structure: 560149

County: MADISON

Date: 03/07/2022

Condition Photos



Bent 1 Pier: 25' OF UP TO 36" DEEP SCOUR ALONG BOTH FACES AND UPSTREAM END OF PIER, NO UNDERMINING NOTED



Bent 1 Pier: SPAN 2 FACE AT WATER SURFACE EXTENDING FROM UPSTREAM END, 15' LONG X 12" HIGH X 3" DEEP SPALL

Date: 03/07/2022



Bent 1 Pier: 20" LONG X 12" HIGH X 3" DEEP SPALL IN SPAN 1 FACE OF PIER AT WATER SURFACE AT DOWNSTREAM END



End Bent 2 Abutment: UP TO 24" LONG X 1/4" WIDE VERTICAL CRACKS IN FACE OF BACKWALL IN BAYS 5 AND



End Bent 2 Abutment: 36" LONG X 60" HIGH X UP TO 8" DEEP SPALL IN FACE OF BREASTWALL AT RIGHT END



Date: 03/07/2022

Date: 03/07/2022



End Bent 2 Abutment: BAY 2 BACKWALL, SPALL 2FT X 10IN X 5IN DEEP



REPAIRS TO NORTHWEST SHOULDER EROSION

Structure: 560149

County: MADISON

Date: 03/07/2022



End Bent 2 Abutment: TOP MIDDLE OF LEFT BREAST WALL, 3'x 2'x 4" DEEP SPALL

Stream Bed Soundings (Profile diagram on following sheet)

Structure Number: 560149

Inspection Date 03/08/2022

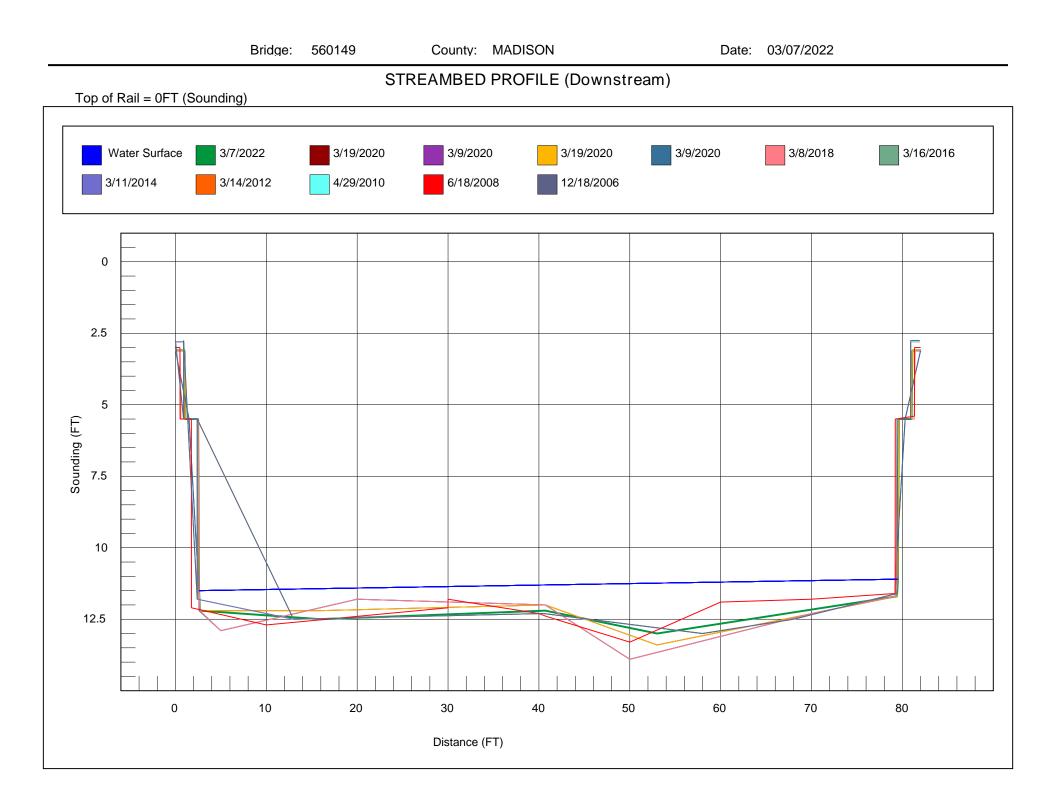
Sounding recorded from: Top of Bridge Rail

MADISON

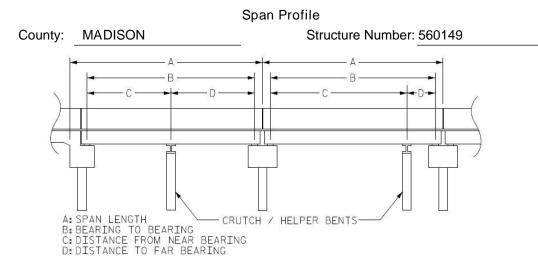
County

Highwater Mark Distance 10.5 Location of Highwater Mark TOP OF BANK

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	3.100	0.000	FILL FACE
1.000	3.100	0.000	TOP OF WING
1.100	5.500	0.000	TOP OF CAP
2.500	5.500	0.000	TOP OF CAP
2.600	11.500	0.000	WSWE
2.700	12.200	12.000	FACE OF CAP
16.000	12.500	0.000	STREAMBED
40.700	12.200	13.700	BE1
53.000	13.000	0.000	STREAMBED
79.400	11.700	13.300	FACE OF CAP
79.500	11.100	0.000	WSWE
79.600	5.500	0.000	TOP OF CAP
81.000	5.500	0.000	TOP OF CAP
81.100	3.100	0.000	TOP OF WING
82.000	3.100	0.000	FILL FACE



Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.667	39.000			
2	41.333	39.667			

Date: 03/07/2022

Structure Photos



ONE LANE BRIDGE SIGN (WEST END)



WEST APPROACH

Date: 03/07/2022

Structure Photos



TYPICAL DELINEATOR



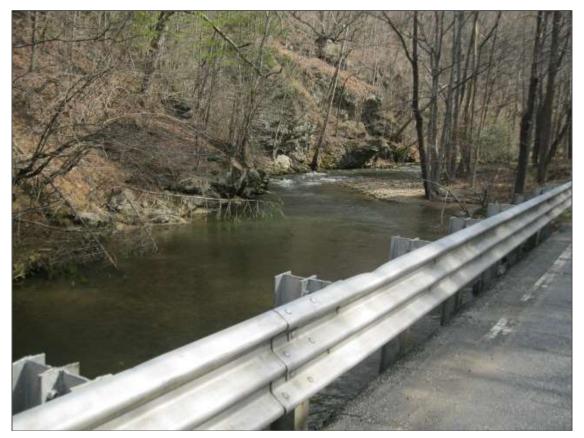
TYPICAL BRIDGE RAIL

Date: 03/07/2022

Structure Photos



LOOKING SOUTH DOWNSTREAM



LOOKING NORTH UPSTREAM

Structure: 560149

County: MADISON

Date: 03/07/2022

Structure Photos



EAST APPROACH



TYPICAL ASPHALT WEARING SURFACE

Date: 03/07/2022

Structure Photos



ONE LANE BRIDGE SIGN (EAST END)



END BENT 1

Date: 03/07/2022

Structure Photos



END BENT 2



TYPICAL UNDERSIDE (SPAN 1 SHOWN)

Date: 03/07/2022

Structure Photos



TYPICAL DIAPHRAGM



SOUTH ELEVATION

County: MADISON

Date: 03/07/2022

Structure Photos



TYPICAL WINGWALL



NORTH ELEVATION

Structure: 560149

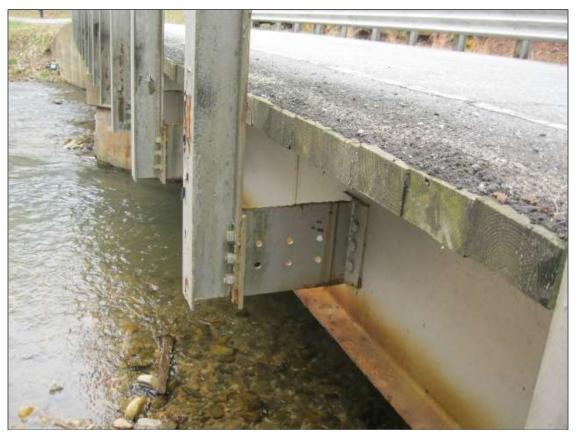
County: MADISON

Date: 03/07/2022

Structure Photos



BENT 1



BRIDGE RAIL TO BEAM CONNECTION

Structure: 560149

County: MADISON

Date: 03/07/2022

Structure Photos



EQUIPMENT/LADDER



NEW CRUTCH BENT @ END BENT 2

Bridge: 560149

County MADISON

Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	39	Span 1 Beam 1: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE 0.16" BOTTOM FLANGE	
🔌 3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 2: (PAR) AT END BENT 1, CORROSION ALONG RIGHT EDGE OF BOTTOM FLANGE WITH 2" LONG X 1/2" WIDE HOLE	
% 3314	Maintain Steel Superstructure Components	LF	38	Span 1 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.25" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.28" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	39	Span 1 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 10" HIGH DOWN TO 0.16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.23" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE	
戦 3314	Maintain Steel Superstructure Components	LF	39	Span 1 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 8" HIGH DOWN TO 0.216" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.02" RESIDUAL BOTTOM FLANGE	

Bridge: 560149

County MADISON

Date:

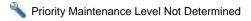
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	39	Span 1 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 2" HIGH DOWN TO 5/16" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.37" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN 0.08" TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB UP TO 2" LONG X 6" HIGH DOWN TO KNIFE'S EDGE RESIDUAL WEB WITH 1/2" DIAMETER HOLE 5" FROM TOP FLANGE AT END OF BEAM AT PIER (NO PHOTO)	
3314	Maintain Steel Superstructure Components	LF	38	Span 1 Beam 6: (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4' FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE, AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	39	Span 1 Beam 7: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" WIDE DOWN TO 0.45" RESIDUAL TOP FLANGE, AND UP TO 4' FROM END BENT 1 DOWN TO 0.18" RESIDUAL BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	39	Span 1 Beam 8: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES @ END BENT 1, 0.28" RESIDUAL TOP FLANGE, AND 0.42" RESIDUAL BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: (PAR) Bay 1 Diaphragm, 5ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 4" LONG X 2" WIDE HOLES IN TOP FLANGE	

Bridge: 560149

County MADISON

Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
🔌 3314	Maintain Steel Superstructure Components	LF	38	Span 2 Beam 1: (PAR) CORROSION ALOG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, NEAR MIDSPAN DOWN TO 0.23 RESIDUAL IN TOP FLANGE AND DOWN TO 0.18" RESIDUAL IN BOTTOM FLANGE, 5' FROM END BENT 2 HAS 100% SECTION LOSS FOR 1' IN BOTTOM LEFT FLANGE	
戦 3314	Maintain Steel Superstructure Components	LF	39	Span 2 Beam 2: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR END BENT 2 DOWN TO 0.24" RESIDUAL WEB, NEAR END BENT 2 DOWN TO 0.23" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.08" RESIDUAL BOTTOM FLANGE	
% 3314	Maintain Steel Superstructure Components	LF	39	Span 2 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR MIDSPAN DOWN TO 0.25" RESIDUAL WEB, NEAR END BENT 2 0.20" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.30" RESIDUAL BOTTOM FLANGE	
🔌 3314	Maintain Steel Superstructure Components	LF	39	Span 2 Beam 4: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 16" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.18" RESIDUAL BOTTOM FLANGE	
🔌 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 5: (PAR) 8' FROM PIER, 8"x 3" HOLE IN WEB AND RIGHT EDGE OF BOTTOM FLANGE WITH FIVE (5) HOLES UP TO 1" DIAMETER IN WEB (NO PHOTO)	



Bridge: 560149

County MADISON

Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
∾ 3314	Maintain Steel Superstructure Components	LF	38	Span 2 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES 8' FROM BENT 1 AND @ BEAM END PATCH HAS 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE AREAS DOWN TO KNIFE'S EDGE & 100% SECTION LOSS IN BOTTOM FLANGE	
≪ 3314	Maintain Steel Superstructure Components	LF	39	Span 2 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM FLANGE	
≪ 3314	Maintain Steel Superstructure Components	LF	38	Span 2 Beam 7: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 0.24" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.41" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.303" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE	
👋 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 7: (PAR) Span 2 Bay 7 Diaphragm 10ft from Pier: CORROSION THROUGHOUT DIAPHRAGM WITH TWO (2) 3" LONG X 1" WIDE HOLES IN TOP FLANGE, TWO (2) 3" LONG X 1" WIDE HOLES IN BOTTOM FLANGE, AND 3" HIGH X 1 1/2" WIDE HOLE IN WEB	
% 3314	Maintain Steel Superstructure Components	LF	39	Span 2 Beam 8: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 3/8" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO 0.19" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.22" RESIDUAL BOTTOM FLANGE	

Bridge: 560149

County MADISON

Date:

	1				
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
🔌 3322	Maint to Steel Handrail	LF	2	Span 2 Left Bridge Rail: (PAR) RAIL POSTS 5 AND 6, TWO (2) MISSING BOLTS AT CONNECTION TO BEAM 1	
3322	Maint to Steel Handrail	LF	1	Span 2 Right Bridge Rail: (PAR) MISSING BOLT AT CONNECTION OF RAIL POST TO BEAM 8, APPROXIMATELY 15' FROM ABUTMENT 2	
戦 3350	Maint R C Wings and Walls	SF	3	End Bent 1 Abutment: (PAR) 38" X 7" X UP TO 4" DEEP SPALL IN FACE OF CAP BENEATH BEAMS 1 AND 2, WITH 3" X 1" LOSS OF BEARING BELOW BEAM 1	
戦 3350	Maint R C Wings and Walls	SF	19	End Bent 2 Abutment: (PAR) FROM BEAM 2 TO BAY 3, 60"x 2"x 6" DEEP SPALL WITH 1" LOSS OF BEAM 3 BEARING. FROM RIGHT END TO BEAM 4, 14' LONG x 21" HIGH FAILED REPAIR WITH UP TO 2" DEEP UNDERMING AT BEAM 5	
戦 3350	Maint R C Wings and Walls	SF	11	End Bent 2 Abutment: (PAR) NORTHEAST WINGWALL EXTENSION, 11'x 5" AREA OF DELAMINATION FOUR (4) SPALLS UP TO 3'x 3'x 5" DEEP WITH UP TO 1/8" MAP CRACKING WITH EFFLORESCENCE IN FACE	
🔌 3350	Maint R C Wings and Walls	SF	2	End Bent 2 Abutment: (PAR) BELOW BEAM 1, 16"x 22"x UP TO 10" DEEP SPALL WITH 6" X 5" LOSS OF BEARING IN FACE OF CAP	



Bridge: 560149

County MADISON

MMS Code	MN	/IS Descrip	on Quantity					
3314	Mai	ntain Stee	Superstructure Components	Superstructure Components 39 LF				
Location:								
			Bent/Span No.					
Priority Level			Status					
Priority Main	itenan	се	Division Bridge Maintenance Noti	ge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:				
03/08/2022		RICK P	OOLE					
Details								
FULL LENG	Span 1 Beam 1: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH DOWN TO 1/4" RESIDUAL WEB, FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO KNIFE'S EDGE 0.16" BOTTOM FLANGE							

MMS Code	M	MMS Description Quantity					
3314	Mai	ntain Stee	Superstructure Components		1	LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Mair	itenan	ice	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
Span 1 Bear LONG X 1/2			ND BENT 1, CORROSION ALON	G RIGHT EDGE OF BOTTOM FLAN	GE WITH 2'	I	

Bridge: 560149

County MADISON

MMS Code	MN	MMS Description					
3314	Mair	ntain Stee	I Superstructure Components		38	LF	
Location:							
			Bent/Span No.				
Priority Leve)		Status				
Priority Main	itenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
FULL LENG	TH X	4" HÍGH D	OOWN TO 0.25" RESIDUAL WEB, I	OF WEB AND EDGES OF BOTH FLA FULL LENGTH X 4" WIDE DOWN TO OWN TO 0.18" RESIDUAL BOTTOM	O 0.28"	ГО	

MMS Code	MN	MMS Description Quantity					
3314	Mai	ntain Stee	I Superstructure Components		39	LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Mair	ntenan	ice	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
FULL LENG	TH X	10" HIGH	DOWN TO 0.16" RESIDUAL WEB	OF WEB AND EDGES OF BOTH FLA , FULL LENGTH X 4" WIDE DOWN OWN TO 0.22" RESIDUAL BOTTOM	TO 0.23"	то	

Bridge: 560149

County MADISON

MMS Code	MM	MMS Description Quant							
3314	Mair	ntain Steel	I Superstructure Components	Superstructure Components 39 LF					
Location:	Location:								
			Bent/Span No.						
Priority Leve	Priority Level		Status						
Priority Main	tenan	се	Division Bridge Maintenance Notification						
Submitted Da	ate:	Submitte	d By:	Assisted By:					
03/08/2022		RICK P	JOLE						
Details									
FULL LENG	тн х в	8" HÍGH D	OWN TO 0.216" RESIDUAL WEB,	OF WEB AND EDGES OF BOTH FLA , FULL LENGTH X 4" WIDE DOWN ⁻ OWN TO 0.02" RESIDUAL BOTTOM	TO 0.02"	ГО			

MMS Code	MN	AS Descrip	escription Quantity					
3314	Mai	ntain Stee	Superstructure Components		39	LF		
Location:	Location:							
			Bent/Span No.					
Priority Level			Status					
Priority Maintenance		ice	Division Bridge Maintenance Notification					
Submitted D	Date:	Submitte	d By:	Assisted By:				
03/08/2022		RICK P	OOLE					
Details								
FULL LENG	TH X	2" HÍGH D	OWN TO 5/16" RESIDUAL WEB,	DF WEB AND EDGES OF BOTH FLA FULL LENGTH X 4" WIDE DOWN T DWN 0.08" TO KNIFE'S EDGE RES	O 0.37"			

Bridge: 560149

County MADISON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MM	MMS Description Quant						
3314	Main	ntain Steel	Superstructure Components	Superstructure Components 1 LF				
Location:								
			Bent/Span No.					
Priority Level			Status					
Priority Main	tenanc	ce	Division Bridge Maintenance Notification					
Submitted D	ate:	Submitte	d By:	Assisted By:				
03/08/2022		RICK P	OOLE					
Details								
	GE RE			OF WEB UP TO 2" LONG X 6" HIGH 5" FROM TOP FLANGE AT END O		PIER		

MMS Code	M	/IS Descrip	S Description Quantity				
3314	Mai	ntain Stee	tain Steel Superstructure Components 38				
Location:							
Bent/Span No.							
Priority Level			Status				
Priority Main	itenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
	Span 1 Beam 6: (PAR) CORROSION ALONG LEFT FACE OF WEB AND EDGES OF BOTH FLANGES 4' FROM END BENT 1 DOWN TO 0.21" RESIDUAL WEB, 4' FROM END BENT 1 DOWN TO 0.36" RESIDUAL TOP FLANGE,						

AND NEAR MIDSPAN DOWN TO 0.17" WITH AREAS DOWN TO KNIFE'S EDGE RESIDUAL BOTTOM FLANGE

Bridge: 560149

County MADISON

MMS Code	MN	MMS Description			Quantity		
3314	Mair	ntain Stee	I Superstructure Components		39	LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Main	itenan [,]	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
DOWN TO (Span 1 Beam 7: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" WIDE DOWN TO 0.45" RESIDUAL TOP FLANGE, AND UP TO 4' FROM END BENT 1 DOWN TO 0.18" RESIDUAL BOTTOM FLANGE						

MMS Code	MN	/IS Descrip	tion Quantity				
3314	Mai	ntain Stee	Superstructure Components	Superstructure Components 39 L			
Location:							
Bent/Span No.							
Priority Level			Status				
Priority Main	itenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
	Span 1 Beam 8: (PAR) CORROSION ALONG EDGES OF BOTH FLANGES @ END BENT 1, 0.28" RESIDUAL TOP FLANGE, AND 0.42" RESIDUAL BOTTOM FLANGE						

Bridge: 560149

County MADISON

MMS Code	MM	MMS Description				Quantity	
3314	Mair	ntain Steel	Superstructure Components	1	LF		
Location:							
	Bent/Span No.						
Priority Level			Status				
Priority Main	tenand	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
			1 Diaphragm, 5ft from Pier: CORR(S IN TOP FLANGE	OSION THROUGHOUT DIAPHRAGI	M WITH TW	O (2)	

MMS Code	M	MMS Description Quantity					
3314	Mai	ntain Stee	I Superstructure Components		38	LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Maintenance		ice	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details		•					
FULL LENG	TH X	4" HIGH D WN TO 0.	OWN TO 1/4" RESIDUAL WEB, N	WEB AND EDGES OF BOTH FLAN IEAR MIDSPAN DOWN TO 0.23 RE IGE, 5' FROM END BENT 2 HAS 10	SIDUAL IN	TOP	

Bridge: 560149

County MADISON

MMS Code	MN	MMS Description					
3314	Maii	Maintain Steel Superstructure Components				LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Main	ntenan	ice	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
END BENT	2 DOV	NN ŤO 0.2		OF WEB AND EDGES OF BOTH FLA BENT 2 DOWN TO 0.23" RESIDUAL OM FLANGE			

MMS Code	MN	MMS Description Quantity					
3314	Mai	aintain Steel Superstructure Components 39				LF	
Location:							
Bent/Span No.							
Priority Level			Status				
Priority Mair	ntenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
MIDSPAN D	OWŃ	Span 2 Beam 3: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES NEAR MIDSPAN DOWN TO 0.25" RESIDUAL WEB, NEAR END BENT 2 0.20" RESIDUAL TOP FLANGE, AND NEAR END BENT 2 DOWN TO 0.30" RESIDUAL BOTTOM FLANGE					

Bridge: 560149

County MADISON

MMS Code	MN	MMS Description					
3314	Mair	Aaintain Steel Superstructure Components				LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Main	ntenan	ice	Division Bridge Maintenance Notification				
Submitted D	oate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
FULL LENG	STH X	16" HIGH	DOWN TO 0.24" RESIDUAL WEB,	OF WEB AND EDGES OF BOTH FLA , FULL LENGTH X 4" WIDE DOWN ⁻ OWN TO 0.18" RESIDUAL BOTTOM	TO 0.20"	ГО	

MMS Code	MN	MMS Description Quantity					
3314	Mai	ntain Stee	1	LF			
Location:							
Bent/Span No.							
Priority Level			Status				
Priority Main	tenan	ice	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
Span 2 Beam 5: (PAR) 8' FROM PIER, 8"x 3" HOLE IN WEB AND RIGHT EDGE OF BOTTOM FLANGE WITH FIVE (5) HOLES UP TO 1" DIAMETER IN WEB (NO PHOTO)							

Bridge: 560149

County MADISON

MMS Code	MM	IS Descrip	Quantity				
3314	Mair	ntain Steel Superstructure Components			38	LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Main	tenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
Span 2 Beam 5: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES 8' FROM BENT 1 AND @ BEAM END PATCH HAS 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.20" & KNIFE'S EDGE RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE AREAS DOWN TO KNIFE'S EDGE & 100% SECTION LOSS IN BOTTOM FLANGE							

MMS Code	MN	MMS Description Quanti					
3314	Mai	Maintain Steel Superstructure Components					
Location:							
Bent/Span No.							
Priority Level			Status				
Priority Mair	ntenan	ice	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
FULL LENG	Span 2 Beam 6: (PAR) CORROSION ALONG BOTH FACES OF WEB AND EDGES OF BOTH FLANGES UP TO FULL LENGTH X 4" HIGH AREAS OF KNIFE'S EDGE & 100% SECTION LOSS IN WEB, FULL LENGTH X 4" WIDE DOWN TO 0.25" RESIDUAL TOP FLANGE, AND FULL LENGTH X 4" WIDE DOWN TO 0.17" RESIDUAL BOTTOM						

Bridge: 560149

County MADISON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MM	/IS Descrip		Quantity			
3314	Mair	aintain Steel Superstructure Components			38	LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Main	tenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
FULL LENG	TH X 4 TOP F	4" HÍGH D FLANGE, A	DOWN TO 0.24" RESIDUAL WEB, F AND FULL LENGTH X 4" WIDE DO	OF WEB AND EDGES OF BOTH FLA FULL LENGTH X 4" WIDE DOWN TO OWN TO 0.303" WITH AREAS DOWN	O 0.41"		

MMS Code	MN	MMS Description Quantity					
3314	Mai	laintain Steel Superstructure Components 1 LF					
Location:	Location:						
	Bent/Span No.						
Priority Level Status			Status				
Priority Mair	ntenan	ice	Division Bridge Maintenance Noti	fication			
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
TWO (2) 3"	LONĠ	6 X 1" ŴID		r: CORROSION THROUGHOUT DIA (2) 3" LONG X 1" WIDE HOLES IN E		/ITH	

FLANGE, AND 3" HIGH X 1 1/2" WIDE HOLE IN WEB

Bridge: 560149

County MADISON

MMS Code	MN	/IS Descrip	scription			
3314	Mai	ntain Stee	Superstructure Components	39	LF	
Location:	Location:					
	Bent/Span No.					
Priority Level Status						
Priority Mair	Priority Maintenance Division Bridge Maintenance Notification					
Submitted D	ate:	Submitte	d By:	Assisted By:		
03/08/2022		RICK P	OOLE			
Details	Details					
FULL LENG	TH X	4" HÍGH C	OWN TO 3/8" RESIDUAL WEB, F	OF WEB AND EDGES OF BOTH FLA ULL LENGTH X 4" WIDE DOWN TO IDE DOWN TO 0.22" RESIDUAL BO	0.19" & KN	IIFE'S

MMS Code	MM	MMS Description Quantity						
3322	Mair	nt to Steel	landrail 2 LF					
Location:								
Bent/Span No.								
Priority Level Status								
Priority Maintenance Division Bridge Maintenance Notification								
Submitted Da	ate:	Submitte	d By:	Assisted By:				
03/08/2022		RICK P	OOLE					
Details								
Span 2 Left B	Bridge	e Rail: (PA	R) RAIL POSTS 5 AND 6, TWO (2) MISSING BOLTS AT CONNECTIC	N TO BEAM	1		

Bridge: 560149 County MADISON

MMS Code	MMS Des	crip	otion		Quantity	
3322	Maint to Steel Handrail					
Location:	Location:					
	Bent/Span No.					
Priority Leve	Priority Level Status					
Priority Mair	Priority Maintenance Division Bridge Maintenance Notification					
Submitted D	ate: Subn	itte	ed By:	Assisted By:		
03/08/2022	RIC	< P	OOLE			
Details						
	nt Bridge Rail ABUTMENT 2		AR) MISSING BOLT AT CONNEC	TION OF RAIL POST TO BEAM 8, A	.PPROXIMA	TELY

MMS Code	MN	MMS Description Quantity					
3350	Mai	Maint R C Wings and Walls 3 SF					
Location:							
			Bent/Span No.				
Priority Level Status							
Priority Mair	Priority Maintenance Division Bridge Maintenance Notification						
Submitted D	ate:	Submitte	d By:	Assisted By:			
03/08/2022		RICK P	OOLE				
Details							
) 38" X 7" X UP TO 4" DEEP SPAL ARING BELOW BEAM 1	L IN FACE OF CAP BENEATH BEA	MS 1 AND 2	2,	

Bridge: 560149 County MADISON

MMS Code	MM	/IS Descrip		Quantity		
3350	Maint R C Wings and Walls 19					
Location:	_ocation:					
	Bent/Span No.					
Priority Level Status						
Priority Maintenance Division Bridge Maintenance Notification						
Submitted D	ate:	Submitte	d By:	Assisted By:		
03/08/2022		RICK P	OOLE			
Details						
	FROM	RIGHT EI		2"x 6" DEEP SPALL WITH 1" LOSS (IGH FAILED REPAIR WITH UP TO 2		

MMS Code	MN	IS Descrip	Description Quantity					
3350	Mair	nt R C Wir	and Walls 11 SF					
Location:								
	Bent/Span No.							
Priority Level Status								
Priority Maintenance Division Bridge Maintenance Notification								
Submitted Da	ate:	Submitte	d By:	Assisted By:				
03/08/2022		RICK P	OOLE					
Details								
				NSION, 11'x 5" AREA OF DELAMIN CKING WITH EFFLORESCENCE IN		R (4)		

Bridge: 560149 County MADISON

MMS Code	MMS	MMS Description			Quantity	
3350	Maint	t R C Wir		2	SF	
Location:						
	Bent/Span No.					
Priority Leve	Priority Level Status					
Priority Main	Priority Maintenance Division Bridge Maintenance Notification					
Submitted Da	ate:	Submitte	d By:	Assisted By:		
03/08/2022		RICK P	OOLE			
Details						
End Bent 2 A BEARING IN				O 10" DEEP SPALL WITH 6" X 5" Lo	OSS OF	

Bridge Inspection Field Sketch

SR 1318

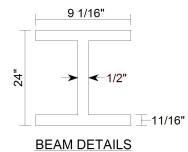
Roadway	16ft Wide	1 Paved Lanes	Looking East
Left Shoulder	6ft Wide	0.5ft Paved	5.5ft Unpaved
Right Shoulder	2ft Wide	1ft Paved	1ft Unpaved
Left Guardrail			
Right Guardrail			

Measurements recorded approximately 25ft from Abutment 1 fill face along centerline of roadway.

VERIFIED BY RDP 3/7/22

Title			Description		
APPROACH ROADWAY			LOOKING EAST		
Bridge No: 560149	Drawn By: SJK		Date: _{6/18/2008}	File Name:S0102000171	

	Deck Width/Out to Out	18.5ft	Betwee	en Rails		17.333ft	
	Clear Roadway	17.333ft		ng Surface		0.292ft	
	Median Width	11.0001		n Height		0.2021	
	Curb Height		Left		Right		
	Sidewalk Width		Left		Right		
	Clear Roadway (Rail to Media	an)	Left		Right		
	Guardrail Width		Left	0.25ft		0.25ft	
\wedge	Top of Rail to Deck/Wearing	Surface	Left	2.708ft		2.708ft	\square
Þ	Bridge Rail		Left	Type 23	Right	Type 23	<
		ONE TH	HRU LAN	IF			
-	Measurements for Spans	1 and 2					
	Deck Thickness	0.313		Overhang		1.25	
	Top of Rail to Bottom of Beam	5.313	Right	Overhang		1.25	
Beam Numbe	er Beam Type	Spacing		Com	ments		
1	Steel I Beam	2.286ft (+/-)					
2	Steel I Beam	2.286ft (+/-)					
3	Steel I Beam	2.286ft (+/-)					
4	Steel I Beam	2.286ft (+/-)					
5	Steel I Beam	2.286ft (+/-)					
	Steel I Beam	2.286ft (+/-)					
6							
6 7	Steel I Beam	2.286ft (+/-)					



VERIFIED BY RDP 3/7/22

Title			Description		
TYPICAL SECTION			8 LINES OF STEEL I-BEAMS		
Bridge No: 560149 Drawn By: Roy W. Shook			Date: _{6/18/2008}	File Name:S0102000172	

		Bri	dae I	nsr	oectio	on F	-iel	ld S	ketc	h		
			agei							••		
Cap Info					Place Conc							
Length 25.5 ft.			Right Over 12.75 f			eam to Er 917 ft.	nd of Cap.	. Right Beam to End of Cap. 1.667 ft.				
Subcap Length	ubcap Information Material Length Width Height Left Overhang Right Over		Right Over	erhang Left Pile to Splice.								
		9		5	9	J						
Sill Infor Length	mation Width	Height	Material									
Pile	Material	Spacing	Width/Dia.	Height	Length	Orier	ntation	Driven?	Replacem	nent?	Removed?	Collar?
1 Pier Wall	Concrete		24.5 ft.	1.5 ft.		Verti	cal	No	No		No	No
ERIFIE	D BY KDF	3/1/22	ERIFIED BY RDP 3/7/22 tle									
tle		311122				Descr						
i tle ER WAL			^{1 By:} JOE (Descr PIER	WALL	3/11/20			^{ame:} S01060	

	В	ridge Inspe	ction Field	Sketch
Span 1 Beam	4:			
Abutment 1				Hole Dia. = 1/2"
	3"	237"		Top Flange
Span 1 Beam	5:			
Abutment 1				Hole Dia. = 1/2"
l		240"		Top Flange
Span 1 Beam	6:			
Abutment 1				Hole Dia. = 1/2"
		248"		Top Flange
Span 1 Beam	7:			
Abutment 1			5 5/8"	Hole Dia. = 3/
t			5 5/8" 5 5/8"	
ł		241"		Web
Span 1 Beam	8:			
Pier Wall	Ŷ			Hole Dia. = 1/2" Top Flange
	4"			Тор глануе
VERIFIE) BY RDP	3/7/22		
tle			Description	
			SPAN 1 BEAM H	
AM HOLES				OLE3

	Bridge Ins	pection Field Ske	etch
Span 2 Beam	1:		
Abutment 2		φ	Hole Dia. = 1/2"
	242"		Top Flange
Span 2 Beams	<u>; 2</u> and 3:		
Abutment 2	Q		Hole Dia. = 1/2"
	12"		Top Flange
Span 2 Beam	4:		
Pier Wall		Ç	Hole Dia. = 1/2"
	233"	227"	Top Flange
Span 2 Beam	228"		Top Flange
Pier Wall			Hole Dia. = 1/2"
-	231"		Top Flange
Pier Wall		5 5/8" 5 5/8" 5 5/8"	Hole Dia. = 3/4
t	233"	5 5/8"	Web
			I
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	ED BY RPD 3/7/22		
VERIFI Itle EAM HOLES 1	ED BY RPD 3/7/22	Description SPAN 2 BEAM HOLES	

Bridge Inspection Field Sketch

Cap In	formation		Material	Timber								
Length Width Height		Left Overhang		Right Overhang		Left Beam to End of Cap		d of Cap.	Right Beam to End of Cap		d of Cap.	
18.500 ft. 1.000 ft. 1.000 ft.			1.500 ft. 1.500		ft. 1.500 ft.				1.500 ft.			
	p Information	11-1-1-1	Material	I	Disk Our		L - 6 D					
Lengt	ngth Width Height Left Overhang		Right Overl	erhang Left Pile to Splice.								
	ormation		Material									
Lengt		Height	ME	ASUR	ED BY R	DP 3	8/7/22					
20.500 Pile #	ft. 1.000 ft. Material	1.000 ft. Spacing	Width/Dia.	Height	Length	Orie	entation	Driven?	Replacem	ent?	Removed?	Collar?
1	Timber		1 ft.	4.1 ft.	1 ft.		indion	No	No	ionic.	No	No
2	Timber	3.875 ft.	1 ft.	4.1 ft.	1 ft.			No	No		No	No
3	Timber	3.875 ft.	1 ft.	4.1 ft.	1 ft.			No	No		No	No
4	Timber	3.875 ft.	1 ft.	4.1 ft.	1 ft.			No	No		No	No
5	Timber		1 ft.	4.1 ft.	1 ft.			No	No		No	No
Bent/A	butment #: 2	2	Similar E	3ents:								
	butment #: 2	2	Similar E	3ents:		Desc	ription					
le	butment #:		Similar E	3ents:					CH BENT			