

ATTENTION: PRIORITY ACTION REQUEST ISSUED; NEW ASPHALT **WEARING SURFACE**

Structure Safety Report

	Routine Eler	nent in	spection	ı - Conti	act			
STRUCTURE NUMBER: 500037	SAP STRUCT	URE NO:	0510037	F	HWA STRUC	TURE NO:	00000000	1010037
DIVISION: 4 COUNTY: JOHNS	STON	INSPEC	TION DATE:	11/03/202	23 FRE	QUENCY:	24 MONT	THS
FACILITY CARRIED: US301, NC96					MILE POST	:		
LOCATION: 0.2 MI N JCT US701 &US	301							
FEATURE INTERSECTED: CSX RR								
LATITUDE: 35° 27' 41.1"	LONG	SITUDE:	78° 23' 21.8	4"				
SUPERSTRUCTURE: REINFORCED	CONCRETE DECK	ON I-BEA	AMS					
SUBSTRUCTURE: ABUTMENTS:RC S	PILL THROUGH, IN	IT. BENT	S:RC POST	& BEAM				
SPANS: 5 SPANS. SEE SPAN PRO	FILE SHEET FOR S	SPAN DE	TAILS					
FRACTURE CRITICAL TEM	IPORARY SHORING	∃ □s	COUR CRI	ΓICAL		R PLAN OF	ACTION	
GRADES: (Inspector/NBI Coding) DECK	6/6 SUPERST	TRUCTUR	E 5/5	SUBSTRI	JCTURE 5/	5 CUL	VERT N/1	N
POSTED SV: 18			POSTED TT	ST : 21				
OTHER SIGNS PRESENT: 4 DELINEA	ATORS				Sign notice			Number Required
	1				NO	WEIG	HT LIMIT	0
上海外外 。					NO	DELIN	IEATORS	0
		1		1	NO	NARRO	W BRIDGE	0
				AT THE REAL PROPERTY.	NO	ONE LAN	NE BRIDGE	0
				*Na_na	NO	LOW CL	EARANCE	0
					INS	CTION OF PECTION RECTION HES PLAN	S-N S	
LOOKING NORTH								
NSPECTED BY Jim Stocks	SIGNATURE	848	Hodas I	1	ASSISTED B	Y Rick We	ertman	

— IDENTIFICATION —			· · · · · · · · · · · · · · · · · · ·
(1) STATE NAME NORTH CAROLINA BRIDGE	500037	SUFFICIENCY RATING	35.
• •	1010037	STATUS =	
,	1003010	CLASSIFICATION	CODE
(2) STATE HIGHWAY DEPARTMENT DISTRICT	4	(112) NBIS BRIDGE SYSTEM	YI
(3) COUNTY CODE (FEDERAL) 101 (4) PLACE CODE (6) FEATURE INTERSECTED CSX RR	24520	(104) HIGHWAY SYSTEM Inventory Route is on	NHS
(7) FACILITY CARRIED US301, NC96		(26) FUNCTIONAL CLASS Urban Minor Coll	ector
(9) LOCATION 0.2 MI N JCT US701 &US301		(100) STRAHNET HIGHWAY Not a STRAHNET F	Route
(11) MILEPOINT	0.0	(101) PARALLEL STRUCTURE No parallel structure e	exists
(12) BASE HIGHWAY NETWORK	1	(102) DIRECTION OF TRAFFIC 2-way t	raffic
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 35° 27' 41.1" (17) LONGITUDE 78° 23	3' 21.84"	(103) TEMPORARY STRUCTURE	
(98) BORDER BRIDGE STATE CODE PERCENT SHARED	21.04	(110) DESIGNATED NATIONAL NETWORK - on national network for to	rucks
(99) BORDER BRIDGE STRUCTURE NUMBER		(20) TOLL On Free	Road
CTRUCTURE TYPE AND MATERIAL		(21) MAINT -	
STRUCTURE TYPE AND MATERIAL (43) STRUCTURE TYPE MAIN	Steel	(22) OWNER -	
TYPE Stringer/Multi-beam or girder CODE	302	(37) HISTORICAL SIGNIFICANCE -	
(44) STRUCTURE TYPE APPROACH	002	• •	2225
TYPE CODE		(58) DECK	CODE
	-		
(45) NUMBER OF SPANS IN MAIN UNIT	5	(59) SUPERSTRUCTURE	
(46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE	
(107) DECK STRUCTURE TYPE CODE	1	(61) CHANNEL & CHANNEL PROTECTION	
(108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS	
(A) TYPE OF WEARING SURFACE CODE	6	LOAD RATING AND POSTING ——	CODE
(B) TYPE OF MEMBRANE CODE	0		HS20
(C) TYPE OF DECK PROTECTION CODE	0	(63) OPERATING RATING METHOD - Load F	
AGE AND SERVICE -			HS-13
(27) YEAR BUILT	1926	(65) INVENTORY RATING METHOD -	
(106) YEAR RECONSTRUCTED	1954	(66) INVENTORY RATING	HS-8
(42) TYPE OF SERVICE ON -	lighway	(70) BRIDGE POSTING Posting Req	uired
OFF - Railroad CODE	12	(41) STRUCTURE OPEN, POSTED, OR CLOSED	
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	0	DESCRIPTION Posted for L	.oad
(29) AVERAGE DAILY TRAFFIC	9400	APPRAISAL ————	CODE
(30) YEAR OF ADT 2022 (109) TRUCK ADT PCT	6	(67) STRUCTURAL EVALUATION	
(19) BYPASS OR DETOUR LENGTH	1.0	(68) DECK GEOMETRY	
GEOMETRIC DATA —————		(69) UNDERCLEARANCES, VERT & HORIZ	
(48) LENGTH OF MAXIMUM SPAN	47.0	(71) WATERWAY ADEQUACY	
(49) STRUCTURE LENGTH (50) CURB OR SIDEWALK: LEFT 1.6 RIGHT	189.0 1.6	(72) APPROACH ROADWAY ALIGNMENT	
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB	30.1	(36) TRAFFIC SAFETY FEATURES	01
(52) DECK WIDTH OUT TO OUT	35.4	(113) SCOUR CRITICAL BRIDGES	
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)	31.0	PROPOSED IMPROVEMENTS	
(33) BRIDGE MEDIAN No median CODE	0	(75) TYPE OF WORK	CODE
(34) SKEW 40 (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR	0 999.9	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	30.1	(94) BRIDGE IMPROVEMENT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9	(95) ROADWAY IMPROVEMENT COST	
(54) MIN VERT UNDERCLEAR: REFERENCE R	21.3	(96) TOTAL PROJECT COST	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE R	11.8	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(56) MIN LAT UNDERCLEARANCE LT:	0.0	(114) FUTURE ADT 18,800 YEAR OF FUTURE ADT	20
NAVIGATION DATA		INSPECTION	
(38) NAVIGATION CONTROL - CODE	N	(90) INSPECTION DATE 11/23 (91) FREQUE	
(111) PIER PROTECTION CODE		(92) CRITICAL FEATURE INSPECTION (93) C	CFI DATE
(39) NAVIGATION VERTICAL CLEARANCE	0.0	A) FRACTURE CRIT DETAIL A)	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	B) UNDERWATER INSP B)	
(40) NAVICATION HODIZONTAL CLEADANCE		C) OTHER SPECIAL INSP C)	
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	O) OTTIER OF EGIAL INOI	

			cal							affic	eo			See N	lote Be	low			ر	
Span Number	Facility Carried	Inventory Route	Maximum Minimum Vertica Clearance	Milepoint	Base Highway	LRS Inventory Route	Functional Classification	Number of Lanes	Average Daily Traffic	Year of Average Daily Tra	Total Horizontal Clearand	Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway	Direction of Traffic	National Highway System	National Truck Network
	7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
3	Railroad	80000000		0.0							33.3	R	21.3	11.8	21.5	5				

Superstructure Build Details

Span Number $\underline{1}$

Span Length 38.000

Skew 50.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
10	Other Bearing	Other Bearings	10	Each	Unknown	10
5	Plate Girder	Steel Open Girder/Beam	190	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1560
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1273	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	1140	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		
2	Delineator	Warning Signs	2	Each		
1	Weight Limit	Regulatory Sign	1	Each		

Span Number 2

Span Length 37.500

Skew 50.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1125	Square Feet		
1	Standard Joint	Pourable Joint Seal	40	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	76	Feet		
5	Plate Girder	Steel Open Girder/Beam	190	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1540
10	Other Bearing	Other Bearings	10	Each	Unknown	10
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1257	Square Feet		

Span Number 3

Span Length 47.500

Skew 50.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
5	Plate Girder	Steel Open Girder/Beam	240	Feet	Legacy Red Lead Primer Systems with Various Topcoats	2300
1	Standard Joint	Pourable Joint Seal	40	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1592	Square Feet		
10	Other Bearing	Other Bearings	10	Each	Unknown	10

Superstructure Build Details

I	1	Asphalt Wearing Surface	Wearing Surface	1425	Square Feet	
	2	Concrete Railing	Reinforced Concrete Bridge Railing	96	Feet	

Span Number $\underline{4}$ Span Length $\underline{32.500}$ Skew 50.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
5	Plate Girder	Steel Open Girder/Beam	165	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1230
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1089	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	975	Square Feet		
10	Other Bearing	Other Bearings	10	Each	Unknown	10
2	Concrete Railing	Reinforced Concrete Bridge Railing	66	Feet		
1	Standard Joint	Pourable Joint Seal	40	Feet		

Span Number $\underline{5}$ Span Length $\underline{33.000}$ Skew 50.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
10	Other Bearing	Other Bearings	10	Each	Unknown	10
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1106	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	990	Square Feet		
5	Plate Girder	Steel Open Girder/Beam	165	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1285
1	Weight Limit	Regulatory Sign	1	Each		
1	Standard Joint	Pourable Joint Seal	40	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	66	Feet		
2	Delineator	Warning Signs	2	Each		

Structure Element Scoring

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12		Reinforced Concrete Deck	Deck	6,317	6,297	13	7	0
107		Steel Open Girder/Beam	Beam	950	561	348	9	32
515	107	Steel Protective Coating	Beam	7,915	6,518	974	130	293
205		Reinforced Concrete Column	Piles and Columns	8	0	0	8	0
215		Reinforced Concrete Abutment	Abutments	120	116	2	2	0
234		Reinforced Concrete Pier Cap	Caps	255	203	13	39	0
301		Pourable Joint Seal	Expansion Joints	160	160	0	0	0
316		Other Bearings	Bearing Device	50	5	26	17	2
515	316	Steel Protective Coating	Bearing Device	50	5	1	17	27
331		Reinforced Concrete Bridge Railing	Bridge Rail	380	237	9	134	0
510		Wearing Surface	Wearing Surfaces	5,655	5,615	0	40	0
601		Regulatory Sign	Ground Mounted Signs	2	2	0	0	0
602		Warning Signs	Ground Mounted Signs	4	4	0	0	0

Summary of Maintenance Needs

Maintenance By Defect

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	13 Square Feet
3314	Steel Open Girder/Beam	Damage	1 Feet
3314	14 Steel Open Girder/Beam Corrosion		41 Feet
3348	Reinforced Concrete Column	Delamination/Spall	23 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	44 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	3 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	31 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	15 Feet
3334	Other Bearings	Corrosion	19 Each
3334	Other Bearings	Connection	1 Each
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	1 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	9 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	133 Feet
2816	Wearing Surface	Crack (Wearing Surface)	240 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	720 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	738 Square Feet

Element Structure Maintenance Quantities

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3314	Maintenance Steel Superstructure Components	41	950	32.000	9.000	348.000	561.000
Beam	3342	Clean and Paint Steel	1397	7915	293.000	130.000	974.000	6518.000
Bearing Device	3334	Bridge Bearing	20	50	2.000	17.000	26.000	5.000
Bearing Device	3342	Clean and Paint Steel	45	50	27.000	17.000	1.000	5.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	143	380	0.000	134.000	9.000	237.000
Deck	3326	Maintenance of Concrete Deck	13	6317	0.000	7.000	13.000	6297.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	160	0.000	0.000	0.000	160.000
Ground Mounted Signs	3250	Install or Replace Ground Mounted Signs	0	2	0.000	0.000	0.000	2.000
Ground Mounted Signs	3250	Install or Replace Ground Mounted Signs	0	4	0.000	0.000	0.000	4.000
Wearing Surfaces	2816	Asphalt Surface Repair	40	5655	0.000	40.000	0.000	5615.000
Abutments	3350	Maintenance of Concrete Wings and Wall	3	120	0.000	2.000	2.000	116.000
Caps	3348	Maintenance of Concrete Substructure	46	255	0.000	39.000	13.000	203.000
Piles and Columns	3348	Maintenance of Concrete Substructure	73	8	0.000	8.000	0.000	0.000

pan1			
3314	Beam 1	Plate Girder	
	Deam i	Flate Gildel	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	6	Span 1 Beam 1: PARBEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 1/4 INCHES AVERAGE REMAINING] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGH OF THE DIAPHRAGM. AT THE LOWER CORNER OF THE INTERFACE THERE A HOLE [APPROXIMATELY 1/2 INCHES DIAMETER]. AT THE SAME END IN TH LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 7/16 INCHES REMAINS] FOR APPROXIMATELY 6 FEET LONG. AT THE SAME END IN THE LOWER 3 INCHES OF THE WEB, CORROSION WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 6 FEET LONG.
3314	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 5: PARBEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT (THE DIAPHRAGM.
span2			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 1: PARBEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT (THE DIAPHRAGM.
3314	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 2: PARBEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 3 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT (THE DIAPHRAGM.
Span3			
3326	Deck	Reinforced Co	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
(2)	Delamination/Spall	2	Span 3 Deck: PAR3 FOOT LONG X 15 INCHES WIDE X 2 INCHES DEEP SPAL

Structure Number 500037

WITH EXPOSED REBAR IN UNDERSIDE OF LEFT OVERHANG NEAR MID SPAN. MULTIPLE EXPOSED BARS TRANSVERSE AND LONGITUDINAL HAVE SECTION LOSS WITH 50 PERCENT AREA REMAINING

REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES

2 Assigned Priority Maintenance 3 Assigned Critical Find

3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	4	Span 3 Beam 1: PAR BEAM END AT BENT 3 IN THE LEFT LOWER FLANGE, CORROSION WITH SECTION LOSS DOWN TI KNIFE EDGE [AVERAGE 3/8 INCHES REMAINS FULL WIDTH OF FLANGE] FOR APPROXIMATELY 4 FEET LONG WITH EDGE HOLES UP TO 3/4 INCHES DIAMETER. AT THE SAME END IN THE LOWER 6 INCHES OF THE WEB, CORROSION WITH SECTION LOSS [AVERAGE 1/16 INCHES REMAINS] FOR APPROXIMATELY 4 FEET LONG WITH PERFORATIONS THROUGHOUT.
2	Corrosion	1	Span 3 Beam 1: PARCORROSION AROUND DIAPHRAGM OVER PIER 2- 2 INCHES WIDE WITH 3/8 INCHES AVERAGE REMAINING THICKESS AND 6 INCHES HIGH IN BOTTOM OF WEB 4 FEET LONG. CORROSION IN BOTTOM FLANGE 4 FOOT LONG WITH 7/16 INCH SECTION LOSS WITH 1/2 INCH AVERAGE REMAINING STARTING AT PIER 2
3314	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	5	Span 3 Beam 5: PAR BEAM END AT BENT 3 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM. AT THE SAME END IN THE LOWER LEFT FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 3/4 INCHES AVERAGE REMAINS FULL WIDTH] FOR APPROXIMATELY 5 FEET LONG. AT 1.5 FEET OUT FROM THE SAME END IN THE LOWER 5 INCHES OF THE WEB, CORROSION WITH SECTION LOSS [AVERAGE 1/8 INCHES REMAINS] FOR APPROXIMATELY 3 FEET LONG.
Span4			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 4 Beam 1: PARBEAM END AT BENT 3 IN THE LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS FULL WIDTH OF FLANGE] FOR APPROXIMATELY 3 FEET LONG.
3334	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 4 Near Bearing 2: PARUP TO 50 PERCENT SECTION LOSS ON LEFT ANCHOR BOLT
2	Corrosion	1	Span 4 Beam 2: PARSECTION LOSS IN BOTTOM FLANGE UP TO 1/4 INCHES WITH 1/2 INCHES AVERAGE REMAINING FULL WIDTH 9 INCHES LONG AT BEAM END OVER PIER 3.
2	Corrosion	1	Span 4 Beam 2: PARBEAM END AT BENT 4 AT THE INTERFACE WITH THE

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

Structure Number 500037

REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.

2 Assigned Priority Maintenance 3 Assigned Critical Find

3314	Beam 3	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 4 Beam 3: PARBEAM END AT BENT 4 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH SECTION LOSS [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM. BEAM END HAS BEEN PAINTED WITH NO ACTIVE CORROSION
3334	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 4 Near Bearing 5: PARBEARING LATERAL RETROFIT PLATE ON LEFT SIDE OF BEARING WITH EXPOSED BENT ANCHOR BOLT DUE TO SPALL IN CAP
2	Corrosion	1	Span 4 Beam 5: PARSECTION LOSS UP TO 3/8 INCHES WITH 3/8 INCHES AVERAGE REMAINING FULL WIDTH OF BOTTOM FLANGE 1 FEET LONG ON BEAM END OVER PIER 3. BEAM END HAS BEEN CLEANED AND PAINTED WITH ACTIVE SURFACE CORROSION. PLATE REPAIR ADDED BUT DOES NOT EXTEND OUT TO DEFECT.
Span5			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 5 Beam 1: PAR1/4 INCH SECTION LOSS WITH 3/8 INCHES AVERAGE REMAINING FULL WIDTH OF BOTTOM FLANGE. BEAM END HAS BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT. BOLTED REPAIR REPAIR PLATE ADDED AND DOES NOT EXTEND UNDER DEFECT AT PIER 4.
3314	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 5 Beam 2: PAR1 FEET LONG X 2 INCHES WIDE AREA OF PREVIOUS CORROSION WITH 1/4 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 4 AREA HAS BEEN PAINTED OVER AND ARRESTED.
3314	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	4	Span 5 Beam 5: PARBEAM END AT BENT 4 IN THE LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 1/4 INCHES AVERAGE REMAINS FULL WIDTH] FOR APPROXIMATELY 4 FEET LONG. AT THE SAME END IN THE LOWER 4 INCHES OF THE WEB, CORROSION WITH 100 PERCENT SECTION LOSS WITH 1 INCH X 1/2 INCH HOLE 2 FEET FROM BEAM END [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 4 FEET LONG.

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

Structure Number 500037

Bent 3

3348	Pile 2	Reinforced Concrete Column				
Priority Level	Defect Type	Quantity	Defect Description			
2	Cracking (RC and	4	Bent 3 Pile 2: PARSOUTHEAST CORNER, SPALLING WITH EXPOSED REBAR [APPROXIMATELY 4 FEET HIGH X UP TO 1.25 FEET WIDE X UP TO 3 INCHES DEEP]			
2	Delamination/Spall	3	Bent 3 Pile 2: PARSPALL WITH EXPOSED REBAR AND BROKEN HORIZONTAL TIE 3 FOOT X 1 FOOT X 4 INCHES DEEP IN NORTHEAST CORNER MID HEIGHT WITH SECTION LOSS			

Element Condition and Maintenance Data

Otractare	14dHbCl. <u>300037</u>					1114	spection	Date. 11/03/2023
Spa	n 1	Deck						
Rei	nforced Concrete	Deck						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	1,273	1,273	0	0	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect De	scription		cs	CS Qty	Maint Qty	
√ 12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRA OVERHANG AT 12 FEET FRO		RIGHT	1	2		Square Feet
	General Comments							

Spa	an 1	Beam 1						
Pla	te Girder							
	ement ımber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	38	0	32	0	6 F	eet
515	Steel Pro	otective Coating	312	220	30	50	12 S	Square Feet
Eleme Numb	Defeat Time	Defect Description			cs	CS Qty	Maint Qty	
☑ 107	Corrosion	PAR-BEAM END AT BENT 1 AT THE INT THE REINFORCED CONCRETE DIAPHR A BAND OF CORROSION UP TO 3 INCH SECTION LOSS [AVERAGE 1/4 INCHES REMAINING] FOR APPROXIMATELY 1 F TO THE FULL HEIGHT OF THE DIAPHRALOWER CORNER OF THE INTERFACE THOLE [APPROXIMATELY 1/2 INCHES DITHE SAME END IN THE LOWER FLANGIWITH SECTION LOSS [AVERAGE 7/16 IN REMAINS] FOR APPROXIMATELY 6 FEE SAME END IN THE LOWER 3 INCHES OF CORROSION WITH SECTION LOSS [AVERAGE 1/4 INCHES REMAINS] FOR APPROXIMATEL LONG.	AGM, THE ES WIDE \ AVERAGE EET LONG AGM. AT T THERE IS A AMETER]. E, CORRO ICHES T LONG. A F THE WE ERAGE 3/8	ERE IS WITH E S X UP HE A AT PSION AT THE B, 3	4	6	6	Feet
√ 107	Corrosion	CORROSION ON BOTTOM FLANGE WIT MEASURABLE SECTION LOSS EXTEND FROM THE END AT BENT 1		ĒΤ	2	4		Feet
√ 107	Corrosion	SURFACE CORROSION BOTTOM FLANG AT END BENT 1	GE WEST	FACE	2	1		Feet
√ 107	Corrosion	SURFACE CORROSION ON BOTH EDGE FLANGE FULL LENGTH	S OF TOP	0	2	23		Feet
√ 107	Corrosion	SURFACE CORROSION ON BOTTOM FLEXTENDING UP TO 10 FOOT FROM BEN			2	4		Feet
√ 515	Effectiveness (Steel Protective Coatings)	INEFFECTIVE PROTECTIVE COATING OF FLANGE AND WEB AT BENT 1	N BOTTO	М	4	12	12	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	50	50	Square Feet
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	k 30 SQUARE FEET OF PEELING PAINT (AND WEB, MAINLY EAST FACE NEAR B RANDOM			2	30	30	Square Feet
	General Comments							

Spa	an 1			Beam 2						
Pla	te Girder									
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Ope	en Girder/Beam		38	37	1	0	0	Feet
515		Steel Pro	tective Coating		312	310	0	0	2	Square Feet
Elemei Numbe	Dofoct 1	Гуре		Defect Description			cs	CS Qty	Maint Qty	
√ 107	Corrosion		REINFORCED CON BAND OF CORROS 1/16 INCH SECTION REMAINS] FOR AP	IT 1 AT THE INTERFAI ICRETE DIAPHRAGM, BION UP TO 1 INCHES N LOSS [AVERAGE 1/2 PROXIMATELY 1 FEE BHT OF THE DIAPHRA	THERE IS WIDE WI 2 INCHES T LONG X	S A TH	2	1		Feet
√ 515	Effectiveness Protective Co	`	COATING HAS FAI	LED			4	2	2	2 Square Feet
	General Comr	nents								

Spa	an 1	Beam 3						
Pla	te Girder							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	38	31	6	1	0 F	eet
515 Steel Pr		otective Coating	312	275	30	5	2 Square Feet	
Eleme Numb	Dofoot Tymo	Defect Descript	Defect Description			CS Qty	Maint Qty	
√ 107	Corrosion	BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH 1/8 SECTION LOSS [AVERAGE 7/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.			3	1	1	Feet
√ 107	Corrosion	SURFACE CORROSION BOTTOM C		ANGE	2	5		Feet
√ 107	Corrosion	SURFACE CORROSION ON BOTTO	OM FLANGE AT	BENT	2	1		Feet
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMIT ON BOTTOM FLANGE AT BENT 1	ED EFFECTIVE	NESS	4	2	2	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	5	5	Square Feet
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	SQUARE FEET OF PEELING PA AND WEB AT RANDOM	INT ON FLANG	ES	2	30	30	Square Feet
	General Comments							

Span 1		Beam 4						
Plate Gi	rder							
Element Number	Element N	ame	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	l	38	37	0	1	0	Feet
515	Steel Protective Coating		312	280	30	0	2	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure I	Number: <u>500037</u>			Insped	ction Da	te: 11/03/2023
107	Corrosion	BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH 1/8 SECTION LOSS [AVERAGE 7/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.	3	1	1	Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED	4	2	2	Square Feet
√ 515		30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB AT RANDOM	2	30	30	Square Feet

General	Comments
---------	----------

Spa	n 1	Beam 5						
Plat	e Girder							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam	38	22	15	0	1	Feet
515	Steel Pro	tective Coating	312	250	30	0	32	Square Feet
Elemen	Dofoot Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
<u>√</u> 107	Corrosion	PARBEAM END AT BENT 1 AT THE REINFORCED CONCRETE IS A BAND OF CORROSION UP TO SECTION LOSS [AVERAGE 3/16] FOR APPROXIMATELY 1 FEET LIFULL HEIGHT OF THE DIAPHRAGE	DIAPHRAGM, THE 2 INCHES WIDE \ INCHES REMAINS ONG X UP TO TH	ERE IS WITH S]	4	1	1	Feet
/ 107	Corrosion	SURFACE CORROSION ON EDG BOTH SIDES AT RANDOM WHER			2	15		Feet
515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED			4	32	32	Square Feet
515	Peeling/Bubbling/Crack ing (steel Protective	30 SQUARE FEET OF PEELING AND WEB AT RANDOM	PAINT ON FLANG	SES	2	30	30	Square Feet

Spa	an 1	Left Bridge Rail						
Co	ncrete Railing							
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	38	27	0	11	0 F	eet
Eleme Numb	Dofoct Typo	Defect Description	1		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANSVER CRACKING IN CURB PORTION OF RA	-,		3	10	10	Feet
✓ 331	Delamination/Spall	4 INCHES DIAMETER X 1 INCHES DEE EXPOSED REBAR NO LOSS AT END F SOUTHWEST CORNER	_	ITH	3	1	1	Feet
	General Comments							

Spa	an 1	Right Bridge	Rail					
Co	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinf	forced Concrete Bridge Railing	38	25	1	12	0 F	eet
Eleme Numbe	Dofoct Typo	Defect Descrip	tion		CS	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANS\ CRACKING IN CURB PORTION OF			3	12	12	Feet
√ 331	Delamination/Spall	3 INCHES X 1 INCHES X 1/2 INCHE EXPOSED REBAR NO LOSS IN TO GUARDRAIL ATTACHMENT		WITH	2	1	1	Feet
	General Comments	1						

Spa	an 1		Ne	ear Bearing 1						
Oth	er Bea	ring								
	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 Pro	otective Coating		1	0	0	0	1	Square Feet
Elemen Numbe		efect Type	D	efect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosi	ion	CORROSION WITH N	O MEASURABLE SE	CTION L	OSS	3	1	-	Each
√ 515		veness (Steel tive Coatings)	COATING HAS FAILE	D			4	1		1 Square Feet
	General	Comments								

Spa	Span 1			Far Bearing 1						
Oth	ner Bea	ring								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	D	efect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	16 Corrosion CORROSION WIT			H NO MEASURABLE S	SECTION LO	OSS	2	1		Each
√ 515	15 Effectiveness (Steel PAINT FAILED Protective Coatings)						4	1		1 Square Feet
	General	Comments								

Span 1		Far Bearing 2						
Other Bea	ring							
Element Number	Element Nam	9	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	1	0	0	Each
515	Steel Protective Coating		1	0	0	1	0	Square Feet
Element Number	efect Type	Defect Description			cs	CS Qty	Maint Qty	
✓ 316 Corros	ion SURFACE CORF	ROSION			2	1		Each

3

1 Square Feet

COATING STARTING TO FAIL

515 Effectiveness (Steel Protective Coatings)

Spar		Far Bearing	g 3					
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
√ 316	Corrosion	CORROSION WITH NO MEASUR	RABLE SECTION LO	OSS	2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILED			4	1		1 Square Feet
(General Comments							

Spa	ın 1	Near	Bearing 4					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	r Bearings	1	0	1	0	0	Each
515	Steel	Protective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defe	ct Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SURFACE CORROSION			2	1		Each
√ 515	Effectiveness (Stee Protective Coatings		FAIL		3	1		1 Square Feet
-	General Comments	1						

Spa	ın 1	Far Bearin	ng 4					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	rotective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SURFACE CORROSION			2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)				4	1		1 Square Feet
•	General Comments							

Spa	ın 1	Ne	ar Bearing 5					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	er Bearings	1	0	1	0	0	Each
515	Stee	el Protective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	De	efect Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SURFACE CORROSIO	N		2	1		Each
√ 515	Effectiveness (Ste Protective Coating		TO FAIL		3	1		1 Square Feet
•	General Comment	s						

Spa	ın 1		F	ar Bearing 5						
Oth	er Beari	ing								
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pr	otective Coating		1	0	0	1	0	Square Feet
Elemen Numbe	TO F	fect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosio	n	CORROSION WITH	NO MEASURABLE S	ECTION L	oss	2	1		Each
√ 515		ness (Steel re Coatings)					3	1		1 Square Feet
-	General C	Comments								

Spa	an 2	Beam 1						
Pla	te Girder							
	ment mber	Element Name		CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	38	31	6	0	1 F	eet
515	Steel P	rotective Coating	308	263	30	10	5 8	Square Feet
Eleme Numbe	Dofoot Tymo						Maint Qty	
√ 107	Corrosion	PARBEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.				1	1	Feet
√ 107	Corrosion	1 FEET OF CORROSION WITH 1/2 IN SECTION IN BOTTOM FLANGE AND REMAINING SECTION IN WEB AROU DIAPHRAGM AT BENT 2 HAS BEEN PAINTED OVER WITH ACTIVE CORF	7/16 INCHES JND END PREVIOUSLY	NING	2	1		Feet
√ 107	Corrosion	5 FEET OF SURFACE CORROSION FLANGE NEAR BENT 2	ON BOTTOM		2	5		Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED			4	5	5	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	10	10	Square Feet

Structure Number: 500037 Inspection Date: <u>11/03/2023</u>

Peeling/Bubbling/Crack PEELING PAINT ON FLANGES AND WEB ing (steel Protective Coatings)

General Comments		

2

30

30 Square Feet

Plate	e Girder							
Elen Nun 107	nber	Element Name Steel Open Girder/Beam		CS1 Qty 21	CS2 Qty 16	CS3 Qty	CS4 Qty	-eet
515	·	otective Coating			30	0		Square Feet
Elemen	Defeat Tyme	tion		cs	CS Qty	Maint Qty		
107	Corrosion	PARBEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 3 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.				1	1	Feet
107	Corrosion	1 FEET OF PITTING 1/16 INCHES AROUND END DIAPHRAGM AT BE PAINTED		l	2	1		Feet
107	Corrosion	SURFACE CORROSION ALONG BORANDOM	OTTOM FLANGE	E AT	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMIT ALONG BOTTOM FLANGE AT RAN		NESS	4	30	30	Square Feet
515	Peeling/Bubbling/Cracing (steel Protective Coatings)	k PEELING PAINT ON FLANGES ANI		2	30	30	Square Feet	

Spa	an 2	В	eam 3					
Plat	te Girder							
Nui	ment mber	ber Element Name		CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	. ,
107		Steel Open Girder/Beam	38	36	1	1	0 F	eet
515		Steel Protective Coating	308	278	30	0	0 8	Square Feet
Elemer Numbe	Dofoot T	ype I	Defect Description		cs	CS Qty	Maint Qty	
√ 107	Corrosion	BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH 1/8 SECTION LOSS [AVERAGE 7/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.				1	1	Feet
√ 107	Corrosion	REMAINING SECTIO	US CORROSION WITH 7/16 IN IN WEB AROUND END NT 2 HAS BEEN PAINTED OV		2	1		Feet
√ 515	Peeling/Bubbling (steel Proto Coatings)	ing/Crack PEELING PAINT ON lective	FLANGES AND WEB		2	30	30	Square Feet
	General Comm	nents						

an 2		Beam 4						
te Girder								
ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
\$	Steel Open Girder/Beam		38	36	1	1	0 1	=eet
5	Steel Protective Coating		308	276	30	2	0 \$	Square Feet
nt er Defect Ty	/pe	Defect Description	ion		cs	CS Qty	Maint Qty	
Corrosion	REMAINING SEC	TION IN WEB ARO	UND END	CHES	3	1	1	Feet
Corrosion	_	-			2	1		Feet
		ING TO FAIL			3	2	2	Square Feet
		ON FLANGES AND	WEB		2	30	30	Square Feet
t	ment mber Total Defect Ty Corrosion Effectiveness (Protective Coar Peeling/Bubblir ing (steel Prote	ment steel Open Girder/Beam Steel Open Girder/Beam Steel Protective Coating Total Defect Type Corrosion 1 FEET OF PREV REMAINING SECT DIAPHRAGM AT EVEN DIAPHRAGM Effectiveness (Steel Protective Coatings) Peeling/Bubbling/Crack PEELING PAINT Cing (steel Protective	ment mber Element Name Steel Open Girder/Beam Steel Protective Coating Total Defect Type Defect Description Corrosion 1 FEET OF PREVIOUS CORROSION REMAINING SECTION IN WEB ARO DIAPHRAGM AT BENT 2 HAS BEEN Corrosion 1 FEET OF PAINTED OVER PITTING INCHES DEEP IN WEB AROUND BE DIAPHRAGM Effectiveness (Steel Protective Coatings) Peeling/Bubbling/Crack PEELING PAINT ON FLANGES AND ing (steel Protective	ment Element Name Qty Steel Open Girder/Beam 38 Steel Protective Coating 308 Total Qty Steel Open Girder/Beam 38 Steel Protective Coating 308 Total Qty Steel Open Girder/Beam 38 Steel Protective Coating 308 Total Qty Steel Protective Coating 308 Total Qty Steel Protective Coating 38 Total Qty Steel Protective Coating 38 Total Qty Steel Protective Coating 308 Telefect Description Steel Protective Coating 308 Telefect Description Steel Protective Coating 308 Total Qty Steel Protective Coating 308 Telefect Description Steel Protective Coating 308	ment Element Name Qty Qty Steel Open Girder/Beam 38 36 Steel Protective Coating 308 276 Total CS1 Qty Qty Steel Open Girder/Beam 38 36 Steel Protective Coating 308 276 Total CS1 Qty Qty Steel Open Girder/Beam 38 36 Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Open Girder/Beam 38 36 Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Protective Coating 308 276 Total CS1 Remark Name Qty Qty Steel Protective Coating 308 276 Total CS1 Remark Name	ment Element Name Qty Qty Qty Steel Open Girder/Beam 38 36 1 Steel Protective Coating 308 276 30 Total CS1 CS2 Qty Qty Qty Steel Open Girder/Beam 38 36 1 Steel Protective Coating 308 276 30 Total CS1 CS2 Qty Qty Qty Steel Open Girder/Beam 38 36 1 Steel Protective Coating 308 276 30 Total CS1 CS2 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel Protective Coating 308 276 30 Total CS1 CS2 Steel CS1 CS2 CATING TO FAIL 30 Total CS1 CS2 Steel CS1 CS2 CATING TO FAIL 30 Total CS1 CS2	ment Element Name Qty Qty Qty Qty Qty Steel Open Girder/Beam 38 36 1 1 1 Steel Protective Coating 308 276 30 2 Total CS1 CS2 CS3 CS Qty Steel Open Girder/Beam 38 36 1 1 1 Steel Protective Coating 308 276 30 2 Total Defect Type Defect Description CS CS Qty Corrosion 1 FEET OF PREVIOUS CORROSION WITH 7/16 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 2 HAS BEEN PAINTED Corrosion 1 FEET OF PAINTED OVER PITTING UP TO 1/16 INCHES DEEP IN WEB AROUND BENT 1 END DIAPHRAGM Effectiveness (Steel Protective Coatings) Peeling/Bubbbling/Crack PEELING PAINT ON FLANGES AND WEB 2 30 ing (steel Protective	Total CS1 CS2 CS3 CS4 CS2 CS3 CS4 CS2 CS3 CS4 CS4 CS2 CS3 CS4 CS

Spa	an 2	Beam 5					
Pla	te Girder						
Nu	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel O	pen Girder/Beam	38	16	21	1	0 Feet
515	Steel Pr	otective Coating	308	238	0 0 70		70 Square Feet
Eleme	Dofoot Typo	Defect Description				CS Qty	Maint Qty
√ 107	Corrosion BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH 1/8 SECTION LOSS [AVERAGE 7/16 INCHES REMAINS FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.				3	1	1 Feet
√ 107	Corrosion	1 FEET OF PREVIOUS CORROSION WITH 1/2 INCHES X FULL WIDTH REMAINING SECTION IN BOTTOM FLANGE AND 7/16 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 2 HAS BEEN PAINTED WITH ACTIVE SURFACE CORROSION.				1	Feet
√ 107	Corrosion	SURFACE CORROSION ALONG TO EDGES AT RANDOM WHERE PAINT			2	20	Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			4	40	40 Square Feet
√ 515	Peeling/Bubbling/Crading (steel Protective Coatings)	CK PEELING PAINT ON FLANGES AND	WEB		4	30	30 Square Feet
	Canaral Cammanta						

Spa	an 2	Left Bridge I	Rail					
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ced Concrete Bridge Railing	38	28	0	10	0 Feet	
Elemer Numbe	Dofoot Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANS CRACKING IN CURB PORTION OF			3	10	10 Fe	et
	General Comments							

n 2	Right Bridge	e Rail					
crete Railing							
nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinfor	ced Concrete Bridge Railing	38	26	0	12	0 Feet	
t Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
Cracking (RC and Other)				3	12	12 Feet	
	nent Reinfor Reinfor Defect Type Cracking (RC and	crete Railing nent liber Element Name Reinforced Concrete Bridge Railing Defect Type Defect Descri Cracking (RC and UP TO 1/16 INCHES WIDE TRANS	rent Blement Name Qty Reinforced Concrete Bridge Railing 38 Defect Type Defect Description Cracking (RC and UP TO 1/16 INCHES WIDE TRANSVERSE/MAP	rent Element Name Qty Qty Reinforced Concrete Bridge Railing 38 26 Defect Type Defect Description Cracking (RC and UP TO 1/16 INCHES WIDE TRANSVERSE/MAP	rent Blement Name Cty	rent Blement Name Reinforced Concrete Bridge Railing 38 26 0 12 Defect Type Defect Description CS CS Qty Cracking (RC and UP TO 1/16 INCHES WIDE TRANSVERSE/MAP 3 12	rent Element Name Qty Qty Qty Qty Qty Qty Qty Reinforced Concrete Bridge Railing 38 26 0 12 0 Feet Defect Type Defect Description CS CS Qty Maint Qty Cracking (RC and UP TO 1/16 INCHES WIDE TRANSVERSE/MAP 3 12 12 Feet

Spa	an 2	Near Bearii	ng 1					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	rotective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION WITH NO MEASUR	ABLE SECTION LO	OSS	2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS OF P	ROTECTIVE COAT	ING	3	1		1 Square Feet
	General Comments							

Spa	an 2	Far Be	aring 1					
Oth	ner Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other	Bearings	1	0	1	0	0	Each
515	Steel I	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defect	Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION WITH SECTION THAN 75 PERCENT REMAI		?	2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILED			4	1	•	1 Square Feet
	General Comments							

							•	
Spa	an 2	Near Bearin	ıg 2					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other I	Bearings	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SURFACE CORROSION			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1	,	Square Feet
	General Comments							

Spa	ın 2			Far Bearing 2						
Oth	er Bear	ing								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemen Numbe		fect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosic	on	SURFACE RUST P	PRESENT			2	1		Each
√ 515		eness (Steel ve Coatings)	COATING STARTII	NG TO FAIL			4	1		1 Square Feet
•	General (Comments								

Spa	an 2			Near Bearing 3						
Oth	er Bearing									
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Bearing	ngs		1	0	1	0	0	Each
515		Steel Protec	tive Coating		1	0	0	1	0	Square Feet
Elemer Numbe	Dofoot :	Гуре		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SI	JRFACE CORRC	SION			2	1		Each
√ 515	Effectiveness Protective Co	`	MITED EFFECTI	VENESS OF PROTECT	IVE COAT	ING	3	1		1 Square Feet
	General Com	nents								

Span Other	2 r Bearing	I	Far Bearing 3						
Eleme Numb		Element Name	•	Total Qty	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty	
515		Steel Protective Coating		1	0	0	0	1	Square Feet
Element Number	Defect Corrosion	: Type SURFACE RUST	Defect Description			CS 2	CS Qty	Maint Qty	Each

Structure Number: 500037 Inspection Date: <u>11/03/2023</u>

√ 515 Effectiveness (Steel Protective Coatings)

PAINT FAILED

1 Square Feet 4

General Comments

Spa	n 2	Near Bearin	ng 4					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descr	ription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SURFACE CORROSION			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS OF PR	ROTECTIVE COAT	ING	3	1		1 Square Feet

Spa	ın 2		Far Bearing 4						
Oth	er Bearing								
	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other I	Bearings		1	0	0	1	0	Each
515	Steel F	Protective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosion	SURFACE RUST				3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILED				4	1		1 Square Feet
-	General Comments								

Spa	an 2			Near Bearing 5						
Oth	er Bearing									
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	1	0	0	Each
515		Steel Pro	tective Coating		1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct	Гуре		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosion		SURFACE CORRO	DSION			2	1		Each
√ 515	Effectiveness Protective Co		PROTECTIVE COA	ATING HAS LIMITED EF	FECTIVE	NESS	3	1		1 Square Feet
	General Com	ments								

							•	
Spa	n 2	Far Bearin	ng 5					
Oth	er Bearing							
	ment nber	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
Elemen Numbe	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION WITH SECTION L THAN 75 PERCENT REMAINING			3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILED			4	1		1 Square Feet
-	General Comments							

	ced Concrete	20011						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	1,592	1,590	0	2	0	Square Feet
lement lumber	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
12 Del	amination/Spall	PAR3 FOOT LONG X 15 INCH DEEP SPALL WITH EXPOSED OF LEFT OVERHANG NEAR M EXPOSED BARS TRANSVERS HAVE SECTION LOSS WITH 50 REMAINING	REBAR IN UNDERS ID SPAN. MULTIPL E AND LONGITUDII	SIDE .E	3	2	2	2 Square Feet

Spar	າ 3	Ве	am 1					
Plate	Girder							
Elem Num 107		Element Name Steel Open Girder/Beam	Total Qty 48	CS1 Qty 28	CS2 Qty 15	CS3 Qty	CS4 Qty	
515		Steel Protective Coating	460	390	0	30	40	_
Element Number	Defect	Type D	efect Description		cs	CS Qty	Maint Qty	
√ 107	Corrosion	FLANGE, CORROSION KNIFE EDGE [AVERAC WIDTH OF FLANGE] F LONG WITH EDGE HO DIAMETER. AT THE S INCHES OF THE WEB LOSS [AVERAGE 1/16	BENT 3 IN THE LEFT LOWE N WITH SECTION LOSS DO GE 3/8 INCHES REMAINS FI FOR APPROXIMATELY 4 FE DLES UP TO 3/4 INCHES AME END IN THE LOWER 6 I, CORROSION WITH SECTI INCHES REMAINS] FOR EET LONG WITH PERFORA	WN TI ULL EET ON	4	4		4 Feet
107	Corrosion	2- 2 INCHES WIDE WI REMAINING THICKES BOTTOM OF WEB 4 F BOTTOM FLANGE 4 F	ROUND DIAPHRAGM OVER TH 3/8 INCHES AVERAGE IS AND 6 INCHES HIGH IN EET LONG. CORROSION IN OOT LONG WITH 7/16 INCH 1/2 INCH AVERAGE REMA	N 1	4	1		1 Feet

2

15

Feet

SURFACE RUST ON TOP AND BOTTOM FLANGES AT

VARIOUS LOCATIONS ALONG BEAM.

√ 107

Corrosion

Structure I	Number: <u>500037</u>			Inspec	tion Date: 11/03/2023
√ 515	Effectiveness (Steel Protective Coatings)	5 SQUARE FEET OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AND WEB AT BENT 3	4	10	10 Square Feet
√ 515		30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	4	30	30 Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	30	30 Square Feet

Spai	n 3	Beam 2						
Plate	e Girder							
Elen Num 107	ber	Element Name en Girder/Beam	Total Qty 48	CS1 Qty 20	CS2 Qty 28	CS3 Qty 0	CS4 Qty	-eet
515	Steel Prof	ective Coating	460	388	50	10	12	Square Feet
Element Number	Dafaat Tuna	Defect Descri	ption		cs	CS Qty	Maint Qty	
107	Corrosion	1 FEET OF ACTIVE CORROSION REMAINING SECTION IN WEB AR DIAPHRAGM AT BENT 2	ES .	2	1	·	Feet	
107	Corrosion	FRECKLED RUST ON WEB AT RANDOM				10		Feet
107	Corrosion	SURFACE CORROSION OF WEB FLANGE AT BENT 3	AND BOTTOM		2	5		Feet
107	Corrosion	SURFACE RUST ON TOP AND BO VARIOUS LOCATIONS ALONG BE		S AT	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMI AT WEB AND BOTTOM FLANGE A		NESS	4	12	12	Square Feet
515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE		2	20	20	Square Feet	
515	Peeling/Bubbling/Crack ing (steel Protective Coatings)	30 SQUARE FEET OF PEELING P AND WEB	AINT ON FLANGI	ΞS	2	30	30	Square Feet

Spa	n 3		Beam 3						
Plat	e Girder								
	nent nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Open Girder/Beam		48	19	29	0	0	Feet
515		Steel Protective Coating		460	398	30	20	12	Square Feet
Elemen Numbe	Dofoot	Туре	Defect Description			cs	CS Qty	Maint Qty	
√ 107	Corrosion		E CORROSION WITH ION IN WEB AROUNI ENT 2		S	2	1		Feet
√ 107	Corrosion	AVERAGE REMAII BOTTOM FLANGE SECTION IN BOTT	E CORROSION WITH NING SECTION FULL AND 9/16 INCHES R OM 6 INCHES 3 FEE PHRAGM AT BENT 3	WIDTH IN EMAINING T LONG IN		2	3		Feet
√ 107	Corrosion		CE CORROSION ON VER WEB NO MEASU FBENT 3			2	5		Feet

Structure I	Number: <u>500037</u>			Inspe	ction Date: 11/03/2023
✓ 107	Corrosion	SURFACE CORROSION OF BOTTOM FLANGE AT RANDOM WHERE PAINT HAS PEELED	2	20	Feet
√ 515	Effectiveness (Steel Protective Coatings)	5 SQUARE FEET OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AND WEB AT BENT 3	4	12	12 Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	20	20 Square Feet
√ 515		30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	2	30	30 Square Feet

Span	13	Beam 4						
Plate	Girder							
Elem Numi		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam	48	46	2	0	0 F	eet
515	Steel Pro	tective Coating	460	428	30	1	1 9	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
] 107	Corrosion		FEET OF ACTIVE CORROSION WITH 9/16 INCHES EMAINING SECTION IN WEB AROUND END IAPHRAGM AT BENT 3			1		Feet
107	Corrosion	1 FEET OF SURFACE CORROS END DIAPHRAGM AT BENT 2	SION ON WEB ARO	UND	2	1		Feet
	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED			4	1	1	Square Feet
	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1	1	Square Feet
_	Peeling/Bubbling/Crack ing (steel Protective Coatings)	30 SQUARE FEET OF PEELING AND WEB	PAINT ON FLANG	ES	2	30	30	Square Feet

Span 3	3		Beam 5						
Plate 0	Girder								
Elemer Numbe		Eleme	ent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	9	Steel Open Girder/E	Beam	48	40	0	3	5	Feet
515	5	Steel Protective Co	ating	460	419	0	0	41	Square Feet
Element Number	Defect T	уре	Defect Desc	cription		cs	CS Qty	Maint Qty	
√ 107 Co	orrosion	THE REI A BAND SECTIOI FOR API FULL HE IN THE L SECTIOI REMAIN LONG. A LOWER SECTIOI	EAM END AT BENT 3 AT NFORCED CONCRETE OF CORROSION UP TO N LOSS [AVERAGE 5/16 PROXIMATELY 1 FEET IGHT OF THE DIAPHRA OWER LEFT FLANGE, N LOSS [AVERAGE 3/4 I S FULL WIDTH] FOR AF T 1.5 FEET OUT FROM 5 INCHES OF THE WEE N LOSS [AVERAGE 1/8 I IMATELY 3 FEET LONG	DIAPHRAGM, THE D 2 INCHES WIDE V S INCHES REMAINS LONG X UP TO THE AGM. AT THE SAME CORROSION WITH INCHES AVERAGE PPROXIMATELY 5 F THE SAME END IN B, CORROSION WITH INCHES REMAINS]	RE IS VITH S] E E END I FEET I THE	4	5		5 Feet

Structure	Number: <u>500037</u>			Insped	ction D	ate: 11/03/2023
√ 107	Corrosion	CORROSION AT PIER 2-3 FEET LONG ON BOTTOM FLANGE WITH 3/16 INCH LOSS WITH 3/4 INCH AVERAGE REMAINING FULL WIDTH AND WEB 1 FOOT LONG BELOW DIAPHRAGM 1/8 INCH LOSS WITH 1/2 INCH AVERAGE REMAINING	3	3	3	Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED	4	5	5	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED	4	6	6	Square Feet
√ 515	Peeling/Bubbling/Cracling (steel Protective Coatings)	30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	4	30	30	Square Feet
	General Comments					

Spa	an 3	Left Bridge R	ail					
Coi	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfo	orced Concrete Bridge Railing	48	27	1	20	0 F	eet
Elemei Numbe	Dofoct Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANSV CRACKING IN CURB PORTION OF	,		3	20	20	Feet
√ 331	Delamination/Spall	3 INCHES X 3/4 INCHES X 1/4 INCH WITH EXPOSED REBAR NO LOSS 15 FEET FROM BENT 2		-	2	1	1	Feet
	General Comments							

Spa	an 3	Right Bridge	Rail					
Co	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfo	orced Concrete Bridge Railing	48	32	1	15	0 F	eet
Eleme Numbe	Dofoct Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANSV CRACKING IN CURB PORTION OF			3	15	15	Feet
√ 331	Delamination/Spall	3 INCHES X 1 INCHES X 1/2 INCHE EXPOSED REBAR NO LOSS IN FAC BENT 2			2	1	1	Feet
	General Comments							

Spa	ın 3	Near Bearing	1					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descript	tion		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION WITH SECTION LOSS THAN 75 PERCENT REMAINING	WITH GREATER	8	2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1		1 Square Feet

Spa	an 3		Far Bearing	1					
Oth	er Bearing								
	ment mber	Element	Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	(Other Bearings		1	0	1	0	0	Each
515	Ş	Steel Protective Coatin	g	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot T	ype	Defect Descr	iption		cs	CS Qty	Maint Qty	
✓ 316	Corrosion		N WITH SECTION LO	SS WITH GREATER		2	1		Each
√ 515	Effectiveness (Protective Coa		AILED			4	1		1 Square Feet
	General Comm	ents							

Spa	an 3			Near Bearing 2						
Oth	ner Be	earing								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	1	0	Square Feet
Elemei Numbe		Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 316	Corre	osion	LIGHT SURFACE F	RUST			2	1		Each
√ 515		ctiveness (Steel ective Coatings)	PROTECTIVE COA	ATING FAILING			3	1		1 Square Feet
	Gene	ral Comments								

Spa	an 3	Far Bearing 2						
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	searings	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct Typo	Defect Description	on		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	LIGHT SURFACE RUST			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING FAILING			3	1		1 Square Feet
	General Comments							

Spa	an 3		N	lear Bearing 3						
Oth	ner Bearing									
	ement mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pr	otective Coating		1	0	0	1	0	Square Feet
Elemei Numbe	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
√ 316	Corrosion		LIGHT SURFACE RU	JST			2	1		Each
√ 515	Effectivenes Protective C		PROTECTIVE COAT	ING FAILING			3	1		1 Square Feet
	General Com	ments								

Spa	ın 3			Far Bearing 3						
Oth	er Bea	aring								
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	1	0	Square Feet
Elemen Numbe	г	Defect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corros	sion	LIGHT SURFACE F	RUST			2	1		Each
√ 515		iveness (Steel ctive Coatings)	PROTECTIVE COA	TING FAILING			3	1		1 Square Feet
•	Genera	al Comments								

Spa	an 3			Near Bearing 4						
Oth	er Be	earing								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	1	0	Square Feet
Elemer Numbe		Defect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corr	osion	LIGHT SURFACE I	RUST			2	1		Each
√ 515		ctiveness (Steel ective Coatings)	PROTECTIVE COA	ATING FAILING			3	1	•	I Square Feet
	Gene	ral Comments								

Span 3 Other B	earing	Far Bearing 4	Ĺ					
Element Number 316		Name	Total Qty	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty	
515	Steel Protective Coati	ng	1	0	0	1	_	Square Feet
Element Number	Defect Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
316 Cor	rosion LIGHT SUR	FACE RUST			2	1		Each

Structure Number: 500037 Inspection Date: <u>11/03/2023</u>

Effectiveness (Steel Protective Coatings) **√** 515

General Comments

PROTECTIVE COATING FAILING 3 1 Square Feet

Spa	an 3	Near	Bearing 5					
Oth	er Bearing							
	ment mber	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	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defec	ct Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION WITH SECT THAN 75 PERCENT REM	ION LOSS WITH GREATER AINING		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)				4	1		1 Square Feet
	General Comments							

Spa	ın 3	Far Bear	ring 5					
Oth	er Bearing							
	ment nber	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
Elemen Numbe	Dofoct Typo	Defect D	escription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION WITH SECTION THAN 75 PERCENT REMAIN			3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE FAILED			4	1		1 Square Feet
	General Comments							

Spa	n 4		Beam 1					
Plate	e Girder							
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Open Girder/Beam	33	7	23	0	3 Feet	
515		Steel Protective Coating	246	170	70	0	6 Square Feet	
Elemen Number	Dofoot '	Туре	Defect Description		cs	CS Qty	Maint Qty	_
√ 107	Corrosion	CORROSION WITH	AT BENT 3 IN THE LOWER FLA H SECTION LOSS [AVERAGE 3, B FULL WIDTH OF FLANGE] FOR 3 FEET LONG.	/8	4	3	3 Feet	
√ 107	Corrosion	INCHES REMAININ DIAPHRAGM AND	IOUS CORROSION WITH UP TO NG SECTION IN WEB AROUND BOTTOM 3 INCHES OF WEB 3 AREA HAS BEEN CLEANED AN	END FEET	2	3	Feet	
√ 107	Corrosion		PRESENT ON TOP AND BOTTO EB AT VARIOUS LOCATIONS A		2	20	Feet	

Structure N	Number: <u>500037</u>			Inspecti	on D	ate: 11/03/2023
✓ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED.	4	6	6	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE	2	40	40	Square Feet
√ 515	o o	30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	2	30	30	Square Feet

SPAN 4 BEAM 1 BOLTED PLATE REPAIR FULL HEIGHT X 1 FOOT LONG TO WEB AT BENT 3

Spa	n 4	Beam 2						
Pla	te Girder							
Nu	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Open Girder/Beam	33	20	11	0		
515	Steel F	Protective Coating	246	192	50	0	4 8	Square Feet
Elemei	Defect Type	Defect Descri	iption		cs	CS Qty	Maint Qty	
<u>/</u> 107	Corrosion	PARBEAM END AT BENT 4 AT T THE REINFORCED CONCRETE D A BAND OF CORROSION UP TO SECTION LOSS [AVERAGE 3/8 IN APPROXIMATELY 1 FEET LONG HEIGHT OF THE DIAPHRAGM.	DIAPHRAGM, THE 1 INCHES WIDE V ICHES REMAINS]	RE IS VITH FOR	4	1	1	Feet
107	Corrosion	PARSECTION LOSS IN BOTTON INCHES WITH 1/2 INCHES AVER/ WIDTH 9 INCHES LONG AT BEAM	AGE REMAINING	FULL	4	1	1	Feet
<u>/</u> 107	Corrosion	1 FEET OF CORROSION WITH 7. REMAINING SECTION IN WEB AF DIAPHRAGM AT BENT 3 HAS BEI	ROUND END	R	2	1		Feet
<u>/</u> 107	Corrosion	FRECKLED RUST PRESENT ON FLANGES AND WEB AT VARIOUS BEAM			2	10		Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED			4	4	4	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE			2	20	20	Square Feet
515	Peeling/Bubbling/Craing (steel Protective Coatings)	ack 30 SQUARE FEET OF PEELING P AND WEB	'AINT ON FLANGE	ES	2	30	30	Square Feet
	General Comments							

Span 4		Beam 3					
Plate Gi	rder						
Element Number	Element Namo	•	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		33	22	10	1	0 Feet
515	Steel Protective Coating		246	194	50	0	2 Square Feet
lement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qty

Structure I	Number: <u>500037</u>			Inspec	tion D	ate: 11/03/2023
√ 107	Corrosion	PARBEAM END AT BENT 4 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH SECTION LOSS [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM. BEAM END HAS BEEN PAINTED WITH NO ACTIVE CORROSION	3	1	1	Feet
√ 107	Corrosion	FRECKLED RUST PRESENT ON TOP AND BOTTOM FLANGES AND WEB AT VARIOUS LOCATIONS ALONG BEAM	2	10		Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED	4	2	2	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE	2	20	20	Square Feet
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	2	30	30	Square Feet

BOLTED PLATE REPAIR TO WEB ON BEAM 3 SPAN 4 24 INCH X 24 INCH AT BENT 3 END BOTH FACES

Spa	n 4	Beam 4						
-		Bouin 4						
Plate	e Girder							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam	33	11	22	0	0 F	eet
515	Steel Pro	tective Coating	246	175	70	1	0 8	Square Feet
Elemen Number	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
107	Corrosion	1 FEET OF PREVIOUS CORROREMAINING SECTION IN WEB DIAPHRAGM AT BENT 3 HAS E	AROUND END	CHES	2	1		Feet
107	Corrosion	1 FEET OF SURFACE CORRO FLANGE AND PITTNG WEB AT			2	1		Feet
107	Corrosion	FRECKLED RUST PRESENT O FLANGES AND WEB AT VARIO BEAM			2	20		Feet
515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF INEFFECT COATING ON BOTTOM FLANG		NT 4	3	1	1	Square Fee
515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE			2	40	40	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	: 30 SQUARE FEET OF PEELING AND WEB	PAINT ON FLANGE	ES	2	30	30	Square Fee

Span 4		Beam 5						
Plate Gi	rder							
Element Number	Element N	ame	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		33	6	26	0	1	Feet
515	Steel Protective Coating		246	163	80	1	2	Square Feet
lement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Number: <u>500037</u>			Insped	ction D	ate: 11/03/2023
√ 107	Corrosion	PARSECTION LOSS UP TO 3/8 INCHES WITH 3/8 INCHES AVERAGE REMAINING FULL WIDTH OF BOTTOM FLANGE 1 FEET LONG ON BEAM END OVER PIER 3. BEAM END HAS BEEN CLEANED AND PAINTED WITH ACTIVE SURFACE CORROSION. PLATE REPAIR ADDED BUT DOES NOT EXTEND OUT TO DEFECT.	4	1	1	Feet
√ 107	Corrosion	1 FEET OF SURFACE CORROSION ON BOTTOM FLANGE AND WEB AT BENT 4	2	1		Feet
V 107	Corrosion	FRECKLED RUST PRESENT ON TOP AND BOTTOM FLANGES AND WEB AT VARIOUS LOCATIONS ALONG BEAM	2	25		Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED.	4	2	2	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE	2	50	50	Square Feet
√ 515	Peeling/Bubbling/Cracling (steel Protective Coatings)	« 30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	2	30	30	Square Feet

BOLTED PLATE REPAIR 24 INCH X 24 INCH TO WEB BOTH SIDES AND 24 INCH BOTTOM FLANGE WEST SIDE BEAM 5 SPAN 4 AT BENT 3

Spa	n 4	Wearing St	urface				
Asp	halt Wearing Sur	face					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing	g Surface	975	935	0	40	0 Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty
√ 510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE/MAI INCHES WIDE OVER BENT 4,	P CRACKING UP T	O 1/4	3	40	40 Square Feet

General Comments

NEW ASPHALT WEARING SURFACE

Spar		Left Bridge	Rail					
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	33	20	1	12	0 F	eet
Element Number	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANS CRACKING IN CURB PORTION O			3	12	12	Feet
√ 331	Delamination/Spall	3 INCHES X 1 INCHES X 1/2 INCHEXPOSED REBAR NO LOSS IN TO FEET FROM BENT 4			2	1	1	Feet

Spa	an 4	Right Bridge	Rail					
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ced Concrete Bridge Railing	33	18	0	15	0 Feet	
Elemer Numbe	Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	nd UP TO 1/16 INCHES WIDE TRANSVERSE/MAP CRACKING IN CURB PORTION OF RAIL			3	15	15 Feet	
	General Comments							

Spa		Near Bearin	g 1					
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	etective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Type Defect Description			cs	CS Qty	Maint Qty	
√ 316	Corrosion	THAN 75 PERCENT REMAINING.	ECTION LOSS ON OUTER EDGES WITH GREATER HAN 75 PERCENT REMAINING. BEARING HAS REVIOUSLY BEEN PAINTED WITH ACTIVE SURFACE ORROSION PRESENT.					1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1	,	1 Square Feet

Spa	an 4		Far Bearing 1						
Oth	er Bearing								
	ment mber	Element Name Other Bearings		Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty 0 E	ach
515	S	teel Protective Coating		1	0	0	0	1 8	Square Feet
Elemer Numbe	Dofoct Ty	ре	Defect Description			cs	CS Qty	Maint Qty	
√ 316	Corrosion	THAN 75PERCENT PREVIOUSLY BEE	SECTION LOSS ON OUTER EDGES WITH GREATER THAN 75PERCENT REMAINING. BEARING HAS PREVIOUSLY BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT.				1	1	Each
√ 515	Effectiveness (4	1	1	Square Feet
	General Commo	ents							

Span 4		Near Bearing 2						
Other B	earing							
Element Number	Element Name	•	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	0	0	1	Each
515	Steel Protective Coating		1	0	0	0	1	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Structure Number: 500037 Inspec							
✓ 316	Corrosion	PARUP TO 50 PERCENT SECTION LOSS ON LEFT ANCHOR BOLT	4	1	1	Each		
√ 316	Corrosion	SECTION LOSS ON OUTER EDGES WITH GREATER THAN 75 PERCENT REMAINING. BEARING HAS PREVIOUSLY BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT.	3		1	Each		
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet		
	General Comments							

Spa	an 4			Far Bearing 2						
Oth	er Bearing									
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	1	0	0	Square Feet
Elemer Numbe	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corrosion		FRECKLED CORR	OSION			2	1		Each
√ 515	Effectivenes Protective C		SUBSTANTIALLY E	EFFECTIVE			2	1		1 Square Feet
	General Com	ments								

Spa	an 4	Near Bearing 3						
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 Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Descriptio	n		cs	CS Qty	Maint Qty	
√ 316	Corrosion	THAN 75 PERCENT REMAINING. BE	SECTION LOSS ON OUTER EDGES WITH GREATER THAN 75 PERCENT REMAINING. BEARING HAS PREVIOUSLY BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT.			1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1		1 Square Feet
	General Comments	<u> </u>			·		·	

Span 4 Other Be	earing	Far Bearin	g 3					
Element Number 316	Other B	Element Name earings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty	
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
√ 316 Corre	rosion	SECTION LOSS ON OUTER ED THAN 75 PERCENT REMAININ PREVIOUSLY BEEN PAINTED V STAINING PRESENT.	G. BEARING HAS	R	3	1	·	1 Each

Inspection Date: 11/03/2023 Structure Number: 500037

Effectiveness (Steel **√** 515 Protective Coatings)

General Comments

COATING FAILED 4 1 Square Feet

Span 4 **Near Bearing 4 Other Bearing Element** CS1 CS2 CS3 CS4 Total Number **Element Name** Qty Qty Qty Qty Qty 316 Other Bearings 0 0 0 Each 515 Steel Protective Coating 0 0 0 1 Square Feet Element Maint **Defect Type Defect Description** CS CS Qty Number Qty ✓ 316 SECTION LOSS ON OUTER EDGES WITH GREATER 3 1 Each Corrosion THAN 75 PERCENT REMAINING. BEARING HAS PREVIOUSLY BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT. **√** 515 Effectiveness (Steel COATING HAS FAILED 4 1 1 Square Feet Protective Coatings)

General Comments

2 FOOT LONG X 6 INCH WIDE BRACE PLATE ON TOP OF PEDESTAL AT PIER 3 RIGHT SIDE OF NEAR BEARING BEAM 4 SPAN 4

Spa	an 4	Far Bearing 4						
Oth	er Bearing							
	ment mber Other E	Element Name Bearings	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty	
515		Protective Coating	1	0	0	0		Square Feet
Elemei Numbe	Defect Type	Defect Descripti	on		cs	CS Qty	Maint Qty	
√ 316	Corrosion	SECTION LOSS ON OUTER EDGES THAN 75 PERCENT REMAINING. B PREVIOUSLY BEEN PAINTED WITH STAINING PRESENT.	EARING HAS	ł	3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED)		4	1		1 Square Feet
	General Comments							

Spa	n 4	Near Bearing	g 5					
Oth	er Bearing							
	nent n ber Other B	Element Name earings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 1	
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 316	Connection	PARBEARING LATERAL RETROI SIDE OF BEARING WITH EXPOSE BOLT DUE TO SPALL IN CAP		-	4	1		1 Each
√ 316	Corrosion	SECTION LOSS ON OUTER EDGE THAN 75 PERCENT REMAINING. PREVIOUSLY BEEN PAINTED WIT CORROSION PRESENT.	BEARING HAS		3			1 Each

√ 515 Eff

Effectiveness (Steel Protective Coatings)

COATING FAILED

4

1 Square Feet

General Comments

BEARING LATERAL RETROFIT PLATE ON LEFT SIDE OF BEARING

•	nn 4 er Bearing	Far Bearing 5						
	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	Dofoct Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	
√ 316	Corrosion	THAN 75 PERCENT REMAINING. B	SECTION LOSS ON OUTER EDGES WITH GREATER THAN 75 PERCENT REMAINING. BEARING HAS PREVIOUSLY BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT.			1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)				4	1		1 Square Feet
	General Comments							

Spa	an 5	Deck						
Rei	inforced Concrete	Deck						
	ement mber	Element Name	Total Qty	Qty Qty	CS2 Qty		CS4 Qty	
12	Reinford	ced Concrete Deck	1,106	1,088	13	5	0 8	Square Feet
Eleme Numbe	Defect Type	Defect Description			cs	CS Qty	Maint Qty	_
√ 12	Delamination/Spall	3 SPALLS WITH EXPOSED REBAR IN V DECK NEAR BENT 4 UP TO 3 INCHES INCHES DEEP			3	3	3	Square Feet
√ 12	Delamination/Spall	TWO SPALL WITH EXPOSED REBAR N EDGE OF DECK 4 INCHES DIAMETER DEEP AT 10 FEET FROM END BENT 2			3	2	2	Square Feet
√ 12	Delamination/Spall	A FEW DELAMINATIONS UP TO 6 INCHUNDER RIGHT OVERHANG	H DIAMETE	:R	2	3	3	Square Feet
√ 12	Delamination/Spall	A FEW SMALL AREAS UP TO DELAMIN X 9 INCHES IN UNDERSIDE WEST/EAS AT VARIOUS LOCATIONS			2	3	3	Square Feet
√ 12	Efflorescence/Rust Staining	7 FEET LONG HAIRLINE DIAGONAL CI MINOR EFFLORESCENCE IN UNDERS BAY 4 AT ABUTMENT 2	-		2	7		Square Feet
	General Comments							

Span 5		Beam 1						
Plate Gi	rder							
Element Number	Element Na	me	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		33	11	20	0	2	Feet
515	Steel Protective Coating		257	183	70	0	4	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure N	ucture Number: 500037 Inspection Date: 11/03/2023							
√ 107	Corrosion	PAR1/4 INCH SECTION LOSS WITH 3/8 INCHES AVERAGE REMAINING FULL WIDTH OF BOTTOM FLANGE. BEAM END HAS BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT. BOLTED REPAIR REPAIR PLATE ADDED AND DOES NOT EXTEND UNDER DEFECT AT PIER 4.	4	2	2	Feet		
√ 107	Corrosion	FRECKLED RUST PRESENT ON TOP AND BOTTOM FLANGES AND WEB AT VARIOUS LOCATIONS ALONG BEAM	2	20		Feet		
✓ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	4	4	Square Feet		
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE	2	40	40	Square Feet		
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	30 SQUARE FEETOF PEELING PAINT ON FLANGES AND WEB	2	30	30	Square Feet		

General Comments

BOLTED PLATE REPAIR TO BOTTOM FLANGE WEST AND BOTH FACES OF WEB AT BENT 4 SPAN 5 BEAM 1 BEAM END AT BENT 4 HAS BEEN PAINTED.

Spa	an 5	Beam 2						
Pla	te Girder							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	33	19	13	0	1 F	eet
515	515 Steel Protective Coating 257 20		201	54	0	2 S	quare Feet	
Elemei Numbe	Dofoot Tymo	Defect Description	on		cs	CS Qty	Maint Qty	
V 107	Corrosion	PAR1 FEET LONG X 2 INCHES WID PREVIOUS CORROSION WITH 1/4 IN SECTION IN WEB AROUND END DIA 4 AREA HAS BEEN PAINTED OVER /	ICHES REMAI PHRAGM AT E	BENT	4	1	1	Feet
✓ 107	Corrosion	FRECKLED RUST PRESENT ON TOP FLANGES AND WEB AT VARIOUS LO BEAM			2	12		Feet
√ 107	Corrosion	MINOR SECTION LOSS LESS THAN BOTTOM FLANGE 1 FEET LONG AT HAS BEEN PAINTED OVER WITH NO CORROSION	PIER 4. BEAM		2	1		Feet
√ 515	Effectiveness (Steel Protective Coatings)				4	2	2	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)				2	24	24	Square Feet
√ 515	Peeling/Bubbling/Cr ing (steel Protective Coatings)	ack 30 SQUARE FEETOF PEELING PAIN AND WEB	T ON FLANGE	S	2	30	30	Square Feet
	General Comments							

Plate Gird	er							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		33	22	11	0	0	Feet
515	Steel Protective Coating		257	207	50	0	0	Square Feet
ement umber D	efect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Number: <u>500037</u>			Inspec	ction Date: 11/03/2023
√ 107	Corrosion	1 FEET OF PREVIOUS CORROSION WITH 7/16 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 4 HAS BEEN PAINTED	2	1	Feet
√ 107	Corrosion	FRECKLED RUST PRESENT ON TOP AND BOTTOM FLANGES AND WEB AT VARIOUS LOCATIONS ALONG BEAM	2	10	Feet
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE	2	20	20 Square Feet
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	2	30	30 Square Feet

General	Comments
a	••••••

Spa	an 5	Beam 4						
Pla	te Girder							
	ement mber Steel On	Element Name en Girder/Beam	Total Qty 33	CS1 Qty 16	CS2 Qty	CS3 Qty	CS4 Qty 0 F	-eet
515	·	Steel Protective Coating 257 195			60	0		Square Feet
Eleme	Defect Tyme	Defect Description	<u> </u>		cs	CS Qty	Maint Qty	
√ 107	Corrosion	1 FEET OF PREVIOUS CORROSION V REMAINING SECTION IN WEB AROUN DIAPHRAGM AT BENT 4 HAS BEEN PA	ID END	CHES	2	1	,	Feet
√ 107	Corrosion	FRECKLED RUST PRESENT ON TOP A FLANGES AND WEB AT VARIOUS LOC BEAM		2	15		Feet	
√ 107	Corrosion	MINOR SECTION LOSS LESS THAN 1/BOTTOM FLANGE 1 FEET LONG AT PHAS BEEN PAINTED OVER WITH NO ACCORROSION	IER 4. BEAN		2	1		Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING HAS FAILED.			4	2	2	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE			2	30	30	Square Feet
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	« 30 SQUARE FEET OF PEELING PAINT AND WEB	ON FLANGI	≣S	2	30	30	Square Feet
	General Comments							

Gene	ral	Co	mm	ents

Span 5		Beam 5						
Plate Gi	rder							
Element Number	Element Name	•	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		33	7	22	0	4	Feet
515	Steel Protective Coating		257	177	70	0	10	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Structure Number: 500037 Inspection Date: 11/03/2023								
√ 107	Corrosion	PARBEAM END AT BENT 4 IN THE LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 1/4 INCHES AVERAGE REMAINS FULL WIDTH] FOR APPROXIMATELY 4 FEET LONG. AT THE SAME END IN THE LOWER 4 INCHES OF THE WEB, CORROSION WITH 100 PERCENT SECTION LOSS WITH 1 INCH X 1/2 INCH HOLE 2 FEET FROM BEAM END [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 4 FEET LONG.	4	4	4 Feet				
√ 107	Corrosion	1 FEET OF PREVIOUS CORROSION WITH 7/16 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 4 HAS BEEN PAINTED	2	1	Feet				
√ 107	Corrosion	FRECKLED RUST PRESENT ON TOP AND BOTTOM FLANGES AND WEB AT VARIOUS LOCATIONS ALONG BEAM	2	20	Feet				
√ 107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE EAST FACE 10 INCHES LONG AT END BENT 2 NO SECTION LOSS	2	1	Feet				
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED	4	10	10 Square Feet				
√ 515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE	2	40	40 Square Feet				
√ 515	Peeling/Bubbling/Cracking (steel Protective Coatings)	30 SQUARE FEET OF PEELING PAINT ON FLANGES AND WEB	2	30	30 Square Feet				
	General Comments								

Spa	n 5	Left Bridge Ra	il					
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfo	rced Concrete Bridge Railing	33	19	2	12	0 Feet	
Elemer Numbe	Dofoct Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANSVE CRACKING IN CURB PORTION OF R			3	12	12 Feet	
√ 331	Delamination/Spall	TWO SPALLS WITH EXPOSED REBAINCHES X 1 INCHES X 1/2 INCHES CURB AT 12 FEET AND 6 FEET FRO	DEEP IN TOP OF		2	2	2 Feet	
	General Comments							_

Spa	n 5	Right Bridge	Right Bridge Rail						
Con	crete Railing								
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
331	Reinfor	ced Concrete Bridge Railing	33	15	3	15	0 F	eet	
Elemen Number	Dofoct Type	Defect Descri	ption		CS	CS Qty	Maint Qty		
✓ 331	Cracking (RC and Other)	UP TO 1/16 INCHES WIDE TRANS CRACKING IN CURB PORTION OF			3	15	15	Feet	
√ 331	Delamination/Spall	TWO SPALLS WITH EXPOSED RE INCHES X 1 INCHES X 1/2 INCHES TOP/FRONT FACE OF CURB 4 FE	S DEEP IN	NT 2	2	2	2	Feet	

Structure Number: 500037 Inspection Date: <u>11/03/2023</u>

1 Feet

✓ 331 Exposed Rebar

FAR END ON THE TOP OF THE REINFORCED CONCRETE RAIL, EXPOSED REBAR [APPROXIMATELY 5 INCHES LONG X 1/2 INCHES WIDE] WITH NO MEASURABLE SECTION LOSS

•	an 5 er Bearing	Near Bearin	g 1					
	ment mber	Element Name Other Bearings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	S	teel Protective Coating	1	0	0	0	1	Square Feet
Elemei Numbe	Dofoct Tv	pe Defect Descr	iption		cs	CS Qty	Maint Qty	
√ 316	Corrosion	SECTION LOSS ON OUTER EDG THAN 75PERCENT REMAINING. PREVIOUSLY BEEN PAINTED WI CORROSION PRESENT.	BEARING HAS		3	1		1 Each
√ 515	Effectiveness (S	ings)			4	1		1 Square Feet
	General Comme	ents						

Spa	an 5			Far Bearing 1						
Oth	er Be	earing								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	1	0	Square Feet
Elemer Numbe		Defect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 316	Corr	osion	LIGHT SURFACE I	RUST			2	1		Each
√ 515		ctiveness (Steel ective Coatings)	COATING STARTI	NG TO FAIL			3	1	,	1 Square Feet
	Gene	ral Comments								

Spa	an 5	Near Bearing 2						
Oth	er Bearing							
Nui	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316 515	Other Bo Steel Pr	earings otective Coating	1	0	0	0	_	Each Square Feet
Elemer Numbe	Dofoct Typo	Defect Description	<u> </u>		cs	CS Qty	Maint Qty	
√ 316	Corrosion	SECTION LOSS ON OUTER EDGES W THAN 75 PERCENT REMAINING. BEA PREVIOUSLY BEEN PAINTED WITH LI STAINING PRESENT.	RING HAS	₹	3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1		1 Square Feet
	General Comments							_

Spa	an 5	Near Bearing	3					
Oth	ner Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other E	Bearings	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemei Numbe	Dofoct Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty	
√ 316	Corrosion	SECTION LOSS ON OUTER EDGES THAN 75 PERCENT REMAINING. PREVIOUSLY BEEN PAINTED WITH STAINING PRESENT.	BEARING HAS		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1		1 Square Feet
	General Comments							

•	an 5 er Bearing	Near Bearing	, 4					
	ment mber Other B	Element Name earings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel Pr	rotective Coating	1	0	0	0	1	Square Feet
Elemei Numbe	Dofoct Typo	Defect Descrip	otion		cs	CS Qty	Maint Qty	
√ 316	Corrosion	SECTION LOSS ON OUTER EDGE THAN 75 PERCENT REMAINING. PREVIOUSLY BEEN PAINTED WIT STAINING PRESENT.	BEARING HAS	8	3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1		1 Square Feet

Spa	an 5	Near Bearing	5					
Oth	ner Bearing							
	ment mber Other Be	Element Name earings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty	
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defeat Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
√ 316	Corrosion	SECTION LOSS ON OUTER EDGE THAN 75 PERCENT REMAINING. PREVIOUSLY BEEN PAINTED WIT CORROSION PRESENT.	BEARING HAS		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILED			4	1		1 Square Feet
	General Comments							

Spa	ın 5	Far Bearing 5						
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descriptio	n		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	LIGHT SURFACE RUST			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1		1 Square Feet
-	General Comments							

Ben	t 1	Cap 1								
Reinforced Concrete Pier Cap										
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty			
234	Reinford	ced Concrete Pier Cap	39	28	0	11	0 Feet			
Element Number	Dofoot Typo	Defect Description	on		cs	CS Qty	Maint Qty			
√ 234	Cracking (RC and Other)	6 FEET LONG X 1/8 INCHES WIDE H NORTH FACE UNDER BAY 1 AND A HORIZONTAL CRACK 1.5 FOOT LON	1/16 INCH WII	DE	3	6	6 Feet			
✓ 234	Cracking (RC and Other)	HORIZONTAL CRACK 3 FEET LONG WIDE IN SOUTH FACE MID WAY BE AND 2			3	3	3 Feet			
✓ 234	Cracking (RC and Other)	SOUTH FACE AT THE LEFT END, LO SPALLING WITH EXPOSED REBAR I SECTION LOSS [APPROXIMATLY 40 UP TO 2.5 INCHES DEEP]	NO MEASURA	BLÉ	3	2	2 Feet			
(General Comments							_		

Bei	nt 1			Pile 1						
Rei	inforced (Concrete (Column							
	ement mber	Reinforce	Element Name ed Concrete Column		Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 E	Each
Eleme Numbe	Dofo	ct Type		Defect Description			cs	CS Qty	Maint Qty	
√ 205	Delaminat	ion/Spall		ES X 2 INCHES DEEP PELAMINATION AT NO		5	3		3	Each
✓ 205	Delaminat	ion/Spall		ES X 2 INCHES DEEP S D REBAR NO SECTIO RNER		1	3	1	5	Each
	General Co	omments								

Ber	nt 1	Pile 2						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ed Concrete Column	1	0	0	1	0 E	Each
Elemei Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	12 FOOT HIGH X 2 FEET WIDE DE VERTICAL CRACKS UP TO 7 FEE INCHES WIDE IN NORTH FACE			3		7	Each
√ 205	Delamination/Spall	8 FOOT HIGH X 1 FOOT WIDE DE CRACKS UP TO 1/8 INCHES WIDE CORNER	_	Н	3	1	4	Each
✓ 205	Delamination/Spall	6 FOOT X 1.5 FOOT AREA OF DE SOUTHEAST CORNER	LAMINATION ON		2		6	Each
	General Comments							

End	d Bent 1	Abutment						
Rei	nforced Concrete	Abutment						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinford	ced Concrete Abutment	60	57	1	2	0 Feet	
Elemer Numbe	Dofoct Type	Defect Description	on		cs	CS Qty	Maint Qty	
√ 215	Delamination/Spall	SPALL WITH EXPOSED REBAR NO L X 2 INCHES X 1/2 INCHES DEEP WIT EFFLORESCENCE 12 INCHES LONG INCHES WIDE AT WEST END	H CRACK WIT	ГН	3	2	2 Feet	
√ 215	Cracking (RC and Other)	1 FEET LONG VERTICAL HAIRLINE T CRACK BAY 3	ΓΟ 1/32 INCHE	S	2	1	Feet	
✓ 215	Cracking (RC and Other)	1 FEET LONG HORIZONTAL HAIRLIN END	NE CRACK AT	EAST	1	1	Feet	
	General Comments							_

End	l Bent 1	Cap 1						
Reir	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	48	37	0	11	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Descrip	otion		CS	CS Qty	Maint Qty	
✓ 234	Cracking (RC and Other)	3 FEET HORIZONTAL CRACK UP TUNDER BAY 4	TO 1/16 INCHES	WIDE	3	3	3 Feet	
✓ 234	Cracking (RC and Other)	6 FEET HORIZONTAL CRACK UP TUNDER BEAM 1	TO 1/8 INCHES V	VIDE	3	6	6 Feet	
✓ 234	Delamination/Spall	8 INCHES DIAMETER X 1 INCHES EXPOSED REBAR NO LOSS UNDE		TH	3	1	1 Feet	
✓ 234	Delamination/Spall	8 INCHES X 2 FEET X 3/4 INCHES EXPOSED REBAR NO LOSS UNDE		TH	3	1	1 Feet	
√ 234	Delamination/Spall	DELAMINATION 3 FEET LONG X 2 BEAM 1 NORTH FACE	FEET HIGH UNI	DER	2		3 Feet	
-	Ganaral Comments							_

Otractare	Number. <u>300037</u>					1115	spection Da	ie. <u>11/03/2023</u>
Bei	nt 2	Cap 1						
Rei	inforced Concrete	Pier Cap						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	40	19	10	11	0 Fe	et
Eleme Numbe	Dafaat Tuma	Defect Descripti	on		cs	CS Qty	Maint Qty	
✓ 234	Cracking (RC and Other)	6 FEET LONG HORIZONTAL CRACK WIDE UNDER BAYS 1 AND 2 NORTH		HES	3	6	6	Feet
✓ 234	Cracking (RC and Other)	DIAGONAL CRACK UP TO 1/16 INCH PEDESTAL SPAN 2 SIDE	HES WIDE BEAM	<i>l</i> 1	3	1	1	Feet
√ 234	Delamination/Spall	3 FEET X 1 FEET X 6 INCHES DELAI SPALL 2 FOOT X 9 INCH X 3 INCH D EXPOSED REBAR NO LOSS IN UND BEAM 5 IN FLUTED PORTION	EEP WITH		3	3	3	Feet
√ 234	Delamination/Spall	8 INCHES DIAMETER DELAMINATIO DIAMETER X 1/2 INCHES DEEP SPA REBAR NO LOSS IN NORTH FACE L	ALL WITH EXPO	_	3	1	1	Feet
√ 234	Cracking (RC and Other)	2 FEET LONG 1/32 INCHES HORIZO NORTH FACE UNDER BEAM 4	NTAL CRACK		2	2		Feet
✓ 234	Cracking (RC and Other)	DIAGONAL CRACK UP TO 1/32 INCH 2 PEDESTAL EAST FACE	HES WIDE IN BE	AM	2	1		Feet
√ 234	Cracking (RC and Other)	HORIZONTAL CRACK UP TO 1/32 IN SOUTH FACE UNDER BEAM 4	ICHES WIDE ON	1	2	3		Feet
√ 234	Delamination/Spall	3 FEET X 1.5 FEET HIGH DELAMINA FACE UNDER BEAM 3	TION IN SOUTH	ł	2	3	3	Feet
√ 234	Patched Area	8 INCH X 6 INCH SOUND PATCH EA PEDESTAL UNDER BEAM 2	ST FACE OF		2	1		Feet
	General Comments							

Ber	nt 2	Pile 1						
Rei	nforced Concret	e Column						
	ment mber Reinfo	Element Name orced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty 0 Each	
Elemer Numbe	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	VERTICAL THROUGH CRACK 7 INCH WIDE WITH EDGE SPALL CRASH WALL BOTH FACES		O 1/4	3	1	14 Each	
	General Comments							_

Bent 2 Reinforced Concret	Pile 2 te Column						
Element Number 205 Reinf	Element Name orced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
Element Number Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
205 Delamination/Spall	SPALL 10 INCH X 9 INCH X 2 IN EXPOSED REBAR NO LOSS AT CORNER			3	1	1	Each

End B	Bent 2	Abutment						
Reinfo	orced Concrete	Abutment						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	60	59	1	0	0 Feet	
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 215 D	elamination/Spall	6 INCH X 3 INCH DELAMINATIO	ON IN BAY 1 AT BEA	M 1	2	1	1 Feet	

General Comments

Eı	nd Bent	2		Cap 1						
R	einforce	d Concrete	Pier Cap							
	lement lumber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
23	34	Reinfor	ced Concrete Pier Cap	•	48	44	0	4	0 F	-eet
Elem Num		Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 234	Cracki Other)	ng (RC and		ACK 4 FEET LONG UP CAP UNDER BEAM 5	TO 1/8 INC	Н	3	4	4	Feet
	Gonora	I Commonte								

Ben	t 3	Cap 1					
Reir	nforced Concrete	Pier Cap					
	ment nber Reinfor	Element Name ced Concrete Pier Cap	Total Qty 40	CS1 Qty 37	CS2 Qty	CS3 Qty 2	CS4 Qty 0 Feet
Elemen Numbe	Defeat Time	Defect Descrip	tion		cs	CS Qty	Maint Qty
234	Delamination/Spall	SPALL 9 INCH X 9 INCH X 3 INCHE EXPOSED REBAR NO LOSS IN PEI NORTH FACE. PAR SENT UNDER I	DESTAL AT BEA	AM 5	3	1	1 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REBAR NO INCHES X 1 INCHES DEEP IN NOR BEAM 4			3	1	1 Feet
234	Delamination/Spall	9 INCHES DIAMETER DELAMINATI INCH X 2 INCH X 1 INCH DEEP WIT NO LOSS NORTH FACE UNDER BE	H EXPOSED RE	-	2	1	1 Feet

Ben	t 3	Pile 1						
Rein	forced Concrete	Column						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ced Concrete Column	1	0	0	1	0 Ea	ch
Element Number	Dofoot Typo	Defect De	escription		cs	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	VERTICAL THROUGH CRACK INCHES WIDE IN MIDDLE OF FACES			3		14	Each

Structure	Number: <u>500037</u>			Insped	ction Date: 11/03/2023
√ 205	Delamination/Spall	9 INCHES X 6 INCHES X 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS IN SOUTH FACE BELOW CAP	3	1	1 Each
✓ 205	Cracking (RC and Other)	AREA OF HAIRLINE MAP CRACKING 10 FEET LONG ON SOUTH FACE OF CRASH WALL	1		Each

_			
General	Con	nmer	nts

Bent Reinf	3 orced Concrete	Pile 2 Column						
Eleme Numb 205	per	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty 0 I	≣ach
Element Number	Defect Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
·	Cracking (RC and Other)	PARSOUTHEAST CORNER, SPA EXPOSED REBAR [APPROXIMATE TO 1.25 FEET WIDE X UP TO 3 INC	ELY 4 FEET HIGH	H X UP	3		4	Each
205 [Delamination/Spall	PARSPALL WITH EXPOSED REB HORIZONTAL TIE 3 FOOT X 1 FOO IN NORTHEAST CORNER MID HEI LOSS	OT X 4 INCHES D	EEP	3	1	3	Each

Ber	nt 4			Cap 1						
Rei	nforced C	oncrete	Pier Cap							
Nui	ment mber	Doinford	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Foot
234		Reinford	ed Concrete Pier Cap		40	38	2	0		Feet
Elemer Numbe	Dofoo	t Type		Defect Descript	ion		cs	CS Qty	Maint Qty	
✓ 234	Cracking (R Other)	RC and	2 HAIRLINE TO 1/3 CRACKS ON EAST NORTH FACE 1.5 F	FACE OF CAP T		N TO	2	2		Feet
	General Cor	nments								

Ber	nt 4	Pile 1						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	rced Concrete Column	1	0	0	1	0 Each	
Elemer Numbe	Dofoct Typo	Defect Descr	iption		CS	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	VERTICAL CRACK 5 FEET LONG WIDE AT NORTHEAST AND NOR			3	1	5 Each	_

Ber	nt 4	Pile 2						
Rei	nforced Concrete	Column						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Elemer Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	6 FOOT X 9 INCH AREA OF DE NORTHWEST CORNER	LAMINATION AT		2	1	Each	

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1273
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	38
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1140
Span 1	Near Bearing 1	Other Bearing	Other Bearings	1
Span 1	Far Bearing 1	Other Bearing	Other Bearings	1
Span 1	Far Bearing 2	Other Bearing	Other Bearings	1
Span 1	Near Bearing 2	Other Bearing	Other Bearings	1
Span 1	Near Bearing 3	Other Bearing	Other Bearings	1
Span 1	Far Bearing 3	Other Bearing	Other Bearings	1
Span 1	Far Bearing 4	Other Bearing	Other Bearings	1
Span 1	Near Bearing 4	Other Bearing	Other Bearings	1
Span 1	Near Bearing 5	Other Bearing	Other Bearings	1
Span 1	Far Bearing 5	Other Bearing	Other Bearings	1
Span 1	DELINEATOR SW	Delineator	Warning Signs	1
Span 1	Posting Sign SE	Weight Limit	Regulatory Sign	1
Span 1	DELINEATOR SE	Delineator	Warning Signs	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1257
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	38
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	38
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 2	Expansion Joint at Bent 1	Standard Joint	Pourable Joint Seal	40
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1125
Span 2	Far Bearing 1	Other Bearing	Other Bearings	1
Span 2	Near Bearing 1	Other Bearing	Other Bearings	1
Span 2	Near Bearing 2	Other Bearing	Other Bearings	1
Span 2	Far Bearing 2	Other Bearing	Other Bearings	1
Span 2	Far Bearing 3	Other Bearing	Other Bearings	1
Span 2	Near Bearing 3	Other Bearing	Other Bearings	1
Span 2	Near Bearing 4	Other Bearing	Other Bearings	1
Span 2	Far Bearing 4	Other Bearing	Other Bearings	1
Span 2	Far Bearing 5	Other Bearing	Other Bearings	1
Span 2	Near Bearing 5	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1592
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	48
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	48

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	48
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	48
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	48
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 3	Expansion Joint at Bent 2	Standard Joint	Pourable Joint Seal	40
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1425
Span 3	Near Bearing 1	Other Bearing	Other Bearings	1
Span 3	Far Bearing 1	Other Bearing	Other Bearings	1
Span 3	Far Bearing 2	Other Bearing	Other Bearings	1
Span 3	Near Bearing 2	Other Bearing	Other Bearings	1
Span 3	Near Bearing 3	Other Bearing	Other Bearings	1
Span 3	Far Bearing 3	Other Bearing	Other Bearings	1
Span 3	Far Bearing 4	Other Bearing	Other Bearings	1
Span 3	Near Bearing 4	Other Bearing	Other Bearings	1
Span 3	Near Bearing 5	Other Bearing	Other Bearings	1
Span 3	Far Bearing 5	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1089
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	33
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	33
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	33
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	33
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	33
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 4	Expansion Joint at Bent 3	Standard Joint	Pourable Joint Seal	40
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	975
Span 4	Far Bearing 1	Other Bearing	Other Bearings	1
Span 4	Near Bearing 1	Other Bearing	Other Bearings	1
Span 4	Near Bearing 2	Other Bearing	Other Bearings	1
Span 4	Far Bearing 2	Other Bearing	Other Bearings	1
Span 4	Far Bearing 3	Other Bearing	Other Bearings	1
Span 4	Near Bearing 3	Other Bearing	Other Bearings	1
Span 4	Near Bearing 4	Other Bearing	Other Bearings	1
Span 4	Far Bearing 4	Other Bearing	Other Bearings	1
Span 4	Far Bearing 5	Other Bearing	Other Bearings	1
Span 4	Near Bearing 5	Other Bearing	Other Bearings	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1106
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	33
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	33
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	33
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	33
Span 5	Beam 5	Plate Girder	Steel Open Girder/Beam	33
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 5	Expansion Joint at Bent 4	Standard Joint	Pourable Joint Seal	40
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	990
Span 5	Far Bearing 1	Other Bearing	Other Bearings	1
Span 5	Near Bearing 1	Other Bearing	Other Bearings	1
Span 5	Near Bearing 2	Other Bearing	Other Bearings	1
Span 5	Far Bearing 2	Other Bearing	Other Bearings	1
Span 5	Far Bearing 3	Other Bearing	Other Bearings	1
Span 5	Near Bearing 3	Other Bearing	Other Bearings	1
Span 5	Near Bearing 4	Other Bearing	Other Bearings	1
Span 5	Far Bearing 4	Other Bearing	Other Bearings	1
Span 5	Far Bearing 5	Other Bearing	Other Bearings	1
Span 5	Near Bearing 5	Other Bearing	Other Bearings	1
Span 5	Posting Sign NW	Weight Limit	Regulatory Sign	1
Span 5	DELINEATOR NW	Delineator	Warning Signs	1
Span 5	DELINEATOR NE	Delineator	Warning Signs	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	48
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	60
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	48
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	60
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40
Bent 4	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 1	Wearing Surface	
NEW ASPHALT WEA	RING SURFACE	
Span 2	Wearing Surface	
NEW ASPHALT WEA	RING SURFACE	
Span 3	Wearing Surface	
NEW ASPHALT WEA	RING SURFACE	
Span 5	Wearing Surface	
NEW ASPHALT WEA	RING SURFACE	

National Bridge and NC Inspection Items

Structure Number: 500037 Inspection Date: 11/03/2023

National Bridge Inventory Items

ltem	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	6	Note:
Item 59: Superstructure	0 - 9 , N	5	Items 58,59,60,62 reflect this
Item 60: Substructure	0 - 9 , N	5	inspection only.
Item 61: Channel and Channel Protection	0 - 9 , N	N	For overall NBI coding grade, see cover sheet.
Item 62: Culvert	0 - 9 , N	N	
Item 71: Waterway Adequacy	0 - 9 , N	N	
Item 72: Approach Roadway Alignment	0-9,N	8	

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

NC SMU Inspection Items

ltem	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	6317	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			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code		Α		

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	Υ
Inspection Time	Hours	7
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Υ
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	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 500037 Inspection Date: 11/03/2023

Item Deck Debris Grade F Maint Code 3376 Qty. 6317

Details MINOR DEBRIS ACCUMULATION ALONG LEFT RAIL

Item General Comments and Misc Items Grade Maint Code Qty. 0

Details 4 INCHES X 3 INCHES X 18 INCHES SPALL WITH EXPOSED REBAR NO LOSS IN WEST OVERHANG AT BENT 1 END DIAPHRAGM AT BEAM 1

DIAPHRAGM SPALL UP TO 4 FOOT LONG X 1 FOOT HIGH X 4 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 1, BAY 4

DIAPHRAGM SPALL UP TO 1 FOOT LONG X 1 FOOT HIGH X 3 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 1. BAY 2

DIAPHRAGM 2 SPALLS UP TO 4 FOOT LONG X 1 FOOT HIGH X 4 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 1, BAY 1

DIAPHRAGM SPALL UP TO 2 FOOT LONG X 10 INCHES HIGH X 4 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 2, BAY 3

DIAPHRAGM SPALL UP TO 4 FOOT LONG X 1 FOOT HIGH X 4 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 2, BAY 4 $\,$

DIAPHRAGM SPALL UP TO 1 FOOT LONG X 10 INCHES HIGH X 3 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 2, BAY 3

DIAPHRAGM SPALL UP TO 3 FOOT LONG X 10 INCHES HIGH X 3 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIER 4, BAY 1



Span 4 Wearing Surface: FULL WIDTH TRANSVERSE/MAP CRACKING UP TO 1/4 INCHES WIDE OVER BENT 4,



MINOR DEBRIS ACCUMULATION ALONG LEFT RAIL



Span 1 Left Bridge Rail: 4 INCHES DIAMETER X 1 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS AT END POST AT SOUTHWEST CORNER



Span 1 Right Bridge Rail: 3 INCHES X 1 INCHES X 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS IN TOP OF CURB AT GUARDRAIL ATTACHMENT



Span 3 Right Bridge Rail: 3 INCHES X 1 INCHES X 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS IN FACE OF RAIL POST AT BENT 2



Span 4 Left Bridge Rail: 3 INCHES X 1 INCHES X 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS IN TOP OF CURB AT 10 FEET FROM BENT 4



Span 5 Left Bridge Rail: TWO SPALLS WITH EXPOSED REBAR NO LOSS 3 INCHES X 1 INCHES X 1/2 INCHES DEEP IN TOP OF CURB AT 12 FEET AND 6 FEET FROM END BENT 2



Span 5 Right Bridge Rail: FAR END ON THE TOP OF THE REINFORCED CONCRETE RAIL, EXPOSED REBAR [APPROXIMATELY 5 INCHES LONG X 1/2 INCHES WIDE] WITH NO MEASURABLE SECTION LOSS



End Bent 1 Cap 1: 6 FEET HORIZONTAL CRACK UP TO 1/8 INCHES WIDE UNDER BEAM 1



End Bent 1 Cap 1: 3 FEET HORIZONTAL CRACK UP TO 1/16 INCHES WIDE UNDER BAY 4



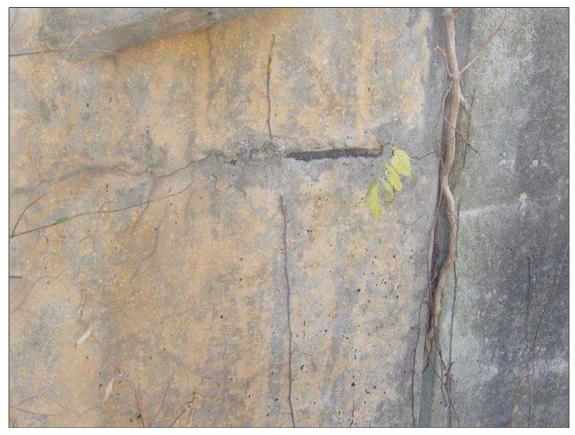
End Bent 1 Cap 1: 8 INCHES DIAMETER X 1 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS UNDER BAY 4



End Bent 1 Cap 1: 8 INCHES X 2 FEET X 3/4 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS UNDER BAY 4



End Bent 1 Abutment: 1 FEET LONG VERTICAL HAIRLINE TO 1/32 INCHES CRACK BAY 3



End Bent 1 Abutment: SPALL WITH EXPOSED REBAR NO LOSSS 12 INCHES X 2 INCHES X 1/2 INCHES DEEP WITH CRACK WITH EFFLORESCENCE 12 INCHES LONG X UP TO 1/32 INCHES WIDE AT WEST END



End Bent 1 Cap 1: DELAMINATION 3 FEET LONG X 2 FEET HIGH UNDER BEAM 1 NORTH FACE



Bent 1 Cap 1: SOUTH FACE AT THE LEFT END, LOWER 10 INCHES, SPALLING WITH EXPOSED REBAR NO MEASURABLE SECTION LOSS [APPROXIMATLY 40 INCHES LONG X UP TO 2.5 INCHES DEEP]



Bent 1 Cap 1: HORIZONTAL CRACK 3 FEET LONG UP TO 3/16 INCHES WIDE IN SOUTH FACE MID WAY BETWEEN COLUMNS 1 AND 2



Bent 1 Cap 1: 6 FEET LONG X 1/8 INCHES WIDE HORIZONTAL CRACK NORTH FACE UNDER BAY 1 AND A 1/16 INCH WIDE HORIZONTAL CRACK 1.5 FOOT LONG UNDER BEAM 4



Bent 1 Pile 1: 6 FOOT X 9 INCHES X 2 INCHES DEEP SPALL WITH EXPOSED RUSTED REBAR NO SECTION LOSS AT NORTHWEST CORNER



Bent 1 Pile 1: 24 FEET X 9 INCHES X 2 INCHES DEEP SPALL AND 5 FOOT X 3 FOOT DELAMINATION AT NORTHEAST CORNER



Bent 1 Pile 2: 6 FOOT X 1.5 FOOT AREA OF DELAMINATION ON SOUTHEAST CORNER



Span 1 Beam 1: PAR--BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 3 INCHES WIDE WITH SECTION LOSS [AVERAGE 1/4 INCHES AVERAGE REMAINING] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM. AT THE LOWER CORNER OF THE INTERFACE THERE IS A HOLE [APPROXIMATELY 1/2 INCHES DIAMETER]. AT THE SAME END IN THE LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 7/16 INCHES REMAINS] FOR APPROXIMATELY 6 FEET LONG. AT THE SAME END IN THE LOWER 3 INCHES OF THE WEB, CORROSION WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 6 FEET LONG.



Span 2 Beam 1: PAR--BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.



Span 2 Beam 2: PAR--BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 3 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.



TYPICAL CORROSION UP TO 1/8 INCH LOSS X UP TO 2 FEET HIGH AT BEAM ENDS ADJACENT TO DIAPHRAGMS OVER PIERS WITH 7/16 INCH AVERAGE REMAINING. BEAM 3 SPAN 1 AT PIER 1 SHOWN



Span 1 Beam 5: PAR--BEAM END AT BENT 1 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.



TYPICAL DIAPHRAGM SPALL UP TO 4 FOOT LONG X 1 FOOT HIGH X 4 INCHES DEEP WITH EXPOSED REBAR NO LOSS OVER PIERS, SPAN 2 BAY 4 OVER PIER 1 SHOWN



Span 2 Beam 1: 1 FEET OF CORROSION WITH 1/2 INCHES REMAINING SECTION IN BOTTOM FLANGE AND 7/16 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 2 HAS BEEN PREVIOUSLY PAINTED OVER WITH ACTIVE CORROSION.



Span 3 Beam 1: PAR--CORROSION AROUND DIAPHRAGM OVER PIER 2- 2 INCHES WIDE WITH 3/8 INCHES AVERAGE REMAINING THICKESS AND 6 INCHES HIGH IN BOTTOM OF WEB 4 FEET LONG. CORROSION IN BOTTOM FLANGE 4 FOOT LONG WITH 7/16 INCH SECTION LOSS WITH 1/2 INCH AVERAGE REMAINING STARTING AT PIER 2



Span 3 Deck: PAR--3 FOOT LONG X 15 INCHES WIDE X 2 INCHES DEEP SPALL WITH EXPOSED REBAR IN UNDERSIDE OF LEFT OVERHANG NEAR MID SPAN. MULTIPLE EXPOSED BARS TRANSVERSE AND LONGITUDINAL HAVE SECTION LOSS WITH 50 PERCENT AREA REMAINING



Bent 2 Cap 1: 3 FEET X 1.5 FEET HIGH DELAMINATION IN SOUTH FACE UNDER BEAM 3



Bent 2 Cap 1: 8 INCH X 6 INCH SOUND PATCH EAST FACE OF PEDESTAL UNDER BEAM 2, PEDESTAL UNDER BEAM 3 SIMILAR



Bent 2 Cap 1: 8 INCHES DIAMETER DELAMINATION AND 6 INCHES DIAMETER X 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS IN NORTH FACE UNDER BEAM 1



Bent 2 Cap 1: 6 FEET LONG HORIZONTAL CRACK UP TO 1/4 INCHES WIDE UNDER BAYS 1 AND 2 NORTH FACE



Bent 2 Cap 1: 3 FEET X 1 FEET X 6 INCHES DELAMINATION WITH A SPALL 2 FOOT X 9 INCH X 3 INCH DEEP WITH EXPOSED REBAR NO LOSS IN UNDERSIDE UNDER BEAM 5 IN FLUTED PORTION



Bent 2 Pile 1: VERTICAL THRU CRACK 7 FOOT LONG UP TO 1/4 INCH WIDE WITH EDGE SPALLING IN MIDDLE OF CRASH WALL BOTH FACES



Bent 2 Pile 2: SPALL 10 INCH X 9 INCH X 2 INCH DEEP WITH EXPOSED REBAR NO LOSS AT TOP SOUTHWEST CORNER



Bent 3 Cap 1: SPALL WITH EXPOSED REBAR NO LOSS 1 FEET X 9 INCHES X 1 INCHES DEEP IN NORTH FACE UNDER BEAM 4



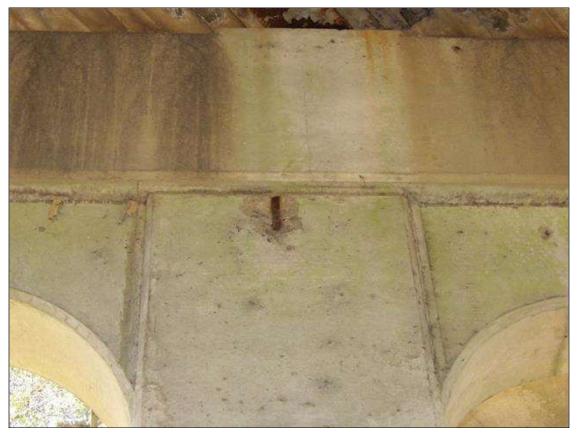
Bent 3 Cap 1: 9 INCHES DIAMETER DELAMINATION WITH SPALL 3 INCH X 2 INCH X 1 INCH DEEP WITH EXPOSED REBAR NO LOSS NORTH FACE UNDER BEAM 5



Bent 3 Pile 2: PAR--SPALL WITH EXPOSED REBAR AND BROKEN HORIZONTAL TIE 3 FOOT X 1 FOOT X 4 INCHES DEEP IN NORTHEAST CORNER MID HEIGHT WITH SECTION LOSS



Bent 3 Pile 1: VERTICAL THROUGH CRACK 7 FOOT LONG X 1/8 INCHES WIDE IN MIDDLE OF CRASHWALL BOTH FACES



Bent 3 Pile 1: 9 INCHES X 6 INCHES X 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS IN SOUTH FACE BELOW CAP



Span 3 Beam 1: PAR-- BEAM END AT BENT 3 IN THE LEFT LOWER FLANGE, CORROSION WITH SECTION LOSS DOWN TI KNIFE EDGE [AVERAGE 3/8 INCHES REMAINS FULL WIDTH OF FLANGE] FOR APPROXIMATELY 4 FEET LONG WITH EDGE HOLES UP TO 3/4 INCHES DIAMETER. AT THE SAME END IN THE LOWER 6 INCHES OF THE WEB, CORROSION WITH SECTION LOSS [AVERAGE 1/16 INCHES REMAINS] FOR APPROXIMATELY 4 FEET LONG WITH PERFORATIONS THROUGHOUT.



SPAN 4 BEAM 1 BOLTED PLATE REPAIR FULL HEIGHT X 1 FOOT LONG TO WEB AT BENT 3, BEAMS 3 AND 5 SIMILAR



Span 4 Beam 1: PAR--BEAM END AT BENT 3 IN THE LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS FULL WIDTH OF FLANGE] FOR APPROXIMATELY 3 FEET LONG.



Span 4 Beam 2: PAR--SECTION LOSS IN BOTTOM FLANGE UP TO 1/4 INCHES WITH 1/2 INCHES AVERAGE REMAINING FULL WIDTH 9 INCHES LONG AT BEAM END OVER PIER 3.



Span 4 Near Bearing 2: PAR--UP TO 50 PERCENT SECTION LOSS ON LEFT ANCHOR BOLT



2 FOOT LONG X 6 INCH WIDE BRACE PLATE ON TOP OF PEDESTAL AT PIER 3 RIGHT SIDE OF NEAR BEARING BEAM 4 SPAN 4



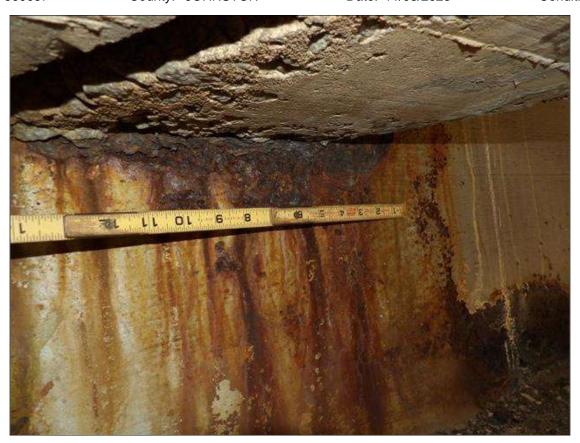
BOLTED PLATE REPAIR 24 INCH X 24 INCH TO WEB BOTH SIDES AND 24 INCH BOTTOM FLANGE WEST SIDE BEAM 5 SPAN 4 AT BENT 3



Span 4 Beam 5: PAR--SECTION LOSS UP TO 3/8 INCHES WITH 3/8 INCHES AVERAGE REMAINING FULL WIDTH OF BOTTOM FLANGE 1 FEET LONG ON BEAM END OVER PIER 3. BEAM END HAS BEEN CLEANED AND PAINTED WITH ACTIVE SURFACE CORROSION. PLATE REPAIR ADDED BUT DOES NOT EXTEND OUT TO DEFECT.



Span 4 Near Bearing 5: PAR--BEARING LATERAL RETROFIT PLATE ON LEFT SIDE OF BEARING WITH EXPOSED BENT ANCHOR BOLT DUE TO SPALL IN CAP



Span 3 Beam 5: PAR-- BEAM END AT BENT 3 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 2 INCHES WIDE WITH SECTION LOSS [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM. AT THE SAME END IN THE LOWER LEFT FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 3/4 INCHES AVERAGE REMAINS FULL WIDTH] FOR APPROXIMATELY 5 FEET LONG. AT 1.5 FEET OUT FROM THE SAME END IN THE LOWER 5 INCHES OF THE WEB, CORROSION WITH SECTION LOSS [AVERAGE 1/8 INCHES REMAINS] FOR APPROXIMATELY 3 FEET LONG.



Bent 3 Cap 1: SPALL 9 INCH X 9 INCH X 3 INCHES DEEP WITH EXPOSED REBAR NO LOSS IN PEDESTAL AT BEAM 5 NORTH FACE. PAR SENT UNDER BEARING



Span 5 Beam 1: PAR--1/4 INCH SECTION LOSS WITH 3/8 INCHES AVERAGE REMAINING FULL WIDTH OF BOTTOM FLANGE. BEAM END HAS BEEN PAINTED WITH ACTIVE SURFACE CORROSION PRESENT. BOLTED REPAIR REPAIR PLATE ADDED AND DOES NOT EXTEND UNDER DEFECT AT PIER 4.



BOLTED PLATE REPAIR TO BOTTOM FLANGE WEST AND BOTH FACES OF WEB AT BENT 4 SPAN 5 BEAM 1



Span 5 Beam 2: PAR--1 FEET LONG X 2 INCHES WIDE AREA OF PREVIOUS CORROSION WITH 1/4 INCHES REMAINING SECTION IN WEB AROUND END DIAPHRAGM AT BENT 4 AREA HAS BEEN PAINTED OVER AND ARRESTED.



Span 4 Beam 2: PAR--BEAM END AT BENT 4 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH SECTION LOSS [AVERAGE 3/8 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.



Span 4 Beam 3: PAR--BEAM END AT BENT 4 AT THE INTERFACE WITH THE REINFORCED CONCRETE DIAPHRAGM, THERE IS A BAND OF CORROSION UP TO 1 INCHES WIDE WITH SECTION LOSS [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 1 FEET LONG X UP TO THE FULL HEIGHT OF THE DIAPHRAGM.

BEAM END HAS BEEN PAINTED WITH NO ACTIVE CORROSION



Span 5 Beam 5: PAR--BEAM END AT BENT 4 IN THE LOWER FLANGE, CORROSION WITH SECTION LOSS [AVERAGE 1/4 INCHES AVERAGE REMAINS FULL WIDTH] FOR APPROXIMATELY 4 FEET LONG. AT THE SAME END IN THE LOWER 4 INCHES OF THE WEB, CORROSION WITH 100 PERCENT SECTION LOSS WITH 1 INCH X 1/2 INCH HOLE 2 FEET FROM BEAM END [AVERAGE 5/16 INCHES REMAINS] FOR APPROXIMATELY 4 FEET LONG.



Bent 4 Pile 1: VERTICAL CRACK 5 FEET LONG UP TO 1/8 INCHES WIDE AT NORTHEAST AND NORTHWEST CORNERS



Bent 4 Pile 2: 6 FOOT X 9 INCH AREA OF DELAMINATION AT NORTHWEST CORNER



End Bent 2 Cap 1: HORIZONTAL CRACK 4 FEET LONG UP TO 1/8 INCH WIDE IN FACE OF CAP UNDER BEAM 5



TYPICAL--SPALL WITH EXPOSED REBAR NO LOSS IN EAST/WEST EDGES OF DECK 4 INCHES DIAMETER X 1 INCHES DEEP IN SPAN 5 DECK



Span 5 Deck: 7 FEET LONG HAIRLINE DIAGONAL CRACK WITH MINOR EFFLORESCENCE IN UNDERSIDE OF DECK BAY 4 AT ABUTMENT 2

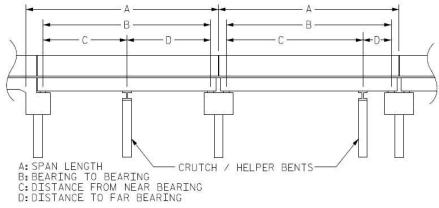


Bent 3 Pile 2: PAR--SOUTHEAST CORNER, SPALLING WITH EXPOSED REBAR [APPROXIMATELY 4 FEET HIGH X UP TO 1.25 FEET WIDE X UP TO 3 INCHES DEEP]

Structure Data Worksheet

Span Profile





Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	38.000	36.000			
2	37.500	36.500			
3	47.500	46.500			
4	32.500	31.500			
5	33.000	31.000			

Structure Number: 500037 Span: 3 Route Name: Railroad



LOOKING EAST THROUGH SPAN 3

Route Number: 80000	000	Route Na	ıme: F	Railroad	Reference Feature:	R		
Minimum Vertical Clear								
Total Horizontal Clearance 33.250 feet Lateral Clearances: Left: 21.500 feet Right 11.750 feet								
Base Highway Netwo	ork	LRS Inv	entory R	Route, Sub Route Num	ber			
Milepost: 0.000	Number	of Lanes:		ADT:	Year of A	DT:	Percentage of Trucks:	0
National Highway System STRAHNET Highway Designator								
Functional Classification Direction of Traffic:								

Bridge Inspection Field Sketch

MEASUREMENTS TAKEN 15 FT SOUTH OF END BENT 1

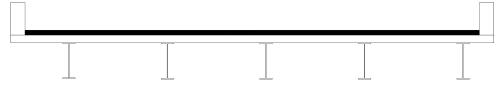


Roadway	23ft Wide	2 Paved Lanes	Looking North
Left Shoulder	5ft Wide	4ft Paved	1ft Unpaved
Right Shoulder	5ft Wide	4ft Paved	1ft Unpaved
Left Guardrail	5ft from road		
Right Guardrail	5ft from road		

Title APPROACH ROADWAY DETAIL	Title APPROACH ROADWAY DETAILS			n G NOR	TH		
Structure No: 500037	Drawn By:	LOOKING NORTH		Date:	11/6/2023	Filename:	S001470000454.wes

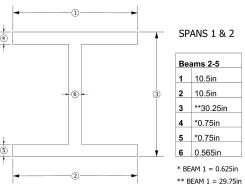
Bridge Inspection Field Sketch

Deck Width/Out to Out	Betwee		33.333ft			
Clear Roadway	30.083ft	Wearing	g Surface			4in
Median Width		Median	Height			
Curb Height		Left	7.5in	Right	7.5i	n
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left Right				
Guardrail Width		Left	10in	Right	10ir	ı
Top of Rail to Deck/Wearing Surfa	Left	1.917ft	Right	1.9	17ft	
Bridge Rail Type			Type 14	Right	Тур	e 14



Measurements for Span #	1		
Deck Thickness	6.5in	Left Overhang	4.041ft
Top of Rail to Bottom of Beam (Avg)	5.292ft	Right Overhang	4.041ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Plate Girder	10.5in	29.75in	4.041ft	Left Edge of Deck
2	Plate Girder	10.5in	30.25in	6.833ft	Beam 1
3	Plate Girder	10.5in	30.25in	6.833ft	Beam 2
4	Plate Girder	10.5in	30.25in	6.833ft	Beam 3
5	Plate Girder	10.5in	30.25in	6.833ft	Beam 4



SPAN 3	SPANS 4 & 5
SPAN 3	SPAINS 4 & S

AII	Beams	Bea	ams 2-4
1	12.0in	1	10.0in
2	12.0in	2	10.0in
3	35.875in	3	**27.875
4	0.938in	4	*0.75in
5	0.938in	5	*0.75in
6	0.625in	6	0.50in

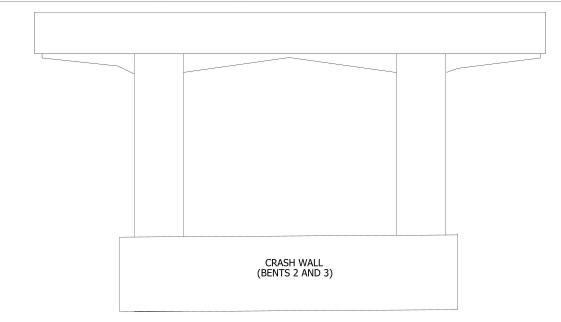
* BEAMS 1 & 5 = 0.625in

** BEAMS1 & 5 = 27.50in

Title TYPICAL SECTION DETAILS	Description SPANS 1 - 5

Structure No: 500037 Drawn By: RFW Date: 11/6/2023 Filename: S001470000455.wes





Ca	Caps													
#	Name	Туре					Length Width Hei		Left Beam to End of Cap		Right Beam to End of Cap			
1	1 Cap 1 Reinforced Concrete Pier Cap			39f	ft	30in	ĺ	38in	2ft		2ft			
Pi	Piles													
#	Name		Туре		Spacing	3	From			Height/Diam	. Width	Length		
1 Pile 1 Reinforced Concrete Colum				ın	n 9.5ft Left End of		End of Bent 4		45in	24in	25ft			
2 Pile 2 Reinforced Concrete Colum		ın	20ft		Pile 1			45in	24in	25ft				

Title BENT DETAILS			Descriptio BENTS 1				
Structure No: 500037	Drawn By:	RFW		Date:	11/6/2023	Filename:	S001470000456.wes



GUARDRAIL TERMINAL END NORTHWEST CORNER ALL OTHERS SIMILAR



LOOKING SOUTH



GUARDRAIL POST SPACING MIDWAY NORTHWEST SHOWN ALL OTHERS SIMILAR



GUARDRAIL POST SPACING AT BRIDGE NORTHWEST SHOWN ALL OTHERS SIMILAR



GUARDRAIL ATTACHMENT TO BRIDGE NORTHWEST SHOWN ALL OTHERS SIMILAR



POSTING SIGN AT NORTH APPROACH



LOOKING WEST OVER SPAN 3



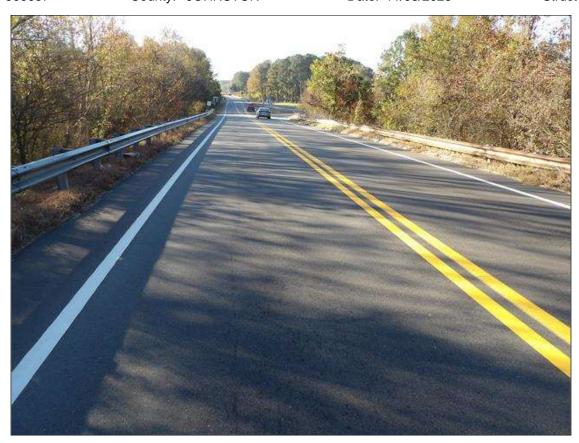
LOOKING EAST OVER SPAN 3



POSTING SIGN AT SOUTH APPROACH



LOOKING NORTH



SOUTH APPROACH LOOKING SOUTH



NORTH APPROACH LOOKING NORTH



NEW ASPHALT WEARING SURFACE



ABUTMENT 1, ABUTMENT 2 SIMILAR



PIER 1, PIER 4 SIMILAR



PIER 2, PIER 3 SIMILAR



SUPERSTRUCTURE UNDERSIDE SPAN 2 SHOWN ALL OTHERS SIMILAR



WEST ELEVATION



LOOKING EAST THROUGH SPAN 3



LOOKING WEST THROUGH SPAN 3



EAST ELEVATION



TYPICAL BEARING BEAM 2 AT PIER 1 SPAN 2 SHOWN