NC DEPARTMENT OF TRANSPORTATION

ATTENTION: PRIORITY ACTION REQUEST ISSUED; CHANGE TO APPROACH ROADWAY DATA



DIVISION OF HIGHWAYS

STRUCTURE MANAGEMENT UNIT

Structure Safety Report

		Ro	outine Eler	nent l	nspectior	n - Contra	act	
STRUCTURE NUMB	ER: 4301	58	SAP STRUCT	JRE NO:	0440158	Fł	IWA STRUCTURE NO:	00000000870158
DIVISION: 14	COUNTY:	HAYWOOD		INSPE	CTION DATE:	05/09/2023	FREQUENCY:	24 MONTHS
FACILITY CARRIED:	US23,74	I SBL						
LOCATION: 0.1 MI.S	S.JCT.US1	19,23						
FEATURE INTERSEC	CTED: RIC	CHLAND CRE	EK					
LATITUDE: 35° 30'	58.3"			ITUDE:	82° 58' 12.2	4"		
SUPERSTRUCTURE	: REINF	ORCED CON	CRETE FLOOF	r on i-e	BEAMS			
	.BTS:RC	CAPS/H-PILE	S;INT.BTS:RC	POST&	BEAM			
SPANS: 4 SPANS	S. SEE SP	AN PROFILE	SHEET FOR S	SPAN DI	ETAILS			
FRACTURE CRI	TICAL		ARY SHORING	€ □	SCOUR CRI	TICAL	SCOUR PLAN O	F ACTION
GRADES: (Inspector	/NBI Coding)	DECK 6/6	SUPERST	RUCTU	RE <u>4/4</u>	SUBSTRU	CTURE 5/5 CU	LVERT N/N
POSTED SV: Not F	Posted				POSTED T	IST: Not Po	sted	

OTHER SIGNS PRESENT: NONE

	and in		Sign noticed issued for		Number Required
		All and a	NO	WEIGHT LIMIT	0
		A Reader All	NO	DELINEATORS	0
		- Description	NO	NARROW BRIDGE	0
			NO	ONE LANE BRIDGE	0
			NO	LOW CLEARANCE	0
			INSPI	TION OF S-N ECTION S-N CTION ES PLANS	
LOOKING NORTH					
INSPECTED BY Mike Lee	SIGNATURE	Mike Le	ASSISTED BY	Mat Spencer	

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

07/27/2023

IDENTIFICATION		SUFFICIENCY RATING
(1) STATE NAME NORTH CAROLINA BRIDGE (8) STRUCTURE NUMBER (FEDERAL)	430158 0870158	STATUS =
(5) INVENTORY ROUTE (ON/UNDER) ON	121000230	(
(2) STATE HIGHWAY DEPARTMENT DISTRICT	14	(112) NBIS BRIDGE SYSTEM
(3) COUNTY CODE (FEDERAL) 87 (4) PLACE CODE	71500	(104) HIGHWAY SYSTEM
(6) FEATURE INTERSECTED RICHLAND CREEK		(26) FUNCTIONAL CLASS
(7) FACILITY CARRIED US23,74 SBL (9) LOCATION 0.1 MI.S.JCT.US19,23		(100) STRAHNET HIGHWAY
(1) MILEPOINT	0.0	(100) STRAINET HIGHWAT
(12) BASE HIGHWAY NETWORK	1	
(13) LRS INVENTORY ROUTE & SUBROUTE	20023	(102) DIRECTION OF TRAFFIC
(16) LATITUDE 35° 30' 58.3 " (17) LONGITUDE	82° 58' 12.24"	(103) TEMPORARY STRUCTURE
(98) BORDER BRIDGE STATE CODE PERCENT SHAR (99) BORDER BRIDGE STRUCTURE NUMBER	ED	(110) DESIGNATED NATIONAL N
		(20) TOLL
STRUCTURE TYPE AND MATERIAL		(21) MAINT -
(43) STRUCTURE TYPE MAIN	Steel	(22) OWNER -
TYPE Stringer/Multi-beam or girder C	ODE 302	(37) HISTORICAL SIGNIFICANCE
(44) STRUCTURE TYPE APPROACH		
ТҮРЕ С	ODE	(58) DECK
(45) NUMBER OF SPANS IN MAIN UNIT	4	(59) SUPERSTRUCTURE
(46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE
(107) DECK STRUCTURE TYPE C	ODE 1	(61) CHANNEL & CHANNEL PRO
(108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS
(A) TYPE OF WEARING SURFACE C	ODE 6	LOAD R
(B) TYPE OF MEMBRANE C	ODE 0	(31) DESIGN LOAD
(C) TYPE OF DECK PROTECTION C	ODE 0	(63) OPERATING RATING METH
AGE AND SERVICE		(64) OPERATING RATING -
(27) YEAR BUILT	1965	(65) INVENTORY RATING METHO
(106) YEAR RECONSTRUCTED	0	(66) INVENTORY RATING
(42) TYPE OF SERVICE ON -	Highway	(70) BRIDGE POSTING
OFF - Waterway C	ODE 15	(41) STRUCTURE OPEN, POSTE
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTU	RE 0	DESCRIPTION
(29) AVERAGE DAILY TRAFFIC	15750	
(30) YEAR OF ADT 2020 (109) TRUCK ADT PCT	12	(67) STRUCTURAL EVALUATION
(19) BYPASS OR DETOUR LENGTH	1.0	(68) DECK GEOMETRY
GEOMETRIC DATA	-	(69) UNDERCLEARANCES, VER
(48) LENGTH OF MAXIMUM SPAN	49.0	(71) WATERWAY ADEQUACY
(49) STRUCTURE LENGTH	200.0	(72) APPROACH ROADWAY ALIO
(50) CURB OR SIDEWALK: LEFT 0.9 RIGHT	0.9	(36) TRAFFIC SAFETY FEATURE
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB	28.0	(113) SCOUR CRITICAL BRIDGE
(52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WITH (W/ SHOULDERS)	33.3 28.0	· · ·
(33) BRIDGE MEDIAN Open median COE		(75) TYPE OF WORK
(34) SKEW 30 (35) STRUCTURE FLARED	0	(76) LENGTH OF STRUCTURE IN
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	28.0	(94) BRIDGE IMPROVEMENT CC
(53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR: REFERENCE	999.9 0.0	(95) ROADWAY IMPROVEMENT
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE N	0.0	(96) TOTAL PROJECT COST
(56) MIN LAT UNDERCLEARANCE LT:	0.0	(97) YEAR OF IMPROVEMENT C
· /		(114) FUTURE ADT
(38) NAVIGATION CONTROL - C	ODE 0	(90) INSPECTION DATE
		(90) INSPECTION DATE (92) CRITICAL FEATURE INSPEC
	ODE	
	0.0	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP
		SCOUR

SUFFICIENCY RATING		49.43
STATUS =	Structurally	/ Deficient
	CLASSIFICATION	CODE
(112) NBIS BRIDGE SYSTEM		YES
(104) HIGHWAY SYSTEM	Inventory Route is on NHS	1
(26) FUNCTIONAL CLASS	Urban Principal Arterial - Other Freeways	12
(100) STRAHNET HIGHWAY	Non-Interstate STRAHNET Route	2
(101) PARALLEL STRUCTURE	The left structure of parallel bridges	L
(102) DIRECTION OF TRAFFIC	1-way traffic	1
(103) TEMPORARY STRUCTUR	E	
(110) DESIGNATED NATIONAL	NETWORK - on natiional network for trucks	1
(20) TOLL	On Free Road	3
(21) MAINT -		01
(22) OWNER -		01
(37) HISTORICAL SIGNIFICANO	E -	5
	CONDITION	CODE
(58) DECK		6
(59) SUPERSTRUCTURE		4
(60) SUBSTRUCTURE		5
(61) CHANNEL & CHANNEL PR	OTECTION	7
(62) CULVERTS		N
-	RATING AND POSTING	CODE
(31) DESIGN LOAD	H 20 + Mod	6
(63) OPERATING RATING MET		1
(64) OPERATING RATING -	HS-47	84
(65) INVENTORY RATING MET		1
(66) INVENTORY RATING	HS-28	50
(70) BRIDGE POSTING	No Posting Required	5
(41) STRUCTURE OPEN, POST		Α
DESCRIPTION	Open, no restriction	0005
(67) STRUCTURAL EVALUATIO	APPRAISAL	CODE 4
(68) DECK GEOMETRY		3
(69) UNDERCLEARANCES, VEI		N
(71) WATERWAY ADEQUACY		7
(72) APPROACH ROADWAY AL	IGNMENT	8
(36) TRAFFIC SAFETY FEATUR		0000
(113) SCOUR CRITICAL BRIDG		8
· · · ·		
(75) TYPE OF WORK	COD	E
(76) LENGTH OF STRUCTURE	IMPROVEMENT	
(94) BRIDGE IMPROVEMENT C	OST	
(95) ROADWAY IMPROVEMEN	r cost	
(96) TOTAL PROJECT COST		
(97) YEAR OF IMPROVEMENT	COST ESTIMATE	
(114) FUTURE ADT	31,500 YEAR OF FUTURE ADT	2040
(90) INSPECTION DATE	05/23 (91) FREQUENCY	24
(92) CRITICAL FEATURE INSPE		IE
A) FRACTURE CRIT DET		
B) UNDERWATER INSP	B)	

C)

			ertical				c			Traffic	nce			See N	lote Be	low			m	
Span Number	Facility Carried	Inventory Route	Maximum Minimum Ver Clearance	Milepoint	Base Highway	LRS Inventory Route	Functional Classification	Number of Lanes	Average Daily Traffic	Year of Average Daily 1	Total Horizontal Cleara	Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	Left Lateral Underclearance	ercle aisa	STRAHNET Highway	Direction of Traffic	National Highway Syster	National Truck Network
	7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
4	Greenway	88000000		0.0							23.0	G	7.9	4.0	11.0					

Note: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69.

Superstructure Build Details

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1860
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1663	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Galvanized Protective System	4
4	Fixed Bearing	Fixed Bearing	4	Each	Galvanized Protective System	4
1	Asphalt Wearing Surface	Wearing Surface	1400	Square Feet		
1	Concrete and Metal Railing	Other Bridge Railing	50	Feet		
Span Nu	ımber <u>2</u> Sp	an Length 50.000		Sk	ew 120.000	

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1400	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1860
1	Concrete and Metal Railing	Other Bridge Railing	50	Feet		
4	Movable Bearing	Movable Bearing	4	Each	Galvanized Protective System	4
4	Fixed Bearing	Fixed Bearing	4	Each	Galvanized Protective System	4
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1663	Square Feet		
1	Standard Joint	Pourable Joint Seal	32	Feet		
Snan Nu	mhar 2 C r	an Length 50,000		CI.	ew 120.000	

Span Number $\underline{3}$ Span Length 50.000 Skew 120.000 Number Quantity (Sq Ft) of Items **Type of Component Element Name** Quantity **Protective System Applied** 1 Concrete and Metal Railing Other Bridge Railing 50 Feet 1 Asphalt Wearing Surface Wearing Surface 1400 Square Feet 1 Standard Joint Pourable Joint Seal 32 Feet

200

Feet

Steel Open Girder/Beam

Span Length 50.000

Span Number 1

4

Plate Girder

Skew 120.000

Legacy Red Lead Primer Systems with Various Topcoats

1856

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	1663	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Galvanized Protective System	4
4	Movable Bearing	Movable Bearing	4	Each	Galvanized Protective System	4
Span	Number <u>4</u> Spa	n Length <u>50.000</u>		Sk	ew 120.000	

Number of Items Type of Component		Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1400	Square Feet		
1	Standard Joint	Pourable Joint Seal	32	Feet		
1	Concrete and Metal Railing	Other Bridge Railing	50	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1663	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Galvanized Protective System	4
4	Fixed Bearing	Fixed Bearing	4	Each	Galvanized Protective System	4
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1860

Structure Element Scoring

Structure Number: 430158

Inspection Date 5/9/2023

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	6,652	1,350	5,300	2	0
107		Steel Open Girder/Beam	Beam	800	0	761	0	39
205		Reinforced Concrete Column	Piles and Columns	6	0	2	4	0
215		Reinforced Concrete Abutment	Abutments	80	75	0	5	0
225		Steel Pile	Piles and Columns	12	12	0	0	0
234		Reinforced Concrete Pier Cap	Caps	177	46	0	131	0
301		Pourable Joint Seal	Expansion Joints	96	96	0	0	0
311		Movable Bearing	Bearing Device	16	0	0	16	0
313		Fixed Bearing	Bearing Device	16	0	8	8	0
333		Other Bridge Railing	Bridge Rail	200	0	200	0	0
510		Wearing Surface	Wearing Surfaces	5,600	4,882	625	93	0
515	107	Steel Protective Coating	Beam	7,436	4,841	0	2,189	406
515	311	Steel Protective Coating	Bearing Device	16	0	0	0	16
515	313	Steel Protective Coating	Bearing Device	16	0	2	3	11

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 430158

Inspection Date: 05/09/2023

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	4800 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	2 Square Feet
3314	Steel Open Girder/Beam	Damage	2 Feet
3314	Steel Open Girder/Beam	Corrosion	41 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	21 Each
3348	Reinforced Concrete Column	Delamination/Spall	6 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	1 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	5 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	181 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	51 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	4 Feet
3334	Movable Bearing	Corrosion	16 Each
3334	Fixed Bearing	Corrosion	8 Each
3318	Other Bridge Railing	Delamination/Spall	2 Feet
2816	Wearing Surface	Crack (Wearing Surface)	716 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	2627 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	39	800	39.000	0.000	761.000	0.000
Beam	3342	Clean and Paint Steel	2595	7436	406.000	2189.000	0.000	4841.000
Bearing Device	3334	Bridge Bearing	16	16	0.000	16.000	0.000	0.000
Bearing Device	3334	Bridge Bearing	8	16	0.000	8.000	8.000	0.000
Bearing Device	3342	Clean and Paint Steel	16	16	16.000	0.000	0.000	0.000
Bearing Device	3342	Clean and Paint Steel	16	16	11.000	3.000	2.000	0.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	2	200	0.000	0.000	200.000	0.000
Deck	3326	Maintenance of Concrete Deck	4802	6652	0.000	2.000	5300.000	1350.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	96	0.000	0.000	0.000	96.000
Wearing Surfaces	2816	Asphalt Surface Repair	716	5600	0.000	93.000	625.000	4882.000
Abutments	3350	Maintenance of Concrete Wings and Wall	6	80	0.000	5.000	0.000	75.000
Caps	3348	Maintenance of Concrete Substructure	236	177	0.000	131.000	0.000	46.000
Piles and Columns	3348	Maintenance of Concrete Substructure	27	6	0.000	4.000	2.000	0.000
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	12	0.000	0.000	0.000	12.000

Priority Actions Request

pan1			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 1 Beam 1: PAR: CORROSION ALONG BOTTOM FLANGE AND WEB. FLANGE REDUCED TO 3/16 INCHES WITH 1/2 INCH AVERAGE REMAINING FOR 36 INCHES LONG X 11 5/8 INCHES WIDE BEGINNING AT FAR END. WEB ALSO REDUCED TO 3/8 INCHES WITH 7/16 INCH AVERAGE REMAINING THE FULL HEIGHT X 11 INCHES LONG BEGINNING AT THE FAR END.
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	5	Span 1 Beam 4: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 7/16 INCHES RESIDUAL WEB, AND 60 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO 5/16 INCHES RESIDUAL FLANGE AT BENT 1
pan2			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
3	Corrosion	8	Span 2 Beam 1: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE. WEB: UP TO 8 FEET LONG X FULL HEIGHT DOWN TO 1/8 INCHES RESIDUAL WEB WITH 4 INCHES WIDE X 7 INCHES HIGH X 1/2 INCHES DEEP BUCKLING AT THE BASE OF THE WEB. 8 FEET LONG X FULL WIDTH DOWN TO 1/16 INCHES RESIDUAL FLANGE AT BENT 1.
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	6	Span 2 Beam 4: PAR: CORROSION ALONG BOTH FACES OF WEB, BOTTOM FLANGE AND LEFT STIFFENER UP TO 60 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 1/2 INCHES RESIDUAL WEB, 66 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO KNIFE'S EDGE RESIDUAL FLANGE WITH 2 INCHES 3 INCHES LOSS OF SECTION, AND 10 INCHES HIGH X 5 INCHES WIDE DOWN TO KNIFE'S EDGE RESIDUAL STIFFENER WITH 1 INCHES DIAMETER HOLE A BENT 1; TIMBER BLOCK ADDED ADJACENT TO BEAM
pan3			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	4	Span 3 Beam 1: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 43 INCHES LONG X 10 INCHES HIGH DOWN TO 1/2 INCHES RESIDUAL WEB, AND 36 INCHES LONG X UP TO 11 INCHES WIDE WITH SECTION LOSS DOWN TO KNIFES EDGE WITH 1/4 INCH AVERAGE REMAING FULL WIDTH OF FLANGE WITH 8 INCH X 2 INCH AREA AT BEARING

Priority Actions Request

Structure Number 430158

THAT IS PAPER THIN WITH PERFORATIONS ON RIGHT SIDE AT BENT 3

3314	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 2: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 10 INCHES LONG X 4 INCHES HIGH DOWN TO 1/4 INCHES RESIDUAL WEB, AND 12 INCHES LONG X 5 1/2 INCHES WIDE DOWN TO 3/8 INCHES RESIDUAL FLANGE AT BENT 2
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	6	Span 3 Beam 4: PAR6 FOOT LONG CORROSION IN BOTTOM FLANGE REPAIR PLATE WITH 1/4 INCH AVERAGE REMAINING WITH 1 1/2 INCH X 1/2 INCH HOLE IN LEFT SIDE AT 18 INCHES FROM BEARING, BOTTOM FLANGE BELOW REPAIR PLATE WITH 3/8 INCH AVERAGE REMAINING WITH 24 INCH X UP TO 1 1/2 INCH WIDE HOLE IN LEFT SIDE STARTING AT BEARING. MEASUREMENTS OF WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 21 1/2 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 60 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK IN FLANGE AT BENT 2

Span4

3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	7	Span 4 Beam 1: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 72 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 7/16 INCHES RESIDUAL WEB, AND 82 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO 3/8 INCHES RESIDUAL FLANGE AT BENT 3

Bent 1

3348	3	Cap 1	Reinforced Con	Concrete Pier Cap					
Prior Lev	•	Defect Type	Quantity	Defect Description					
(2	Delamination/Spall	5	Bent 1 Cap 1: PAR: 50 INCHES X 4 INCHES X 5 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM AND SPAN 1 FACE OF CAP AT LEFT END					

Bent 2

3348	Cap 1	Reinforced Cor	Reinforced Concrete Pier Cap				
Priority Level	Defect Type	Quantity	Defect Description				
 2	Patched Area	4	Bent 2 Cap 1: PAR: 30 INCHES X 30 INCHES X 12 INCHES DEEP SPALL WITH				
? Priority A	ction Request (PAR)	1 Assigned Routine	Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find				

Priority Actions Request

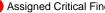
Structure Number 430158

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EXPOSED REBAR WITH MINOR SECTION LOSS AND FAILED REPAIR WITH 4 FEET SECTION OF FORMWORK IN RIGHT END OF CAP

Bent 3

3348	Cap 1	Reinforced Co	ncrete Pier Cap			
Priority Level	Defect Type	Quantity	Defect Description			
2	Delamination/Spall	7	Bent 3 Cap 1: PAR: 78 INCHES X 30 INCHES X 9 INCHES AREA OF DELAMINATION WITH UP TO 1/16 INCHES VERTICAL AND HORIZONTAL CRACKS AND 48 INCHES X 6 INCHES X 6 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN TOP, BOTTOM, LEFT END AND SPAN 3 FACE OF CAP			
2	Delamination/Spall	17	Bent 3 Cap 1: PAR: 96 INCHES X 6 INCHES X 9 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 125 INCHES X 6 INCHES X 12 INCHES AREA OF DELAMINATION WITH UP TO 1/4 INCHES LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND SPAN 4 FACE OF CAP BETWEEN COLUMNS			



Element Condition and Maintenance Data

Structure	Number: 430158					In	spection D	ate: 05/09/2023
Spa	an 1	Deck						
Rei	nforced Concrete	Deck						
	ment mber Reinfor	Element Name ced Concrete Deck	Total Qty 1,663	CS1 Qty 162	CS2 Qty 1,500	CS3 Qty 1	CS4 Qty 0 S	quare Feet
Elemer Numbe	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
√ 12	Delamination/Spall	8 INCHES DIAMETER X 4 INCHES D INCHES BOTTOM OF DECK AT COP LOCATION INCHES BAY 1, APPROX FEET FROM BENT 1	RED HOLE		3	1	1	Square Feet
√ 12	Cracking (RC and Other)	ALONG BOTH OVERHANG DECK SO HAIRLINE MAP CRACKING WITH AE TO 1/16 INCH DEEP WITH EXPOSEI AGGREGATE AND EFFLORESCEN STAINING	BRASION UP D BUT SECURE		2	300	300	Square Feet
√ 12	Cracking (RC and Other)	UP TO 1/32 INCHES TRANSVERSE LONGITUDINAL AND HAIRLINE MAR WITH AND WITHOUT EFFLORESCE BOTTOM OF DECK INCHES VARIOU	P CRACKS NCE INCHES		2	1,200	1,200	Square Feet

Spa	an 1		E	Beam 1						
Plat	te Girder									
Nu	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	F (
107		Steel Open			50	0	48	0		Feet
515		Steel Protec	tive Coating		465	290	0	150	25	Square Feet
Elemer Numbe	Defe ef 7	Гуре		Defect Description			cs	CS Qty	Maint Qty	
√ 107	Corrosion	W 1/ LC Er 7/ HI	EB. FLANGE RED 2 INCH AVERAGE DNG X 11 5/8 INCH ND. WEB ALSO RI 16 INCH AVERAG	ALONG BOTTOM FL DUCED TO 3/16 INCH REMAINING FOR 3 HES WIDE BEGINNIN EDUCED TO 3/8 INC E REMAINING THE I ES LONG BEGINNIN	IES WITH 6 INCHES NG AT FAR HES WITH FULL		4	2	:	2 Feet
v 107	Corrosion		REAS OF SURFAC EAM	CE CORROSION THE	ROUGHOUT		2	44		Feet
√ 107	Corrosion	SI FL	ECTION ALONG R	NO MEASURABLE L IGHT EDGE OF BOT S LONG X 3 INCHES	ГТОМ		2	1		Feet
√ 107	Corrosion	SI FL IN LC 36 B0	ECTION ALONG R ANGES UP TO 27 ICHES WIDE INCH DNG X 31 1/2 INCH NCHES LONG X	NO MEASURABLE L IGHT FACE OF WEE 7 INCHES LONG X 5 IES TOP FLANGE, 2 HES HIGH INCHES V 5 1/2 INCHES WIDE APPROXIMATELY 1	3 AND 1/2 7 INCHES VEB, AND E INCHES		2	3		Feet
√ 515	Effectiveness Protective Co	atings) A	-	WITH BARE METAL D APPROXIMATELY			4	25	2	5 Square Feet

Structure Number: 430158

AREAS OF DETERIORATED PAINT SYSTEM THROUGHOUT BEAM

Inspection Date: 05/09/2023

150 150 Square Feet

3

<mark>√</mark> 515 Effectiveness (Steel Protective Coatings) **General Comments**

		-						
Spa	an 1	Beam 2						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	ben Girder/Beam	50	0	50	0	0 F	eet
515	Steel Pr	otective Coating	465	313	0	152	0 S	quare Feet
Elemer Numbe	Defect Turne	Defect Description	n		CS	CS Qty	Maint Qty	
√ 107	Corrosion	AREAS OF SURFACE CORROSION TI BEAM	HROUGHOUT	-	2	48	-	Feet
√ 107	Corrosion	FRECKLED SURFACE RUST ALONG I ON WEB AND FLANGES AT BENT 1 E			2	2		Feet
✓ 515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED PAINT SY THROUGHOUT BEAM	/STEM		3	150	150	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE META AT BENT 1 END.	AL EXPOSED		3	2	2	Square Feet
	General Comments							
Spa	an 1	Beam 3						
Plat	te Girder							

Elen Num 107	nber	Element Name ben Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0 Fe	et
515	Steel Pr	otective Coating	465	313	0	152	0 Sq	uare Feet
Element Number	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
/ 107	Corrosion	AREAS OF SURFACE CORROS BEAM	ION THROUGHOUT	-	2	48	-	Feet
107	Corrosion	FRECKLED SURFACE RUST AL ON WEB AND FLANGES AT BE			2	2		Feet
515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED PA THROUGHOUT BEAM	INT SYSTEM		3	150	150	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE AT BENT 1 END.	METAL EXPOSED		3	2	2	Square Feet

General Comments

Beam 4

Plate Girder

Span 1

Plate	Girder							
Eleme Numb 107	per	Element Name	Total Qty 50	CS1 Qty 0	CS2 Qty 45	CS3 Qty 0	CS4 Qty	Feet
515		Protective Coating	465	299	0	150	-	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
☑ 107 (Corrosion	PAR: CORROSION ALONG BOT AND BOTTOM FLANGE UP TO 6 31 1/2 INCHES HIGH DOWN TO RESIDUAL WEB, AND 60 INCHE INCHES WIDE DOWN TO 5/16 IN FLANGE AT BENT 1	0 INCHES LONG X 7/16 INCHES S LONG X 11 5/8		4	5	ł	5 Feet

Structure Number: 430158 Inspection Date: 05/09/202								
√ 107	Corrosion	AREAS OF SURFACE CORROSION THROUGHOUT BEAM	2	45		Feet		
√ 107	Corrosion	FRECKLED SURFACE RUST ALONG BEAM ENDS ON WEB AND FLANGES AT BENT 1 END NOT OBSERVED DURING 2021 INSPECTION	2			Feet		
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE METAL EXPOSED AT BENT 1 END.	4	16	16	Square Feet		
✓ 515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	3	150	150	Square Feet		
	General Comments							

General Comme

Span 1

Wearing Surface

Asphalt Wearing Surface

	nent nber Wearing	Element Name Surface	Total Qty 1,400	CS1 Qty 1,191	CS2 Qty 209	CS3 Qty 0	CS4 Qty 0 S	quare Feet
Elemen Numbe	Dofoct Type	Defect Description			CS	CS Qty	Maint Qty	
✓ 510	Crack (Wearing Surface)	UP TO 1/32 INCHES DIAGONAL CRACK END BENT 1 FILL FACE INCHES INSIDE			2	8	8	Square Feet
√ 510	Crack (Wearing Surface)	UP TO 1/32 INCHES TRANSVERSE AND LONGITUDINAL CRACKS INCHES VARI LOCATIONS	-		2	200	200	Square Feet
√ 510	Patched Area/Pothole (Wearing Surface)	8 INCHES DIAMETER PATCHED CORE INCHES OUTSIDE LANE, APPROXIMAT FEET FROM BENT 1	-		2	1		Square Feet

Concret	e and Metal F	Railing						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other E	Bridge Railing	50	0	50	0	0 F	eet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
] 333 Cra Oth	cking (RC and er)	FULL LENGTH ABRASION UP WITH EXPOSED BUT SECURE UP TO 0.035 INCHES TRANSV VERTICAL CRACKS SCATTER	AGGREGATE WITH ERSE AND		2	50	-	Feet
Gene	eral Comments							

S	Span 1			Near Bearing						
F	ixed Bearing									
	Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
3	13	Fixed Bearin	ng		1	0	1	0	0	Each
5	15	Steel Protec	tive Coating		1	0	0	0	1	Square Feet
	nent nber Defect	Туре		Defect Description			CS	CS Qty	Maint Qty	
√ 31	3 Corrosion	-		EAR BEARING: CORR ABLE SECTION LOSS			2	1		Each
√ 51	5 Effectiveness Protective Co	•	MITED EFFECTIN NDERLYING MET	/ENESS, NO PROTEC TAL	TION OF		4	1		1 Square Feet

Spa	an 1	Far Bearing	g					
Мо	vable Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme	Defect Tune	Defect Desc	cription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	SPAN 1 BEAM 1 FAR BEARING WITH NO MEASURABLE SECTION			3	1	•	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE N			4	1		1 Square Feet
	General Comments							
Sn	an 1	Near Beari	na					
•	ed Bearing	Near Dear						
			T - 4 - 1	004	000	000	004	
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Eleme Numbe	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
√ 313	Corrosion	SPAN 1 BEAM 2 NEAR BEARING SURFACE RUST ON PLATE SUI			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTE BEAM 2 BEARING	M THROUGHOUT		3	1		1 Square Feet
	General Comments							
Spa	an 1	Far Bearing	g					
Мо	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numbe		Defect Desc	cription		CS	CS Qty	Maint Qty	
√ 311	Corrosion	SPAN 1 BEAM 2 FAR BEARING WITH NO MEASURABLE SECTION			3	1	•	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE N			4	1		1 Square Feet
	General Comments							

Span 1

Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 313	Corrosion	SPAN1 BEAM 3 NEAR BEARIN SURFACE RUST ON PLATE SU			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTE BEAM 3 BEARING	M THROUGHOUT		3	1		1 Square Feet
	General Comments							

Spa	an 1	Far Bearir	ng					
Мо	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofact Type	Defect Des	scription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	SPAN1 BEAM 3 FAR BEARING WITH NO MEASURABLE SECT			3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE	METAL EXPOSED.		4	1		1 Square Feet

General Comments

Span 1

Near Bearing

Fixed Bearing

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel P	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	Dofoot Typo	Defect Descrip	tion		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	SPAN 1 BEAM 4 NEAR BEARING: F SURFACE RUST ON PLATE SURFA			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, NO PRO UNDERLYING METAL	OTECTION OF		4	1		1 Square Feet

General Comments

Far Bearing

Movable Bearing

Span 1

Eleme Numb 311	er	Element Name le Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel F	Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 311 C	Corrosion	SPAN 1 BEAM 4 FAR BEARING WITH NO MEASURABLE SECT			3	1	-	1 Each

<mark>√</mark> 515

PAINT IS FAILING WITH BARE METAL EXPOSED.

1 1 Square Feet

4

3

150

150 Square Feet

		Deal					
Reil	nforced Concrete	Deck					
	ment nber Reinford	Element Name ced Concrete Deck	Total Qty 1,663	CS1 Qty 463	CS2 Qty 1,200	CS3 Qty 0	CS4 Qty 0 Square Feet
Elemen	nt						Maint
Numbe			•		CS	CS Qty	Qty
]12	Cracking (RC and Other)	UP TO 1/32 INCHES TRANSVERS LONGITUDINAL AND HAIRLINE M WITH AND WITHOUT EFFLORES BOTTOM OF DECK INCHES VARI	AP CRACKS CENCE INCHES		2	1,200	1,200 Square Feet
	General Comments						
Spa	ın 2	Beam 1					
Plat	te Girder						
	ment mber Steel O	Element Name pen Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 42	CS3 Qty 0	CS4 Qty 8 Feet
515	Steel Pr	otective Coating	465	255	0	150	60 Square Feet
Elemen Numbe	Defect Turne	Defect Descri	ption		CS	CS Qty	Maint Qty
] 107	Corrosion	PAR: CORROSION ALONG BOTH AND BOTTOM FLANGE. WEB: UP LONG X FULL HEIGHT DOWN TO RESIDUAL WEB WITH 4 INCHES Y HIGH X 1/2 INCHES DEEP BUCKI BASE OF THE WEB. 8 FEET LONG DOWN TO 1/16 INCHES RESIDUA BENT 1.	TO 8 FEET 1/8 INCHES WIDE X 7 INCHES LING AT THE G X FULL WIDTH		4	8	8 Feet
107	Corrosion	AREAS OF SURFACE CORROSIC BEAM	N THROUGHOUT		2	34	Feet
<u>]</u> 107	Corrosion	AT BENT 2 END, REPAIR HAS BE CONSISTING OF 6 INCH X 6 INCH ANGLE THAT IS 5 FEET LONG BC AND FLANGE WITH 3/4 INCH DIAI SPACED AT 6 INCH ON CENTER. INCH LONG X 1 FEET 9 INCH HIG THICK PLATE ALSO BOLTED WIT DIAMETER BOLTS. ANGLE HAS 1 SECTION LOSS ON OUTER EDGE INCH AVERAGE REMAINING AND SURFACE CORROSION.	A X 1/2 INCH DLTED TO WEB METER BOLTS WEB HAS 10 H X 3/8 INCH H 3/4 INCH /16 INCH ES WITH 7/16		2	5	Feet
107	Corrosion	CORROSION WITH NO MEASURA SECTION ALONG BOTH FACES O BOTTOM FLANGE UP TO 36 INCH INCHES HIGH INCHES WEB, AND LONG X 5 1/2 INCHES WIDE INCH EXTENDING FROM BOLTED PLA APPROXIMATELY 5 FEET FROM	DF WEB AND HES LONG X 2 0 36 INCHES HES FLANGE, TE REPAIR		2	3	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE N ON BEAM ENDS.	IETAL EXPOSED		4	60	60 Square Feet

AREAS OF DETERIORATED PAINT SYSTEM

THROUGHOUT BEAM

Protective Coatings) **General Comments**

Effectiveness (Steel

✓ 515

Effectiveness (Steel Protective Coatings) **General Comments**

Structure Number: 430158

BENT 1 LEFT OVERHANG DIAPHRAGM, SPALL 1 FEET LONG X 2 FEET WIDE X UP TO 3 INCH DEEP WITH EXPOSED REBAR WITH NO SECTION LOSS 6 INCH X 6 INCH X 1/2 INCH ANGLE THAT IS 5 FEET LONG BOLTED TO WEB AND FLANGE WITH 3/4 INCH DIAMETER BOLTS SPACED AT 6 INCH ON CENTER. WEB HAS 10 INCH LONG X 1 FEET 9 INCH HIGH X 3/8 INCH THICK PLATE ALSO BOLTED WITH 3/4 INCH DIAMETER BOLTS.

Spa	n 2	Beam 2						
Plate	e Girder							
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	50	0	50	0	0	Feet
515	Steel	Protective Coating	465	280	0	185	0	Square Feet
Elemen Number	Defe of Trues	Defect Desc	ription		CS	CS Qty	Maint Qty	
/ 107	Corrosion	AREAS OF SURFACE CORROS	ION THROUGHOUT		2	43		Feet
∕ 107	Corrosion	CORROSION WITH NO MEASUF SECTION ALONG BOTH FACES BOTTOM FLANGE UP TO 42 INC INCHES HIGH INCHES WEB, AN LONG X 12 5/8 INCHES WIDE IN EXTENDING FROM WELDED PL APPROXIMATELY 3 FEET FROM	OF WEB AND CHES LONG X 3 ID 38 INCHES ICHES FLANGE, LATE REPAIR		2	4		Feet
<u>ר</u> 107	Corrosion	CORROSION WITH NO MEASUF SECTION ALONG WELDED PLA BOTH FACES OF WEB AND BO TO 36 INCHES LONG X 20 INCH THICK INCHES WEB, AND 36 IN INCHES WIDE X 4 INCH HIGH X ANGLE INCHES FLANGE AT BE	TE REPAIRS ON TTOM FLANGE UP IES HIGH 1/2 INCH CHES LONG X 4 1/2 INCH THICK		2	3		Feet
∕ 515	Effectiveness (Steel Protective Coatings)		INT SYSTEM		3	125	125	5 Square Feet
7 515	Effectiveness (Steel Protective Coatings)	-	METAL EXPOSED		3	60	60) Square Feet
-	General Comments							

WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 36 INCHES LONG X 20 INCHES HIGH 1/2 INCH THICK IN WEB, AND 36 INCHES LONG X 4 INCHES WIDE X 4 INCH HIGH X 1/2 INCH THICK ANGLE IN FLANGE AT BENT 2

Spar	n 2	Beam 3						
Plate	e Girder							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	50	0	50	0	0 F	eet
515	Steel Pr	otective Coating	465	305	0	125	35 S	quare Feet
Element Number	Defect Tune	Defect Descript	tion		CS	CS Qty	Maint Qty	
√ 107	Corrosion	AREAS OF SURFACE CORROSION BEAM	THROUGHOUT		2	43	-	Feet
V 107	Corrosion	CORROSION WITH NO MEASURAB SECTION ALONG BOTH FACES OF BOTTOM FLANGE UP TO 55 INCHE INCHES HIGH INCHES WEB, AND 4 LONG X 11 5/8 INCHES WIDE INCH BENT 1	WEB AND S LONG X 6 6 INCHES		2	5		Feet
√ 107	Corrosion	FRECKLED SURFACE RUST ALON ON WEB AND FLANGES AT BENT 2			2	2		Feet
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE ME ON BEAM ENDS.	TAL EXPOSED		4	35	35	Square Feet
√ 515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED PAINT THROUGHOUT BEAM	SYSTEM		3	125	125	Square Feet
Ī	General Comments							

Spa	an 2		Beam 4						
Pla	te Girder								
	ment mber	Steel O	Element Name pen Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 44	CS3 Qty 0	CS4 Qty 6 F	eet
515			otective Coating	465	280	0	125	60 S	Square Feet
Elemer Numbe	Defect	Туре	Defect Descri	ption		cs	CS Qty	Maint Qty	
_ 107	Corrosion		PAR: CORROSION ALONG BOTH BOTTOM FLANGE AND LEFT STIF 60 INCHES LONG X 31 1/2 INCHES TO 1/2 INCHES RESIDUAL WEB, 6 X 11 5/8 INCHES WIDE DOWN TO RESIDUAL FLANGE WITH 2 INCH LOSS OF SECTION, AND 10 INCH INCHES WIDE DOWN TO KNIFE'S RESIDUAL STIFFENER WITH 1 IN HOLE AT BENT 1; TIMBER BLOC ADJACENT TO BEAM	FFENER UP TO S HIGH DOWN 66 INCHES LONG D KNIFE'S EDGE ES X 3 INCHES IES HIGH X 5 FEDGE CHES DIAMETER		4	6	6	Feet
/ 107	Corrosion		AREAS OF SURFACE CORROSIO BEAM	N THROUGHOUT		2	41		Feet
107	Corrosion		CORROSION WITH NO MEASURA SECTION ALONG WELDED PLATI BOTH FACES OF WEB AND BOTT TO 30 INCHES LONG X 14 INCHE INCH THICK INCHES WEB, AND 3 X 4 INCHES WIDE X 1/2 INCH THI FLANGE AT BENT 2	E REPAIRS ON OM FLANGE UP S HIGH X 1/2 0 INCHES LONG		2	3		Feet
107	Corrosion		CORROSION WITH NO MEASURA SECTION ALONG WELDED PLATE RIGHT FACE OF WEB AND BOTTO TO 24 INCHES LONG X 24 INCHES WEB, AND 24 INCHES LONG X 4 I INCHES FLANGE AT BENT 1	E REPAIRS ON OM FLANGE UP S HIGH INCHES		2			Feet
515	Effectiveness Protective Co	`	PAINT HAS FAILED WITH BARE M ON BEAM ENDS.	IETAL EXPOSED		4	60	60	Square Feet
515	Effectiveness Protective Co	`	AREAS OF DETERIORATED PAIN THROUGHOUT BEAM	T SYSTEM		3	125	125	Square Feet

TIMBER BLOCK ADJACENT TO BEAM IN BAY 3. BEAM 4 SPAN 2 WITH WELDED PLATE REPAIRS ON RIGHT FACE OF WEB AND BOTTOM FLANGE 24 INCHES LONG X 24 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 24 INCHES LONG X 4 INCHES X 1/2 IMCH THICKWIDE IN FLANGE AT BENT 1 BENT 2 RIGHT OVERHANG DIAPHRAGM, SPALL 1 FEET LONG X 2 FEET WIDE X UP TO 4 INCH DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS, WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 30 INCHES LONG X 14 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 30 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK

Span 2

Wearing Surface

Asphalt Wearing Surface

	ment mber Wearin	Element Name g Surface	Total Qty 1,400	CS1 Qty 1,219	CS2 Qty 150	CS3 Qty 31	CS4 Qty 0 S	Square Feet
Elemen Numbe	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
∕ 510	Crack (Wearing Surface)	AT BENT 1, FULL WIDTH TRANS UP TO 1/2 INCHES WIDE	/ERSE CRACK		3	31	31	Square Feet
✓ 510	Crack (Wearing Surface)	UP TO 1/32 INCHES TRANSVERS LONGITUDINAL CRACKS INCHES LOCATIONS			2	150	150	Square Feet

Sna	an 2		Pia	ht Bridge Rail						
•	ncrete and I	Metal Ra	-	in Druge Nai						
Ele	ement mber		Element Name		Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0	Feet
Elemei Numbe	Defect	Tvpe	De	fect Description			CS	CS Qty	Maint Qty	
Numbe √ 333	Cracking (RC Other)		FULL LENGTH ABRASI WITH EXPOSED BUT S UP TO 0.035 INCHES T VERTICAL CRACKS SC	ON UP TO 1/16 INC ECURE AGGREGA RANSVERSE AND	ATE WITH		2	50	QLY	Feet
	General Com	ments								
Spa	an 2		Nea	ar Bearing						
Мо	vable Bearii	ng								
	ement Imber	Movable	Element Name		Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty	CS4 Qty	Each
515			tective Coating		1	0	0	0	-	Square Feet
Elemei Numbe	Defect	Туре	De	fect Description			CS	CS Qty	Maint Qty	
√ 311	Corrosion		SPAN 2 BEAM 1 NEAR WITH NO MEASURABL		DSION		3	1		1 Each
✓ 515	Effectiveness Protective Co		PAINT IS FAILING WITH		POSED.		4	1		1 Square Feet
	General Com	ments								
Spa	an 2		Far	Bearing						
Fix	ed Bearing									
	ement mber	Fixed Pe	Element Name		Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty	Each
515		Fixed Be Steel Pro	tective Coating		1	0	0	0	-	Square Feet
Elemei Numbe		Туре	De	fect Description			cs	CS Qty	Maint Qty	
✓ 313	Corrosion		SPAN 2 BEAM 1 FAR B WITH NO MEASURABL				3	1	-	1 Each
<mark>√</mark> 515	Effectiveness Protective Co General Com	atings)	PAINT IS FAILING WITH	H BARE METAL EX	POSED.		4	1		Square Feet
Spa	an 2		Nea	ar Bearing						
Мо	vable Bearii	ng								
	ement		Element Name		Total Otv	CS1 Otv	CS2	CS3 Otv	CS4	

Element Number		ent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing		1	0	0	1	0	Each
515	Steel Protective Co	ating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty	

Structure	Inspe	ection Date: 05/09/2023			
✓ 311	Corrosion	SPAN 2 BEAM 2 NEAR BEARING: CORROSION WITH NO MEASURABLE OF SECTION LOSS	3	1	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE METAL EXPOSED.	4	1	1 Square Feet

Spa	in 2	Far Bearir	ng					
Fixe	ed Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
/ 313	Corrosion	SPAN 2 BEAM 2 FAR BEARING WITH NO MEASURABLE SECT			3	1	-	1 Each
7 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE	METAL EXPOSED.		4	1		1 Square Feet

General Comments

Spa	an 2	Near Bea	ring					
Мо	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	SPAN 2 BEAM 3 NEAR BEAR WITH NO MEASURABLE OF S			3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BAR	E METAL EXPOSED.		4	1		1 Square Feet
	Osmanal Community							

Spa	in 2	Far Bearin	g					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofact Type	Defect Dese	cription		CS	CS Qty	Maint Qty	
√ 313	Corrosion	SPAN 2 BEAM 3 FAR BEARING: WITH NO MEASURABLE SECTI			3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE N	IETAL EXPOSED.		4	1		1 Square Feet
	General Comments							

Structure Number: 430158

Near Bearing

Span 2

Movable	Bearing
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Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
7 311	Corrosion	SPAN 2 BEAM 4 NEAR BEARIN WITH NO MEASURABLE SECT			3	1		1 Each
/ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE	METAL EXPOSED.		4	1		1 Square Feet

General Comments

l Bearing							
ent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	aring	1	0	0	1	0	Each
Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion				3	1		1 Each
Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE I	METAL EXPOSED.		4	1		1 Square Feet
	Fixed Be Steel Pro Defect Type Corrosion Effectiveness (Steel	Defect Type Defect Defect Desemption Corrosion SPAN 2 BEAM 4 FAR BEARING: WITH NO MEASURABLE SECTI Effectiveness (Steel Protective Coatings) PAINT IS FAILING WITH BARE I	Defect Element Name Qty Fixed Bearing 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion SPAN 2 BEAM 4 FAR BEARING: CORROSION WITH NO MEASURABLE SECTION LOSS Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED.	Defect Element Name Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion SPAN 2 BEAM 4 FAR BEARING: CORROSION WITH NO MEASURABLE SECTION LOSS Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED.	Defect Element Name Qty Qty Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 Defect Type Defect Description CS Corrosion SPAN 2 BEAM 4 FAR BEARING: CORROSION WITH NO MEASURABLE SECTION LOSS 3 Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4	Defect Element Name Qty Qty Qty Qty Fixed Bearing 1 0 0 1 Steel Protective Coating 1 0 0 0 Defect Type Defect Description CS CS Qty Corrosion SPAN 2 BEAM 4 FAR BEARING: CORROSION WITH NO MEASURABLE SECTION LOSS 3 1 Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4 1	Defect Element Name Qty Steel Protective Coating 1 0 0 0 1 0 0 1 0 Defect Type Defect Description CS CS Qty Maint Qty Corrosion SPAN 2 BEAM 4 FAR BEARING: CORROSION WITH NO MEASURABLE SECTION LOSS 3 1 1 Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4 1 1

General Comments

Span 3

Deck

Reinforced Concrete Deck

	nent nber Reinfor	Element Name ced Concrete Deck	Total Qty 1,663	CS1 Qty 462	CS2 Qty 1,200	CS3 Qty 1	CS4 Qty 0	Square Feet
Elemen Number	Dofact Type	Defect Description	ı		CS	CS Qty	Maint Qty	
√ 12	Delamination/Spall	8 INCHES DIAMETER X 4 INCHES DEE BOTTOM OF DECK AT CORED HOLE I BAY 1 NEAR MIDSPAN			3	1		Square Feet
√ 12	Cracking (RC and Other)	UP TO 1/32 INCHES TRANSVERSE AN LONGITUDINAL AND HAIRLINE MAP O WITH AND WITHOUT EFFLORESCEND BOTTOM OF DECK IN VARIOUS LOCA	CRACKS CE IN		2	1,200	1,200) Square Feet

Span 3

Beam 1

Plate Girder

	ment		Total	CS1	CS2	CS3	CS4	
Nur	nber	Element Name	Qty	Qty	Qty	Qty	Qty	
107	Steel Op	ben Girder/Beam	50	0	46	0	4 F	Feet
515	Steel Pr	otective Coating	464	299	0	125	40 \$	Square Feet
Elemer Numbe	Defect Tune	Defect Description			CS	CS Qty	Maint Qty	
V 107	Corrosion	PAR: CORROSION ALONG BOTH FACE AND BOTTOM FLANGE UP TO 43 INCHI 10 INCHES HIGH DOWN TO 1/2 INCHES RESIDUAL WEB, AND 36 INCHES LONG 11 INCHES WIDE WITH SECTION LOSS KNIFES EDGE WITH 1/4 INCH AVERAGI FULL WIDTH OF FLANGE WITH 8 INCH AREA AT BEARING THAT IS PAPER THI PERFORATIONS ON RIGHT SIDE AT BE	ES LONG X X UP TO DOWN TO E REMAING X 2 INCH IN WITH		4	4	-	Feet
√ 107	Corrosion	AREAS OF SURFACE CORROSION THE	ROUGHOUT		2	41		Feet
V 107	Corrosion	AT BENT 2 END, REPAIR HAS BEEN INS CONSISTING OF 6 INCH X 6 INCH X 1/2 ANGLE THAT IS 5 FEET LONG BOLTED AND FLANGE WITH 3/4 INCH DIAMETER SPACED AT 6 INCH ON CENTER. WEB INCH LONG X 1 FEET 9 INCH HIGH X 3/ THICK PLATE ALSO BOLTED WITH 3/4 DIAMETER BOLTS. ANGLE AND PLATE SURFACE RUST.	INCH TO WEB R BOLTS HAS 10 8 INCH INCH		2	5		Feet
√ 515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE METAL ON BEAM ENDS.	EXPOSED		4	40	40	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED PAINT SYS THROUGHOUT BEAM	TEM		3	125	125	Square Feet

General Comments

SPAN 3 BEAM 1 AT BENT 2 END, REPAIR PLATES 6 INCH X 6 INCH X 1/2 INCH ANGLE THAT IS 5 FEET LONG BOLTED TO WEB AND FLANGE WITH 3/4 INCH DIAMETER BOLTS SPACED AT 6 INCH ON CENTER. WEB HAS 10 INCH LONG X 1 FEET 9 INCH HIGH X 3/8 INCH THICK PLATE ALSO BOLTED WITH 3/4 INCH DIAMETER BOLTS. ANGLE AND PLATE HAVE SURFACE RUST.

Spa	n 3		Beam 2					
Plat	e Girder							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	:	Steel Open Girder/Beam	50	0	49	0	1 Fee	t
515	:	Steel Protective Coating	464	299	0	125	40 Squ	are Feet
Elemen Numbe	Dofoot T	уре	Defect Description		CS	CS Qty	Maint Qty	
V 107	Corrosion	AND BOTTOM FLA 4 INCHES HIGH DO WEB, AND 12 INCH	I ALONG BOTH FACES OF WEB NGE UP TO 10 INCHES LONG X DWN TO 1/4 INCHES RESIDUAL HES LONG X 5 1/2 INCHES WIDE HES RESIDUAL FLANGE AT	-	4	1	1 F	eet
v 107	Corrosion	AREAS OF SURFA	CE CORROSION THROUGHOUT	Г	2	48	F	eet
√ 107	Corrosion	ALONG LEFT EDG	H 1/16 INCH SECTION LOSS E OF BOTTOM FLANGE 9 1/2 INCHES WIDE (9/16 INCH ENT 3		2	1	F	eet
√ 515	Effectiveness Protective Coa		O WITH BARE METAL EXPOSED		4	40	40 S	quare Feet

Structure Number: 430158

✓ 515 Effectiveness (Steel Protective Coatings) AREAS OF DE THROUGHOUT

AREAS OF DETERIORATED PAINT SYSTEM THROUGHOUT BEAM

Inspection Date: 05/09/2023

125 125 Square Feet

3

General Comments

BENT 2 DIAPHRAGM IN BAY 1, 5 FEET LONG SECTION HAS BEEN REPLACED WITH 12 INCHES X 3 INCHES STEEL CHANNEL WELDED AT EACH END

	STEEL CHAN	NEL WELDED AT EACH END						
Spa	an 3	Beam 3						
Pla	te Girder							
	ement mber Stee	Element Name el Open Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0 Fe	eet
515	Stee	el Protective Coating	464	339	0	125	0 S	quare Feet
Elemer Numbe	Defect Turne	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 107	Corrosion	AREAS OF SURFACE CORROS BEAM	ION THROUGHOUT		2	50		Feet
√ 515	Effectiveness (Ste Protective Coating	INT SYSTEM		3	125	125	Square Feet	
	General Comment	S						
Spa	an 3	Beam 4						
Pla	te Girder							
	ement mber Stee	Element Name el Open Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 44	CS3 Qty 0	CS4 Qty 6 Fe	eet
515	Stee	Protective Coating	464	304	0	125	35 S	quare Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
V 107	Corrosion	PAR6 FOOT LONG CORROSIC FLANGE REPAIR PLATE WITH REMAINING WITH 1 1/2 INCH X LEFT SIDE AT 18 INCHES FROI BOTTOM FLANGE BELOW REP 3/8 INCH AVERAGE REMAINING UP TO 1 1/2 INCH WIDE HOLE I STARTING AT BEARING. MEAS WELDED PLATE REPAIRS ON I WEB AND BOTTOM FLANGE UI LONG X 21 1/2 INCHES HIGH X WEB, AND 60 INCHES LONG X 1/2 INCH THICK IN FLANGE AT	1/4 INCH AVERAGE 1/2 INCH HOLE IN M BEARING, AIR PLATE WITH G WITH 24 INCH X N LEFT SIDE SUREMENTS OF BOTH FACES OF P TO 60 INCHES 1/2 INCH THICK IN 4 INCHES WIDE X		4	6	6	Feet
√ 107	Corrosion	2 FOOT LONG CORROSION IN AND WEB WITH 1/16 INCH SEC BOTTOM FLANGE FULL WIDTH AVERAGE REMAINING AND UF HIGH IN WEB WITH 1/16 INCH S WITH 9/16 INCH AVERAGE REM	TION LOSS IN WITH 9/16 INCH TO 22 INCHES SECTION LOSS		2	2		Feet
√ 107	Corrosion	AREAS OF SURFACE CORROS BEAM	ION THROUGHOUT		2	42		Feet
√ 515	Effectiveness (Ste Protective Coating		METAL EXPOSED		4	35	35	Square Feet
<mark>√</mark> 515	Effectiveness (Ste		INT SYSTEM		3	125	125	Square Feet

515 Effectiveness (Steel Protective Coatings) AREAS OF DETERIORATED PAINT SYSTEM THROUGHOUT BEAM

General Comments

WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 21 1/2 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 60 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK IN FLANGE AT BENT 2

Wearing Surface

Span 3

Asphalt Wearing Surface

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	1,400	1,208	161	31	0 S	quare Feet
Element Number	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
√ 510	Crack (Wearing Surface)	UP TO 1/2 INCHES TRANSVERSE C BENT 2 JOINT	RACK ALONG		3	31	31	Square Feet
√ 510	Crack (Wearing Surface)	UP TO 1/32 INCHES TRANSVERSE A LONGITUDINAL CRACKS IN VARIOU		S	2	160	160	Square Feet
✓ 510	Patched Area/Pothole (Wearing Surface)	8 INCHES DIAMETER PATCHED CO OUTSIDE LANE NEAR MIDSPAN	RED HOLE IN		2	1		Square Feet
C	General Comments							

Span 3

Right Bridge Rail

Concrete and Metal Railing

Elen Num 333	nber	Element Name Bridge Railing	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0	Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 333	Cracking (RC and Other)	FULL LENGTH ABRASION UP T WITH EXPOSED BUT SECURE UP TO 0.035 INCHES TRANSVE VERTICAL CRACKS SCATTERE	AGGREGATE WITH		2	50	Ĩ	Feet

Spa	an 3	Near Bea	aring					
Мо	vable Bearing							
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numbe	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
√ 311	Corrosion	SPAN 3 BEAM 1 NEAR BEAR WITH ONSET OF SECTION L			3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BAR	E METAL EXPOSED.		4	1		1 Square Feet
	General Comments							

Span 3 Fixed B	earing	Far Bea	ring					
Element Number 313		Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515		rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect D	Description		CS	CS Qty	Maint Qty	
√ 313 Cor	rosion	SPAN 3 BEAM 1 FAR BEAR WITH ONSET OF SECTION I			3	1		1 Each

<mark>√</mark> 515

PAINT IS FAILING WITH BARE METAL EXPOSED.

1 1 Square Feet

4

Effectiveness (Steel Protective Coatings) General Comments

Spa	an 3	Near Bea	ring					
Мо	vable Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Defect Tune	Defect De	scription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	SPAN 3 BEAM 2 NEAR BEARI WITH ONSET OF SECTION LC			3	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE			4	1	1	Square Feet
	General Comments							
Spa	an 3	Far Beari	ng					
Fix	ed Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	-	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Defect Turne	Defect De	scription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	SPAN 3 BEAM 2 FAR BEARING WITH ONSET OF SECTION LC			3	1	1	Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE	METAL EXPOSED.		4	1	ĺ	Square Feet
	General Comments							
Spa	an 3	Near Bea	ring					
Мо	vable Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb		Defect De	scription		cs	CS Qty	Maint Qty	
	Corrosion	SPAN 3 BEAM 3 NEAR BEARI			3	1	-	Each
✓ 311		WITH ONSET OF SECTION LC	DSS					
✓ 311 ✓ 515	Effectiveness (Steel Protective Coatings)	WITH ONSET OF SECTION LC PAINT IS FAILING WITH BARE			4	1	1	Square Feet

Span 3

nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	earing	1	0	0	1	0	Each
Steel Pre	otective Coating	1	0	0	0	1	Square Feet
t Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion				3	1	-	1 Each
Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE	METAL EXPOSED.		4	1		1 Square Feet
	Fixed Be Steel Pro t Defect Type Corrosion Effectiveness (Steel	t Defect Type Defect Des Corrosion SPAN 3 BEAM 3 FAR BEARING WITH ONSET OF SECTION LOS Effectiveness (Steel PAINT IS FAILING WITH BARE I	Index Element Name Qty Fixed Bearing 1 Steel Protective Coating 1 t Defect Type Defect Description Corrosion SPAN 3 BEAM 3 FAR BEARING: CORROSION WITH ONSET OF SECTION LOSS Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED.	Index Element Name Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 t Defect Type Defect Description Corrosion SPAN 3 BEAM 3 FAR BEARING: CORROSION WITH ONSET OF SECTION LOSS VITH ONSET OF SECTION LOSS Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED.	Index Element Name Qty Qty Qty Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 t Defect Type Defect Description CS Corrosion SPAN 3 BEAM 3 FAR BEARING: CORROSION WITH ONSET OF SECTION LOSS 3 Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4	Index Element Name Qty Qty Qty Qty Qty Fixed Bearing 1 0 0 1 Steel Protective Coating 1 0 0 0 t Defect Type Defect Description CS CS Qty Corrosion SPAN 3 BEAM 3 FAR BEARING: CORROSION WITH ONSET OF SECTION LOSS 3 1 Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4 1	Index Element Name Qty Fixed Bearing 1 0 0 1 0 0 0 1 0 Steel Protective Coating Defect Description CS CS Qty Maint Qty Corrosion SPAN 3 BEAM 3 FAR BEARING: CORROSION WITH ONSET OF SECTION LOSS 3 1 Effectiveness (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4 1

Sp	an 3	Near Bear	ing					
Мо	vable Bearing							
	ement umber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mova	ble Bearing	1	0	0	1	0	Each
515	5 Steel	Protective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 311	Corrosion	SPAN 3 BEAM 4 NEAR BEARIN WITH ONSET OF SECTION LOS			3	1		1 Each
✓ 515	Effectiveness (Stee Protective Coatings		METAL EXPOSED.		4	1		1 Square Feet
	General Comments							

General Comments

Span 3

Far Bearing

Fixed Bearing

Elemen Numbe	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
√ 313 Co	prrosion	SPAN 3 BEAM 4 FAR BEARING WITH ONSET OF SECTION LOS			3	1		1 Each

	General Comments				
V 515	Protective Coatings)	TAINT ISTAILING WITT BARE METALERI OSED.	7	I	
✓ 515	Effectiveness (Steel	PAINT IS FAILING WITH BARE METAL EXPOSED.	4	1	1 Square Feet

Span 4		Deck						
Reinfor	ced Concrete Deck							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck		1,663	263	1,400	0	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>430158</u>			Inspecti	on Date: 05/09/2023
√ 12	Cracking (RC and Other)	UP TO 1/32 INCHES TRANSVERSE AND LONGITUDINAL AND HAIRLINE MAP CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS	2	900	900 Square Feet
√ 12	Efflorescence/Rust Staining	EFFLORESCENCE AND SCALING ON BOTTOM FACE LEFT OVERHANG.	2	150	Square Feet
√ 12	Efflorescence/Rust Staining	EFFLORESCENCE WITH SURFACE SCALING ON BOTTOM FACE OF RIGHT OVERHANG.	2	150	Square Feet
√ 12	Efflorescence/Rust Staining	SCALING WITH EXPOSED AGGREGATE AND EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS	2	200	Square Feet

Plate Girder

Beam 1

Span 4

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	0	43	0	7 Feet
515	Steel Protective Coating	465	305	0	125	35 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
∕ 107	Corrosion	PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 72 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 7/16 INCHES RESIDUAL WEB, AND 82 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO 3/8 INCHES RESIDUAL FLANGE AT BENT 3	4	7	7	Feet
∕ 107	Corrosion	AREAS OF SURFACE CORROSION THROUGHOUT BEAM	2	43		Feet
	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE METAL EXPOSED ON BEAM AT BENT 3	4	35	35	Square Feet
	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED PAINT SYSTEM THROUGHOUT BEAM	3	125	125	Square Fee

General Comments

BENT 3 LEFT OVERHANG DIAPHRAGM, SPALL 1 FOOT LONG X 2 FEET WIDE X UP TO 5 INCH DEEP WITH EXPOSED REBAR WITH NO SECTION LOSS

	EXPOSED REBAR WITH NO SECTION LOSS										
Spa	n 4	Beam 2									
Plat	e Girder										
Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
107	Steel Op	ben Girder/Beam	50	0	50	0	0 Fe	et			
515	Steel Pr	otective Coating	465	310	0	125	30 Sc	uare Feet			
Elemen Numbe	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty				
√ 107	Corrosion	AREAS OF SURFACE CORROSION	THROUGHOUT		2	47		Feet			
V 107	Corrosion	CORROSION WITH 1/16 INCH SECT ALONG LEFT EDGE OF BOTTOM FL INCHES LONG X 11 5/8 INCHES WID REMAINING) AND CORROSION WIT MEASURABLE LOSS OF SECTION A FACES OF WEB UP TO 27 INCHES L INCHES HIGH IN WEB AT BENT 3	ANGE 20 DE (9/16 INCH H NO LONG BOTH		2	3		Feet			
√ 515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH BARE MET ON BEAM END AT BENT 3	TAL EXPOSED		4	30	30	Square Feet			
√ 515	Effectiveness (Steel Protective Coatings)	AREAS OF SURFACE CORROSION BEAM	THROUGHOUT		3	125	125	Square Feet			

Spa	an 4	Beam 3					
-	te Girder	20000					
	ment mber Steel	Element Name Open Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel	Protective Coating	465	340	0	125	0 Square Feet
Elemer Numbe	Defe of Trues	Defect Descrip	tion		CS	CS Qty	Maint Qty
∕ 107	Corrosion	AREAS OF SURFACE CORROSION BEAM	I THROUGHOUT		2	49	Feet
∕ 107	Corrosion	CORROSION WITH LESS THAN 1/1 SECTION LOSS ALONG LEFT EDG FLANGE 12 INCHES LONG X 5 1/2 (5/8 INCH REMAINING) AT BENT 3	E OF BOTTOM		2	1	Feet
∕ 515	Effectiveness (Stee Protective Coatings		SYSTEM		3	125	125 Square Feet
	General Comments	,					
Sn	an 4	Beam 4					
•	te Girder	Dealli 4					
	ment		Total	CS1	CS2	CS3	CS4
Nu 107	mber Steel	Element Name Open Girder/Beam	Qty 50	Qty 0	Qty 50	Qty 0	Qty 0 Feet
515		Protective Coating	465	310	0	125	30 Square Feet
Eleme	nt Defect Turne	Defect Deserin	tion		<u> </u>	CS Qty	Maint
Numbe ∕∏ 107	er Defect Type Corrosion	Defect Descrip AREAS OF SURFACE CORROSION			CS 2	US QTY 46	Qty Feet
		BEAM			2	3	Feet
∕ 107	Corrosion	BOTTOM FLANGE UP TO 36 INCHE INCHES HIGH WITH NO MEASURA SECTION IN WEB, AND 36 INCHES INCHES WIDE DOWN TO 7/16 INCH	CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 36 INCHES LONG X 13 INCHES HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB, AND 36 INCHES LONG X 5 1/2 INCHES WIDE DOWN TO 7/16 INCHES RESIDUAL WITH 1/2 INCH AVERAGE REMAINING IN FLANGE				
/ 107	Corrosion	CORROSION WITH 1/16 INCH LOS ALONG RIGHT EDGE OF BOTTOM 9/16 INCH REMAINING 6 INCHES L INCHES WIDE AT END BENT 2	FLANGE WITH		2	1	Feet
∕ 515	Effectiveness (Stee Protective Coatings		ETAL EXPOSED		4	30	30 Square Feet
/ 515	Effectiveness (Stee Protective Coatings	AREAS OF DETERIORATED PAINT	SYSTEM		3	125	125 Square Feet
	General Comments						
Con	an A	Wearing Surf	200				
-	an 4 Shalt Wearing Su	Wearing Surf	ace				
AS	phalt Wearing Su						

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface		1,400	1,264	105	31	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty

Structure	Number: <u>430158</u>		Inspection Date: 05/09/2023			
✓ 510	Crack (Wearing Surface)	UP TO 1/2 INCHES TRANSVERSE CRACK ALONG BENT 3 JOINT	3	31	31	Square Feet
✓ 510	Crack (Wearing Surface)	UP TO 1/32 INCHES TRANSVERSE AND LONGITUDINAL CRACKS IN VARIOUS LOCATIONS	2	100	100	Square Feet
√ 510	Crack (Wearing Surface)	UP TO 1/32 INCHES TRANSVERSE CRACK ALONG END BENT 2 FILL FACE IN INSIDE LANE	2	5	5	Square Feet

Span 4

Right Bridge Rail

Concrete and Metal Railing

Elerr Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other E	Bridge Railing	50	0	50	0	0	Feet
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
✓ 333	Delamination/Spall	END BENT 2 WHEEL GUARD 2 FEET LONG X UP TO 12 INC DEEP	,		3			2 Feet
√ 333	Cracking (RC and Other)	FULL LENGTH ABRASION UP WITH EXPOSED BUT SECURI UP TO 0.035 INCHES TRANS\ VERTICAL CRACKS SCATTEF	AGGREGATE WITH		2	50		Feet

aring								
	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Movable Bea	ring		1	0	0	1	0	Each
Steel Protect	ive Coating		1	0	0	0	1	Square Feet
ect Type		Defect Description			CS	CS Qty	Maint Qty	
-			OSION		3	1		1 Each
ess (Steel PA Coatings)	PAINT IS FAILING WITH BARE METAL EXPOSED.				4	1		1 Square Feet
 	e ct Type SP WI ess (Steel PA	SPAN 4 BEAM 1 NE WITH ONSET OF SI ess (Steel PAINT IS FAILING V Coatings)	ect Type Defect Description SPAN 4 BEAM 1 NEAR BEARING: CORR WITH ONSET OF SECTION LOSS ess (Steel PAINT IS FAILING WITH BARE METAL E. Coatings)	Defect Description SPAN 4 BEAM 1 NEAR BEARING: CORROSION WITH ONSET OF SECTION LOSS ess (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. Coatings)	Defect Description SPAN 4 BEAM 1 NEAR BEARING: CORROSION WITH ONSET OF SECTION LOSS ess (Steel PAINT IS FAILING WITH BARE METAL EXPOSED.	Defect Description CS SPAN 4 BEAM 1 NEAR BEARING: CORROSION 3 WITH ONSET OF SECTION LOSS 3 ess (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4	Defect Description CS CS Qty SPAN 4 BEAM 1 NEAR BEARING: CORROSION 3 1 WITH ONSET OF SECTION LOSS 9 1 ess (Steel PAINT IS FAILING WITH BARE METAL EXPOSED. 4 1	Defect Description CS CS Qty Maint Qty SPAN 4 BEAM 1 NEAR BEARING: CORROSION WITH ONSET OF SECTION LOSS 3 1 ess (Steel Coatings) PAINT IS FAILING WITH BARE METAL EXPOSED. 4 1

Spa	an 4		Far Bearing					
•			l al Bealing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	F	ixed Bearing	1	0	1	0	0	Each
515	S	teel Protective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofact Tu	ре	Defect Description		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	•••••••	AR BEARING FRECKLED IN PLATE SURFACES.		2	1		Each
√ 515	Effectiveness (Protective Coat		RUST BLEED COMING THRU PAINT.			1		1 Square Feet
	General Comm	ents						

Structure Number: 430158

Near Bearing

Movable Bearing

Span 4

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
7 311	Corrosion	SPAN 4 BEAM 2 NEAR BEARIN WITH ONSET OF SECTION LOS			3	1		1 Each
∕ 515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH BARE	METAL EXPOSED.		4	1		1 Square Feet

General Comments

Spa	an 4	Far Beari	ng					
Fix	ed Bearing							
	ement umber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	1	0	0	Square Feet
Eleme Numb	Dofact Type	Defect Des	scription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	AREAS OF SURFACE CORRO BEAM 2 BEARING	SION THROUGHOUT		2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)	AREAS OF DETERIORATED P THROUGHOUT BEAM 2 BEAR			2	1		1 Square Feet
	General Comments							

General Comments

Span 4

Near Bearing

Movable Bearing

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	e Bearing	1	0	0	1	0 Each
515	Steel Pr	rotective Coating	1	0	0	0	1 Square Feet
Elemen Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
√ 311	Corrosion	SPAN 4 BEAM 3 NEAR BEARIN WITH ONSET OF SECTION LOS			3	1	1 Each
<mark>√</mark> 515	Effectiveness (Steel	PAINT IS FAILING WITH BARE I	METAL EXPOSED.		4	1	1 Square Feet

Protective Coatings)

General Comments

Far Bearing

Span 4

Fixed Bearing CS1 CS2 CS3 CS4 Element Total Qty Number **Element Name** Qty Qty Qty Qty 313 Fixed Bearing 0 0 Each 1 0 1 515 Steel Protective Coating 1 0 1 0 0 Square Feet Maint Element **Defect Type Defect Description** CS CS Qty Number Qty AREAS OF SURFACE CORROSION THROUGHOUT 2 🗸 313 Corrosion 1 Each **BEAM 3 BEARING**

Structure Number: 430158

AREAS OF DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING

Inspection Date: 05/09/2023

2

1

1 Square Feet

	General Comments
√ 515	Effectiveness (Steel Protective Coatings)
•	

Spa	in 4		Near Bea	aring					
Μο	able Bearin	g							
	ment			Total	CS1	CS2	CS3	CS4	
Nur 311	nber	Elemer Movable Bearing	nt Name	Qty 1	Qty 0	Qty 0	Qty 1	Qty	Each
515		Steel Protective Coat	ina	1	0	0	0		Square Feet
					•	Ŭ			
Elemer Numbe	Dofoot T	уре	Defect D	escription		CS	CS Qty	Maint Qty	
311	Corrosion	-	EAM 4 NEAR BEAR SET OF SECTION L			3	1	1	Each
515	Effectiveness Protective Coa		FAILING WITH BAR	E METAL EXPOSED.		4	1	1	Square Feet
	General Comn								
Spa	ın 4		Far Bear	rina					
•	ed Bearing								
	ment	Flower	nt Name	Total	CS1	CS2	CS3	CS4	
313	nber	Fixed Bearing	it Name	Qty 1	Qty 0	Qty 1	Qty 0	Qty 0	Each
515		Steel Protective Coat	ing	1	0	0	0	1 ;	Square Feet
Elemer	Dofoot T	vne	Defect D	escription		CS	CS Qty	Maint	
Numbe 7 313	Corrosion			NG CORROSION WITH		2	1	Qty	Each
_		ONSET O	F SECTION LOSS						
515	Effectiveness Protective Coa	•	:FFECTIVENESS, N ING METAL	NO PROTECTION OF		4	1	1	Square Feet
	General Comn	nents							
End	Bent 1		Cap 1						
Rei	nforced Cor	crete Pier Cap							
	ment			Total	CS1	CS2	CS3	CS4	
Nur 234	nber	Elemer Reinforced Concrete	nt Name Pier Can	Qty 42	Qty 21	Qty 0	Qty 21	Qty	Feet
				72	21	0	21		
Elemer Numbe		уре	Defect D	escription		cs	CS Qty	Maint Qty	
] 234	Cracking (RC Other)	DELAMIN/ HORIZON	(18 INCHES X 8 IN ATION WITH UP TO TAL CRACKS WITH SCENCE IN TOP A BAY 1) 3/8 INCHES I AND WITHOUT		3	11	-	Feet
234	Cracking (RC Other)	AND WITH	HES X 8 INCHES AF	ENCE AND 86 INCHES		3	10	10	Feet

Bent 1

Reinforced Concrete Pier Cap

Elerr Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	31	0	0	31	0 F	eet
Element Number	Defect Tune	Defect Description	1		CS	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	31 FEET OF UP TO 3/8 INCHES LONG AND HORIZONTAL CRACKS WITH AN EFFLORESCENCE AND AREAS OF DELAMINATION IN TOP, BOTTOM AND FACE OF CAP	D WITHOUT		3	26	31	Feet
√ 234	Cracking (RC and Other)	31 FEET OF UP TO 3/8 INCHES LONG AND HORIZONTAL CRACKS WITH AN EFFLORESCENCE AND AREAS OF DELAMINATION IN TOP, BOTTOM ANI FACE OF CAP	DWITHOUT		3		31	Feet
√ 234	Cracking (RC and Other)	HORIZONTAL CRACK 3/8 INCHES WIE BEAMS 1 AND 2 ON SOUTH FACE.	DE BETWEEN		3		7	Feet
<mark>√</mark> 234	Delamination/Spall	DELAMINATED AREA 30 INCHES WID INCHES HIGH ON SOUTH FACE NEAR END.			3		3	Feet
√ 234	Delamination/Spall	PAR: 50 INCHES X 4 INCHES X 5 INCH WITH EXPOSED REBAR WITH MINOR LOSS IN BOTTOM AND SPAN 1 FACE LEFT END	SECTION		3	5	5	Feet

General Comments

Bent 1

Pile 1

Cap 1

Reinforced Concrete Column

Elem Num 205	iber	Element Name rced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 1		CS4 Qty 0 Each	
Element Number	Dofact Type	Defect Description	on		CS	CS Qty	Maint Qty	
V =	Abrasion/Wear (PSC/RC)	UP TO 29 INCHES HIGH SCALING W AGGREGATE THROUGHOUT COLUI SURFACE			2	1	Each	
205	Delamination/Spall	(2) AREAS OF DELAMINATION UP T X 5 INCHES X 5 INCHES WITH 1/32 I VERTICAL CRACKS IN SOUTHWEST NORTHWEST CORNERS OF COLUM APPROXIMATELY 3 FEET FROM BO	NCHES FAND IN,		2		4 Each	

Bent 1		Pile 2						
Reinfor	ced Concrete Column							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinforced Concrete Column		1	0	1	0	0 Each	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

205 Abrasion/Wear (PSC/RC) UP TO 29 INCHES HIGH SCALING WITH EXPOSED AGGREGATE THROUGHOUT COLUMN AT WATER SURFACE Inspection Date: 05/09/2023

Each

General Comments

End Bent 1

Abutment

Reinforced Co	ncrete Abutment
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Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	40	38	0	2	0 F	eet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
	Cracking (RC and Other)	UP TO 6 INCH X 2 INCH X 1/4 IN IN FACE OF CURTAIN WALL RIG BOTTOM FLANGE OF BEAMS 1	HT EDGE OF		3	1	2	Feet
✔ 215	Delamination/Spall	BELOW BAY 1 ADJACENT TO BE LONG X 4 INCHES HIGH X UP TO DEEP SPALL	'		3	1	1	Feet

General Comments

Bent 2

Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	31	0	0	31	0 Feet	

Element Number	Defect Tune	Defect Description	CS	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	20 FEET OF UP TO 3/8 INCHES LONGITUDINAL AND HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE AND AREAS OF DELAMINATION IN TOP, BOTTOM AND SPAN 2 FACE OF CAP	3		20	Feet
✓ 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/8 INCHES WIDE ON LEFT END.	3		3	Feet
√ 234	Cracking (RC and Other)	UP TO 3/8 INCHES LONGITUDINAL AND HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE AND AREAS OF DELAMINATION IN TOP, BOTTOM AND SPAN 3 FACE OF CAP	3	25	25	Feet
√ 234	Delamination/Spall	LEFT END OF CAP, DELAMINATED AREA FULL HEIGHT AND FULL WIDTH WITH CRACKING UP 1/4 IN WITH 8 IN DIAMETER X 2 IN DEEP SPALL AT SOUTHWEST CORNER	3	2	2	Feet
✓ 234	Patched Area	PAR: 30 INCHES X 30 INCHES X 12 INCHES DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND FAILED REPAIR WITH 4 FEET SECTION OF FORMWORK IN RIGHT END OF CAP	3	4	4	Feet

General Comments

2 1

Bent 2

Reinforced Concrete Column

Elem Numl 205	ber	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
	Cracking (RC and Other)	(2) AREAS OF DELAMINATION UP TO X 7 INCHES X 5 INCHES WITH 1/16 I VERTICAL CRACKS IN NORTHWEST NORTHEAST CORNERS OF COLUM APPROXIMATELY 3 FEET FROM BO	NCHES F AND N,		3	1		5 Each
	Abrasion/Wear (PSC/RC)	UP TO 26 INCHES HIGH SCALING W AGGREGATE THROUGHOUT COLUI SURFACE			2			Each

General Comments

Bent 2

Pile 2

Pile 1

Reinforced Concrete Column

	ment nber Reinfor	Element Name rced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0		CS4 Qty 0	Each
Elemen Numbe	Dofact Type	Defect Description			cs	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	40 INCHES X 9 INCHES X 6 INCHES AR DELAMINATION WITH UP TO 3/8 INCHE VERTICAL CRACKS IN SOUTHEAST CO COLUMN, APPROXIMATELY 3 FEET FR BOTTOM OF CAP	ES DRNER OF		3	1		4 Each
v 205	Abrasion/Wear (PSC/RC)	UP TO 26 INCHES HIGH SCALING WITH AGGREGATE THROUGHOUT COLUMN SURFACE			2			Each

General Comments

End Bent 2

Cap 1

Reinforced Concrete Pier Cap

Elen Nun 234		Element Name ced Concrete Pier Cap	Total Qty 42	CS1 Qty 25	CS2 Qty 0	CS3 Qty 17	CS4 Qty 0 Feet
Elemen Numbe	Dofact Type	Defect Descrip	tion		CS	CS Qty	Maint Qty
√ 234	Cracking (RC and Other)	13 FEET X 15 INCHES X 8 INCHES DELAMINATION WITH UP TO 1/16 LONGITUDINAL AND HORIZONTAL AND WITHOUT EFFLORESCENCE FACE OF CAP FROM LEFT OF BEA	INCHES CRACKS WITH IN TOP AND		3	13	13 Feet
✓ 234	Cracking (RC and Other)	46 INCHES X 8 INCHES X 9 INCHE DELAMINATION WITH UP TO 1/16 LONGITUDINAL AND HORIZONTAL AND WITHOUT EFFLORESCENCE FACE OF CAP BENEATH BAY 3	INCHES CRACKS WITH		3	4	4 Feet

End Bent 2

Reinforced Concrete Abutment

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	40	37	0	3	0 Feet	
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
V 215	Cracking (RC and Other)	UP TO 1/16 INCHES DIAGONAL OF CURTAIN WALL EXTENDING EDGE OF BOTTOM FLANGE OF	FROM LEFT		3	3	3 Feet	

General Comments

Bent 3

Cap 1

Abutment

Reinforced Concrete Pier Cap

	ment nber Reinfor	Element Name ced Concrete Pier Cap	Total Qty 31	CS1 Qty 0	CS2 Qty 0	CS3 Qty 31	CS4 Qty 0 F	eet
Elemen Numbe	Defeet Trues	Defect Description			CS	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	10 FEET X 6 INCHES X 13 INCHES ARE DELAMINATION WITH UP TO 1/4 INCH LONGITUDINAL AND HORIZONTAL CR 7 INCHES X 5 INCHES X 1 INCHES DEI IN BOTTOM AND SPAN 3 FACE OF CA OF COLUMN 2	ES ACKS AND EP SPALL		3		12	Feet
<mark>√</mark> 234	Cracking (RC and Other)	6 FEET X 6 INCHES X 6 INCHES AREA DELAMINATION WITH UP TO 1/16 INCH LONGITUDINAL AND HORIZONTAL CR BOTTOM AND SPAN 3 FACE OF CAP T OF COLUMN 1	HES ACKS IN		3		6	Feet
√ 234	Cracking (RC and Other)	7 FEET X 6 INCHES X 22 INCHES ARE DELAMINATION WITH UP TO 1/16 INCH LONGITUDINAL AND HORIZONTAL CR AND WITHOUT EFFLORESCENCE IN T SPAN 3 FACE OF CAP BENEATH BAY	HES ACKS WITH OP AND		3		7	Feet
<mark>√</mark> 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCHES V EFFLORESCENCE ON RIGHT END.	VIDE WITH		3		1	Feet
√ 234	Delamination/Spall	32 INCHES X 30 INCHES X 30 INCHES DELAMINATION WITH UP TO 1/4 INCH HORIZONTAL AND MAP CRACKS AND X 9 INCHES X 6 INCHES DEEP SPALL EXPOSED REBAR NO LOSS THROUGH END OF CAP	ES 10 INCHES WITH		3		3	Feet
√ 234	Delamination/Spall	60 INCHES X 6 INCHES X 4 INCHES SF EXPOSED REBAR NO LOSS IN BOTTO SPAN 4 FACE OF CAP AT LEFT END			3	5	5	Feet
√ 234	Delamination/Spall	PAR: 26 INCHES X 2 INCHES X 11 INCI WITH EXPOSED REBAR WITH MINOR LOSS AND 45 INCHES X 9 INCHES X 6 AREA OF DELAMINATION WITH UP TC INCHES LONGITUDINAL AND HORIZOI CRACKS IN BOTTOM AND SPAN 4 FAC AT RIGHT END	SECTION INCHES 0 1/4 NTAL		3	6	6	Feet

Structure Number: 430158				Inspec	tion Dat	te: 05/09/2023
√ 234	Delamination/Spall	PAR: 78 INCHES X 30 INCHES X 9 INCHES AREA OF DELAMINATION WITH UP TO 1/16 INCHES VERTICAL AND HORIZONTAL CRACKS AND 48 INCHES X 6 INCHES X 6 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN TOP, BOTTOM, LEFT END AND SPAN 3 FACE OF CAP	3	3	7	Feet
√ 234	Delamination/Spall	PAR: 96 INCHES X 6 INCHES X 9 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 125 INCHES X 6 INCHES X 12 INCHES AREA OF DELAMINATION WITH UP TO 1/4 INCHES LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND SPAN 4 FACE OF CAP BETWEEN COLUMNS	3	17	17 I	Feet
√ 234	Delamination/Spall	36 INCHES X 6 INCHES X 12 INCHES AREA OF DELAMINATION WITH UP TO 1/32 INCHES LONGITUDINAL AND HORIZONTAL CRACKS IN TOP AND SPAN 4 FACE OF CAP BENEATH BAY 3	2		3	Feet

General Comments

Ber	nt 3	Pile 1						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 E	ach
205	Keinion		I	0	0	I	0 2	ach
Elemer Numbe	Dofoot Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	SOUTH FACE AT BOTH CORNER BOTTOM OF COLUMN, VERTICAL 1/8 IN WIDE			3	1	6	Each
v 205	Delamination/Spall	WEST FACE STARTING AT BOTT SPALL 2 FEET HIGH X 1 FEET WI INCH DEEP			3		2	Each
	General Comments							
D		D ''L A						
Ber	nt 3	Pile 2						
Rei	nforced Concrete	Column						

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0	Each
Elemen Numbe	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	(2) AREAS OF DELAMINATION L X 9 INCHES X 9 INCHES WITH U VERTICAL CRACKS IN SOUTHV NORTHWEST CORNERS, APPR FEET FROM BOTTOM OF CAP	IP TO 1/16 INCHES VEST AND		3	1	6	5 Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1663
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1400
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1663
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1400
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1663
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1400
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1663
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 4	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1400
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	31
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	42
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	40
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	31
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	42
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	40
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	31
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 430158

Inspection Date: 05/09/2023

National Bridge Inventory Items

Grade Scale	Grade	
0 - 9 , N	6	N
0 - 9 , N	4	lt
0 - 9 , N	5	ir
0 - 9 , N	7	F s
0 - 9 , N	N	
0 - 9 , N	7	
0 - 9 , N	8	
	0 - 9 , N 0 - 9 , N	0-9,N 6 0-9,N 4 0-9,N 5 0-9,N 7 0-9,N N 0-9,N 7 0-9,N 7

ems 58,59,60,62 reflect this aspection only.

or overall NBI coding grade, ee cover sheet.

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C		0	3350
Field Scour Evaluation		0		
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	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	Ν

National Bridge and NC SMU Inspection Item Details

	ber: 430158			Inspection Date: 05/09/
Item	Superstructure - Item 59	Grade 4	Maint Code	Qty. 0
Details	GRADED A 4 DUE TO SECTION LOSS AND E	BUCKLING IN BEAM(S)		
Item	General Comments and Misc Items	Grade	Maint Code	Qty. 0
Details	NORTH APPROACH ROADWAY WITH TWO DEEP, SOUTH APPROACH SIMILAR NORTHEAST GUARDRAIL IMPACT DAMAGE ABUTMENT 2			

Date: 05/09/2023



Span 1 Wearing Surface: UP TO 1/32 INCHES DIAGONAL CRACKS ALONG END BENT 1 FILL FACE IN INSIDE LANE



Span 1 Wearing Surface: 8 INCHES DIAMETER PATCHED CORED HOLE IN OUTSIDE LANE, APPROXIMATELY 15 FEET FROM BENT 1

Date: 05/09/2023

Condition Photos



Span 1 Left Bridge Rail: 10 FEET SECTION OF IMPACT DAMAGE WITH MISSING RAIL AND RAIL POST EXTENDING FROM BENT 1; CONDITION MITIGATED WITH ADDITION OF THRIE BEAM METAL RAIL

Date: 05/09/2023

Condition Photos



Span 2 Left Bridge Rail: 15 FEET SECTION OF IMPACT DAMAGE WITH SEPARATED, CRACKED AND MISSING RAIL AND RAIL POSTS EXTENDING FROM BENT 1; CONDITION MITIGATED WITH ADDITION OF THRIE BEAM METAL RAIL

Date: 05/09/2023

Condition Photos



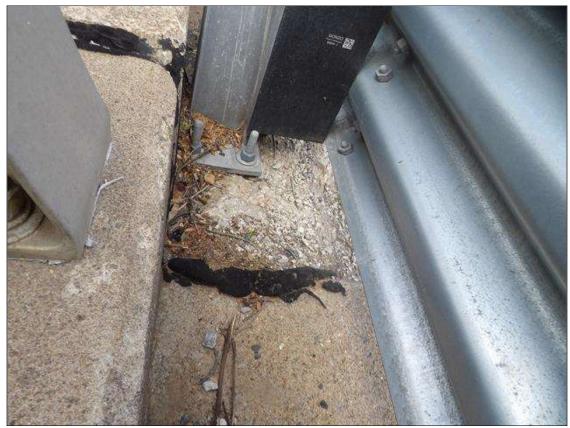
Span 3 Left Bridge Rail: 30 FEET SECTION OF IMPACT DAMAGE WITH SEPARATED, CRACKED AND MISSING RAIL AND RAIL POSTS EXTENDING FROM BENT 3; CONDITION MITIGATED WITH ADDITION OF THRIE BEAM METAL RAIL

Date: 05/09/2023

Condition Photos



Span 4 Left Bridge Rail: 25 FEET SECTION OF IMPACT DAMAGE WITH MISSING RAIL AND RAIL POSTS EXTENDING FROM BENT 3; CONDITION MITIGATED WITH ADDITION OF THRIE BEAM METAL RAIL



Span 4 Left Bridge Rail: SPALL WITH EXPOSED REBAR 8 INCHES WIDE X 18 INCHES LONG X 3 INCHES DEEP AT BENT 3

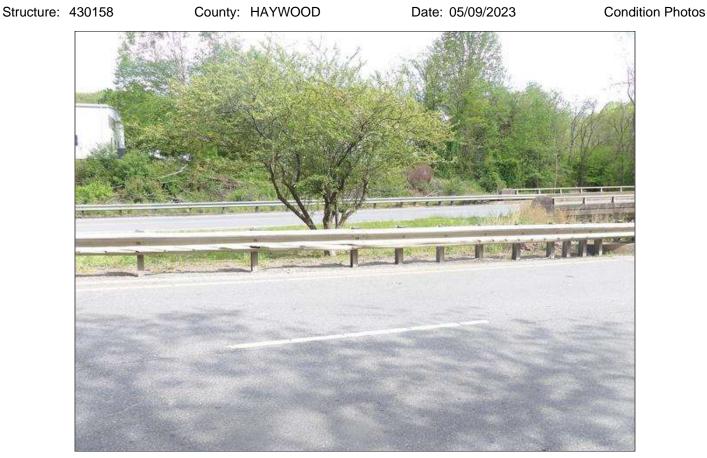
Date: 05/09/2023



Span 4 Left Bridge Rail: END BENT 2 WHEEL GUARD EXTENSION, SPALL 3 FEET LONG X UP TO 12 INCHES WIDE X 2 INCHRS DEEP, RIGHT SIDE SIMILAR



NORTH APPROACH ROADWAY WITH TWO 8 INCH DIAMETER CORES WITH ASPHALT MISSING UP TO 6 INCHES DEEP, SOUTH APPROACH SIMILAR



NORTHEAST GUARDRAIL IMPACT DAMAGE 50 FOOT LONG WITH TEARS IN GUARDRAIL STARTING AT ABUTMENT 2



Span 1 Deck: UP TO 1/32 INCHES TRANSVERSE AND LONGITUDINAL AND HAIRLINE MAP CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS

Span 1 Deck: ALONG BOTH OVERHANG DECK SOFFITS, HAIRLINE MAP CRACKING WITH ABRASION UP TO 1/16 INCH DEEP WITH EXPOSED BUT SECURE AGGREGATE AND EFFLORESCENCE AND RUST STAINING



TYPICAL UP UP TO 1/32 INCHES TRANSVERSE AND VERTICAL CRACKS SCATTERED THROUGHOUT



Structure: 430158

County: HAYWOOD

Date: 05/09/2023

Date: 05/09/2023

Condition Photos



End Bent 1 Cap 1: 11 FEET X 18 INCHES X 8 INCHES AREA OF DELAMINATION WITH UP TO 3/8 INCHES HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN TOP AND FACE OF CAP BENEATH BAY 1

Date: 05/09/2023

Condition Photos



End Bent 1 Cap 1: UP TO 3/8 INCHES HORIZONTAL CRACK WITH AND WITHOUT EFFLORESCENCE AND 86 INCHES X 14 INCHES X 8 INCHES AREA OF DELAMINATION IN TOP AND FACE OF CAP BENEATH BAY 3 AND BEAM 4

Date: 05/09/2023



End Bent 1 Abutment: BELOW BAY 1 ADJACENT TO BEAM 1, 1 FOOT LONG X 4 INCHES HIGH X UP TO 1/4 INCHES DEEP SPALL



End Bent 1 Abutment: UP TO 6 INCH X 2 INCH X 1/4 INCH DEEP SPALL IN FACE OF CURTAIN WALL RIGHT EDGE OF BOTTOM FLANGE OF BEAMS 1 AND 3

Date: 05/09/2023



Span 1 Beam 1: PAR: CORROSION ALONG BOTTOM FLANGE AND WEB. FLANGE REDUCED TO 3/16 INCHES WITH 1/2 INCH AVERAGE REMAINING FOR 36 INCHES LONG X 11 5/8 INCHES WIDE BEGINNING AT FAR END. WEB ALSO REDUCED TO 3/8 INCHES WITH 7/16 INCH AVERAGE REMAINING THE FULL HEIGHT X 11 INCHES LONG BEGINNING AT THE FAR END.

Date: 05/09/2023



Span 2 Beam 1: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE. WEB: UP TO 8 FEET LONG X FULL HEIGHT DOWN TO 1/8 INCHES RESIDUAL WEB WITH 4 INCHES WIDE X 7 INCHES HIGH X 1/2 INCHES DEEP BUCKLING AT THE BASE OF THE WEB. 8 FEET LONG X FULL WIDTH DOWN TO 1/16 INCHES RESIDUAL FLANGE AT BENT 1.

Date: 05/09/2023

Condition Photos



Bent 1 Cap 1: PAR: 50 INCHES X 4 INCHES X 5 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM AND SPAN 1 FACE OF CAP AT LEFT END



Bent 1 Cap 1: DELAMINATED AREA 30 INCHES WIDE X 14 INCHES HIGH ON SOUTH FACE NEAR RIGHT END.

Date: 05/09/2023



Bent 1 Cap 1: 31 FEET OF UP TO 3/8 INCHES LONGITUDINAL AND HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE AND AREAS OF DELAMINATION IN TOP, BOTTOM AND SPAN 1 FACE OF CAP, SIMILAR ON SPAN 2 FACE AND PIER 2

Date: 05/09/2023



Bent 1 Pile 1: (2) AREAS OF DELAMINATION UP TO 24 INCHES X 5 INCHES X 5 INCHES WITH 1/32 INCHES VERTICAL CRACKS IN SOUTHWEST AND NORTHWEST CORNERS OF COLUMN, APPROXIMATELY 3 FEET FROM BOTTOM OF CAP

Date: 05/09/2023

Condition Photos



Bent 2 Cap 1: LEFT END OF CAP, DELAMINATED AREA FULL HEIGHT AND FULL WIDTH WITH CRACKING UP 1/4 INCH WITH 8 INCH DIAMETER X 2 INCHDEEP SPALL AT SOUTHWEST CORNER



Bent 2 Pile 2: 40 INCHES X 9 INCHES X 6 INCHES AREA OF DELAMINATION WITH UP TO 3/8 INCHES VERTICAL CRACKS IN SOUTHEAST CORNER OF COLUMN, APPROXIMATELY 3 FEET FROM BOTTOM OF CAP

Date: 05/09/2023



TYPICAL AREAS OF SURFACE CORROSION AND CORROSION WITH NO MEASURABLE SECTION LOSS THROUGHOUT BEAM, BEAM 1 SPAN 1 SHOWN

Date: 05/09/2023



Span 1 Beam 4: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 7/16 INCHES RESIDUAL WEB, AND 60 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO 5/16 INCHES RESIDUAL FLANGE AT BENT 1

Date: 05/09/2023

Condition Photos



Span 2 Beam 4: PAR: CORROSION ALONG BOTH FACES OF WEB, BOTTOM FLANGE AND LEFT STIFFENER UP TO 60 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 1/2 INCHES RESIDUAL WEB, 66 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO KNIFE'S EDGE RESIDUAL FLANGE WITH 2 INCHES X 3 INCHES LOSS OF SECTION, AND 10 INCHES HIGH X 5 INCHES WIDE DOWN TO KNIFE'S EDGE RESIDUAL STIFFENER WITH 1 INCHES DIAMETER HOLE AT BENT 1; TIMBER BLOCK ADDED ADJACENT TO BEAM

Date: 05/09/2023

Condition Photos



Span 2 Beam 4: PAR: CORROSION ALONG BOTH FACES OF WEB, BOTTOM FLANGE AND LEFT STIFFENER UP TO 60 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 1/2 INCHES RESIDUAL WEB, 66 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO KNIFE'S EDGE RESIDUAL FLANGE WITH 2 INCHES X 3 INCHES LOSS OF SECTION, AND 10 INCHES HIGH X 5 INCHES WIDE DOWN TO KNIFE'S EDGE RESIDUAL STIFFENER WITH 1 INCHES DIAMETER HOLE AT BENT 1; TIMBER BLOCK ADDED ADJACENT TO BEAM

Date: 05/09/2023



BEAM 4 SPAN 2 WITH WELDED PLATE REPAIRS ON RIGHT FACE OF WEB AND BOTTOM FLANGE 24 INCHES LONG X 24 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 24 INCHES LONG X 4 INCHES X 1/2 INCH WIDE IN FLANGE AT BENT 1

Date: 05/09/2023



End Bent 2 Abutment: UP TO 1/16 INCHES DIAGONAL CRACKS IN FACE OF CURTAIN WALL EXTENDING FROM LEFT EDGE OF BOTTOM FLANGE OF BEAMS 1, 3 AND 4

Date: 05/09/2023

Condition Photos



Bent 3 Cap 1: PAR: 96 INCHES X 6 INCHES X 9 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 125 INCHES X 6 INCHES X 12 INCHES AREA OF DELAMINATION WITH UP TO 1/4 INCHES LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND SPAN 4 FACE OF CAP BETWEEN COLUMNS

Date: 05/09/2023



Bent 3 Cap 1: 60 INCHES X 6 INCHES X 4 INCHES SPALL WITH EXPOSED REBAR NO LOSS IN BOTTOM AND SPAN 4 FACE OF CAP AT LEFT END

Date: 05/09/2023



Bent 3 Cap 1: 32 INCHES X 30 INCHES X 30 INCHES AREA OF DELAMINATION WITH UP TO 1/4 INCHES HORIZONTAL AND MAP CRACKS AND 10 INCHES X 9 INCHES X 6 INCHES DEEP SPALL WITH EXPOSED REBAR NO LOSS THROUGHOUT RIGHT END OF CAP

Date: 05/09/2023

Condition Photos



Bent 3 Cap 1: PAR: 78 INCHES X 30 INCHES X 9 INCHES AREA OF DELAMINATION WITH UP TO 1/16 INCHES VERTICAL AND HORIZONTAL CRACKS AND 48 INCHES X 6 INCHES X 6 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN TOP, BOTTOM, LEFT END AND SPAN 3 FACE OF CAP

Date: 05/09/2023

Condition Photos



Bent 3 Cap 1: PAR: 26 INCHES X 2 INCHES X 11 INCHES SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 45 INCHES X 9 INCHES X 6 INCHES AREA OF DELAMINATION WITH UP TO 1/4 INCHES LONGITUDINAL AND HORIZONTAL CRACKS IN BOTTOM AND SPAN 4 FACE OF CAP AT RIGHT END

Date: 05/09/2023

Condition Photos



Bent 3 Cap 1: 36 INCHES X 6 INCHES X 12 INCHES AREA OF DELAMINATION WITH UP TO 1/32 INCHES LONGITUDINAL AND HORIZONTAL CRACKS IN TOP AND SPAN 4 FACE OF CAP BENEATH BAY 3

Date: 05/09/2023

Condition Photos



Bent 3 Cap 1: 7 FEET X 6 INCHES X 22 INCHES AREA OF DELAMINATION WITH UP TO 1/16 INCHES LONGITUDINAL AND HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN TOP AND SPAN 3 FACE OF CAP BENEATH BAY 3

Date: 05/09/2023



Bent 3 Pile 1: WEST FACE STARTING AT BOTTOM OF PILE, SPALL 2 FEET HIGH X 1 FEET WIDE X UP TO 1/8 INCH DEEP

Date: 05/09/2023

Condition Photos



Bent 3 Pile 2: (2) AREAS OF DELAMINATION UP TO 33 INCHES X 9 INCHES X 9 INCHES WITH UP TO 1/16 INCHES VERTICAL CRACKS IN SOUTHWEST AND NORTHWEST CORNERS, APPROXIMATELY 3 FEET FROM BOTTOM OF CAP

Date: 05/09/2023

Condition Photos



End Bent 2 Cap 1: 13 FEET X 15 INCHES X 8 INCHES AREA OF DELAMINATION WITH UP TO 1/16 INCHES LONGITUDINAL AND HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN TOP AND FACE OF CAP FROM LEFT OF BEAM 1 TO BEAM 2

Date: 05/09/2023

Condition Photos



End Bent 2 Cap 1: 46 INCHES X 8 INCHES X 9 INCHES AREA OF DELAMINATION WITH UP TO 1/16 INCHES LONGITUDINAL AND HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN TOP AND FACE OF CAP BENEATH BAY 3

Date: 05/09/2023

Condition Photos



Bent 2 Cap 1: PAR: 30 INCHES X 30 INCHES X 12 INCHES DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND FAILED REPAIR WITH 4 FEET SECTION OF FORMWORK IN RIGHT END OF CAP

Date: 05/09/2023



Bent 2 Pile 1: (2) AREAS OF DELAMINATION UP TO 36 INCHES X 7 INCHES X 5 INCHES WITH 1/16 INCHES VERTICAL CRACKS IN NORTHWEST AND NORTHEAST CORNERS OF COLUMN, APPROXIMATELY 3 FEET FROM BOTTOM OF CAP

Date: 05/09/2023

Condition Photos



SPAN 2 BEAM 1 AT BENT 2 END, REPAIR PLATE 6 INCH X 6 INCH X 1/2 INCH ANGLE THAT IS 5 FEET LONG BOLTED TO WEB AND FLANGE WITH 3/4 INCH DIAMETER BOLTS SPACED AT 6 INCH ON CENTER. WEB HAS 10 INCH LONG X 1 FEET 9 INCH HIGH X 3/8 INCH THICK PLATE ALSO BOLTED WITH 3/4 INCH DIAMETER BOLTS.

Date: 05/09/2023

Condition Photos



Span 2 Beam 1: AT BENT 2 END, REPAIR HAS BEEN INSTALLED CONSISTING OF 6 INCH X 6 INCH X 1/2 INCH ANGLE THAT IS 5 FEET LONG BOLTED TO WEB AND FLANGE WITH 3/4 INCH DIAMETER BOLTS SPACED AT 6 INCH ON CENTER. WEB HAS 10 INCH LONG X 1 FEET 9 INCH HIGH X 3/8 INCH THICK PLATE ALSO BOLTED WITH 3/4 INCH DIAMETER BOLTS. ANGLE HAS 1/16 INCH SECTION LOSS ON OUTER EDGES WITH 7/16 INCH AVERAGE REMAINING AND PLATE HAVE SURFACE CORROSION.

Date: 05/09/2023

Condition Photos



SPAN 3 BEAM 1 AT BENT 2 END, REPAIR PLATES 6 IN X 6 IN X 1/2 IN ANGLE THAT IS 5 FT LONG BOLTED TO WEB AND FLANGE WITH 3/4 IN DIAMETER BOLTS SPACED AT 6 IN ON CENTER. WEB HAS 10 IN LONG X 1 FT 9 IN HIGH X 3/8 IN THICK PLATE ALSO BOLTED WITH 3/4 IN DIAMETER BOLTS. ANGLE AND PLATE HAVE SURFACE RUST.

Date: 05/09/2023



SPAN 3 BENT 2 DIAPHRAGM IN BAY 1, 5 FEET LONG SECTION HAS BEEN REPLACED WITH 12 INCHES X 3 INCHES STEEL CHANNEL WELDED AT EACH END

Date: 05/09/2023



Span 3 Beam 2: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 10 INCHES LONG X 4 INCHES HIGH DOWN TO 1/4 INCHES RESIDUAL WEB, AND 12 INCHES LONG X 5 1/2 INCHES WIDE DOWN TO 3/8 INCHES RESIDUAL FLANGE AT BENT 2

Date: 05/09/2023

Condition Photos



SPAN 2 BEAM 2 AT BENT 2, WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 36 INCHES LONG X 20 INCHES HIGH 1/2 INCH THICK IN WEB, AND 36 INCHES LONG X 4 INCHES WIDE X 4 INCH HIGH X 1/2 INCH THICK ANGLE

Date: 05/09/2023



TYPICAL OVERHANG DIAPHRAGM SPALL 1 FEET LONG X 2 FEET WIDE X UP TO 4 INCH DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS, AT BENT 2 SHOWN



SPAN 2 BEAM 4 AT BENT 2 WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 30 INCHES LONG X 14 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 30 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK IN FLANGE AT BENT 2

Date: 05/09/2023

Condition Photos



Span 3 Beam 4: PAR--6 FOOT LONG CORROSION IN BOTTOM FLANGE REPAIR PLATE WITH 1/4 INCH AVERAGE REMAINING WITH 1 1/2 INCH X 1/2 INCH HOLE IN LEFT SIDE AT 18 INCHES FROM BEARING, BOTTOM FLANGE BELOW REPAIR PLATE WITH 3/8 INCH AVERAGE REMAINING WITH 24 INCH X UP TO 1 1/2 INCH WIDE HOLE IN LEFT SIDE STARTING AT BEARING. MEASUREMENTS OF WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 21 1/2 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 60 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK IN FLANGE AT BENT 2

Date: 05/09/2023

Condition Photos



Span 3 Beam 4: PAR--6 FOOT LONG CORROSION IN BOTTOM FLANGE REPAIR PLATE WITH 1/4 INCH AVERAGE REMAINING WITH 1 1/2 INCH X 1/2 INCH HOLE IN LEFT SIDE AT 18 INCHES FROM BEARING, BOTTOM FLANGE BELOW REPAIR PLATE WITH 3/8 INCH AVERAGE REMAINING WITH 24 INCH X UP TO 1 1/2 INCH WIDE HOLE IN LEFT SIDE STARTING AT BEARING. MEASUREMENTS OF WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 21 1/2 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 60 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK IN FLANGE AT BENT 2

Date: 05/09/2023

Condition Photos



SPAN 3 BEAM 4 AT BENT 2 WELDED PLATE REPAIRS ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 60 INCHES LONG X 21 1/2 INCHES HIGH X 1/2 INCH THICK IN WEB, AND 60 INCHES LONG X 4 INCHES WIDE X 1/2 INCH THICK IN FLANGE AT BENT 2

Date: 05/09/2023



Span 3 Beam 1: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 43 INCHES LONG X 10 INCHES HIGH DOWN TO 1/2 INCHES RESIDUAL WEB, AND 36 INCHES LONG X UP TO 11 INCHES WIDE WITH SECTION LOSS DOWN TO KNIFES EDGE WITH 1/4 INCH AVERAGE REMAING FULL WIDTH OF FLANGE WITH 8 INCH X 2 INCH AREA AT BEARING THAT IS PAPER THIN WITH PERFORATIONS ON RIGHT SIDE AT BENT 3

Date: 05/09/2023



Span 3 Beam 2: CORROSION WITH 1/16 INCH SECTION LOSS ALONG LEFT EDGE OF BOTTOM FLANGE 9 INCHES LONG X 5 1/2 INCHES WIDE (9/16 INCH REMAINING) AT BENT 3

Date: 05/09/2023

Condition Photos

County: HAYWOOD

Structure: 430158

Span 4 Beam 2: CORROSION WITH 1/16 INCH SECTION LOSS ALONG LEFT EDGE OF BOTTOM FLANGE 20 INCHES LONG X 11 5/8 INCHES WIDE (9/16 INCH REMAINING) AND CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG BOTH FACES OF WEB UP TO 27 INCHES LONG X 5 INCHES HIGH IN WEB AT BENT

County: HAYWOOD

Date: 05/09/2023

Condition Photos



Span 3 Beam 4: 2 FOOT LONG CORROSION IN BOTTOM FLANG AND WEB WITH 1/16 INCH SECTION LOSS IN BOTTOM FLANGE FULL WIDTH WITH 9/16 INCH AVERAGE REMAINING AND UP TO 22 INCHES HIGH IN WEB WITH 1/16 INCH SECTION LOSS WITH 9/16 INCH AVERAGE REMAINING AT BENT 3

Date: 05/09/2023



Span 4 Beam 4: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 36 INCHES LONG X 13 INCHES HIGH WITH NO MEASURABLE LOSS OF SECTION IN WEB, AND 36 INCHES LONG X 5 1/2 INCHES WIDE DOWN TO 7/16 INCHES RESIDUAL WITH 1/2 INCH AVERAGE REMAINING IN FLANGE AT BENT 3

Date: 05/09/2023



Span 4 Beam 1: PAR: CORROSION ALONG BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 72 INCHES LONG X 31 1/2 INCHES HIGH DOWN TO 7/16 INCHES RESIDUAL WEB, AND 82 INCHES LONG X 11 5/8 INCHES WIDE DOWN TO 3/8 INCHES RESIDUAL FLANGE AT BENT 3

Date: 05/09/2023

Condition Photos



Span 4 Beam 4: CORROSION WITH 1/16 INCH LOSS OF SECTION ALONG RIGHT EDGE OF BOTTOM FLANGE WITH 9/16 INCH REMAINING 6 INCHES LONG X 2 INCHES WIDE AT END BENT 2



TYPICAL AREAS OF SURFACE CORROSION THROUGHOUT BEAM, SPAN 4 BEAM 3 SHOWN

Stream Bed Soundings (Profile diagram on following sheet)

County HAYWOOD

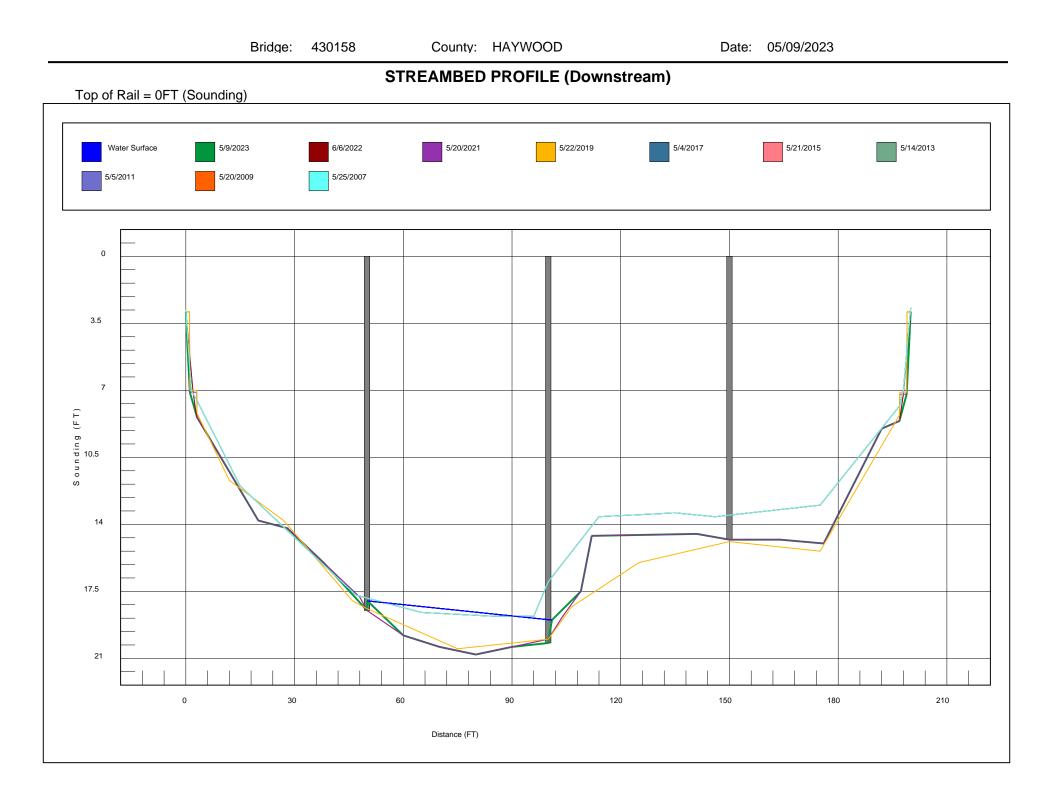
Structure Number: 430158

Sounding Date 05/11/2023

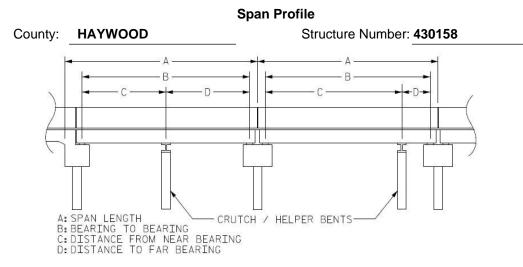
Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance 15 Location of Highwater Mark STAINS ON COLUMNS

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.900	0.000	FILL FACE
1.100	7.100	0.000	TOP OF CAP
3.100	8.400	8.300	STREAM FACE
20.000	13.800	0.000	TOE OF SLOPE
28.000	14.200	0.000	
38.000	16.000	0.000	
50.000	18.500	19.100	PIER 1
50.100	18.000	0.000	WSWE
60.000	19.800	0.000	
70.000	20.400	0.000	
80.000	20.800	0.000	
90.000	20.400	0.000	
100.000	20.200	17.000	PIER 2
101.000	19.000	0.000	WSWE
109.000	17.500	0.000	
112.000	14.600	0.000	
141.000	14.500	0.000	
150.000	14.800	14.600	PIER 3
155.000	14.800	0.000	
164.000	14.800	0.000	EDGE OF GREENWAY
176.000	15.000	0.000	TOE OF SLOPE
192.000	9.000	0.000	
196.900	8.600	8.700	STREAM FACE
198.900	7.200	0.000	TOP OF CAP
200.000	2.900	0.000	FILL FACE



Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	50.000	48.500			
2	50.000	48.750			
3	50.000	48.750			
4	50.000	48.500			



LOOKING EAST THROUGH SPAN 4

Route Number: 88000	000	Route Na	ime: (Greenway			Reference Feature:	G
Minimum Vertical Clear	ance 7.9	00 feet	Maxim	um Minimum Vertical				
Total Horizontal Clearance 23.000 feet Lateral Clearances: Left: 11.000 feet Right 4.000 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 Sy	vstem				TRAHNET	Highway Desig	nator	
Functional Classificatio	n			Direc	tion of Tra	ffic:		

Bridge Inspection Field Sketch

MEAS. 25FT NORTH OF BRIDGE

Roadway	24ft Wide	2 Paved Lanes	Looking South
Left Shoulder	2.33ft Wide	2ft Paved	.33ft Unpaved
Right Shoulder	2.5ft Wide	1.67ft Paved	0.83ft Unpaved
Left Guardrail	2.33ft from road		
Right Guardrail	2.5ft from road		
OACH ROADWAY		Description LOOKING SOUTH	

S

Bridge Inspection Field Sketch

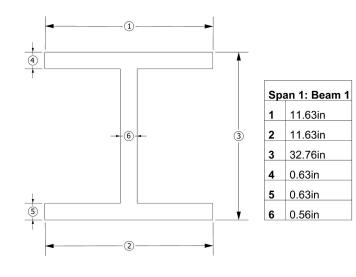
Deck Width/Out to Out	33.25ft	Betwee	n Rails			29.75ft	
Clear Roadway	28ft	Wearin	g Surface			2in	
Median Width		Median	Median Height				
Curb Height		Left	8in	Right	8in		
Sidewalk Width		Left	Left Right				
Clear Roadway (Rail to Median)		Left		Right			
Guardrail Width		Left	Left 12in Right 12		12ir	ı	
Top of Rail to Deck/Wearing Sur	face	Left	3.503ft	Right	3.50)3ft	
Bridge Rail Type		Left	Type 9	Right	Тур	e 9	

4

P

Measurements for Span #	1		
Deck Thickness	7.75in	Left Overhang	4.625ft
Top of Rail to Bottom of Beam (Avg)	7.113ft	Right Overhang	4.625ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Plate Girder	11.63in	32.76in	4.625ft	Left Edge of Deck
2	Plate Girder	11.63in	32.76in	8ft	Beam 1
3	Plate Girder	11.63in	32.76in	8ft	Beam 2
4	Plate Girder	11.63in	32.76in	8ft	Beam 3



Title TYPICAL SECTION			Descriptio SPANS 1				
Structure No: 430158	Drawn By:	MAL		Date:	5/11/2023	Filename:	S001458000271.wes

-	aps		Len	ngth V	Width	Height	Left Beam to	End of Cap	Right Bear	n to End of C
ŧ	Name Type	forced Concrete Pier Cap	Len 31f	-	Width 30in	Height 30in	Left Beam to 1.5ft	End of Cap	Right Bear 1.5ft	n to End of C
<i>‡</i>	Name Type			-				End of Cap		n to End of C
ł Pi	Name Type Cap 1 Reinf les		31f	-		30in		End of Cap Height/Diam	1.5ft	n to End of C
¥	Name Type Cap 1 Reinf les Name Pile 1	forced Concrete Pier Cap	31f	ft 3 Spacing 5.5ft	30in Fro	30in om ft End of Ber	1.5ft		1.5ft	

Title SUBSTRUCTURE		Description BENTS 1-3				
Structure No: 430158	Drawn By: MAL		Date:	5/11/2023	Filename:	S001458000272.wes

Date: 05/09/2023

Structure Photos



LOOKING NORTH



GUARDRAIL TERMINAL END SOUTHEAST CORNER

County: HAYWOOD

Date: 05/09/2023

Structure Photos



GUARDRAIL POST SPACING MIDWAY SOUTHEAST SHOWN NORTHWEST AND NORTHEAST SIMILAR



GUARDRAIL POST SPACING AT BRIDGE SOUTHEAST SHOWN NORTHWEST AND NORTHEAST SIMILAR

County: HAYWOOD

Date: 05/09/2023

Structure Photos



GUARDRAIL ATTACHMENT TO BRIDGE SOUTHEAST SHOWN NORTHEAST SIMILAR



LOOKING EAST UPSTREAM

County: HAYWOOD

Date: 05/09/2023

Structure Photos



LOOKING EAST SPAN 4



GUARDRAIL TRANSITION TO BRIDGE NORTHWEST CORNER



LOOKING SOUTH



LOOKING WEST SPAN 4

Date: 05/09/2023

Structure Photos



LOOKING WEST DOWNSTREAM



ABUTMENT 1, ABUTMENT 2 SIMILAR

Date: 05/09/2023

Structure Photos



PIER 1, PIER 2 SIMILAR



TYPICAL BEARING BEAM 2 SPAN 1 A PIER 1 SHOWN

Date: 05/09/2023

Structure Photos



SUPERSTRUCTURE UNDERSIDE SPAN 2, ALL OTHERS SIMILAR



UTILITY UNDER SPAN 1, NOT ATTACHED TO BRIDGE

County: HAYWOOD

Date: 05/09/2023

Structure Photos



WEST ELEVATION



EAST ELEVATION

County: HAYWOOD

Date: 05/09/2023

Structure Photos



LOOKING WEST THROUGH SPAN 4



LOOKING EAST THROUGH SPAN 4