NC DEPARTMENT OF TRANSPORTATION



DIVISION OF HIGHWAYS

STRUCTURE MANAGEMENT UNIT

Structure Safety Report

		Routine Element In	nspection	- Contrac	;t	
STRUCTURE NU	JMBER: 110025	SAP STRUCTURE NO:	0120025	FHW	A STRUCTURE NO:	00000000230025
DIVISION: 13	COUNTY: BURKE	INSPEC	TION DATE:	08/28/2023	FREQUENCY:	24 MONTHS
FACILITY CARR	IED: US64			N		
LOCATION: .22	MI.S.JCT.SR2013					
FEATURE INTER	RSECTED: I-40					
LATITUDE: 35°	° 43' 9.07"	LONGITUDE:	81° 41' 38.5	7"		
SUPERSTRUCT	JRE: REINFORCED CC	DNCRETE DECK GIRDER				
SUBSTRUCTUR	E: E.BTS:RC CAPS/PPC	PILES;BTS:RC POST&B	EAM			
SPANS: 4 SP	ANS. SEE SPAN PROFI	LE SHEET FOR SPAN DE	TAILS			
FRACTURE				FICAL [SCOUR PLAN OF	F ACTION
GRADES: (Insp	ector/NBI Coding) DECK 6	/ 6 SUPERSTRUCTUR	RE 5/5	SUBSTRUCT		VERT N/N
POSTED SV: N	lot Posted		POSTED TT	ST: Not Poste	ed	

OTHER SIGNS PRESENT: none



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

11/17/2023

(1) STATE NAME NORTH CAROLINA BRIDGE	110025 SUFFICIENCY RATING
(8) STRUCTURE NUMBER (FEDERAL)	0230025 STATUS =
(5) INVENTORY ROUTE (ON/UNDER) ON	121000640 CL
(2) STATE HIGHWAY DEPARTMENT DISTRICT	13 (112) NBIS BRIDGE SYSTEM
(3) COUNTY CODE (FEDERAL) 23 (4) PLACE CODE (6) FEATURE INTERSECTED I-40	44400 (104) HIGHWAY SYSTEM
(7) FACILITY CARRIED US64	(26) FUNCTIONAL CLASS
(9) LOCATION .22 MI.S.JCT.SR2013	(100) STRAHNET HIGHWAY
(11) MILEPOINT	0.0 (101) PARALLEL STRUCTURE
	1 (102) DIRECTION OF TRAFFIC
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 35° 43' 9.07 " (17) LONGITUDE 8	20064 (103) TEMPORARY STRUCTURE
(98) BORDER BRIDGE STATE CODE PERCENT SHARE	
(99) BORDER BRIDGE STRUCTURE NUMBER	(20) TOLL
	(21) MAINT -
43) STRUCTURE TYPE AND MATERIAL	Concrete (22) OWNER -
TYPE Tee Beam CC	
(44) STRUCTURE TYPE APPROACH	
	ODE (58) DECK
(45) NUMBER OF SPANS IN MAIN UNIT	4 (59) SUPERSTRUCTURE
(46) NUMBER OF SPANS IN APPROACH	
(108)WEARING SURFACE/PROTECTIVE SYSTEM	(62) CULVERTS
	DDE 6 LOAD RAT
	DDE 0 (63) OPERATING RATING METHOD
	(64) OPERATING RATING -
(27) YEAR BUILT	1957 (65) INVENTORY RATING METHOD
(106) YEAR RECONSTRUCTED	0 (66) INVENTORY RATING
	Dass Structure (70) BRIDGE POSTING
	DDE 61 (41) STRUCTURE OPEN, POSTED,
(28) LANES ON STRUCTURE 5 LANES UNDER STRUCTUF (29) AVERAGE DAILY TRAFFIC	26000
(30) YEAR OF ADT 2022 (109) TRUCK ADT PCT	12 (67) STRUCTURAL EVALUATION
(19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA	0.0 (68) DECK GEOMETRY
	(69) UNDERCLEARANCES, VERT &
(48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH	56.0 (71) WATERWAY ADEQUACY 213.0 (72) ADDDO A OLI DO ADWAY ALION
(50) CURB OR SIDEWALK: LEFT 2.9 RIGHT	3.3 (72) APPROACH ROADWAY ALIGNI
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB	56.0 (36) TRAFFIC SAFETY FEATURES
(52) DECK WIDTH OUT TO OUT	65.9 (113) SCOUR CRITICAL BRIDGES
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)	57.0 PROPOSE
(33) BRIDGE MEDIAN Closed Median (no barrier) CODE (34) SKEW 7 (35) STRUCTURE FLARED	E 2 (75) TYPE OF WORK 0 (75) TYPE OF WORK
(10) INVENTORY ROUTE MIN VERT CLEAR	(76) LENGTH OF STRUCTURE IMPF 999.9
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	56.0 (94) BRIDGE IMPROVEMENT COST
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 (95) ROADWAY IMPROVEMENT CC
(54) MIN VERT UNDERCLEAR: REFERENCE H	14.9 (96) TOTAL PROJECT COST
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE H	16.2 (97) YEAR OF IMPROVEMENT COS
(56) MIN LAT UNDERCLEARANCE LT:	(114) FUTURE ADT 52
NAVIGATION DATA	
(38) NAVIGATION CONTROL - CO	DDE N (90) INSPECTION DATE
(111) PIER PROTECTION CO	DDE (92) CRITICAL FEATURE INSPECTI
(39) NAVIGATION VERTICAL CLEARANCE	0.0 A) FRACTURE CRIT DETAIL
	0.0 B) UNDERWATER INSP
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR (40) NAVIGATION HORIZONTAL CLEARANCE	0.0B) UNDERWATER INSP0.0C) OTHER SPECIAL INSP

SUFFICIENCY RATING	66.00
STATUS =	
CLASSIFICATION	CODE
(112) NBIS BRIDGE SYSTEM	YES
(104) HIGHWAY SYSTEM Inventory Route is on NHS	1
(26) FUNCTIONAL CLASS Urban Other Principal Arterial	14
(100) STRAHNET HIGHWAY Not a STRAHNET Route	0
(101) PARALLEL STRUCTURE No parallel structure exists	N
(102) DIRECTION OF TRAFFIC 2-way traffic	2
(103) TEMPORARY STRUCTURE	
(110) DESIGNATED NATIONAL NETWORK - on natiional network for trucks	1
(20) TOLL On Free Road	3
(21) MAINT -	01
(22) OWNER -	01
(37) HISTORICAL SIGNIFICANCE -	5
CONDITION	CODE
	6
(59) SUPERSTRUCTURE	5
	5
(61) CHANNEL & CHANNEL PROTECTION	N
(62) CULVERTS	N
(31) DESIGN LOAD LOAD RATING AND POSTING H 20 + Mod	CODE 6
(63) OPERATING RATING METHOD - Load Factor	1
(64) OPERATING RATING - HS-34	62
(65) INVENTORY RATING METHOD -	1
(66) INVENTORY RATING HS-21	37
(70) BRIDGE POSTING No Posting Required	5
(41) STRUCTURE OPEN, POSTED, OR CLOSED	Α
DESCRIPTION Open, no restriction	
APPRAISAL	CODE
(67) STRUCTURAL EVALUATION	5
(68) DECK GEOMETRY	2
(69) UNDERCLEARANCES, VERT & HORIZ	3
(71) WATERWAY ADEQUACY	Ν
(72) APPROACH ROADWAY ALIGNMENT	8
(36) TRAFFIC SAFETY FEATURES	0111
(113) SCOUR CRITICAL BRIDGES	Ν
PROPOSED IMPROVEMENTS	
(75) TYPE OF WORK COD	E
(76) LENGTH OF STRUCTURE IMPROVEMENT	
(94) BRIDGE IMPROVEMENT COST	
(95) ROADWAY IMPROVEMENT COST	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114) FUTURE ADT 52,000 YEAR OF FUTURE ADT	2040
(90) INSPECTION DATE 08/23 (91) FREQUENCY	24
(92) CRITICAL FEATURE INSPECTION (93) CFI DAT	
A) FRACTURE CRIT DETAIL A)	
B) UNDERWATER INSP B)	
C) OTHER SPECIAL INSP C)	

			Vertical							raffic	Ice			See N	lote Be	low			Е	
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 T	Total Horizontal Clearan	Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	Left Lateral Underclearance		STRAHNET Highway	Direction of Traffic	National Highway System	National Truck Network
	7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
2	I 40 E	11000400	17.8	103.1	1	10040	11	2	23000	2015	41.7	н	16.9	16.4	13.2	6		1		
3	I 40 W	11000400	15.8	103.1	1	10040	11	2	23000	2015	42.1	н	14.9	16.8	12.8	3		1		

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)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	3648	Square Feet		
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10
1	Asphalt Wearing Surface	Wearing Surface	3192	Square Feet		
1	Steel Rail	Metal Bridge Railing	57	Feet	Unknown	171
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	570	Feet		
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
1	Concrete Railing	Reinforced Concrete Bridge Railing	57	Feet		
Span Nu	imber <u>2</u> Sp	an Length <u>57.000</u>		Sk	iew 83.000	1

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)	
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10	
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10	
1	Standard Joint	Pourable Joint Seal	61	Feet			
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	570	Feet			
1	Asphalt Wearing Surface	Wearing Surface	3192	Square Feet			
1	Reinforced Concrete Deck	Reinforced Concrete Deck	3648	Square Feet			
1	Concrete Railing	Reinforced Concrete Bridge Railing	57	Feet			
1	Steel Rail	Metal Bridge Railing	57	Feet	Unknown	171	
Span Nu	Imber <u>3</u> Sp	an Length <u>57.000</u>		Sk	ew 83.000		

Number of Items		Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10

Span Number 1Span Length57.000

Skew 83.000

Superstructure Build Details

1	Steel Rail	Metal Bridge Railing	57	Feet	Unknown	171
1	Concrete Railing	Reinforced Concrete Bridge Railing	57	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	3648	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	3192	Square Feet		
1	Standard Joint	Pourable Joint Seal	61	Feet		
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	570	Feet		
Span I	Number <u>4</u> Sp	an Length <u>41.920</u>		Sk	ew 83.000	

Number						Quantity
of Items	Type of Component	Element Name		Quantity	Protective System Applied	(Sq Ft)
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
1	Concrete Railing	Reinforced Concrete Bridge Railing	42	Feet		
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	420	Feet		
1	Asphalt Wearing Surface	Wearing Surface	2348	Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2683	Square Feet		
1	Standard Joint	Pourable Joint Seal	61	Feet		
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10
1	Steel Rail	Metal Bridge Railing	42	Feet	Unknown	126

Structure Element Scoring

Structure Number: 110025

Inspection Date 8/28/2023

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	13,627	13,121	503	3	0
110		Reinforced Concrete Open Girder/Beam	Beam	2,130	2,014	92	16	8
205		Reinforced Concrete Column	Piles and Columns	12	4	1	7	0
215		Reinforced Concrete Abutment	Abutments	136	131	0	5	0
220		Reinforced Concrete Pile Cap/Footing	Footing	30	30	0	0	0
226		Prestressed Concrete Pile	Piles and Columns	26	26	0	0	0
234		Reinforced Concrete Pier Cap	Caps	323	133	23	151	16
301		Pourable Joint Seal	Expansion Joints	183	183	0	0	0
311		Movable Bearing	Bearing Device	40	0	3	37	0
515	311	Steel Protective Coating	Bearing Device	40	0	0	0	40
313		Fixed Bearing	Bearing Device	40	4	15	21	0
515	313	Steel Protective Coating	Bearing Device	40	3	0	13	24
330		Metal Bridge Railing	Bridge Rail	213	0	213	0	0
515	330	Steel Protective Coating	Bridge Rail	639	89	0	550	0
331		Reinforced Concrete Bridge Railing	Bridge Rail	213	184	14	15	0
510		Wearing Surface	Wearing Surfaces	11,924	11,484	0	440	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 110025

Inspection Date: 08/28/2023

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	5 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	500 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	1 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	73 Feet
3306	Reinforced Concrete Open Girder/Beam	Patched Area	1 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	25 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	54 Feet
3306	Reinforced Concrete Open Girder/Beam	Efflorescence/Rust Staining	30 Feet
3348	Reinforced Concrete Column	Efflorescence/Rust Staining	3 Each
3348	Reinforced Concrete Column	Delamination/Spall	4 Each
3350	Reinforced Concrete Abutment	Settlement	1 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	4 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	26 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	36 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	4 Feet
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	59 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	74 Feet
3334	Movable Bearing	Connection	2 Each
3334	Movable Bearing	Corrosion	35 Each
3334	Fixed Bearing	Corrosion	20 Each
3318	Reinforced Concrete Bridge Railing	Patched Area	13 Square Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	2 Feet
2816	Wearing Surface	Crack (Wearing Surface)	440 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	627 Square Feet

Element Structure Maintenance Quantities

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3306	Maintenance Concrete Superstructure Components	183	2130	8.000	16.000	92.000	2014.000
Bearing Device	3334	Bridge Bearing	37	40	0.000	37.000	3.000	0.000
Bearing Device	3334	Bridge Bearing	20	40	0.000	21.000	15.000	4.000
Bearing Device	3342	Clean and Paint Steel	40	40	40.000	0.000	0.000	0.000
Bearing Device	3342	Clean and Paint Steel	37	40	24.000	13.000	0.000	3.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	15	213	0.000	15.000	14.000	184.000
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	213	0.000	0.000	213.000	0.000
Bridge Rail	3342	Clean and Paint Steel	550	639	0.000	550.000	0.000	89.000
Deck	3326	Maintenance of Concrete Deck	506	13627	0.000	3.000	503.000	13121.00
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	183	0.000	0.000	0.000	183.000
Wearing Surfaces	2816	Asphalt Surface Repair	440	11924	0.000	440.000	0.000	11484.00
Abutments	3350	Maintenance of Concrete Wings and Wall	5	136	0.000	5.000	0.000	131.000
Caps	3348	Maintenance of Concrete Substructure	199	323	16.000	151.000	23.000	133.000
Footing	3348	Maintenance of Concrete Substructure	0	30	0.000	0.000	0.000	30.000
Piles and Columns	3348	Maintenance of Concrete Substructure	7	12	0.000	7.000	1.000	4.000
Piles and Columns	3348	Maintenance of Concrete Substructure	0	26	0.000	0.000	0.000	26.000

ban1			
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 1 Beam 3: (PAR) at bent 1, west face, spall/delamination (8 inch x 24 inch x 1/2 inch deep) with exposed rusted rebar with (approximately 25 percent loss)
3306	Beam 5	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 1 Beam 5: (PAR) at bent 1, bay 5 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 6	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 1 Beam 6: (PAR) at bent 1, west face, spall/delamination (5 inch x 30 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 7	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 1 Beam 7: (PAR) at bent 1, bay 7 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 9	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 1 Beam 9: (PAR) at bent 1, bay 9 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)
pan2			
3326	Deck	Reinforced Co	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Span 2 Deck: (PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar
3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description

2	Exposed Rebar	6	Span 2 Beam 1: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 1.
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 2.
2	Exposed Rebar	6	Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 1.
3306	Beam 5	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
	Defect Type	Quantity 1	
	Exposed Rebar	I	Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 10 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATEL 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 5.
2	Exposed Rebar	6	Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 1 DIAPHRAGM, BAY 5.
3306	Beam 7	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 2 Beam 7: (PAR) SPAN 2 BEAM 7 WEST WEB OVER BENT 2. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 7 INCH X 32 INCH X 3/4 INCH DEEP. WITH EXPOSED RUSTED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS
pan3			
3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 3 Beam 1: (PAR) 10 INCH X 39 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATEL 25 PERCENT LOSS, EAST FACE OF WEB, AT BENT 3.
2	Efflorescence/Rust	6	Span 3 Beam 1: (PAR) at bent 3, bay 1 end diaphragm, delamination (full width x fu height) with cracks (up to 1/2 inch deep) with rust stains
3306	Beam 2	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	6	Span 3 Beam 2: (PAR) at bent 3, bay 2 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/2 inch deep) with rust stains
2	Exposed Rebar	6	Span 3 Beam 2: (PAR) at bent 2, bay 2 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25

			percent loss)
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
1	Efflorescence/Rust	6	Span 3 Beam 3: (PAR) at bent 3, bay 3 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/4 inch deep) with rust stains
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
1	Efflorescence/Rust	6	Span 3 Beam 4: (PAR) at bent 3, bay 4 end diaphragm, delamination (full width x 5 inch) with cracks (up to 1/4 inch deep) with rust stains
3334	Beam 6	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 3 Beam 6 - Far Bearing 6: (PAR) active corrosion with section loss [up to 1/1 inch loss on plates]; east guide rail, sheared
3306	Beam 8	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 3 Beam 8: (PAR) at bent 2, bay 8 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 9	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 3 Beam 9: (PAR) 6 FOOT X 1 FOOT X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BEN 2 DIAPHRAGM, BAY 9.
pan4			
3326	Deck	Reinforced Co	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	3	Span 4 Deck: (PAR) along underside left overhang, three [3] spalls [up to 6 inch
2	Exposed Rebar	1	diameter x 1/2 inch deep] with exposed rusted reinforcing [no loss noted] Span 4 Deck: (PAR) under bay 1 at 6 foot from end bent 2, spall [10 inch x 11 inch up to 1 inch deep] with exposed rusted reinforcing [loss up to 1/16 inch]
3306	Beam 2	Reinforced Co	ncrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 2: (PAR) at near end, east face, spall/delamination [18 inch x 18 inc x up to 2 inch deep] with exposed rusted reinforcing [section loss up to 1/16 inch]
3306	Beam 6	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 6: (PAR) SPAN 4 BEAM 6 EAST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR WITH APPROXIMAT 25 PERCENT LOSS AND RUST STAINS VISIBLE. AREA IS: 5 INCH X 32 INCH INCH DEEP.
2	Connection	1	Span 4 Beam 6 - Near Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared
3306	Beam 7	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 4 Beam 7: (PAR) SPAN 4 BEAM 7 WEST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED WITH APPROXIMATELY 25 PERCENT LOSS. AREA IS: 20 INCH X 15 INCH X 2 INC DEEP.
3306	Beam 8	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 8: (PAR) at bent 3, west face, spall/delamination (17 inch x 15 inch 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 9	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	6	Span 4 Beam 9: (PAR) FULL LENGTH X 8 INCH X FULL WIDTH FAILED PATCH/DELAMINATION WITH CRACKS (UP TO 1/4 INCH) WITH RUST STAIN IN BENT 3 DIAPHRAGM, BAY 9
3306	Beam 10	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 4 Beam 10: (PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.
ent 1			
3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description

\frown			
2	Efflorescence/Rust	8	End Bent 1 Cap 1: (PAR) END BENT 1 CAP HAS A DELAMINATION 8 FOOT X 6 INCH X 6 INCH WITH CRACKS UP TO 1/4 INCH CRACKS WITH EFFLORESCENCE AND RUST STAINS VISIBLE, UNDER BAY 9.
3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	30	Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to $1/8$ inch) with rust stains
3348	Pile 4	Reinforced Co	ncrete Column
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	1	Bent 1 Pile 4: (PAR) (2)- UP TO 5 FOOT X 1/32 INCH VETICAL CRACKS WITH RUST STAIN, EAST FACE, BEGINNING AT BOTTOM OF CAP.
Bent 2			
3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	10	Bent 2 Cap 1: (PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUT NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.
2	Exposed Rebar	1	Bent 2 Cap 1: (PAR) 6 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSE REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, SOUTH FACE, UNDER BEAM 2.
2	Efflorescence/Rust	8	Bent 2 Cap 1: (PAR) 8 FOOT X 3 FOOT DELAMINATION WITH MAP CRACKING UP TO 1/16 INCH WITH RUST STAINS, BOTTOM FACE, BETWEEN PILES 1 AN 2.
2	Exposed Rebar	10	Bent 2 Cap 1: (PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORT AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS U TO FULL HEIGHT OF SOUTH FACE
3350	Abutment	Reinforced Co	ncrete Abutment
Priority Level	Defect Type	Quantity	Defect Description
2	Settlement	1	End Bent 2 Abutment: (PAR) SOIL INFILTRATION THROUGH UTILITY ACCESS HOLE, BAY 9.
Bent 3			

Priority			
Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Bent 3 Cap 1: (PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)
2	Delamination/Spall	24	Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)
2	Efflorescence/Rust	7	Bent 3 Cap 1: (PAR) BENT 3 CAP NORTH FACE BAY 6. FAILED PATCH [7 FOO X UP TO 40 INCH] WITH MULTIPLE ADJACENT DELAMINATION [UP TO 28 INC X 18 INCH], RUST STAIN AND EFFLORESCENCE
2	Efflorescence/Rust	6	Bent 3 Cap 1: (PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X 8 INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS
3348	Pile 1	Reinforced Co	ncrete Column
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	1	Bent 3 Pile 1: (PAR) MULTIPLE UP TO 3 FOOT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.
3348	Pile 4	Reinforced Co	ncrete Column
Priority Level	Defect Type	Quantity	Defect Description
	Efflorescence/Rust	1	Bent 3 Pile 4: (PAR) MULTIPLE UP TO FULL HEIGHT X 1/16 INCH VETICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.
Approach Guardrail and Barriers	Efflorescence/Rust	1	
Guardrail and	Approach Guardrail and Barriers		
Guardrail and Barriers	Approach Guardrail and		CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.
Guardrail and Barriers 3120 Priority Level	Approach Guardrail and Barriers	Approach Gua	CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.
Guardrail and Barriers 3120 Priority	Approach Guardrail and Barriers	Approach Gua Quantity	CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT. rdrail and Barriers Defect Description
Guardrail and Barriers 3120 Priority Level 2	Approach Guardrail and Barriers	Approach Gua Quantity 1	CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT. rdrail and Barriers Defect Description (PAR) northwest guardrail attachment, (2) missing/detached bolts (PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

Element Condition and Maintenance Data

Span 1 Reinforced Concrete	D I				In	spection Date: 08/28/2023
Reinforced Concret	Deck					
	e Deck					
Element Number	Element Name	Total	CS1 Qty	CS2 Qty	CS3	CS4 Qty
	prced Concrete Deck	Qty 3,648	3,148	500	Qty 0	0 Square Feet
		-,	-,			•
Element Number Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty
12 Cracking (RC and	SPAN 1 BOTTOM OF DECK HAS SC			2	500	500 Square Feet
Other)	CRACKS UP TO 1/32 INCH WITH SC EFFLORESCENCE VISIBLE	DME				
General Comments						
Span 1	Beam 1					
Reinforced Concrete	e Girder					
Element		Total	CS1	CS2	CS3	CS4
Number	Element Name	Qty	Qty	Qty	Qty	Qty
110 Reinfo	orced Concrete Open Girder/Beam	57	47	10	0	0 Feet
Element Number Defect Type	Defect Descripti	ion		CS	CS Qty	Maint
NumberDefect Type110Cracking (RC and	along the length of the beam, vertical			2	10 u ly	Qty Feet
Other)	1/32 inch x full height) at random			-		
Reinforced Concrete	e Girder					
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
	prced Concrete Open Girder/Beam	57	56	0	0	1 Feet
Element Number Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty
110 Exposed Rebar	(PAR) at bent 1, west face, spall/delar x 24 inch x 1/2 inch deep) with expose with (approximately 25 percent loss)			4	1	1 Feet
General Comments						
	Daam C					
Span 1	Beam 5					
Span 1 Reinforced Concrete						
Reinforced Concrete	e Girder	Total	CS1	CS2	CS3	CS4
Reinforced Concrete Element Number		Total Qty 57	CS1 Qty 57	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Feet
Reinforced Concrete Element Number 110 Reinfo Element	e Girder Element Name	Qty 57	Qty	Qty	Qty	Qty 0 Feet Maint
Reinforced Concrete Element Number 110 Reinfo	e Girder Element Name orced Concrete Open Girder/Beam	Qty 57	Qty	Qty 0	Qty 0	Qty 0 Feet

Structure Number: 110025

Spa	an 1	Beam 6						
Rei	inforced Con	crete Girder						
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	F	Reinforced Concrete Open Girder/Beam	57	56	0	0	1 Feet	
Eleme Numbe	Defect T	vpe Defect Descrip	tion		CS	CS Qty	Maint Qty	
✔ 110	Exposed Reba	r (PAR) at bent 1, west face, spall/dela x 30 inch x 1/2 inch deep) with expos (approximately 25 percent loss)			4	1	1 Fe	et
	General Comm	ents						
Spa	an 1	Beam 7						
Rei	inforced Con	crete Girder						
	ement Imber F	Element Name Reinforced Concrete Open Girder/Beam	Total Qty 57	CS1 Qty 56	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Feet	
Eleme Numbe	Defect T	/pe Defect Descrip	tion		CS	CS Qty	Maint Qty	
Numbe ∑ 110	Exposed Reba		n, idth x up to full		4	-	6 Fe	et
							4 5-	- 1
✔ 110	Cracking (RC a Other) General Commo	inch) with cracks (up to 1/8 inch)	up to 5 inch x 8		3	1	1 Fe	et
Spa	Other) General Common	inch) with cracks (up to 1/8 inch) ents Beam 9	up to 5 inch x 8		3	1	1 Fe	et
Spa Rei	Other) General Common an 1 inforced Cond	inch) with cracks (up to 1/8 inch) ents Beam 9	·	651				er
Spa Rei Ele Nu	Other) General Common an 1 inforced Contement imber	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	et
Spa Rei Ele	Other) General Common an 1 inforced Contement imber	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder	Total		CS2	CS3	CS4	et
Spa Rei Ele Nu	Other) General Common an 1 inforced Contement imber	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam	Total Qty 57	Qty	CS2 Qty	CS3 Qty	CS4 Qty	er
Spa Rei Ele Nu 110 Elemen	Other) General Common an 1 inforced Contement imber	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam upe Defect Descrip	Total Qty 57 tion n, idth x up to full	Qty	CS2 Qty 10	CS3 Qty 0	CS4 Qty 0 Feet Maint	
Spa Rei Ele Nu Numbo	Other) General Common an 1 inforced Conv ement imber F nt er Defect Ty	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam rpe Pefect Descripe r (PAR) at bent 1, bay 9 end diaphrage spall/delamination (full length x full wi height x 1 inch deep) with exposed ru (approximately 25 percent loss) and along the length of the beam, vertical 1/32 inch x full height) at random	Total Qty 57 tion n, idth x up to full isted rebar	Qty	CS2 Qty 10 CS	CS3 Qty 0	CS4 Qty 0 Feet Maint Qty	et
Spa Rei Nu 110 Elemei Numbo	Other) General Common an 1 inforced Con- ement imber F nt er Defect Ty Exposed Reba Cracking (RC a Other)	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam rpe Pefect Descripe r (PAR) at bent 1, bay 9 end diaphrage spall/delamination (full length x full wi height x 1 inch deep) with exposed ru (approximately 25 percent loss) and along the length of the beam, vertical 1/32 inch x full height) at random	Total Qty 57 tion n, idth x up to full isted rebar	Qty	CS2 Qty 10 CS 4	CS3 Qty 0 CS Qty	CS4 Qty 0 Feet Maint Qty 6 Fe	et
Spa Rei Ele Nu Numbo V 110	Other) General Common an 1 inforced Con- ement imber F nt er Defect Ty Exposed Reba Cracking (RC a Other)	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam rpe Pefect Descripe r (PAR) at bent 1, bay 9 end diaphrage spall/delamination (full length x full wi height x 1 inch deep) with exposed ru (approximately 25 percent loss) and along the length of the beam, vertical 1/32 inch x full height) at random	Total Qty 57 tion n, idth x up to full isted rebar	Qty	CS2 Qty 10 CS 4	CS3 Qty 0 CS Qty	CS4 Qty 0 Feet Maint Qty 6 Fe	et
Spa Rei Ele Nu Numbo V 110	Other) General Common an 1 inforced Convert ement imber F nt er Defect Ty Exposed Reba Cracking (RC a Other) General Common	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam r (PAR) at bent 1, bay 9 end diaphragn spall/delamination (full length x full wi height x 1 inch deep) with exposed ru (approximately 25 percent loss) and along the length of the beam, vertical 1/32 inch x full height) at random ents Beam 10	Total Qty 57 tion n, idth x up to full isted rebar	Qty	CS2 Qty 10 CS 4	CS3 Qty 0 CS Qty	CS4 Qty 0 Feet Maint Qty 6 Fe	et
Spa Rei Ele Nu Numbo 2 110 2 110 2 110 2 110 2 Ele Rei Ele	Other) General Common an 1 inforced Content ement imber F nt er Defect Ty Exposed Reba Cracking (RC a Other) General Common an 1 inforced Content inforced Con	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam r (PAR) at bent 1, bay 9 end diaphragn spall/delamination (full length x full wi height x 1 inch deep) with exposed ru (approximately 25 percent loss) and along the length of the beam, vertical 1/32 inch x full height) at random ents Beam 10	Total Qty 57 tion n, idth x up to full isted rebar	Qty	CS2 Qty 10 CS 4	CS3 Qty 0 CS Qty	CS4 Qty 0 Feet Maint Qty 6 Fe	et
Spa Rei Nu 110 Elemei Numbo V 110 V 110 V 110 Spa Rei Ele Nu	Other) General Common an 1 inforced Common ement imber F T Exposed Reba Cracking (RC a Other) General Common an 1 inforced Common an 1 inforced Common ement imber F T Cracking (RC a Other) General Common an 1 inforced Common General Common an 1 inforced Common General Common F	inch) with cracks (up to 1/8 inch) ents Beam 9 crete Girder Element Name Reinforced Concrete Open Girder/Beam pe Pefect Descrip r (PAR) at bent 1, bay 9 end diaphragn spall/delamination (full length x full wi height x 1 inch deep) with exposed ru (approximately 25 percent loss) and along the length of the beam, vertical 1/32 inch x full height) at random ents Beam 10 crete Girder Element Name Reinforced Concrete Open Girder/Beam	Total Qty 57 tion n, idth x up to full isted rebar cracks (up to cracks (up to	Qty 47 CS1 Qty	CS2 Qty 10 CS 4 2 CS2 Qty	CS3 Qty 0 CS Qty 10	CS4 Qty 0 Feet Maint Qty 6 Fe Fe CS4 Qty	et

Structure Number: 110025

Patched Area **v** 110

10.5 foot from end bent 1, underside, patched area (2 foot x 8 inch)

Inspection Date: 08/28/2023 2

Feet

2

General Comments

	an 1	Left Bridge	Rail				
Stee	el Rail						
	ment mber Metal F	Element Name Bridge Railing	Total Qty 57	CS1 Qty 0	CS2 Qty 57	CS3 Qty 0	CS4 Qty 0 Feet
515		rotective Coating	171	21	0	150	0 Square Feet
Elemen		Defect Desc	rintian		CS	CS Qty	Maint
Numbe 7 330	Corrosion	surface rust at random	iption		2	57	Qty Square Feet
515	Effectiveness (Steel Protective Coatings)	surface rust			3	150	150 Square Feet
	General Comments						
Spa	an 1	Right Bridg	ge Rail				
Cor	ncrete Railing						
	ment mber Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 57	CS1 Qty 55	CS2 Qty 0	CS3 Qty 2	CS4 Qty 0 Feet
Elemen			01	00	0	£	Maint
Numbe	Defect Tune	Defect Desc SPAN 1 RIGHT RAIL HAS (2) PA ⁻	•		CS 3	CS Qty 2	Qty 2 Square Feet
		TO 8 INCH X 1 FOOT, WITH HAIF			5	2	
	General Comments						
Spa							
	an 1	Far Bearing	g 1				
Μον	vable Bearing	Far Bearing	g 1				
Elei	vable Bearing ment mber	Far Bearing Element Name e Bearing	g 1 Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each
Ele: Nur	vable Bearing ment mber Movabl	Element Name	Total Qty	Qty	Qty	Qty	Qty
Eler Nur 311 515 Elemen	vable Bearing ment mber Movabl Steel P	Element Name e Bearing	Total Qty 1 1	Qty 0	Qty 0	Qty 1	Qty 0 Each 1 Square Feet Maint
Eler Nur 311 515	vable Bearing ment mber Movabl Steel P	Element Name e Bearing rotective Coating Defect Desc active corrosion with section loss [Total Qty 1 1	Qty 0	Qty 0 0	Qty 1 0	Qty 0 Each 1 Square Feet
Eler Nur 311 515 Elemen Numbe	vable Bearing ment mber Movabl Steel P Steel P Or Out Corrosion	Element Name e Bearing rotective Coating Defect Desc	Total Qty 1 1	Qty 0	Qty 0 0 CS	Qty 1 0 CS Qty	Qty 0 Each 1 Square Feet Maint Qty
Eler Nur 311 515 Elemen Numbe 311 311	vable Bearing ment mber Movabl Steel P Steel Type Corrosion	Element Name e Bearing rotective Coating Defect Desc active corrosion with section loss [loss on plates]	Total Qty 1 1	Qty 0	Qty 0 0 CS 3	Qty 1 0 CS Qty 1	Qty 0 Each 1 Square Feet Maint Qty 1 Each
Eler Nur 311 515 Elemen Numbe 311 515	vable Bearing ment mber Movabl Steel P tr Corrosion Effectiveness (Steel Protective Coatings) General Comments	Element Name e Bearing rotective Coating Defect Desc active corrosion with section loss [loss on plates] corrosion with section loss	Total Qty 1 1 1 ription jup to 1/16 inch	Qty 0	Qty 0 0 CS 3	Qty 1 0 CS Qty 1	Qty 0 Each 1 Square Feet Maint Qty 1 Each
Eler Nur 311 515 Elemen Numbe 311 515	vable Bearing ment mber Movabl Steel P Defect Type Corrosion Effectiveness (Steel Protective Coatings) General Comments	Element Name e Bearing rotective Coating Defect Desc active corrosion with section loss [loss on plates]	Total Qty 1 1 1 ription jup to 1/16 inch	Qty 0	Qty 0 0 CS 3	Qty 1 0 CS Qty 1	Qty 0 Each 1 Square Feet Maint Qty 1 Each
Elemen Numbe 311 515 Elemen Numbe 311 515 515	vable Bearing ment mber Movabl Steel P tr Corrosion Effectiveness (Steel Protective Coatings) General Comments	Element Name e Bearing rotective Coating Defect Desc active corrosion with section loss [loss on plates] corrosion with section loss	Total Qty 1 1 1 ription jup to 1/16 inch	Qty 0	Qty 0 0 CS 3	Qty 1 0 CS Qty 1	Qty 0 Each 1 Square Feet Maint Qty 1 Each
Elemen Numbe 311 515 Elemen Numbe 311 515 Spa Fixe	vable Bearing ment mber Movabl Steel P Defect Type Corrosion Effectiveness (Steel Protective Coatings) General Comments an 1 ed Bearing	Element Name e Bearing rotective Coating Defect Desc active corrosion with section loss [loss on plates] corrosion with section loss Near Bearin Element Name	Total Qty 1 1 ription Jup to 1/16 inch	Qty 0	Qty 0 0 CS 3 4	Qty 1 0 CS Qty 1 1	O Each 1 Square Feet Maint Qty 1 Each 1 Square Feet

Element Number

Defect Description

CS

Structure	Number: <u>110025</u>			Inspec	tion Date: 08/28/2023
✓ 313	Corrosion	surface rust	2		Each
√ 515	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1 Square Feet
	General Comments				

S	har	1
3	Jai	

Far Bearing 3

Movable Bearing

Elen Num 311	nber	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	5 Steel Protective Coating		1	0 0		0	1	Square Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
311	Corrosion	active corrosion with section loss loss on plates]	s [up to 1/16 inch		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

General Comments

Sp	Span 1 Far Bearing 3							
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 Numb	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section loss loss on plates]	s [up to 1/16 inch		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

General Comments

Span 1

Far Bearing 4

Movable Bearing

	ment mber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	active corrosion with section loss [loss on plates]	up to 1/16 inch		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

Span 1 Fixed Bearing

	U								
Elem Num		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
Element Number	Defect Turne		Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	surface rust				2	1	-	Each
	Effectiveness (Steel Protective Coatings)	surface rust				3	1		1 Square Feet
G	General Comments								

Span 1

Far Bearing 5

Movable Bearing

Element CS4 Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 311 Movable Bearing 0 Each 0 0 1 1 **Steel Protective Coating** 0 0 0 515 1 1 Square Feet Element Maint Defect Type **Defect Description** cs CS Qty Number Qty active corrosion with section loss [up to 1/8 inch loss 3 🗸 311 Corrosion 1 1 Each on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining] ✓ 515 Effectiveness (Steel corrosion with section loss 4 1 Square Feet 1 Protective Coatings)

General Comments

Span 1

Near Bearing 6

Fixed Bearing

	3								
	nent nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing		1	0	1	0	0	Each
515	Steel F	rotective Coating		1	0	0	1	0	Square Feet
Elemen Number	Defect Tune		Defect Description			CS	CS Qty	Maint Qty	
√ 313	Corrosion	surface rust				2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	surface rust				3	1		1 Square Feet
-	General Comments								

Span 1

Far Bearing 6

Movable Bearing

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

Structure	Number: <u>110025</u>			Inspe	ection Date: 08/28/2023
✓ 311	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1 Square Feet
	General Comments				

General	Commen

Spa	an 1			Near Bearing 7						
Fixe	ed Bo	earing								
	nent nber		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
Elemen Numbe		Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 313	Corr	rosion	surface rust				2	1		Each
✓ 515		ctiveness (Steel tective Coatings)	surface rust				3	1		1 Square Feet
		eral Comments								

Spa	an 1			Far Bearing 7						
Мо	vable E	Bearing								
	ement Imber		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
Eleme Numb		Defect Type		Defect Description			CS	CS Qty	Maint Qty	
√ 311	Corros	sion	active corrosion with loss on plates]	n section loss [up to 1/1	6 inch		3	1		1 Each
√ 515		veness (Steel tive Coatings)	corrosion with section	on loss			4	1		1 Square Feet
	Genera	I Comments								

Spa	n 1	Near Bearing 8							
Fixe	ed Bearing								
	nent nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed	Bearing		1	0	1	0	0	Each
515	Steel	Protective Coating		1	0	0	1	0	Square Feet
Elemen Numbe	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<mark>√</mark> 313	Corrosion	surface rust				2	1	-	Each
√ 515	Effectiveness (Stee Protective Coatings					3	1		1 Square Feet
	General Comments								

Structure Number: 110025

Span 1

Мо	able Bearing							
	ment 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 Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Fee
	Conoral Commonto							

General Comments

Span 1	Near Bearing 9
Fixed Bearing	
Element Number	Element Name

	nent nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing		1	0	1	0	0	Each
515	Steel P	rotective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Defect Turne		Defect Description			CS	CS Qty	Maint Qty	
√ 313	Corrosion	rust scale				2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	rust scale				4	1		1 Square Feet
-	General Comments								

Span 1

Far Bearing 9

Movable Bearing

Elem Numl		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	0	1	0	Each
515	Steel P	Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section on plates]	loss [up to 1/8 inch loss		3	1		1 Each

	General Comments				
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1 Square Feet

General	Comme

Near Bearing 10

Fixed Bearing

Span 1

Element Number		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	rotective Coating		1	0	0	0	1	Square Feet
Element Number [[]	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 313 Corros	sion	rust scale				2	1		Each

 ✓ 515
 Effectiveness (Steel Protective Coatings)
 rust scale

 General Comments

4

Far Bearing 10

Movable Bearing

Span 1

Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 311 Movable Bearing 1 0 0 1 0 Each 515 Steel Protective Coating 1 0 0 0 1 Square Feet Maint Element CS Qty **Defect Type Defect Description** cs Number Qty 🗸 311 Corrosion active corrosion with section loss [up to 1/8 inch loss 3 1 Each 1 on plates] Effectiveness (Steel corrosion with section loss 4 1 1 Square Feet ✓ 515 Protective Coatings) **General Comments**

n 1	Wearing Su	rface					
halt Wearing Sur	ace						
nent nber Wearing	Element Name	Total Qty 3,192	CS1 Qty 3,109	CS2 Qty 0	CS3 Qty 83	CS4 Qty 0 S	quare Feet
t Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
Crack (Wearing Surface)				3	58	58	Square Feet
Crack (Wearing		e, map cracks (up		3	25	25	Square Feet
	halt Wearing Surf nent hber Wearing t Defect Type Crack (Wearing Surface) Crack (Wearing	halt Wearing Surface nent her Bernent Name Wearing Surface t Crack (Wearing Surface) Crack (Wearing Crack (Wearing C	halt Wearing Surface Total Aty Wearing Surface Total Aty Wearing Surface Total Aty Surface Total Aty Surface Telement Name Defect Description Crack (Wearing FULL ROADWAY WIDTH X UP TO 1/8 INCH TRANSVERSE CRACK, OVER END BENT 1. Crack (Wearing Transport throughout asphalt wearing surface, map cracks (up	halt Wearing Surface Total Qty Wearing Surface Total Qty 3,192 3,109 T Defect Type Crack (Wearing FULL ROADWAY WIDTH X UP TO 1/8 INCH Surface) TRANSVERSE CRACK, OVER END BENT 1. Crack (Wearing throughout asphalt wearing surface, map cracks (up	Alt Wearing Surface Total CS1 Qty Qty Qty Qty ber Element Name Wearing Surface Total Qty Qty Qty CS2 Qty Qty Wearing Surface 3,192 3,109 0 t Defect Type Defect Description CS Crack (Wearing Surface) FULL ROADWAY WIDTH X UP TO 1/8 INCH 3 3 Surface) TRANSVERSE CRACK, OVER END BENT 1. 3 Crack (Wearing throughout asphalt wearing surface, map cracks (up 3) 3	halt Wearing SurfaceInent hearing SurfaceElement Name CtyTotal QtyCS1 QtyCS2 QtyCS3 Qtyt Crack (Wearing Surface)Defect DescriptionCS CS QtyCS QtyCrack (Wearing Surface)FULL ROADWAY WIDTH X UP TO 1/8 INCH TRANSVERSE CRACK, OVER END BENT 1.358	halt Wearing Surface Total CS1 CS2 CS3 CS4 Qty Qty Qty Qty Qty Qty Wearing Surface 3,192 3,109 0 83 0 S t Defect Type Defect Description CS CS Qty Maint Crack (Wearing FULL ROADWAY WIDTH X UP TO 1/8 INCH 3 58 58 Surface) TRANSVERSE CRACK, OVER END BENT 1. Crack (Wearing throughout asphalt wearing surface, map cracks (up 3 25 25

General Comments

Span 2 Reinforced Concrete Deck

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	3,648	3,646	0	2	0	Square Feet
Elemen Number	Defect Tune	Defect De	escription		CS	CS Qty	Maint Qty	
/ 12	Delamination/Spall	(PAR) underside of deck in bay spalls (up to 18 inch x 1 foot x exposed rusted rebar			3	2		2 Square Feet
12	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-20	19.		1			Square Feet

Deck

Span 2		Beam 1					
Reinfor	ced Concrete Girder						
Element Number		ment Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Conc	rete Open Girder/Beam	57	55	0	2	0 Feet
Element Number	Defect Type	Defect Descrip	tion		cs c	CS Qty	Maint Qty

Structure	Number: 110025			Inspe	ction Date: 08/28/202	<u>23</u>
√ 110	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 1.	4		6 Feet	
✓ 110	Delamination/Spall	at bent 1, east face, spall/delamination (6 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar	3	1	1 Feet	
✓ 110	Delamination/Spall	at bent 1, underside, spall (9 inch x 4 inch x 1 inch deep) with exposed rusted rebar	3	1	1 Feet	
	<u> </u>					

Span 2

Beam 2

Reinforced Concrete Girder

Elen Num	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	-	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	57	0	0	0 Feet	
Element Number	Dofoot Tuno	Defect Descripti	on		CS	CS Qty	Maint Qty	
√ 110	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITU CRACKS, AT RANDOM THROUGHO DIAPHRAGM AT BENT 2.			3		6 Feet	
√ 110	Cracking (RC and Other)	FULL LENGTH X FULL WIDTH DELA WITH CRACKS UP TO 1/8 INCH IN E DIAPHRAGM AT BENT 1.			3		6 Feet	

General Comments

Span 2

Beam 3

Reinforced Concrete Girder

Elem Num	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfol	rced Concrete Open Girder/Beam	57	56	0	1	0 1	Feet
Element Number	Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
√ 110	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH INCH DEEP SPALL/DELAMINATION V EXPOSED RUSTED REBAR WITH AP 25 PERCENT LOSS IN BAY 3 DIAPHF BENT 2.	VITH PROXIMATELY		4		6	Feet
✓ 110	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X INCH DEEP SPALL/DELAMINATION V EXPOSED RUSTED REBAR WITH AP 25 PERCENT LOSS IN BAY 3 DIAPHI BENT 1.	VITH PROXIMATELY		4		6	Feet
√ 110	Cracking (RC and Other)	at bent 2, east face, delamination (7 inc with cracks (up to 1/16 inch)	h x 8 inch)		3	1	1	Feet

General Comments

Span 2

Beam 4

Reinforced Concrete Girder

110 Element	Reinforced Concre	ete Open Girder/Beam	57	57	0 cs c	0 CS Qty	0 Feet	
Element Number		nent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	

Structure	Number: 110025		Inspection Date: 08/28/2023			
√ 110	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 4 DIAPHRAGM AT BENT 2.	3	6 Feet		
✓ 110	Cracking (RC and Other)	FULL LENGTH X FULL WIDTH DELAMINATION WITH CRACKS UP TO 1/8 INCH IN BAY 4 DIAPHRAGM AT BENT 1.	3	6 Feet		

Span 2	
opan -	

Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110 Rei	nforced Concrete Open Girder/Beam	57	56	0	1	0	Feet
Element Number Defect Typ	e Defect Descripti	on		CS	CS Qty	Maint Qty	
✓ 110 Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH INCH DEEP SPALL/DELAMINATION EXPOSED REINFORCING WITH APF 25 PERCENT LOSS, IN BENT 2 DIAP 5.	WITH PROXIMATELY		4			1 Feet
✓ 110 Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH INCH DEEP SPALL WITH EXPOSED WITH APPROXIMATELY 25 PERCEN BENT 1 DIAPHRAGM, BAY 5.	REINFORCING		4			6 Feet
✓ 110 Delamination/Spa	all at bent 2, east face bottom corner, spa inch x 8 inch x 2 inch deep)	all (8 inch x 4		3	1		1 Feet

Span 2

Beam 6

Reinforced Concrete Girder

Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	56	0	1	0 Feet	
Elemen Numbe	Dofact Type	Defect Description	on		CS	CS Qty	Maint Qty	
v 110	Delamination/Spall	at bent 1, west face, delamination/spal inch x 1/2 inch deep)	l (18 inch x 9		3	1	1 Fe	eet
√ 110	Delamination/Spall	FULL LENGTH X FULL WIDTH X 12 I DEEP SPALL/DELAMINATION IN BAY DIAPHRAGM AT BENT 2.			3		6 Fe	eet

General Comments

Span 2

Beam 7

Reinforced Concrete Girder

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Co	ncrete Open Girder/Beam	57	56	0	0	1 Feet	
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	

Structure	Number: 110025			Inspection Date: 08/28/2023		
√ 110	Exposed Rebar	(PAR) SPAN 2 BEAM 7 WEST WEB OVER BENT 2. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 7 INCH X 32 INCH X 3/4 INCH DEEP. WITH EXPOSED RUSTED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS	4	1	1 Feet	
√ 110	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 7 DIAPHRAGM AT BENT 2.	3		6 Feet	

Span	2	Beam 8						
Reinf	orced Concrete	Girder						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	56	1	0	0 Feet	
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
✓ 110	Delamination/Spall	West face at far end, delamination [10 height]) inch x full		2	1	1 Feet	

General Comments

Span 2

Beam 9

Reinforced Concrete Girder

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	55	0	2	0 Feet	
Element Number	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
✓ 110	Cracking (RC and Other)	at bent 1, delamination (9 inch x 3 inch (up to 1/8 inch)	n) with cracks		3	1	1 Feet	
√ 110	Delamination/Spall	at bent 1, west face, spall/delaminatior to full height x 1 inch deep)	n (8 inch x up		3	1	1 Feet	
v 110	Delamination/Spall	FULL LENGTH X FULL WIDTH X 12 I DEEP SPALL/DELAMINATION WITH REINFORCING, IN BENT 2 DIAPHRA	EXPOSED		3		6 Feet	

General Comments

	Beam 10						
I Concrete	Girder						
	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinford	ced Concrete Open Girder/Beam	57	55	0	2	0 Feet	
efect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
nation/Spall				3	2	2 Feet	
		I Concrete Girder Element Name Reinforced Concrete Open Girder/Beam fect Type Defect Descripti nation/Spall underside at bent 1, spall/delaminatior	I Concrete Girder Element Name Reinforced Concrete Open Girder/Beam fect Type Defect Description	I Concrete Girder Element Name Reinforced Concrete Open Girder/Beam For the text of tex of text of text	I Concrete Girder Element Name Total Qty CS1 Qty CS2 Qty Reinforced Concrete Open Girder/Beam 57 55 0 effect Type Defect Description CS underside at bent 1, spall/delamination [1.5 foot x full 3	I Concrete Girder Element Name Reinforced Concrete Open Girder/Beam Total Qty 57 CS1 Qty 55 CS2 Qty Qty Qty Qty Qty Qty Qty Qty Qty fect Type Defect Description CS CS Qty Qty Indiano/Spall underside at bent 1, spall/delamination [1.5 foot x full 3 2	I Concrete Girder Element Name Reinforced Concrete Open Girder/Beam Total Qty 57 CS1 Qty 55 CS2 Qty Qty 0 CS4 Qty Qty 0 CS4 Qty Qty 0 Maint Qty 0 feet Defect Description CS CS Qty Maint Qty 0 Maint Qty 2 Maint Qty 2 inition/Spall underside at bent 1, spall/delamination [1.5 foot x full 3 2 2 Feet

Span 2

Steel	Rai
Oleci	i \u

Eler Nun 330		Element Name idge Railing	Total Qty 57	CS1 Qty 0	CS2 Qty 57	CS3 Qty 0	CS4 Qty 0	Feet
515	Steel Pr	otective Coating	171	31	0	140	0 \$	Square Feet
Elemen Numbe	Defect Tune	Defect Descr	iption		CS	CS Qty	Maint Qty	
330	Corrosion	surface rust at random			2	57	-	Square Feet
515	Effectiveness (Steel Protective Coatings)	surface rust			3	140	140	Square Feet

Left Bridge Rail

General Comments

	Right Bridge	Rail					
te Railing							
;	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinfor	ced Concrete Bridge Railing	57	46	0	11	0 F	eet
Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
ched Area				3	11	11	Square Feet
	Reinfor Defect Type	te Railing Element Name Reinforced Concrete Bridge Railing Defect Type Defect Descri ched Area SPAN 2 RIGHT RAIL HAS (11) PAT	Element Name Total Qty Reinforced Concrete Bridge Railing 57 Defect Type Defect Description	te Railing Element Name Total Qty CS1 Qty Reinforced Concrete Bridge Railing 57 46 Defect Type Defect Description ched Area SPAN 2 RIGHT RAIL HAS (11) PATCHED AREAS UP	te Railing Element Name Total CS1 CS2 Reinforced Concrete Bridge Railing 57 46 0 Defect Type Defect Description CS ched Area SPAN 2 RIGHT RAIL HAS (11) PATCHED AREAS UP 3	Element Name Total CS1 CS2 CS3 Qty Qty	Element Name Total CS1 CS2 CS3 CS4 Qty Reinforced Concrete Bridge Railing 57 46 0 11 0 F Defect Type Defect Description CS CS Qty Maint Qty ched Area SPAN 2 RIGHT RAIL HAS (11) PATCHED AREAS UP 3 11 11

General Comments

Spa	n 2	Near Bear	ing 1					
Fixe	ed Bearing							
	nent nber	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
Elemen Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
∕ 313	Corrosion	active corrosion with section loss loss on plates]	active corrosion with section loss [up to 1/16 inch loss on plates]		3	1		1 Each
∕ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

General Comments

Span 2

Far Bearing 1

Movable Bearing

Movable Steel Pro	Bearing otective Coating	1	0 0	0 0	1 0	-	Each Square Feet
Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
prrosion	active corrosion with section loss loss on plates]	[up to 1/16 inch		3	1		1 Each
fectiveness (Steel otective Coatings)	corrosion with section loss			4	1		1 Square Feet
fe ot	ctiveness (Steel ective Coatings)	loss on plates] ctiveness (Steel corrosion with section loss ective Coatings)	loss on plates] ctiveness (Steel corrosion with section loss ective Coatings)	loss on plates] ctiveness (Steel corrosion with section loss ective Coatings)	loss on plates] ctiveness (Steel corrosion with section loss 4	loss on plates] ctiveness (Steel corrosion with section loss 4 1 ective Coatings)	loss on plates] ctiveness (Steel corrosion with section loss 4 1 ective Coatings)

Spa	in 2		Near Beari	ng 2				
Fixe	ed Bearing							
Element Number			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
Elemen Numbe	Defeed	Туре	Defect Desc	cription		CS	CS Qty	Maint Qty
313	Corrosion		active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1	1 Each
/ 515	515 Effectiveness (Steel corrosion with section loss Protective Coatings)					4	1	1 Square Feet
	General Con	iments						
Spa	ın 2		Far Bearing	g 2				
Моу	able Bear	ing						
	ment 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	otective Coating	1	0	0	0	1 Square Feet
Elemen Numbe	Dofool	Туре	Defect Desc	cription		CS	CS Qty	Maint Qty
/ 311	Corrosion		active corrosion with section loss	Lun to 1/10 in al		3	1	1 Each

 Image: State of the state o

Span 2

Near Bearing 3

Fixed Bearing

nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	earing	1	0	0	1	0	Each
Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion	active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1	-	1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	Fixed Be Steel Pr Defect Type Corrosion Effectiveness (Steel	ber Element Name Fixed Bearing Steel Protective Coating Defect Type Defect Desc Corrosion active corrosion with section loss on plates] Effectiveness (Steel corrosion with section loss	Index Element Name Qty Fixed Bearing 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Qty Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 Defect Type Defect Description CS Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] 3 Effectiveness (Steel corrosion with section loss 4	Element Name Qty Qty 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 active corrosion with section loss [up to 1/8 inch loss on plates] 3 1 Effectiveness (Steel corrosion with section loss 4 1	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 active corrosion with section loss [up to 1/8 inch loss on plates] 3 1 7 Effectiveness (Steel corrosion with section loss 4 1 7

Span 2

Far Bearing 3

Movable Bearing

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

Structure	Number: <u>110025</u>	Inspection Date: 08/28/2023			
🗸 311	Corrosion	RUST SCALE	2	1	Each
√ 515	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1 Square Feet
	General Comments				

Near Bearing 4

Fixed Bearing

	j							
	ment mber	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 Descriptio	n		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	active corrosion with section loss [up to on plates]	1/8 inch loss		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

Spa	in 2		Far Bearing 4						
Mov	vable Bearing								
	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing		1	0	1	0	0	Each
515	Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 311	Corrosion	RUST SCALE				2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	rust scale				4	1	1	Square Feet
	General Comments								

Span 2

Near Bearing 5

Fixed	Bearing
I IACA	Dearing

Element Number Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	active corrosion with section loss [on plates]; anchor bolts, corrosion [approximately 75 percent remainir	with section loss		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

Movable Bearing

Span 2

	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing		1	0	1	0	0	Each
515	Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	Defect Tune		Defect Description			CS	CS Qty	Maint Qty	
√ 311	Corrosion	RUST SCALE				2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	rust scale				4	1		1 Square Feet
	General Comments								

Span 2

Near Bearing 6

Fixed Bearing

CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 313 **Fixed Bearing** 0 Each 0 0 1 1 515 **Steel Protective Coating** 0 0 0 1 1 Square Feet Maint Element Defect Type **Defect Description** CS CS Qty Number Qty active corrosion with section loss [up to 1/8 inch loss 3 ✓ 313 Corrosion 1 1 Each on plates] 🗸 515 Effectiveness (Steel corrosion with section loss 4 1 1 Square Feet Protective Coatings) **General Comments**

Span 2

Far Bearing 6

Movable Bearing

Elem 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	Dofoot Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
311	Corrosion	active corrosion with section loss loss on plates]	[up to 1/16 inch		3	1		1 Each
∕ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

General Comments

Near Bearing 7

Fixed Bearing

Span 2

Elem Num 313	iber	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel	Protective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoot Typo	Defect Des	scription		CS	CS Qty	Maint Qty	
√ 313	Corrosion	active corrosion with section loss loss on plates]	[up to 1/16 inch		3	1		1 Each

✓ 515 Effectiveness (Steel corrosion with section loss Protective Coatings)

Inspection Date: 08/28/2023

1 1 Square Feet

4

Spa	n 2	Far Bearing	g 7					
Mov	able Bearing							
	nent		Total	CS1	CS2	CS3	CS4	
Nun 311		Element Name able Bearing	Qty 1	Qty 0	Qty 0	Qty 1	Qty 0	Each
515		el Protective Coating	1	0	0	0	1	Square Feet
Elemen	t prove		•				Maint	
Number			•		CS	CS Qty	Qty	
311	Corrosion	active corrosion with section loss on plates]	up to 1/8 inch loss		3	1		1 Each
2 515	Effectiveness (Ste Protective Coating		up to 1/8 inch loss		4	1		1 Square Feet
-	General Comment							
Sna	n 0	Noor Poori	ag 0					
Spa		Near Bearin	iy o					
Fixe	ed Bearing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	d Bearing	1	o	0	1	-	Each
515	Stee	el Protective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Defect Turne	Defect Desc	ription		CS	CS Qty	Maint Qty	
7 313	Corrosion	active corrosion with section loss on plates]	up to 1/8 inch loss		3	1	•	1 Each
515	Effectiveness (Ste Protective Coating	el corrosion with section loss			4	1		1 Square Feet
-	General Comment	S						
Spa	n 2	Far Bearing	т 8					
-	vable Bearing	r ur Bourn	, •					
	-							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		able Bearing	1	0	0	1		Each
515	Stee	el Protective Coating	1	0	0	0	1	Square Feet
Elemen		Defect Desc	ription		cs	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section loss loss on plates]	up to 1/16 inch		3	1	-	1 Each

Span 2

		-	
LIVOA.	-	Aarır	າຕ
Fixed		call	IU

nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	earing	1	0	0	1	0	Each
Steel Pr	otective Coating	1	0	0	0	1	Square Feet
t r Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion	active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1		1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	Fixed Be Steel Pr t Defect Type Corrosion Effectiveness (Steel	Image: steel protective Coating Image: steel protective Coating Image: steel protective Coating Image: steel protective Coating Image: steel protect	Element Name Qty Fixed Bearing 1 Steel Protective Coating 1 t Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 t Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Qty Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 t Defect Type Defect Description CS Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] 3 Effectiveness (Steel corrosion with section loss 4	Imber 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 active corrosion with section loss [up to 1/8 inch loss on plates] 3 1 Effectiveness (Steel corrosion with section loss 4 1	Index Element Name Qty Steel Protective Coating 1 0 0 0 1 0 0 1 0 t Defect Type Defect Description CS CS Qty Maint Qty Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] 3 1 7 Effectiveness (Steel corrosion with section loss 4 1 7

Span 2

Far Bearing 9

Movable Bearing

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 Pro	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
7 311	Corrosion	active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1		1 Each
v 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

General Comments

Span 2

Near Bearing 10

Fixed Bearing

Elerr Num		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
Element Number	Dofoot Typo	Defect Descriptio	'n		CS	CS Qty	Maint Qty	
√ 313	Corrosion	active corrosion with section loss [up to on plates]	1/8 inch loss		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

General Comments

Span 2

Far Bearing 10

Movable Bearing

Eleme Numb 311	ber	Element Name e Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
∠ 311 (Corrosion	active corrosion with section lo on plates]	ss [up to 1/8 inch loss		3	1		1 Each

✓ 515 Effectiveness (Steel Protective Coatings) General Comments corrosion with section loss

4

1 Square Feet

eneral	Comments
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	2	Wearing Surfa	ace					
Asph	alt Wearing Sur	face						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	g Surface	3,192	3,084	0	108	0 S	quare Feet
Element Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
510 (Crack (Wearing Surface)	58 FOOT X UP TO 1/4 INCH TRANS OVER BENT 1.	VERSE CRACK,		3	58	58	Square Feet
	Crack (Wearing Surface)	throughout asphalt wearing surface, r to 1/32 inch) at random	nap cracks (up		3	50	50	Square Feet
G	eneral Comments							
Span	3	Deck						
Reinf	orced Concrete	Deck						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ced Concrete Deck	3,648	3,648	0	0	0 S	quare Feet
Element Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019.			1		·	Square Feet
G	eneral Comments							
Span	3	Beam 1						
-	orced Concrete	Girder						
-	ent	Girder Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinf	ent ber							eet
Reinf Eleme Numb	ent ber	Element Name	Qty 57	Qty	Qty	Qty	Qty	eet
Reinf Eleme Numb 110 Element Number	ent oer Reinford	Element Name ced Concrete Open Girder/Beam	Qty 57 tion DEEP DSED FELY 25	Qty 55	Qty 1	Qty 0	Qty 1 F Maint Qty	eet Feet
Reinf Eleme Numb 110 Element Number 110 E	ent ber Reinford Defect Type	Element Name ced Concrete Open Girder/Beam Defect Descript (PAR) 10 INCH X 39 INCH X 1 INCH SPALL/DELAMINATION WITH EXPO REINFORCING WITH APPROXIMAT	Qty 57 tion DEEP DSED TELY 25 VEB, AT BENT 3. n, delamination	Qty 55	Qty 1 CS	Qty 0 CS Qty	Qty 1 F Maint Qty 1	

Span 3

Reinforced Concrete Girder

Elen Num 110	nber	Element Name ced Concrete Open Girder/Beam	Total Qty 57	CS1 Qty 57	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	Feet
Elemen Number	Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
110	Exposed Rebar	(PAR) at bent 2, bay 2 end diaphragm spall/delamination (full length x full wic deep) with exposed rusted rebar (appr percent loss)	th x 8 x 2 inch		4			6 Feet
110	Efflorescence/Rust Staining	(PAR) at bent 3, bay 2 end diaphragm (full width x 8 inch) with cracks (up to 7 with rust stains			3			6 Feet

Span 3 Beam 3 **Reinforced Concrete Girder** Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 110 Reinforced Concrete Open Girder/Beam 57 57 0 0 0 Feet Element Maint Defect Type **Defect Description** cs CS Qty Number Qty 🖌 110 Efflorescence/Rust (PAR) at bent 3, bay 3 end diaphragm, delamination 3 6 Feet Staining (full width x 8 inch) with cracks (up to 1/4 inch deep) with rust stains

General Comments

Span 3

Beam 4

Reinforced Concrete Girder

	nent nber Reinfor	Element Name ced Concrete Open Girder/Beam	Total Qty 57	CS1 Qty 57	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Feet	
Elemen Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
√ 110	Efflorescence/Rust Staining	(PAR) at bent 3, bay 4 end diaphragm, d (full width x 5 inch) with cracks (up to 1/4 with rust stains			3		6 Feet	

General Comments

Span 3

Beam 5

Reinforced Concrete Girder

Elen Num 110	nber	Element Name ced Concrete Open Girder/Beam	Total Qty 57	CS1 Qty 56	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Feet	
Element Number	t Defect Type	Defect Description	n		CS	CS Qty	Maint Qty	
✓ 110	Delamination/Spall	at bent 3, west face, spall/delamination (foot x 1 inch deep)	(1 foot x 1.5		3	1	1 Feet	_

Spa	an 3		Beam 6						
Rei	nforced Conci	rete Girder							
Nur	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Re	inforced Concrete Open G	irder/Beam	57	57	0	0	0 Fe	et
Elemer Numbe	Defect Turn	e	Defect Description	on		CS	CS Qty	Maint Qty	
✔ 110	Patched Area	ÈAST WEB OVER HAS A 4 FOOT X AREA WITH SCAT	3) SPAN 3 BEAM 6 WEST BOUND RIC 1 FOOT X 1 FOOT I ITERED MAP CRAC	GHT LANE. PATCHED		1		uty	Feet
	General Commer	115							
Spa			Beam 8						
Rei	nforced Conci	rete Girder							
	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110		inforced Concrete Open G		57	57	0	0	0 Fe	et
Elemer	Dofoot Tup	e	Defect Description	on		CS	CS Qty	Maint	
Numbe ✓ 110	Exposed Rebar	(PAR) at bent 2, back spall/delamination deep) with expose percent loss)	y 8 end diaphragm, (full length x full wid d rusted rebar (appr	th x 8 x 2 inch		4		Qty 6	Feet
	General Commer	115							
Spa			Beam 9						
Rei	nforced Conci	rete Girder							
	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110		inforced Concrete Open G	irder/Beam	57	57	0	0	0 Fe	eet
Elemer Numbe	Dofoot Tup	e	Defect Description	on		CS	CS Qty	Maint Qty	
√ 110	Exposed Rebar	SPALL WITH EXP	FOOT X 8 INCH X OSED REINFORCII 7 25 PERCENT LOS 7 9.	NG WITH		4			Feet
	General Commer	nts							
Spa	an 3		Left Bridge Ra	il					
-	el Rail								
	ment mber Me	Element Name etal Bridge Railing		Total Qty 57	CS1 Qty 0	CS2 Qty 57	CS3 Qty 0	CS4 Qty 0 Fe	oot .
515		eel Protective Coating		57 171	11	0	160		quare Feet
Elemer Numbe		e	Defect Description	on		CS	CS Qty	Maint	
Numbe ✓ 330	Corrosion	surface rust	···· •			2	57	Qty	Square Feet
✓ 515	Effectiveness (St Protective Coatir					3	160	160	Square Feet
	General Common	• ·							

Spa	an 3	Right Bridge F	Rail									
Concrete Railing												
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty					
331	Reinfor	ced Concrete Bridge Railing	57	48	7	2	0 Feet					
Elemer Numbe	Dofact Type	Defect Descripti	ion		CS	CS Qty	Maint Qty					
√ 331	Delamination/Spall	at 6 foot from bent 3, two [2] spalls [up inch x 3/4 inch deep], both with expose reinforcing [no loss noted]			3	2	2 Feet					
v 331	Patched Area	SPAN 3 RIGHT RAIL HAS MULTIPLE AREAS (2 FOOT X 7 INCH) WITH HA CRACKS			2	7	Square Feet					
	General Comments											

Spa	an 3		N	ear Bearing 1						
Fix	ed Bearing	g								
	ement mber		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
Eleme Numbe	Dofor	t Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 313	Corrosion		active corrosion with s on plates]	section loss [up to 1/8	inch loss		3	1		1 Each
✓ 515	Effectivene Protective		corrosion with section	loss			4	1		1 Square Feet
	General Co	mments								

Spa	in 3	Far Bearin	g 1					
Моу	able Bearing							
	ment 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 Numbe	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
7 311	Corrosion	active corrosion with section loss on plates]; anchor bolts, corrosion [approximately 75 percent remain	with section loss		3	1		1 Each
∕ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
-	General Comments							

Structure Number: 110025

Span 3

ed Bearing							
ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed B	earing	1	0	0	1	0	Each
Steel P	rotective Coating	1	0	0	0	1	Square Feet
nt Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion	on plates]; anchor bolts, corrosio	n with section loss		3	1		1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	nent nber Fixed B Steel P t r Defect Type Corrosion Effectiveness (Steel	nent nber Element Name Fixed Bearing Steel Protective Coating tr Defect Type Defect Des Corrosion active corrosion with section loss on plates]; anchor bolts, corrosio [approximately 75 percent remain Effectiveness (Steel corrosion with section loss	ment nber Element Name Total Qty Fixed Bearing 1 Steel Protective Coating 1 tr Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining] Effectiveness (Steel corrosion with section loss	ment mber Element Name Total Qty CS1 Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 tr Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining] Effectiveness (Steel corrosion with section loss	ment mber Element Name Total Qty CS1 Qty CS2 Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 tr Defect Type Defect Description CS Corrosion active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining] 3 Effectiveness (Steel corrosion with section loss 4	ment mberElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyFixed Bearing1001Steel Protective Coating1000trDefect TypeDefect DescriptionCSCS QtyCorrosionactive corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]31Effectiveness (Steelcorrosion with section loss41	ment mberElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyCS4 QtyFixed Bearing10010Steel Protective Coating10001tr rDefect TypeDefect DescriptionCS CS QtyCS QtyMaint QtyCorrosionactive corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]31Effectiveness (Steelcorrosion with section loss41

General Comments

Spa	n 3	Far Bearing	2					
Mov	able Bearing							
	nent nber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofact Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section loss [u loss on plates]; anchor bolts, corros loss [approximately 75 percent rema	ion with section		3	1	Ē	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
-	General Comments							

Spa	an 3		1	lear Bearing 3						
Fix	ed Be	aring								
	ement mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	earing		1	0	0	1	0	Each
515		Steel Pro	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe		Defect Type		Defect Description			CS	CS Qty	Maint Qty	
√ 313	3 Corrosion active corrosion wit loss on plates]			section loss [up to 1/16	inch		3	1	1	Each
√ 515		tiveness (Steel ctive Coatings)	corrosion with section	n loss			4	1	1	Square Feet
	Genera	al Comments								

Structure Number: 110025

Span 3 Movable Bearing

	ment 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 Numbe	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
311	Corrosion	active corrosion with section los loss on plates]	s [up to 1/16 inch		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Fee

General Comments

an 3	Near Bear	ring 4				
ed Bearing						
ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Fixed Be	earing	1	0	1	0	0 Each
Steel Pr	otective Coating	1	0	0	0	1 Square Feet
nt Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty
Corrosion	RUST SCALE			2	1	Each
Effectiveness (Steel Protective Coatings)	rust scale			4	1	1 Square Feet
General Comments						
	ed Bearing ment mber Fixed Be Steel Pro t Corrosion Effectiveness (Steel Protective Coatings)	ed Bearing ment mber Element Name Fixed Bearing Steel Protective Coating t Defect Type Defect Des Corrosion RUST SCALE Effectiveness (Steel rust scale Protective Coatings)	Total Mber Total Qty Fixed Bearing 1 Steel Protective Coating 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion RUST SCALE Effectiveness (Steel Protective Coatings) rust scale	Element Name Total Qty CS1 Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion RUST SCALE Effectiveness (Steel rust scale Protective Coatings) rust scale	Element mber Total Qty CS1 Qty Qty CS2 Qty Qty Fixed Bearing 1 0 1 Steel Protective Coating 1 0 0 Defect Type Defect Description CS Corrosion RUST SCALE 2 Effectiveness (Steel Protective Coatings) 4	Element Name Total Qty CS1 Qty Qty Qty Qty Qty Fixed Bearing 1 0 1 0 Steel Protective Coating 1 0 0 0 Defect Type Defect Description CS CS Qty Corrosion RUST SCALE 2 1 Effectiveness (Steel Protective Coatings) rust scale 4 1

Span 3

Far Bearing 4

Movable Bearing

Elen Num		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	otective Coating	1	0	0	0	1 Square Feet
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty
√ 311	Corrosion	active corrosion with section los loss on plates]	s [up to 1/16 inch		3	1	1 Each
√ 515	Effectiveness (Steel	corrosion with section loss			4	1	1 Square Feet

Protective Coatings) General Comments

Near Bearing 5

Fixed Bearing

Span 3

Elen Num 313	nber	Element Name ed Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Ste	el Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	e Defect Desc	ription		CS	CS Qty	Maint Qty	
√ 313	Corrosion	active corrosion with section loss loss on plates]	[up to 1/16 inch		3	1		1 Each

✓ 515 Effectiveness (Steel corrosion with section loss Protective Coatings)

Inspection Date: 08/28/2023

1 1 Square Feet

4

Spa	an 3		Far Bearin	g 5					
Мо	vable Bearir	ng							
	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	Defe ef 7	Гуре	Defect Dese	cription		CS	CS Qty	Maint Qty	
7 311	Corrosion		active corrosion with section loss loss on plates]; anchor bolts, corr loss [approximately 75 percent re	osion with section		3	1		1 Each
/ 515	Effectiveness		corrosion with section loss			4	1		1 Square Feet
_ 515	Protective Co General Com								
/ 515	Protective Co General Comr								
	General Comr								
			Near Beari	ing 6					
Spa	General Comr		Near Beari	ing 6					
Spa Fixe Ele	General Comr an 3		Near Beari	ing 6 Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Spa Fixe Ele	General Comr an 3 ed Bearing ment mber		Element Name	Total				Qty	
Spa Fix Ele Nu	General Comr an 3 ed Bearing ment mber	Fixed Be	Element Name	Total Qty	Qty	Qty	Qty	Qty 0	
Spa Fixe Ele Nui 313	General Comr an 3 ed Bearing ment mber	Fixed Be Steel Pro	Element Name	Total Qty 1 1	Qty 0	Qty 0	Qty 1	Qty 0 1 Maint Qty	Each Square Feet
Spa Fixe Ele Nui 313 515 Elemer Numbe 7 313	General Comr an 3 ed Bearing ment mber	Fixed Be Steel Pro	Element Name earing otective Coating	Total Qty 1 1	Qty 0	Qty 0 0	Qty 1 0	Qty 0 1 Maint Qty	Each
Spa Fixe Ele Nui 313 515 Elemer Numbe 313	General Comr an 3 ed Bearing ment mber	Fixed Be Steel Pro	Element Name earing otective Coating Defect Dese active corrosion with section loss	Total Qty 1 1	Qty 0	Qty 0 0 CS	Qty 1 0 CS Qty	Qty 0 1 Maint Qty	Each Square Feet 1 Each
Spa Fixe Ele Nui 313 515 Elemer	General Comr an 3 ed Bearing ment mber nt or Defect T Corrosion Effectiveness	Fixed Be Steel Pro Fype (Steel atings)	Element Name earing otective Coating Defect Dese active corrosion with section loss on plates]	Total Qty 1 1	Qty 0	Qty 0 0 CS 3	Qty 1 0 CS Qty 1	Qty 0 1 Maint Qty	Each Square Feet

	-							
Elerr Num		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	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
∕ 311	Connection	(PAR) active corrosion with section lo inch loss on plates]; east guide rail, s	• •		3	1	-	1 Each
	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
ī	General Comments							

Structure Number: 110025

Span 3

Elem Num	•	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	ptective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
313	Corrosion	active corrosion with section loss on plates]; anchor bolts, corrosio [approximately 75 percent remai	n with section loss		3	1		1 Each
	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Fee

General Comments

Spa	in 3	Far Bearir	ng 7					
Мо	able Bearing							
	ment 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	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section loss loss on plates]	[up to 1/16 inch		3	1	-	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

Span 3

Near Bearing 8

Fixed Bearing

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0	Each
515	Steel F	rotective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Defect Tune	Defect Des	scription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	active corrosion with section loss loss on plates]	s [up to 1/16 inch		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
-	General Comments							

Span 3

Far Bearing 8

Movable Bearing

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

Structure	Number: <u>110025</u>			Inspe	ection Date: 08/28/2023
✓ 311	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1 Square Feet

n 3	Near Bear	ing 9					
d Bearing							
nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
Fixed Be	aring	1	0	0	1	0	Each
Steel Pro	tective Coating	1	0	0	0	1	Square Feet
t Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion	active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1	-	1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	d Bearing hent ber Fixed Be Steel Pro t Defect Type Corrosion Effectiveness (Steel	d Bearing hent her Fixed Bearing Steel Protective Coating t Defect Type Corrosion Corrosi Corrosi Corrosion Corrosion Corrosion Corrosion Corrosi Corrosion	d Bearing Total Qty nent Element Name Qty Fixed Bearing 1 Steel Protective Coating 1 t Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] Effectiveness (Steel corrosion with section loss	Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] Effectiveness (Steel corrosion with section loss	d Bearing Total Qty CS1 Qty CS2 Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 t Defect Type Defect Description CS Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] 3 Effectiveness (Steel corrosion with section loss 4	d Bearing Total Qty CS1 Qty CS2 Qty CS2 Qty CS3 Qty Fixed Bearing 1 0 0 1 Steel Protective Coating 1 0 0 1 Steel Protective Coating 1 0 0 0 Corrosion active corrosion with section loss [up to 1/8 inch loss on plates] 3 1 Effectiveness (Steel corrosion with section loss 4 1	Defect Type Defect Description CS CS Qty Qty

General Comments

Sp	an 3	Far Bea	ring 9					
Мо	vable Bearing							
	ement umber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mov	able Bearing	1	0	0	1	0	Each
515	Stee	I Protective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofact Type	Defect I	Description		CS	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section I loss on plates]	oss [up to 1/16 inch		3	1		1 Each
√ 515	Effectiveness (Sterest Protective Coating				4	1		1 Square Feet
	General Comment							

General Comments

Span 3

Near Bearing 10

Fixed Bearing

Elen Num	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 Pro	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
✔ 313	Corrosion	active corrosion with section loss on plates]	[up to 1/8 inch loss		3	1	-	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

Structure Number: 110025

Span 3

Movable	Bearing
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nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Movable	Bearing	1	0	0	1	0	Each
Steel Pr	otective Coating	1	0	0	0	1	Square Feet
t Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
Corrosion	active corrosion with section loss loss on plates]	s [up to 1/16 inch		3	1	-	1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	Movable Steel Pr Defect Type Corrosion Effectiveness (Steel	Index Element Name Movable Bearing Movable Bearing Steel Protective Coating Defect Des Operation active corrosion with section loss loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Movable Bearing 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Movable Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Qty Qty Movable Bearing 1 0 0 Steel Protective Coating 1 0 0 Defect Type Defect Description CS Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] 3 Effectiveness (Steel corrosion with section loss 4	Element Name Qty Qty Qty Qty Qty Qty Movable Bearing 1 0 0 1 Steel Protective Coating 1 0 0 0 Defect Type Defect Description CS CS Qty Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] 3 1 Effectiveness (Steel corrosion with section loss 4 1	Element Name Qty Movable Bearing 1 0 0 0 1 0 0 0 1 0 Steel Protective Coating Defect Description CS CS Qty Maint Qty Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] 3 1 1 Effectiveness (Steel corrosion with section loss 4 1 1

Span 3

Wearing Surface

Asphalt Wearing Surface

Nu	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	-
510	vvearin	g Surface	3,192	3,084	0	108	0 S	quare Feet
Elemer Numbe	Dofoot Tuno	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 510	Crack (Wearing Surface)	throughout asphalt wearing surfa to 1/32 inch) at random	ce, map cracks (up		3	50	50	Square Feet
✓ 510	Crack (Wearing Surface)	UP TO 58 FOOT X UP TO 1/4 IN CRACKS, OVER BENT 2.	ICH TRANSVERSE		3	58	58	Square Feet
	General Comments							

Span 4

Deck

Reinforced Concrete Deck

	nent nber Reinfor	Element Name ced Concrete Deck	Total Qty 2,683	CS1 Qty 2,679	CS2 Qty 3	CS3 Qty 1	CS4 Qty 0	Square Feet
Elemen Numbe	Dofact Type	Defect Desci	ription		CS	CS Qty	Maint Qty	
√ 12	Exposed Rebar	(PAR) under bay 1 at 6 foot from e inch x 11 inch x up to 1 inch deep rusted reinforcing [loss up to 1/16 i	with exposed	0	3	1	1	Square Feet
<mark>√</mark> 12	Delamination/Spall	(PAR) along underside left overhar [up to 6 inch diameter x 1/2 inch de rusted reinforcing [no loss noted]			2	3	3	Square Feet
12	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019.			1			Square Feet

General Comments

Span 4

Beam 1

Reinforced Concrete Girder

Element Number		ement Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Con	crete Open Girder/Beam	42	32	10	0	0 Feet	
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	

Structure	Number: <u>110025</u>			Inspec	ction Date: 08/28/2023
√ 110	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 1 DIAPHRAGM AT BENT 3.	3		6 Feet
✓ 110	Cracking (RC and Other)	along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random	2	10	Feet
	General Comments				

Span 4

Beam 2

Reinforced Concrete Girder

Elem Num 110	ber	Element Name rced Concrete Open Girder/Beam	Total Qty 42	CS1 Qty 41	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Feet	
Element Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
✓ 110	Exposed Rebar	(PAR) at near end, east face, spall/de inch x 18 inch x up to 2 inch deep] wit			3	1	1 Feet	

General Comments

Spa	in 4	Beam 3						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	42	41	1	0	0 Feet	
Elemer Numbe	Dofoot Typo	Defect Description	on		CS	CS Qty	Maint Qty	
v 110	Delamination/Spall	at bent 3, east face, delamination (6 in with cracks (up to 1/32 inch)	ch x 15 inch)		2	1	1 Feet	_

General Comments

Span 4

Beam 4

Reinforced Concrete Girder

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	42	41	0	1	0	Feet
Elemen Numbe	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
v 110	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITU CRACKS, AT RANDOM THROUGHC DIAPHRAGM AT BENT 3.			3		6	Feet
√ 110	Delamination/Spall	at bent 3, west face, spall/delaminatio inch x 1/2 inch deep)	n (10 inch x 6		3	1	1	Feet

Span 4		Beam 5						
Reinford	ced Concrete Girder							
Element Number	Elen	nent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concre	ete Open Girder/Beam	42	41	1	0	0 Feet	
Element Number	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	

Structure Number: 110025

Patched Area

v 110

4 FOOT X 10 INCH X 6 INCH PATCH, IN BENT 3
DIAPHRAGM, BAY 5.

Feet

1

2

Spa	n 4		Beam 6							
Rei	nforced C	oncrete G	birder							
	ment mber	Reinforce	Element Name d Concrete Open Girder/Beam	Total Qty 42	CS1 Qty 41	CS2 Qty 0	CS3 Qty 0	CS4 Qty 1 Fe	et	
Elemer	Dofo		Defect Descript	ion		<u> </u>	CE 044	Maint		
Numbe ∕_ 110	Number Defect Type 110 Exposed Rebar		Defect Descript (PAR) SPAN 4 BEAM 6 EAST WEB (HAS A CRACK/SPALL AND DELAM WITH REBAR WITH APPROXIMATE LOSS AND RUST STAINS VISIBLE. INCH X 32 INCH X 4 INCH DEEP.	OVER BENT 3. INATED AREA LY 25 PERCENT		CS 4	CS Qty 1	Qty 1	Feet	
∕ 110	Patched Ar		at bent 3, west face, failed patch (8 in 3/4 inch inch deep)	ch x 8 inch x		3		1	Feet	
General Comments										
Span 4 Beam 7										
Rei	nforced C	oncrete G	birder							
	ment mber	Reinforce	Element Name d Concrete Open Girder/Beam	Total Qty 42	CS1 Qty 40	CS2 Qty 0	CS3 Qty 0	CS4 Qty 2 Fe	et	
Elemer Numbe	Defe	t Type	Defect Descript	ion		CS	CS Qty	Maint Qty		
∕ 110	Exposed R		(PAR) SPAN 4 BEAM 7 WEST WEB HAS A CRACK/SPALL AND DELAMI WITH REBAR EXPOSED WITH APP PERCENT LOSS. AREA IS: 20 INCH INCH DEEP.	NATED AREA ROXIMATELY 25		4	2	•	Feet	
∕_ 110	Delaminatio	•	1 FOOT X 7 INCH X 2 INCH DEEP S EXPOSED REINFORCING, IN BENT BAY 7.			3		1	Feet	
	General Co	mments								
Spa	n 4		Beam 8							
Rei	nforced C	oncrete G	irder							
	ment nber	Reinforce	Element Name d Concrete Open Girder/Beam	Total Qty 42	CS1 Qty 41	CS2 Qty 0	CS3 Qty 0	CS4 Qty 1 Fe	et	
Elemer Numbe		ct Type	Defect Descript	ion		CS	CS Qty	Maint Qty		
∑ 110	Exposed R		(PAR) at bent 3, west face, spall/dela inch x 15 inch x 1.5 inch deep) with e rebar (approximately 25 percent loss)	xposed rusted		4	1	•	Feet	
∕ 110	Cracking (F Other)		6 FOOT X UP TO 1/8 INCH LONGITI CRACKS, AT RANDOM THROUGHO DIAPHRAGM AT BENT 3.	-		3		6	Feet	

Span 4

Reinforced Concrete Girder

Elen Nun 110		Element Name Qty		Element Name Qty		Element Name Qty Qty		CS2 Qty 1		CS4 Qty 0 Feet	
Elemen Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty				
√ 110	Efflorescence/Rust Staining	(PAR) FULL LENGTH X 8 INCH X FULL FAILED PATCH/DELAMINATION WITH TO 1/4 INCH) WITH RUST STAINS, IN DIAPHRAGM, BAY 9	CRACKS (UI	P	3		6 Feet				
v 110	Delamination/Spall	East face at near end, patched area [16	inch x 8 inch]		2	1	1 Feet				
-	General Comments							-			

Span 4

Beam 10

Beam 9

Reinforced Concrete Girder

nent nber Reinfor	Element Name ced Concrete Open Girder/Beam	Total Qty 42	CS1 Qty 24	CS2 Qty 15	CS3 Qty 3	CS4 Qty 0 Fe	eet
t r Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
Cracking (RC and Other)	West face at near end, delamination [3 full height] with cracks [up to 1/8 inch]	3 foot x up to		3		3	Feet
Exposed Rebar	SPALL/DELAMINATION WITH EXPO	SED REBAR		3	3	3	Feet
Cracking (RC and Other)	along the length of the beam, vertical of 1/32 inch x full height) at random	cracks (up to		2	15		Feet
	t Cracking (RC and Other) Exposed Rebar Cracking (RC and	t Defect Type Defect Descripti Cracking (RC and Other) West face at near end, delamination [3 full height] with cracks [up to 1/8 inch] Exposed Rebar (PAR) 2.5 FOOT X 2.5 INCH X 2 INCH SPALL/DELAMINATION WITH EXPO [SECTION LOSS UP TO 1/16 INCH D AND BOTTOM FACES, AT BENT 3. Cracking (RC and along the length of the beam, vertical of the length of the beam, vertical of the length of the beam, vertical of the length of the beam, vertical of the length of	Element Name Qty Reinforced Concrete Open Girder/Beam 42 t Defect Type Defect Description Cracking (RC and Other) West face at near end, delamination [3 foot x up to full height] with cracks [up to 1/8 inch] Exposed Rebar (PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3. Cracking (RC and along the length of the beam, vertical cracks (up to	Index Element Name Qty Qty Reinforced Concrete Open Girder/Beam 42 24 Image: transmission of transmissi of transmiss	IndexElement NameQtyQtyQtyQtyReinforced Concrete Open Girder/Beam422415Image: transmission of transmission (RC and Other)Defect DescriptionCSCracking (RC and Other)West face at near end, delamination [3 foot x up to 1/8 inch]3Exposed Rebar(PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP3SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.3Cracking (RC andalong the length of the beam, vertical cracks (up to2	IndexElement NameQtyQtyQtyQtyQtyReinforced Concrete Open Girder/Beam4224153tDefect TypeDefect DescriptionCSCS QtyCracking (RC and Other)West face at near end, delamination [3 foot x up to full height] with cracks [up to 1/8 inch]33Exposed Rebar(PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.33Cracking (RC and along the length of the beam, vertical cracks (up to215	IndexElement NameQty

Spa	an 4	Left Bridge	Rail				
Ste	el Rail						
	ement Imber Metal Br	Element Name	Total Qty 42	CS1 Qty 0	CS2 Qty 42	CS3 Qty 0	CS4 Qty 0 Feet
515		otective Coating	126	26	0	100	0 Square Feet
Eleme Numbe	Defect Type	Defect Desci	ription		CS	CS Qty	Maint Qty
✓ 330	Corrosion	surface rust			2	42	Square Feet
√ 330	Connection	(2023 defect moved to northwest g Northwest guardrail attachment, tw connection bolts			1		Feet
✓ 515	Effectiveness (Steel Protective Coatings)	surface rust			3	100	100 Square Feet
	General Comments						

Structure Number: 110025 Inspection Date: 08/28/2023 **Right Bridge Rail** Span 4 **Concrete Railing** CS2 CS4 CS1 CS3 Element Total Number **Element Name** Qty Qty Qty Qty Qty 331 Reinforced Concrete Bridge Railing 42 35 7 0 0 Feet Element Maint **Defect Type Defect Description** cs CS Qty Number Qty ✓ 331 SPAN 4 RIGHT RAIL HAS (7) PATCHED AREAS (UP Patched Area 2 7 Square Feet TO 1 FOOT X 8 INCH) WITH HAIRLINE CRACKS. **General Comments** Span 4 **Near Bearing 1 Movable Bearing** Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 311 0 0 0 Each Movable Bearing 1 1 515 Steel Protective Coating 0 0 0 1 Square Feet 1 Element Maint CS Qty **Defect Description** CS **Defect Type** Qty Number Corrosion active corrosion with section loss [up to 1/8 inch loss 3 1 ✓ 311 1 Each on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining] ✓ 515 Effectiveness (Steel corrosion with section loss 4 1 1 Square Feet Protective Coatings) **General Comments**

Spa	n 4	Far Bearin	g 1					
Fixe	ed Bearing							
	nent nber	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
Elemen Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	corrosion with section loss (up to	1/8 inch loss)		3	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
-	General Comments							

eneral Comments

Span 4

Near Bearing 2

Movable Bearing

Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Ν	Iovable Bearing	1	0	0	1	0	Each
515	5	Steel Protective Coating	1	0	0	0	1	Square Feet
Elemen Number	Dofoot T	/pe Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	active corrosion with section loss on plates]; anchor bolts, corrosion			3	1	-	1 Each

✓ 515 Effectiveness (Steel corrosion with section loss Protective Coatings)

Inspection Date: <u>08/28/2023</u> 1 1 Square Feet

4

Spa	in 4		Far Bearing 2						
Fixe	ed Bearing								
Nur	ment nber	Element Name		Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty	
313 515		ed Bearing		1	0	1 0	1		
515	5.6	eel Protective Coating		I	0	0	I	0	Square Feet
Elemen Numbe		e	Defect Description			CS	CS Qty	Maint Qty	
<mark>√</mark> 313	Corrosion	SURFACE RUST				2	1	-	Each
✓ 515	Effectiveness (Si Protective Coatir					3	1		1 Square Feet
	General Commer	nts							
Spa	un 4		Near Bearing 3						
-	vable Bearing		Near Dearing 5						
	-			Total	064	000	063	004	
	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mc	ovable Bearing		1	0	0	1	-	Each
515	Ste	eel Protective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	Defect Tur	e	Defect Description			CS	CS Qty	Maint Qty	
✔ 311	Corrosion		n section loss [up to 1/8 olts, corrosion with sec ercent remaining]			3	1		1 Each
✓ 515	Effectiveness (S Protective Coatir		on loss			4	1		1 Square Feet
	General Commer	nts							
Sno	- A		Far Bearing 3						
Spa			Fai bearing 5						
	ed Bearing								
	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		ed Bearing		1	0	1	0		Each
515	Ste	eel Protective Coating		1	0	0	1	0	Square Feet
Elemen		•	Defect Description			CS	CS Qty	Maint	
Number	1	surface rust	Delect Description			2	CS QIY 1	Qty	Each
Numbe	Corrosion	3011000 1030							

Structure Number: 110025

Span 4

Movable	Bearing
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nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Movable	Bearing	1	0	0	1	0	Each
Steel Pr	otective Coating	1	0	0	0	1	Square Feet
t Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
Corrosion	active corrosion with section loss loss on plates]	s [up to 1/16 inch		3	1		1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	Movable Steel Pro Defect Type Corrosion Effectiveness (Steel	Element Name Movable Bearing Steel Protective Coating Defect Type Defect Des Corrosion active corrosion with section loss loss on plates] Effectiveness (Steel corrosion with section loss	Ber Element Name Qty Movable Bearing 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] Effectiveness (Steel corrosion with section loss	Element Name Qty Qty Movable Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] Effectiveness (Steel corrosion with section loss	Index Element Name Qty Qty Qty Qty Movable Bearing 1 0 0 Steel Protective Coating 1 0 0 Defect Type Defect Description CS Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] 3 Effectiveness (Steel corrosion with section loss 4	Index Element Name Qty Qty Qty Qty Qty Movable Bearing 1 0 0 1 Steel Protective Coating 1 0 0 0 Defect Type Defect Description CS CS Qty Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] 3 1 Effectiveness (Steel corrosion with section loss 4 1	Abber Element Name Qty Movable Bearing 1 0 0 1 0 0 1 0 Steel Protective Coating 1 0 0 0 1 0 0 1 Element Type Defect Description CS CS Qty Maint Qty Corrosion active corrosion with section loss [up to 1/16 inch loss on plates] 3 1 Effectiveness (Steel corrosion with section loss 4 1

Spa	an 4		Far Bearing 4						
Fixe	ed Bearing								
	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	Bearing		1	0	1	0	0	Each
515	Steel P	rotective Coating		1	0	0	1	0	Square Feet
Elemer Numbe	Dofact Type		Defect Description			CS	CS Qty	Maint Qty	
√ 313	Corrosion	surface rust				2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	surface rust				3	1		1 Square Feet
	General Comments								

Span 4	
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Near Bearing 5

Movable Bearing

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 Descr	iption		CS	CS Qty	Maint Qty	
√ 311	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]			3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

General Comments

Far Bearing 5

Fixed Bearing

Span 4

Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	,
313	Fixed	Bearing		1	0	1	0	0	Each
515	Steel F	Protective Coating		1	0	0	1	0	Square Feet
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 313 Corro	osion	surface rust				2	1		Each

 ✓ 515
 Effectiveness (Steel Protective Coatings)
 surface rust

 General Comments
 General Comments

3

General Comme

Spai	n 4	N	ear Bearing 6					
Mov	able Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element	Defect Turne		Defect Description		CS	CS Qty	Maint Qty	
7 311	Connection	(PAR) active corrosio inch loss on plates]; e	with section loss [up to 1/16 ast guide rail, sheared	6	3	1	•	1 Each
515	Effectiveness (Steel Protective Coatings)	corrosion with section	loss		4	1		1 Square Feet
(General Comments							
Spar	n 4	F	r Bearing 6					
Fixe	d Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Element Number			Defect Description		CS	CS Qty	Maint Qty	
/ 313	Corrosion	surface rust			2	1		Each
/ 515	Effectiveness (Steel Protective Coatings)	surface rust			3	1		1 Square Feet
(General Comments							
Spai	n 4	N	ear Bearing 7					
Mov	able Bearing							
Elen Num	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
311	Movabl	e Bearing	1	0	0	1		Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number			Defect Description		cs	CS Qty	Maint Qty	
7 311	Corrosion	active corrosion with s on plates]	ection loss [up to 1/8 inch lo	SS	3	1		1 Each
515	Effectiveness (Steel	corrosion with section	loss		4	1		1 Square Feet

Bearing							
ent ber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Fixed Be	earing		1	0	1	0	0 Each
Steel Pr	otective Coating		1	0	0	1	0 Square Feet
Defect Type		Defect Description			CS	CS Qty	Maint Qty
Corrosion	surface rust				2	1	Each
Effectiveness (Steel Protective Coatings)	surface rust				3	1	1 Square Feet
	Fixed Be Steel Pr Defect Type Corrosion	Element Name Fixed Bearing Steel Protective Coating Defect Type Corrosion surface rust	Element Name Fixed Bearing Steel Protective Coating Defect Type Defect Description Corrosion surface rust Effectiveness (Steel surface rust	Element Name Total Qty Fixed Bearing 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion surface rust Effectiveness (Steel surface rust	Element Name Total Qty CS1 Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion surface rust Effectiveness (Steel surface rust	Element Name Total Qty CS1 Qty CS2 Qty Fixed Bearing 1 0 1 Steel Protective Coating 1 0 0 Defect Type Defect Description CS Corrosion surface rust 2 Effectiveness (Steel surface rust 3	Element NameTotal QtyCS1 QtyCS2 QtyCS3 QtyFixed Bearing1010Steel Protective Coating1001Defect TypeDefect DescriptionCSCS QtyCorrosionsurface rust21Effectiveness (Steelsurface rust31

Span 4

Near Bearing 8

Movable Bearing

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 De	scription		CS	CS Qty	Maint Qty	
311	Corrosion	active corrosion with section los loss on plates]	s [up to 1/16 inch		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

General Comments

Span 4

Far Bearing 8

Fixed Bearing

	nent nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed	d Bearing		1	0	1	0	0	Each
515	Stee	Protective Coating		1	0	0	1	0	Square Feet
Elemen Numbe	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 313	Corrosion	surface rust				2	1		Each
√ 515	Effectiveness (Stee Protective Coatings					3	1		1 Square Feet

General Comments

Span 4

Near Bearing 9

Movable Bearing

Eleme Numb 311	ber	Element Name e Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
√ 311 (Corrosion	active corrosion with section los	s [up to 1/16 inch on		3	1		1 Each

515 Effectiveness (Steel corrosion with section loss Protective Coatings)

Inspection	n D	ate: 08/28/2023
1	1	Square Feet

4

Spa	an 4	Far Bearing	g 9					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	1	0	0	Each
515	Steel P	Protective Coating	1	0	0	1	0	Square Feet
Elemer Numbe		Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	surface rust			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	surface rust			3	1		1 Square Feet
	General Comments							
Spa	an 4	Near Bearii	n a 10					
-	vable Bearing							
Ele	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		le Bearing	1	0	0	1	-	Each
515	Steel P	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe		Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corrosion	active corrosion with section loss [loss on plates]	up to 1/16 inch		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							
Spa	an 4	Far Bearing	g 10					
Fixe	ed Bearing							
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	-	1	0	0	1		Each
515		Protective Coating	1	0	0	0		Square Feet
Elemer Numbe		Defect Desc	ription		CS	CS Qty	Maint Qty	
⁄ 313	Corrosion	active corrosion with section loss [plates]	up to 1/8 inch on		3	1		1 Each
	Effectiveness (Steel	corrosion with section loss			4	1		1 Square Feet

Wearing Surface

Span 4

wearing St

Asphalt Wearing Surface

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearin	g Surface	2,348	2,207	0	141	0 S	quare Feet
Element Number	Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
√ 510	Crack (Wearing Surface)	58 FOOT X UP TO 1/8 INCH TRANSVE CRACKS, OVER BENT 3.	ERSE		3	58	58	Square Feet
√ 510	Crack (Wearing Surface)	over end bent 2, transverse cracks [up t 1/4 inch]	o 58 foot x		3	58	58	Square Feet
√ 510	Crack (Wearing Surface)	throughout asphalt wearing surface, ma to 1/32 inch) at random	p cracks (up		3	25	25	Square Feet
ī	General Comments							

End Bent 1

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Abutment

Rei	nforced Concret	e Abutment						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfo	prced Concrete Abutment	68	68	0	0	0 Feet	
Elemer Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019			1		Feet	
	General Comments							-

	Bent 1 nforced Concrete	Cap 1 Pier Cap						
Elen Nun 234		Element Name	Total Qty 70	CS1 Qty 62	CS2 Qty 0	CS3 Qty 8	CS4 Qty 0 Feet	
Elemen	t Defect Type	Defect Desc			CS	CS Qty	Maint Qty	
<mark>√</mark> 234	Efflorescence/Rust Staining	(PAR) END BENT 1 CAP HAS A I FOOT X 6 INCH X 6 INCH WITH 0 INCH CRACKS WITH EFFLORES STAINS VISIBLE, UNDER BAY 9.	CRACKS UP TO 1/4 SCENCE AND RUST		3	8	8 Feet	

General Comments

Bent 1

Cap 1

Reinforced Concrete Pier Cap

Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	61	15	1	45	0 F	eet
Elemer Numbe	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	along the length of the cap, near cracks (up to 1/16 inch x 8 foot)	· · ·		3	15	15	Feet
√ 234	Efflorescence/Rust Staining	(PAR) underside of cap between delaminations (up to 10 foot x fui into vertical faces (up to 1 foot) 1/8 inch) with rust stains	ll width) extending		3	30	30	Feet

Structure	Number: <u>110025</u>			Inspe	ection Date: 08/28/2023
√ 234	Delamination/Spall	West face, spall [4 inch diameter x 1/2 inch] with exposed rusted reinforcing [no loss noted]	2	1	1 Feet
✓ 234	Efflorescence/Rust Staining	(combined with other notes 2023) South face below beam 5, two [2] horizontal cracks [up to 1/8 inch] and rust stain	1		Feet
	General Comments				

Bent 1

Bent 1

Pile 1

Reinforced Concrete Column

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinfor	ced Concrete Column	1	0	1	0	0 Each
Element Number	Defect Tune	Defect Des	scription		CS	CS Qty	Maint Qty
✓ 205	Cracking (RC and Other)	7 FOOT X UP TO 1/32 INCH VE EAST FACE, BEGINNING AT B	'		2	1	Each

General Comments

Pile 3

Reinforced Concrete Column

Elen Num 205	nber	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 Des	cription		CS	CS Qty	Maint Qty	
√ 205	Delamination/Spall	east and west faces, spall/delam height x 1/2 inch deep) with crac	`		3	1	1	Each
✓ 205	Cracking (RC and Other)	MULTIPLE UP TO 10 FOOT X 1 CRACKS, AT RANDOM THROU			2			Each

General Comments

Ben Reir	t 1 nforced Concrete	Pile 4 Column						
	nent nber Reinford	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each	
Elemen Numbe	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
V 205	Efflorescence/Rust Staining	(PAR) (2)- UP TO 5 FOOT X 1/32 CRACKS WITH RUST STAIN, EA BEGINNING AT BOTTOM OF CA	AST FACE,		3	1	1 Each	

General Comments

Bent 2

Cap 1

Reinforced Concrete Pier Cap

Element Number 234	Element Name Reinforced Concrete Pier Cap		Total Qty 61	CS1 Qty 1	CS2 Qty 0	CS3 Qty 49	CS4 Qty 11 Feet	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>110025</u>			Inspec	tion D	ate: 08/28/2023
√ 234	Exposed Rebar	(PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.	4	10	10	Feet
√ 234	Exposed Rebar	(PAR) 6 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, SOUTH FACE, UNDER BEAM 2.	4	1	1	Feet
<mark>√</mark> 234	Cracking (RC and Other)	along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random	3	31	31	Feet
√ 234	Efflorescence/Rust Staining	(PAR) 8 FOOT X 3 FOOT DELAMINATION WITH MAP CRACKING UP TO 1/16 INCH WITH RUST STAINS, BOTTOM FACE, BETWEEN PILES 1 AND 2.	3	8	8	Feet
√ 234	Exposed Rebar	(PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE	3	10	10	Feet
√ 234	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 2 CAP SOUTH FACE AND TOP IN BAY 5. HAS A CRACK/SPALL AND DELAMINATED AREA WITH RUST STAINS VISIBLE. AREA IS: FROM EDGE BACK 3 INCH, FROM EDGE DOWN 14 INCH X 54 INCH. SPALL AREA IS: 3 INCH X 15 INCH X 3/4 INCH DEEP.	1			Feet
√ 234	Efflorescence/Rust Staining	(COMBINED WITH OTHER NOTES 2023) BENT 2 CAP TOP AND SOUTH FACE IN BAY 6. HAS A CRACKED UP TO 1/32 INCH AND DELAMINATED AREA WITH RUST STAINS VISIBLE.	1			Feet

Ben	t 2	Pile 3						
Rein	forced Concrete	Column						
Elen Num	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0	Each
Element Number	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
∕ 205	Delamination/Spall	west face at base, delamination/s x 1/2 inch deep) with cracks (up to			3	1	1	Each
205	Cracking (RC and Other)	DUPLICATE DEFECT 8-21-2019			1			Each
Ī	General Comments							

Bent 2		Pile 4						
Reinfor	ced Concrete Column							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinforced Concrete Column		1	0	0	1	0 Each	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>110025</u>			Inspection Date: 08/28/2023		
<mark>√</mark> 205	Delamination/Spall	west face, spall/delamination (2 foot x full height x 1/2 inch deep) with cracks (up to 1/32 inch) some with efflorescence	3	1 1 Each		
<mark>√</mark> 205	Cracking (RC and Other)	along column, vertical cracks (up to 1/32 inch x 5 foot)	2	Each		
205	Delamination/Spall	DUPLICATE DEFECT 8-21-2019.	1	Each		

End Bent 2

Abutment

Reinforced Concrete Abutment

		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	68	63	0	5	0	Feet
Elemen Number	Defect Tune	Defect Desci	ription		CS	CS Qty	Maint Qty	
<mark>√</mark> 215	Cracking (RC and Other)	at bay 1 utility penetration, delamin inch) with cracks (up to 1/4 inch)	nation (4 foot x 4		3	4	4	4 Feet
√ 215	Settlement	(PAR) SOIL INFILTRATION THRC ACCESS HOLE, BAY 9.	OUGH UTILITY		3	1		1 Feet

General Comments

End Bent 2

Cap 1

Reinforced Concrete Pier Cap

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	70	55	0	15	0 Feet	
Element Number	Dofoot Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
<mark>√</mark> 234	Cracking (RC and Other)	below bay 9, delamination (8 foor with cracks (up to 3/16 inch)	x 5 inch x 5 inch)		3	8	8 Fee	t
<mark>√</mark> 234	Delamination/Spall	below bay 1, spall/delamination (inch x 2 inch deep)	7 foot x 15 inch x 4		3	7	7 Fee	t

General Comments

Bent 3

Cap 1

Reinforced Concrete Pier Cap

	nent nber Reinfor	Element Name rced Concrete Pier Cap	Total Qty 61	CS1 Qty 0	CS2 Qty 22	CS3 Qty 34	CS4 Qty 5 Fe	eet
Elemen Numbe	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
✓ 234	Exposed Rebar	(PAR) south face in bay 6, faile height x 3 inch deep) with expo (approximately 25 percent loss)	sed rusted rebar		4	5	5	Feet
<mark>√</mark> 234	Cracking (RC and Other)	5 5 17	along the length of the cap, near top, longitudinal cracks (up to 1/8 inch x 8 foot) at random		3		20	Feet
<mark>√</mark> 234	Delamination/Spall	(PAR) underside of cap betwee delaminations/spalls [up to 8 for deep], extend up vertical face (to 1/4 inch)	ot x full width x 2 inch		3	24	24	Feet

Structure	Number: 110025			Inspec	tion Date: 08/28/2023
√ 234	Efflorescence/Rust Staining	(PAR) BENT 3 CAP NORTH FACE BAY 6. FAILED PATCH [7 FOOT X UP TO 40 INCH] WITH MULTIPLE ADJACENT DELAMINATION [UP TO 28 INCH X 18 INCH], RUST STAIN AND EFFLORESCENCE	3		7 Feet
√ 234	Efflorescence/Rust Staining	(PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X 8 INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS	3	6	6 Feet
√ 234	Patched Area	BENT 3 CAP NORTH FACE BAY 9. HAS A PATCHED AREA 3 FOOT X 2 FOOT WITH SCATTERED HAIRLINE CRACKS WITH EFFLORESCENCE VISIBLE	3	4	4 Feet
√ 234	Cracking (RC and Other)	along the length of the cap, vertical cracks (up to 1/32 inch x full height) and map cracks (hairline) at random	2	18	Feet
<mark>√</mark> 234	Delamination/Spall	south face in bay 4, delamination (4 foot x 1.5 foot) with cracks (up to 1/32 inch)	2	4	4 Feet
√ 234	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 3 CAP SOUTH FACE AND BOTTOM BAY 5. HAS A AREA THAT IS CRACKED AND DELAMINATED. AREA IS: FROM BOTTOM EDGE UP 5 INCH FROM EDGE BACK 36 INCH X 8 FOOT	1		Feet

Bent 3

Pile 1

Reinforced Concrete Column

	nent nber Reinfore	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
Elemen Number	Defect Type	Defect I	Description		CS	CS Qty	Maint Qty	
✓ 205	Efflorescence/Rust Staining	(PAR) MULTIPLE UP TO 3 F VERTICAL CRACKS WITH R RANDOM THROUGHOUT.			3	1		1 Each

General Comments

Bent	t 3	Pile 3						
Rein	forced Concrete	Column						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
√ 205	Delamination/Spall	southwest corner, spall/delamin x 5 inch x 1 inch deep) with cra			3	1	1 Each	
7	Constal Commonto							

Structure Number: 110025

Be	ent 3	Pile 4						
Re	inforced Concrete	Column						
	ement umber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	5 Reinford	ced Concrete Column	1	0	0	1	0 Each	
Eleme Numb	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
√ 205	Efflorescence/Rust Staining	(PAR) MULTIPLE UP TO FULL F VERTICAL CRACKS WITH RUS RANDOM THROUGHOUT.			3	1	1 Each	

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3648
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	57
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3192
Span 1	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 5	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 6	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 7	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 8	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 9	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 10	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3648
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57

Location	Name	Component	Element Name	Amount
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	57
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 2	Expansion Joint 1	Standard Joint	Pourable Joint Seal	61
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3192
Span 2	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 2	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 5	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 6	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 7	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 8	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 9	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 10	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3648
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	57
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 3	Expansion Joint 2	Standard Joint	Pourable Joint Seal	61
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3192
Span 3	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 2	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 3	Movable Bearing	Movable Bearing	1

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 5	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 6	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 7	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 8	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 9	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 10	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2683
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Left Bridge Rail	Steel Rail	Metal Bridge Railing	42
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	42
Span 4	Expansion Joint 3	Standard Joint	Pourable Joint Seal	61
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2348
Span 4	Near Bearing 1	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 2	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing 3	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 4	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing 5	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 6	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing 7	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 8	Fixed Bearing	Fixed Bearing	1
	Near Bearing 8	Movable Bearing	Movable Bearing	1

Location	Name	Component	Element Name	Amount
Span 4	Near Bearing 9	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 10	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	70
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	68
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	70
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	68
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 2 Expansion Joint 1

EXPANSION JOINT OVER BENT 1 PAVED OVER

Span 3 Expansion Joint 2

EXPANSION JOINT OVER BENT 2 PAVED OVER

Span 4 Expansion Joint 3

EXPANSION JOINT OVER BENT 3 PAVED OVER

National Bridge and NC Inspection Items

Structure Number: 110025

Inspection Date: 08/28/2023

National Bridge Inventory Items

Item	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	6	Note:
Item 59: Superstructure	0 - 9 , N	5	Items 5
Item 60: Substructure	0 - 9 , N	5	inspect
Item 61: Channel and Channel Protection	0 - 9 , N	N	For ove see cov
Item 62: Culvert	0 - 9 , N	N	
Item 71: Waterway Adequacy	0 - 9 , N	N	
Item 72: Approach Roadway Alignment	0 - 9 , N	8	

tems 58,59,60,62 reflect this nspection 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	Р		
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code				

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	12
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

ture Numb	Der: 110025			Inspection Date: 08/28/2		
Item	Utilities	Grade P	Maint Code	Qty. 0		
Details	bay 9, cast iron pipe utility (6 inch diameter) and gas lin	e (4 inch diamete	r)			
	bay 8, (9) pvc pipes (4 inch diameter)					
	bay 1, gas line (6 inch diameter)					
	(PAR) at bent 2, bay 9 utility, metal platform, corroded a	ind sheared				
	(PAR) span 4, bay 9 utility, near half, broken/cracked					
	(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)					
Item	General Comments and Misc Items	Grade	Maint Code	Qty. 0		
Details	s (PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total					
	(PAR) northwest guardrail attachment, (2) missing/deta	ched bolts				

(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)

County: BURKE

Date: 08/28/2023

Condition Photos

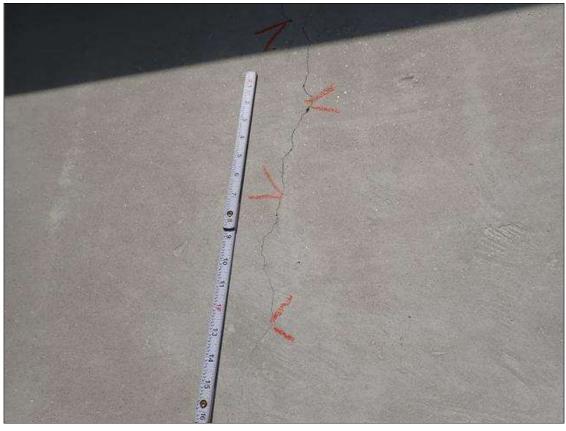


End Bent 1 Cap 1: (PAR) END BENT 1 CAP HAS A DELAMINATION 8 FOOT X 6 INCH X 6 INCH WITH CRACKS UP TO 1/4 INCH CRACKS WITH EFFLORESCENCE AND RUST STAINS VISIBLE, UNDER BAY 9.



Span 1 Beam 10: 10.5 foot from end bent 1, underside, patched area (2 foot x 8 inch)

Date: 08/28/2023



Span 1 Beam 10: along length, multiple vertical cracks [up to full height x 1/32 inch]

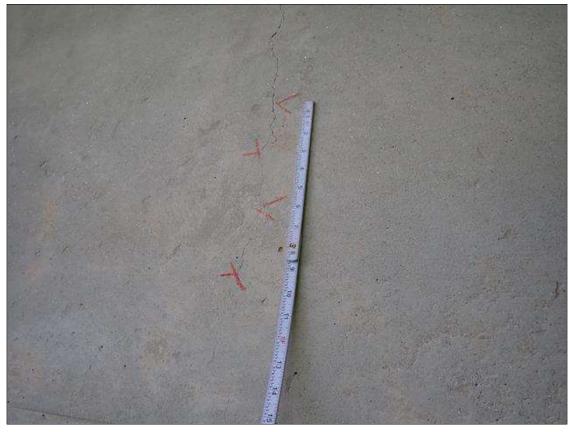


Span 1 Beam 9: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random

County: BURKE

Date: 08/28/2023

Condition Photos



Span 1 Beam 1: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random



(PAR) at bent 2, bay 9 utility, metal platform, corroded and sheared

County: BURKE

Date: 08/28/2023

Condition Photos



Span 4 Beam 10: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random



(PAR) span 4, bay 9 utility, near half, broken/cracked

Structure: 110025

County: BURKE

Date: 08/28/2023

Condition Photos



End Bent 2 Cap 1: below bay 9, delamination (8 foot x 5 inch x 5 inch) with cracks (up to 3/16 inch)



(PAR) span 4, bay 9 utility, near half, broken/cracked

Date: 08/28/2023

Condition Photos



End Bent 2 Abutment: (PAR) SOIL INFILTRATION THROUGH UTILITY ACCESS HOLE, BAY 9.



Span 4 Beam 10 - Far Bearing 10: active corrosion with section loss [up to 1/8 inch on plates]

Structure: 110025

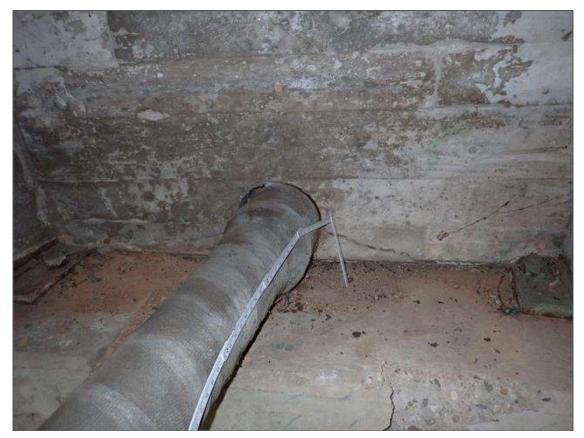
County: BURKE

Date: 08/28/2023

Condition Photos



End Bent 2 Cap 1: below bay 1, spall/delamination (7 foot x 15 inch x 4 inch x 2 inch deep)



End Bent 2 Abutment: at bay 1 utility penetration, delamination (4 foot x 4 inch) with cracks (up to 1/4 inch)

Date: 08/28/2023

Condition Photos



Span 4 Beam 1 - Far Bearing 1: corrosion with section loss (up to 1/8 inch loss)



Span 4 Deck: (PAR) under bay 1 at 6 foot from end bent 2, spall [10 inch x 11 inch x up to 1 inch deep] with exposed rusted reinforcing [loss up to 1/16 inch]

Date: 08/28/2023

Condition Photos



Span 4 Deck: (PAR) along underside left overhang, three [3] spalls [up to 6 inch diameter x 1/2 inch deep] with exposed rusted reinforcing [no loss noted]



Span 4 Beam 1: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random

Structure: 110025

County: BURKE

Date: 08/28/2023

Condition Photos



(PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total



(PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total

Date: 08/28/2023

Condition Photos



(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)



(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)



Date: 08/28/2023

Condition Photos

County: BURKE

Structure: 110025

(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)



Span 1 Wearing Surface: FULL ROADWAY WIDTH X UP TO 1/8 INCH TRANSVERSE CRACK, OVER END BENT 1.

Structure: 110025

County: BURKE

Date: 08/28/2023



Span 1 Left Bridge Rail: surface rust at random



Span 2 Wearing Surface: 58 FOOT X UP TO 1/4 INCH TRANSVERSE CRACK, OVER BENT 1.

Structure: 110025

County: BURKE

Date: 08/28/2023



Span 2 Wearing Surface: throughout asphalt wearing surface, map cracks (up to 1/32 inch) at random



(PAR) northwest guardrail attachment, (2) missing/detached bolts

Date: 08/28/2023

Condition Photos



Span 4 Right Bridge Rail: SPAN 4 RIGHT RAIL HAS (7) PATCHED AREAS (UP TO 1 FOOT X 8 INCH) WITH HAIRLINE CRACKS.



Span 3 Right Bridge Rail: at 6 foot from bent 3, two [2] spalls [up to 18 inch x 2 inch x 3/4 inch deep], both with exposed rusted reinforcing [no loss noted]



Span 3 Right Bridge Rail: SPAN 3 RIGHT RAIL HAS MULTIPLE PATCHED AREAS (2 FOOT X 7 INCH) WITH HAIRLINE CRACKS



Span 2 Right Bridge Rail: SPAN 2 RIGHT RAIL HAS (11) PATCHED AREAS UP TO 8 INCH X 1 FOOT WITH HAIRLINE CRACKS.

Date: 08/28/2023

Condition Photos



Span 3 Beam 1: (PAR) 10 INCH X 39 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, EAST FACE OF WEB, AT BENT 3.



Span 3 Beam 1 - Far Bearing 1: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Date: 08/28/2023

Condition Photos



Span 4 Beam 1 - Near Bearing 1: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]



Span 3 Beam 1: (PAR) at bent 3, bay 1 end diaphragm, delamination (full width x full height) with cracks (up to 1/2 inch deep) with rust stains

Structure: 11002 County: BURKE Date: 08/28/2023 Condition Photos

Bent 3 Cap 1: along the length of the cap, vertical cracks (up to 1/32 inch x full height) and map cracks (hairline) at random



Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)

Date: 08/28/2023



Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)



Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)

Date: 08/28/2023



Span 4 Beam 2: (PAR) at near end, east face, spall/delamination [18 inch x 18 inch x up to 2 inch deep] with exposed rusted reinforcing [section loss up to 1/16 inch]



Span 3 Beam 3 - Far Bearing 3: active corrosion with section loss [up to 1/16 inch loss on plates]

Date: 08/28/2023

Condition Photos



Span 3 Beam 2: (PAR) at bent 3, bay 2 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/2 inch deep) with rust stains



Span 3 Beam 3: (PAR) at bent 3, bay 3 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/4 inch deep) with rust stains

Date: 08/28/2023

Condition Photos



Span 4 Beam 3: at bent 3, east face, delamination (6 inch x 15 inch) with cracks (up to 1/32 inch)



Span 4 Beam 3 - Near Bearing 3: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Date: 08/28/2023



Span 4 Beam 4: at bent 3, west face, spall/delamination (10 inch x 6 inch x 1/2 inch deep)



Bent 3 Cap 1: south face in bay 4, delamination (4 foot x 1.5 foot) with cracks (up to 1/32 inch)

Date: 08/28/2023



Span 3 Beam 5: at bent 3, west face, spall/delamination (1 foot x 1.5 foot x 1 inch deep)



Span 3 Beam 5 - Far Bearing 5: active corrosion with section loss [up to 1/16 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Date: 08/28/2023



Span 3 Beam 4: (PAR) at bent 3, bay 4 end diaphragm, delamination (full width x 5 inch) with cracks (up to 1/4 inch deep) with rust stains



Span 4 Beam 6: at bent 3, west face, failed patch (8 inch x 8 inch x 3/4 inch inch deep)

Date: 08/28/2023

Condition Photos



Bent 3 Cap 1: (PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Bent 3 Cap 1: (PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Date: 08/28/2023

Condition Photos



Span 4 Beam 6: (PAR) SPAN 4 BEAM 6 EAST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR WITH APPROXIMATELY 25 PERCENT LOSS AND RUST STAINS VISIBLE. AREA IS: 5 INCH X 32 INCH X 4 INCH DEEP.

Date: 08/28/2023

Condition Photos



Span 3 Beam 6 - Far Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared



Span 4 Beam 6 - Near Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared

Date: 08/28/2023

Condition Photos



Span 4 Beam 7: (PAR) SPAN 4 BEAM 7 WEST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED WITH APPROXIMATELY 25 PERCENT LOSS. AREA IS: 20 INCH X 15 INCH X 2 INCH DEEP.

Date: 08/28/2023

Condition Photos



Span 4 Beam 8: (PAR) at bent 3, west face, spall/delamination (17 inch x 15 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Bent 3 Cap 1: (PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS

Date: 08/28/2023



Bent 3 Cap 1: (PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS



Span 4 Beam 9: East face at near end, patched area [16 inch x 8 inch]

Date: 08/28/2023

Condition Photos



(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)



(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)

Date: 08/28/2023

Condition Photos



(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)



Span 4 Beam 10: West face at near end, delamination [3 foot x up to full height] with cracks [up to 1/8 inch]

Date: 08/28/2023

Condition Photos



Span 4 Beam 10: (PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.



Span 4 Beam 9: (PAR) FULL LENGTH X 8 INCH X FULL WIDTH FAILED PATCH/DELAMINATION WITH CRACKS (UP TO 1/4 INCH) WITH RUST STAINS, IN BENT 3 DIAPHRAGM, BAY 9

Date: 08/28/2023

Condition Photos



Bent 3 Cap 1: BENT 3 CAP NORTH FACE BAY 9. HAS A PATCHED AREA 3 FOOT X 2 FOOT WITH SCATTERED HAIRLINE CRACKS WITH EFFLORESCENCE VISIBLE



Bent 3 Cap 1: (PAR) BENT 3 CAP NORTH FACE BAY 6. FAILED PATCH [7 FOOT X UP TO 40 INCH] WITH MULTIPLE ADJACENT DELAMINATION [UP TO 28 INCH X 18 INCH], RUST STAIN AND EFFLORESCENCE

Bent 3 Cap 1: along the length of the cap, near top, longitudinal cracks (up to 1/8 inch x 8 foot) at random



Bent 3 Pile 4: (PAR) MULTIPLE UP TO FULL HEIGHT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.

County: BURKE

Date: 08/28/2023

Date: 08/28/2023

Condition Photos



Bent 3 Pile 3: southwest corner, spall/delamination (6 foot x 11 inch x 5 inch x 1 inch deep) with cracks (up to 1/8 inch)



Bent 3 Pile 1: (PAR) MULTIPLE UP TO 3 FOOT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.

Date: 08/28/2023

Condition Photos



Span 3 Beam 6: (NOT FOUND 2023) SPAN 3 BEAM 6 BOTTOM AND EAST WEB OVER WEST BOUND RIGHT LANE. HAS A 4 FOOT X 1 FOOT X 1 FOOT PATCHED AREA WITH SCATTERED MAP CRACKING.



Bent 1 Pile 1: 7 FOOT X UP TO 1/32 INCH VERTICAL CRACK, EAST FACE, BEGINNING AT BOTTOM OF CAP

Date: 08/28/2023



Bent 1 Pile 3: east and west faces, spall/delamination (21 inch x full height x 1/2 inch deep) with cracks (up to 1/32 inch)



Bent 1 Pile 4: (PAR) (2)- UP TO 5 FOOT X 1/32 INCH VERTICAL CRACKS WITH RUST STAIN, EAST FACE, BEGINNING AT BOTTOM OF CAP.

Structure: 110025

County: BURKE

Date: 08/28/2023



Bent 2 Pile 4: west face, spall/delamination (2 foot x full height x 1/2 inch deep) with cracks (up to 1/32 inch) some with efflorescence



Bent 2 Pile 3: west face at base, delamination/spall (2 foot x 7 foot x 1/2 inch deep) with cracks (up to 1/32 inch)

Date: 08/28/2023

Condition Photos



Bent 2 Pile 3: west face at base, delamination/spall (2 foot x 7 foot x 1/2 inch deep) with cracks (up to 1/32 inch)



Span 3 Beam 1: at bent 2, east face at bottom, longitudinal crack (1/32 inch x 1 foot)

Date: 08/28/2023

Condition Photos



Span 3 Beam 2 - Near Bearing 2: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]



Span 3 Beam 2: (PAR) at bent 2, bay 2 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Structure: 110025

County: BURKE

Date: 08/28/2023

Condition Photos



Bent 2 Cap 1: along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random



Bent 2 Cap 1: (PAR) 8 FOOT X 3 FOOT DELAMINATION WITH MAP CRACKING UP TO 1/16 INCH WITH RUST STAINS, BOTTOM FACE, BETWEEN PILES 1 AND 2.

Date: 08/28/2023



Bent 2 Cap 1: (PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.

Date: 08/28/2023

Condition Photos



Bent 2 Cap 1: (PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.

Date: 08/28/2023

Condition Photos



Bent 2 Cap 1: (PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE

Date: 08/28/2023



Bent 2 Cap 1: (PAR) 6 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, SOUTH FACE, UNDER BEAM 2.



Span 2 Beam 3: at bent 2, east face, delamination (7 inch x 8 inch) with cracks (up to 1/16 inch)

Structure: 110025

County: BURKE

Date: 08/28/2023

Condition Photos



Span 2 Beam 5: at bent 2, east face bottom corner, spall (8 inch x 4 inch x 8 inch x 2 inch deep)

Structure: 110025

County: BURKE

Date: 08/28/2023

Condition Photos



Span 2 Beam 7: (PAR) SPAN 2 BEAM 7 WEST WEB OVER BENT 2. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 7 INCH X 32 INCH X 3/4 INCH DEEP. WITH EXPOSED RUSTED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS

Date: 08/28/2023

Condition Photos



Span 2 Beam 8: West face at far end, delamination [10 inch x full height]

Date: 08/28/2023

Condition Photos



Bent 2 Cap 1: (PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE

Date: 08/28/2023



Span 3 Beam 8: (PAR) at bent 2, bay 8 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 3 Beam 9: (PAR) 6 FOOT X 1 FOOT X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 9.

Structure: 110025

County: BURKE

Date: 08/28/2023

Condition Photos



(PAR) at bent 2, bay 9 utility, metal platform, corroded and sheared



Span 2 Beam 9: FULL LENGTH X FULL WIDTH X 12 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING, IN BENT 2 DIAPHRAGM, BAY 9.

Date: 08/28/2023

Condition Photos



Span 2 Beam 6: FULL LENGTH X FULL WIDTH X 12 INCH X 2 INCH DEEP SPALL/DELAMINATION IN BAY 6 DIAPHRAGM AT BENT 2.



Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 10 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 5.

Date: 08/28/2023

Condition Photos



Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 2.



Span 2 Beam 1: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 1.

Date: 08/28/2023

Condition Photos



Span 2 Beam 10: underside at bent 1, spall/delamination [1.5 foot x full width x 1 inch deep] with exposed rusted rebar



Span 2 Beam 9: at bent 1, delamination (9 inch x 3 inch) with cracks (up to 1/8 inch)

Date: 08/28/2023

Condition Photos



Span 2 Beam 9: at bent 1, west face, spall/delamination (8 inch x up to full height x 1 inch deep)



Span 1 Beam 7: at bent 1, both faces, delamination (up to 5 inch x 8 inch) with cracks (up to 1/8 inch)

Date: 08/28/2023

Condition Photos



Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 1 DIAPHRAGM, BAY 5.



Span 2 Beam 6: at bent 1, west face, delamination/spall (18 inch x 9 inch x 1/2 inch deep)

Date: 08/28/2023

Condition Photos



Span 1 Beam 6: (PAR) at bent 1, west face, spall/delamination (5 inch x 30 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 2 Beam 5 - Near Bearing 5: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Date: 08/28/2023

Condition Photos



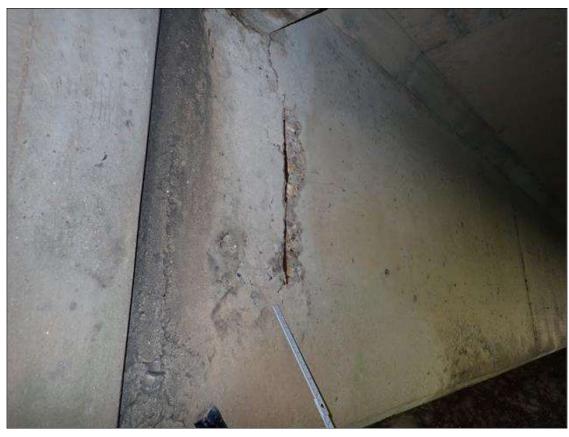
Bent 1 Cap 1: along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random



Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 1.

Date: 08/28/2023

Condition Photos



Span 1 Beam 3: (PAR) at bent 1, west face, spall/delamination (8 inch x 24 inch x 1/2 inch deep) with exposed rusted rebar with (approximately 25 percent loss)



Span 2 Beam 1: at bent 1, underside, spall (9 inch x 4 inch x 1 inch deep) with exposed rusted rebar

Date: 08/28/2023

Condition Photos



Span 2 Beam 1: at bent 1, east face, spall/delamination (6 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar



Span 2 Deck: (PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar



Span 2 Deck: (PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar



Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains

Date: 08/28/2023

Condition Photos



Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains



Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains

Date: 08/28/2023

Condition Photos



Bent 1 Cap 1: West face, spall [4 inch diameter x 1/2 inch] with exposed rusted reinforcing [no loss noted]



Span 1 Beam 5: (PAR) at bent 1, bay 5 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Date: 08/28/2023

Condition Photos

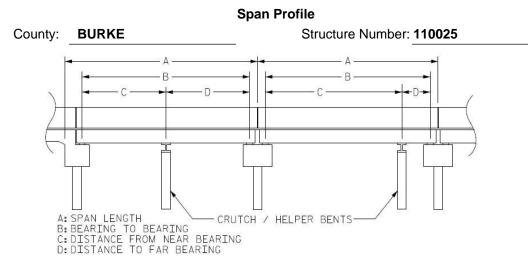


Span 1 Beam 7: (PAR) at bent 1, bay 7 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 1 Beam 9: (PAR) at bent 1, bay 9 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	57.000	55.167			
2	57.000	55.667			
3	57.000	55.667			
4	41.920	40.000			



roadway under span 2, looking east

Route Number: 11000	400	Route Na	me: I	40 E	Reference Feature:	Н											
Minimum Vertical Clearance 16.940 feet				um Minimum Vertical													
Total Horizontal Cleara	0 feet	Latera	I Clearances: Left: 13	3.240 feet	Right 16.400	feet											
✓ Base Highway Netwo	ork	LRS Inve	entory R	Route, Sub Route Num	ber 10040												
Milepost: 103.050	Number	of Lanes: 2	2	ADT: 23000	Year of AD	T: 2015	Percentage of Trucks:	16									
✓ National Highway Sy	nator																
Functional Classificatio	n 11	Local Princ	ipal Arte	erial - Interstate Direc	tion of Traffi	c: 1 1-	Functional Classification 11 Local Principal Arterial - Interstate Direction of Traffic: 1 1 - way traffic										

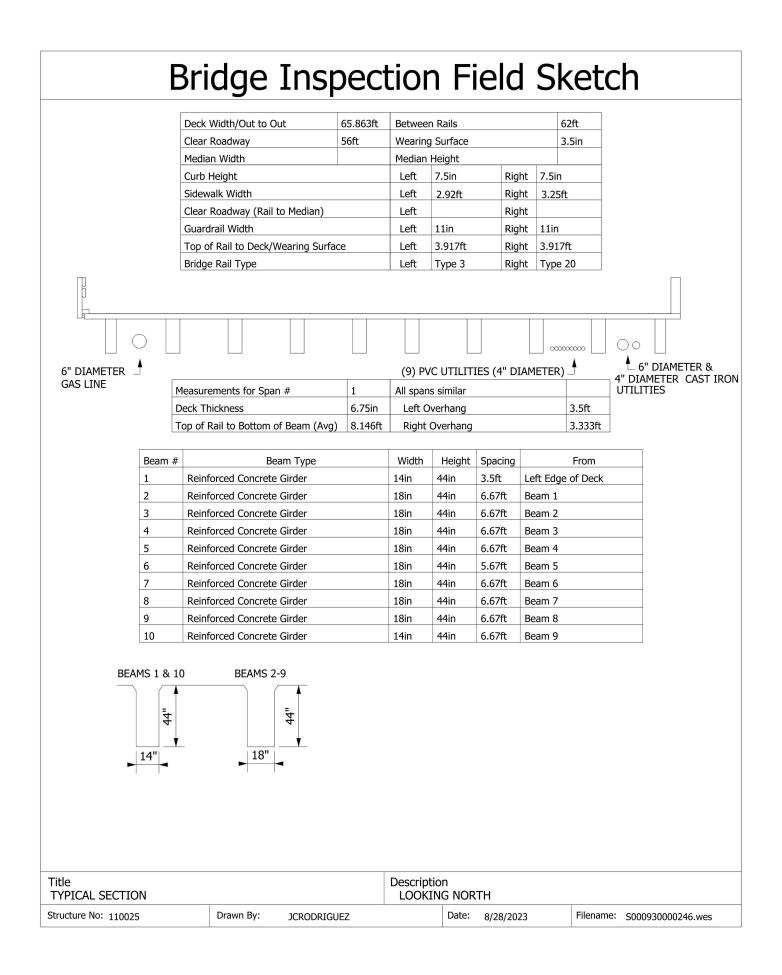


roadway under span 3, looking west

Route Number: 110004	100	Route Na	me: I	Reference Feature:	Н				
Minimum Vertical Cleara	Maxim	um Minimum Vertical							
Total Horizontal Clearan	0 feet	Latera	I Clearances: Left: 12	2.833 feet	Right 16.750	feet			
✓ Base Highway Netwo	LRS Inve	entory R	Route, Sub Route Num	ber 10040					
Milepost: 103.050	Number	of Lanes: 2	2	ADT: 23000	Year of AD	T : 2015	Percentage of Trucks:	16	
✓ National Highway Sy	nator								
Functional Classification 11 Local Principal Arterial - Interstate Direction of Traffic: 1 1 - way traffic									

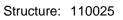
				2
Roadway	54.25ft Wide	5 Paved Lanes	Looking North	
Left Shoulder	4ft Wide	1ft Paved	3ft Unpaved	
Right Shoulder	4ft Wide	2ft Paved	2ft Unpaved	
Left Guardrail				
Right Guardrail	4ft from road			
MEASUREMENTS T	AKEN 60' FROM END BENT 1			
OACH ROADWAY		Description LOOKING NORTH		

Bridge Inspection Field Sketch



		idge									
									5-1-6.0		
# Name	Тур			Length	Width	Height		Beam to	End of Cap		im to End of Caj
# Name Cap 1		e Iforced Concrete		Length 60.5ft	Width 36in	Height 42in	Left 2ft	Beam to	End of Cap	Right Bea 1.3ft	im to End of Caj
 Name Cap 1 Piles 		forced Concrete		60.5ft	36in	42in				1.3ft	Im to End of Caj
 Wame Cap 1 Piles Name 			Pier Cap	60.5ft Spacin	36in g Fror	42in	2ft		End of Cap Height/Diam 36in	1.3ft	Im to End of Ca Length 21ft
 Name Cap 1 Piles Name Pile 1 		forced Concrete	Pier Cap	60.5ft Spacin	36in g Fror	42in m : End of Be	2ft		Height/Diam	1.3ft Width	Length
1 Cap 1 Piles # Name 1 Pile 1		Type Reinforced Concrete	Pier Cap ncrete Colum ncrete Colum ncrete Colum	60.5ft Spacin 1 4ft 17.5ft 17.5ft	36in g Froi Left	42in m End of Ben 1 2	2ft		Height/Diam 36in	1.3ft Width 36in	Length 21ft

Title BENT SKETCH			Descriptio LOOKIN		TH			-
Structure No: 110025	Drawn By:	JCRODRIGUEZ		Date:	8/28/2023	Filename:	S000930000247.wes	



Date: 08/28/2023

Structure Photos



bent 2



superstructure underside

Structure Photos



roadway under span 2, looking east (I-40 eastbound)



west profile looking east

Structure: 110025

County: BURKE

Date: 08/28/2023

Structure Photos



end bent 1 slope protection



intermediate diaphragm

Date: 08/28/2023

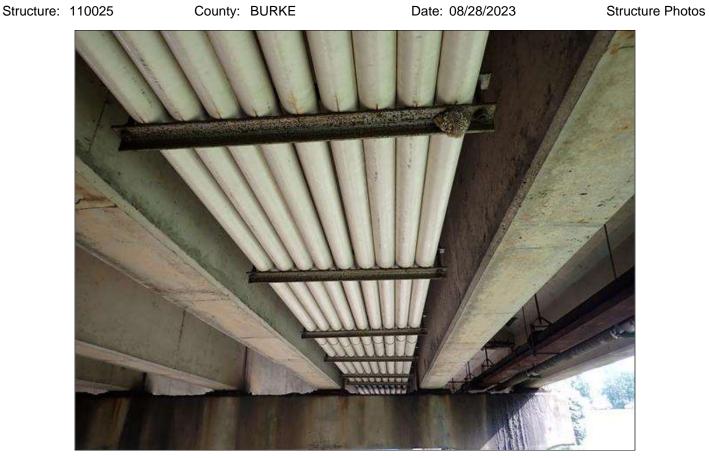
Structure Photos



end bent 1



bay 9, cast iron pipe utility (6 inch diameter) and gas line (4 inch diameter)



bay 8, (9) pvc pipes (4 inch diameter)



southeast wingwall

Structure: 110025

County: BURKE

Date: 08/28/2023

Structure Photos



end bearing assembly



bay 1, gas line (6 inch diameter)



southwest wingwall



bent 1



bent 3



east profile looking west

County: BURKE

Date: 08/28/2023

Structure Photos



roadway under span 3, looking west (I-40 westbound)



end bent 2 slope protection

Date: 08/28/2023



end bent 2



northeast wingwall

County: BURKE

Date: 08/28/2023

Structure Photos



northwest guardrail termination



northwest guardrail

County: BURKE

Date: 08/28/2023



northwest guardrail attachment



northwest guardrail transition

County: BURKE

Date: 08/28/2023

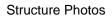


end bent 2 asphalt



north approach looking south

Date: 08/28/2023





bent 3 asphalt



bent 2 asphalt

Date: 08/28/2023



north approach looking north



south approach looking south

County: BURKE

Date: 08/28/2023



roadway looking west



bent 1 asphalt

County: BURKE

Date: 08/28/2023



end bent 1 asphalt

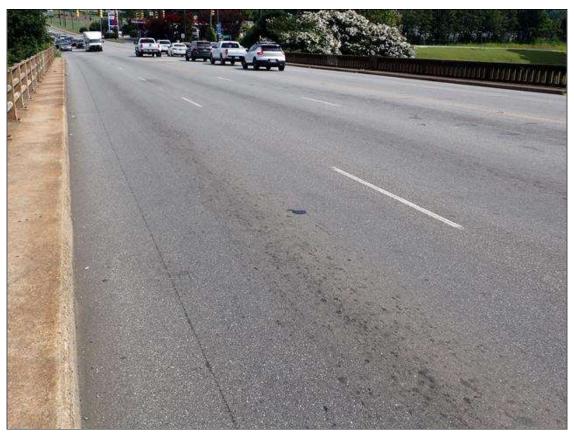


left bridge rail and sidewalk

County: BURKE

Date: 08/28/2023

Structure Photos



asphalt wearing surface



right bridge rail and sidewalk

Date: 08/28/2023



roadway looking east



southeast guardrail attachment

County: BURKE

Date: 08/28/2023

Structure Photos



southeast guardrail transition



southeast guardrail



southeast guardrail termination



south approach looking north

Date: 08/28/2023



ladder used



interior bearing assembly

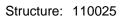
Date: 08/28/2023



beams over bent



northwest wingwall



Date: 08/28/2023

Structure Photos



northwest guardrail