NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY ACTION REQUEST, PARTIAL INSPECTION, SUPPLEMENTAL INSPECTION NEEDED FOR SUPERSTRUCTURE AND FULL SUBSTRUCTURE, "DANGER" SIGNS ON ALL BENT COLUMNS

Structure Safety Report

Routine Element Inspection - Co	ntract
STRUCTURE NUMBER: 130367 SAP STRUCTURE NO: 0140367	FHWA STRUCTURE NO: 00000000270367
DIVISION: 11 COUNTY: CALDWELL INSPECTION DATE: 04/28/2	2022 FREQUENCY: 24 MONTHS
FACILITY CARRIED: US321SBL	MILE POST:
LOCATION: .15 MI.S.JCT.SR1760	
FEATURE INTERSECTED: LAKE HICKORY	_
LATITUDE: <u>35° 45' 27.5"</u> LONGITUDE: <u>81° 22' 37.55"</u>	
SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS	
SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC HAMMERHEAD	
SPANS: 10 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS	
FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL	SCOUR PLAN OF ACTION
GRADES: (Inspector/NBI Coding) DECK 4/4 SUPERSTRUCTURE 4/4 SUBS	TRUCTURE 5/5 CULVERT N/N
POSTED SV: Not Posted POSTED TTST: No	t Posted

OTHER SIGNS PRESENT: NONE

			Sign notice issued for NO NO NO NO		ORS RIDGE RIDGE	Number Required 0 0 0 0 0 0
F. 4		-		CTION OF ECTION	S-N	
	and the second se			ECTION IES PLANS		
SOUTH APPROACH						
INSPECTED BY JACOB W. DOBBINS	SIGNATURE	Jul W. Dill-	ASSISTED BY	LAB		

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

06/13/2022

 STATE NAME NORTH CAROLINA BRIDGE STRUCTURE NUMBER (FEDERAL) INVENTORY ROUTE (ON/UNDER) ON 		130367 0270367 1003210	SUFFICIENCY RATING STATUS =
(2) STATE HIGHWAY DEPARTMENT DISTRICT		11	(112) NBIS BRIDGE SYSTEM
(3) COUNTY CODE (FEDERAL) 27 (4) PLACE CODE		31060	(104) HIGHWAY SYSTEM
(6) FEATURE INTERSECTED LAKE HICKORY			(26) FUNCTIONAL CLASS
(7) FACILITY CARRIED US321SBL (9) LOCATION .15 MI.S.JCT.SR1760			(100) STRAHNET HIGHWAY
(1) MILEPOINT		0.0	(101) PARALLEL STRUCTUR
(12) BASE HIGHWAY NETWORK		1	(102) DIRECTION OF TRAFFI
(13) LRS INVENTORY ROUTE & SUBROUTE		20321	
(16) LATITUDE 35° 45' 27.5 " (17) LONGITUDE		2' 37.55"	(103) TEMPORARY STRUCT
(98) BORDER BRIDGE STATE CODE PERCENT SH/ (99) BORDER BRIDGE STRUCTURE NUMBER PERCENT SH/	ARED		(110) DESIGNATED NATIONA
(33) BORDER BRIDGE STRUCTORE NOMBER			(20) TOLL
STRUCTURE TYPE AND MATERIAL -			(21) MAINT -
(43) STRUCTURE TYPE MAIN		Steel	(22) OWNER -
TYPE Stringer/Multi-beam or girder	CODE	302	(37) HISTORICAL SIGNIFICA
(44) STRUCTURE TYPE APPROACH			
ТҮРЕ	CODE		(58) DECK
(45) NUMBER OF SPANS IN MAIN UNIT		10	(59) SUPERSTRUCTURE
(46) NUMBER OF SPANS IN APPROACH		0	(60) SUBSTRUCTURE
(107) DECK STRUCTURE TYPE	CODE	1	(61) CHANNEL & CHANNEL F
(108)WEARING SURFACE/PROTECTIVE SYSTEM			(62) CULVERTS
(A) TYPE OF WEARING SURFACE	CODE	6	LOAI
(B) TYPE OF MEMBRANE	CODE	0	(31) DESIGN LOAD
(C) TYPE OF DECK PROTECTION	CODE	0	(63) OPERATING RATING ME
AGE AND SERVICE			(64) OPERATING RATING -
(27) YEAR BUILT		1962	(65) INVENTORY RATING ME
(106) YEAR RECONSTRUCTED		0	(66) INVENTORY RATING
(42) TYPE OF SERVICE ON -	ŀ	lighway	(70) BRIDGE POSTING
OFF - Waterway	CODE	15	(41) STRUCTURE OPEN, POS
(28) LANES ON STRUCTURE 2 LANES UNDER STRUC	TURE	0	DESCRIPTION
(29) AVERAGE DAILY TRAFFIC		22500	
(30) YEAR OF ADT 2019 (109) TRUCK ADT PCT		12	(67) STRUCTURAL EVALUAT
(19) BYPASS OR DETOUR LENGTH		1.0	(68) DECK GEOMETRY
GEOMETRIC DATA			(69) UNDERCLEARANCES, V
(48) LENGTH OF MAXIMUM SPAN		81.0	(71) WATERWAY ADEQUACY
(49) STRUCTURE LENGTH		825.0	(72) APPROACH ROADWAY
(50) CURB OR SIDEWALK: LEFT 1.6 RIGHT		1.6	(36) TRAFFIC SAFETY FEAT
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB		28.0	
(52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WITH (W/ SHOULDERS)		33.4 26.0	(113) SCOUR CRITICAL BRIE
(32) AFFROACH ROADWAT WITH (W/ SHOOLDERS) (33) BRIDGE MEDIAN Open median CO	ODE	20.0	
(34) SKEW 0 (35) STRUCTURE FLARED	000	0	(75) TYPE OF WORK
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9	(76) LENGTH OF STRUCTUR
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		28.0	(94) BRIDGE IMPROVEMENT
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9	(95) ROADWAY IMPROVEME
(54) MIN VERT UNDERCLEAR: REFERENCE (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N		0.0 0.0	(96) TOTAL PROJECT COST
(56) MIN LAT UNDERCLEARANCE LT:		0.0	(97) YEAR OF IMPROVEMEN
· · /			(114) FUTURE ADT
	0005	^	
	CODE	0	(90) INSPECTION DATE
(111) PIER PROTECTION	CODE		(92) CRITICAL FEATURE INS
(39) NAVIGATION VERTICAL CLEARANCE		0.0	A) FRACTURE CRIT DE
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR		0.0	B) UNDERWATER INSF
(40) NAVIGATION HORIZONTAL CLEARANCE		0.0	C) OTHER SPECIAL INS
			SCOUR

SUFFICIENCY RATING		36.94
STATUS =	Structurally	Deficient
	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	The left structure of parallel bridges	L
(102) DIRECTION OF TRAFFIC	1-way traffic	1
(103) TEMPORARY STRUCTUR	(E	
(110) DESIGNATED NATIONAL	NETWORK - on natiional network for trucks	1
(20) TOLL	On Free Road	3
(21) MAINT -		01
(22) OWNER -		01
(37) HISTORICAL SIGNIFICANC	Е -	5
	CONDITION	CODE
(58) DECK		4
(59) SUPERSTRUCTURE		4
(60) SUBSTRUCTURE		5
(61) CHANNEL & CHANNEL PR	OTECTION	7
(62) CULVERTS		N
LOAD	RATING AND POSTING	CODE
(31) DESIGN LOAD	H 20 + Mod	6
(63) OPERATING RATING METH	HOD - Load Factor	1
(64) OPERATING RATING -	HS-24	44
(65) INVENTORY RATING METH	HOD -	1
(66) INVENTORY RATING	HS-14	26
(70) BRIDGE POSTING	Posting Required	4
(41) STRUCTURE OPEN, POST	ED, OR CLOSED	А
DESCRIPTION	Open, no restriction	
	APPRAISAL	CODE
(67) STRUCTURAL EVALUATIO	N	4
(68) DECK GEOMETRY		3
(69) UNDERCLEARANCES, VER	RT & HORIZ	Ν
(71) WATERWAY ADEQUACY		7
(72) APPROACH ROADWAY AL	IGNMENT	8
(36) TRAFFIC SAFETY FEATUR	ES	0111
(113) SCOUR CRITICAL BRIDG	ES	8
PROP	OSED IMPROVEMENTS	
(75) TYPE OF WORK	COD	E
(76) LENGTH OF STRUCTURE	IMPROVEMENT	
(94) BRIDGE IMPROVEMENT C	OST	
(95) ROADWAY IMPROVEMEN	r cost	
(96) TOTAL PROJECT COST		
(97) YEAR OF IMPROVEMENT	COST ESTIMATE	
(114) FUTURE ADT	45,000 YEAR OF FUTURE ADT	2040
(90) INSPECTION DATE	04/22 (91) FREQUENCY	24
(92) CRITICAL FEATURE INSPE		Ε
A) FRACTURE CRIT DETA	AIL A)	
B) UNDERWATER INSP	60 B)	09/21
C) OTHER SPECIAL INSP	C)	

Superstructure Build Details

Skew 90.0000

Span Length <u>82.5000</u>

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Asphalt Wearing Surface	Wearing Surface	2310	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	328	Feet	Legacy Red Lead Primer Systems with Various Topcoats	3860
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164	Feet		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	8

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
8	Movable Bearing	Movable Bearing	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	16
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	1320	Feet	Legacy Red Lead Primer Systems with Various Topcoats	13680
2	Concrete Railing	Reinforced Concrete Bridge Railing	164	Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310	Square Feet		
1	Compression Seal	Compression Joint Seal	30	Feet		
8	Rocker Bearing	Movable Bearing	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	40
Span Nu	mber <u>3</u> Sp	an Length <u>82.5000</u>		Sk	ew 90.0000	1

Number of Items		Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
Span Number 4 Span Length 82 5000 Skew 90 0000					

Span Number 1

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	2455	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164	Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310	Square Feet		
Span Nu	Span Number 5Span Length82.5000			Ske	ew 90.0000	1

Number of Items		Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
Span Nu	ımber <u>6</u> Spa	n Length <u>82.5000</u>	Sk	ew 90.0000	

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
8	Movable Bearing	Movable Bearing	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	16
1	Compression Seal	Compression Joint Seal	30	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	1320	Feet	Legacy Red Lead Primer Systems with Various Topcoats	13680
2	Concrete Railing	Reinforced Concrete Bridge Railing	164	Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
8	Rocker Bearing	Movable Bearing	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	40
Span Nu	imber <u>7</u> Spa	an Length <u>82.5000</u>		Sk	ew 90.0000	<u> </u>

Number Quantity (Sq Ft) of Items Type of Component **Protective System Applied Element Name** Quantity 2 Concrete Railing Reinforced Concrete Bridge 164 Feet Railing 1 Asphalt Wearing Surface Wearing Surface 2310 Square Feet

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet	
Span Nu	umber <u>8</u> Spa	n Length <u>82.5000</u>	Sk	ew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
Span Number 9 Span Length 82.5000			Sk	ew 90.0000	

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
Span Nu	imber <u>10</u> Span	Length <u>82.5000</u>	Ske	w 90.0000	

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Compression Seal	Compression Joint Seal	30	Feet		
4	Plate Girder	Steel Open Girder/Beam	328	Feet	Legacy Red Lead Primer Systems with Various Topcoats	3860
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
2	Concrete Railing	Reinforced Concrete Bridge Railing	164	Feet		

Structure Element Scoring

Structure Number: 130367

Inspection Date 4/28/2022

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	24550	22820	1728	2	0
107	0	Steel Open Girder/Beam	Beam	3296	0	3152	33	111
515	107	Steel Protective Coating	Beam	35080	28078	6210	731	61
205	0	Reinforced Concrete Column	Piles and Columns	9	0	7	2	0
215	0	Reinforced Concrete Abutment	Abutments	90	69	21	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	144	144	0	0	0
225	0	Steel Pile	Piles and Columns	20	20	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	324	195	81	48	0
302	0	Compression Joint Seal	Expansion Joints	90	0	36	23	31
311	0	Movable Bearing	Bearing Device	40	1	16	22	1
515	311	Steel Protective Coating	Bearing Device	128	36	15	77	0
313	0	Fixed Bearing	Bearing Device	16	6	6	4	0
515	313	Steel Protective Coating	Bearing Device	32	13	11	8	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	1640	1122	511	7	0
510	0	Wearing Surface	Wearing Surfaces	23100	10632	4006	8453	9

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 130367

Inspection Date: 04/28/2022

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	965 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	3 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	4 Square Feet
3314	Steel Open Girder/Beam	Distortion	2 Feet
3314	Steel Open Girder/Beam	Damage	17 Feet
3314	Steel Open Girder/Beam	Corrosion	128 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	5 Each
3348	Reinforced Concrete Column	Exposed Rebar	1 Each
3348	Reinforced Concrete Column	Delamination/Spall	2 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	34 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	5 Feet
3348	Reinforced Concrete Pier Cap	Damage	2 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	23 Feet
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	1 Feet
3310	Compression Joint Seal	Seal Adhesion	31 Feet
3310	Compression Joint Seal	Metal Deterioration or Damage	3 Feet
3310	Compression Joint Seal	Adjacent Deck or Header	7 Feet
3334	Movable Bearing	Alignment	15 Each
3334	Movable Bearing	Movement	1 Each
3334	Movable Bearing	Corrosion	22 Each
3334	Movable Bearing	Connection	1 Each
3334	Fixed Bearing	Corrosion	4 Each
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	2 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	25 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	13 Feet
2816	Wearing Surface	Crack (Wearing Surface)	8356 Square Feet
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	2 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	116 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	7113 Square Feet

Element Structure Maintenance Quantities

Structure Number: 13	0367				Ir	spection D	ate <u>04/28/</u>	<u>2022</u>
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	90	0	0	21	69
Beam	3314	Maintenance Steel Superstructure Components	147	3296	111	33	3152	0
Beam	3342	Clean and Paint Steel	7002	35080	61	731	6210	28078
Bearing Device	3334	Bridge Bearing	43	56	1	26	22	7
Bearing Device	3342	Clean and Paint Steel	111	160	0	85	26	49
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	40	1640	0	7	511	1122
Caps	3348	Maintenance of Concrete Substructure	65	324	0	48	81	195
Deck	3326	Maintenance of Concrete Deck	972	24550	0	2	1728	22820
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	41	90	31	23	36	0
Footing	3348	Maintenance of Concrete Substructure	0	144	0	0	0	144
Piles and Columns	3348	Maintenance of Concrete Substructure	8	9	0	2	7	0
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	20	0	0	0	20
Wearing Surfaces	2816	Asphalt Surface Repair	8474	23100	9	8453	4006	10632

Priority Actions Request

Structure Nun	nber 130367	_	
Span1			
2816	Wearing Surface	Asphalt Wearir	ng Surface
Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	1	Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE
Span2			
3310	Expansion Joint	Compression S	Seal
Priority Level	Defect Type	Quantity	Defect Description
3	Metal Deterioration or	3	Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp
Span6			
3310	Expansion Joint	Compression S	Seal
Priority Level	Defect Type	Quantity	Defect Description
2	Seal Adhesion	16	Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES
2816	Wearing Surface	Asphalt Wearir	ng Surface
Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	1	Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE
Span7			
2816	Wearing Surface	Asphalt Wearir	ng Surface
			Defect Description
Priority Level	Defect Type	Quantity	
Priority Level	Defect Type Patched Area/Pothole	Quantity 1	Defect Description Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE

Span8

Priority Actions Request

Structure Num	nber 130367	_	
2816	Wearing Surface	Asphalt Wearir	ng Surface
Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	2	Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck
2	Patched Area/Pothole	3	Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7

Span9

2816	Wearing Surface	Asphalt Wearir	ng Surface
Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	1	Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck

Span10

2816	Wearing Surface	Asphalt Wearing Surface					
Priority Level	Defect Type	Quantity	Defect Description				
2	Patched Area/Pothole	2	Span 10 Wearing Surface: (3) up to 8" x 6" x 1 $1/2$ " deep area of missing asphalt wearing surface with exposed deck (PAR)				
3318	Left Bridge Rail	Concrete Railin	ng				
Priority Level	Defect Type	Quantity	Defect Description				
2	Exposed Rebar	2	Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)				

? Priority Action Request (PAR) 1 Assigned Routine Maintenance



Element Condition and Maintenance Data

orced Concrete D	eck						
ent		Total	CS1	CS2	CS3	CS4	
		Qty 2,455	Qty 2,435	Qty 20	Qty 0	-	Square Feet
						Maint	
	•				-	Qty	о г /
Efflorescence/Rust Staining			e cracks	2	20		Square Feet
eneral Comments							
1	Wearing Surf	ace					
alt Wearing Surfa	се						
ent	Element Name	Total	CS1	CS2	CS3	CS4	
		2,310	471	1,190	648	•	Square Feet
Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qtv	
Patched Area/Pothole (Wearing Surface)		-		4	1	1	Square Feet
Crack (Wearing Surface)		tor cracking [up	o to full	3	48	48	Square Feet
Crack (Wearing Surface)			and	3	600	600	Square Feet
Patched Area/Pothole (Wearing Surface)	(3) up to 15' x 4' area of sound patc	hes		2	180		Square Feet
(Wearing Surface)	asphalt [4ft x 2ft x up to 1in deep]; i from bent 1, broken and depressed	in left travel lan	e 28ft	2	10		Square Feet
Patched Area/Pothole (Wearing Surface)	throughout Span, [22] sound patch	es [up to 12ft x	8ft]	2	1,000		Square Feet
eneral Comments							
1	Loft Bridge B						
rete Railing	Len bridge k						
ent	Element Name	Total Otv	CS1 Qtv	CS2 Otv	CS3 Otv	CS4 Otv	
		82	57	25	0	-	Feet
		otion		CS	CS Qty	Maint	
	Per Reinforce Defect Type Efflorescence/Rust Staining eneral Comments 1 alt Wearing Surfa ant ber Wearing Surface) Crack (Wearing Surface) Crack (Wearing Surface) Crack (Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole Mearing Surface)	Defer Element Name Reinforced Concrete Deck Defect Type Defect Descript (full width x hairline) with efflorescond (full width x up to 1/2000) (full width x up	Per Element Name Qty Reinforced Concrete Deck 2,455 Defect Type Defect Description Efflorescence/Rust along length of both overhangs, multiple transverse [full width x hairline] with efflorescence build-up eneral Comments along length of both overhangs, multiple transverse [full width x hairline] with efflorescence build-up 1 Wearing Surface ant Wearing Surface ant Element Name Vearing Surface 2,310 Defect Type Defect Description Patched Area/Pothole PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EX Wearing Surface) Patched Area/Pothole PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EX AND 4' FROM WHITE LINE Crack (Wearing Surface) asphalt over end bent 1 joint, alligator cracking [up width x up to 1/8in] Crack (Wearing Surface) thoughout Span, multiple longitudinal, transverse Giagonal cracks [up to 8ft x up to 1/8in] Patched Area/Pothole (3) up to 15' x 4' area of sound patches Wearing Surface) asphalt [4ft x 2ft x up to 1in deep]; in left travel lan from bent 1, broken and depressed asphalt [16in d up to 1/2in deep] Patched Area/Pothole throughout Span, [22] sound patches [up to 12t x Wearing Surface) Patched Area/Pothole throughout Span, [22] sound patches [up to 12t x Wearing Surface) Patched Area/Pothole throughout Span, [22] sound patches [up to 12t x Wearing Surface) Patched	Per Element Name Reinforced Concrete Deck Qty 2,455 Qty 2,435 Defect Type Defect Description Efflorescence/Rust Staining along length of both overhangs, multiple transverse cracks full width x hairline] with efflorescence build-up eneral Comments Image: Comments 1 Wearing Surface ant beer Element Name Element Name Total Qty Qty Qty Classing Surface Patched Area/Pothole PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED Wearing Surface) Patched Area/Pothole PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED Wearing Surface) Crack (Wearing Surface) TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE Crack (Wearing Surface) asphalt over end bent 1 joint, alligator cracking [up to full width x up to 1/8in] Crack (Wearing Surface) width x up to 1/8in] Patched Area/Pothole right travel lane 24ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 1in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [16in diameter x up to 1/2in deep] Patched Area/Pothole right travel lane 24ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 1in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [16in diameter x up to 1/2in deep] Patched Area/Pothole right travel lane 24ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 1in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [16in diameter x up to 1/2in deep]	Per Element Name Reinforced Concrete Deck Qty 2,455 Qty 2,455 Qty 2,435 Qty 20 Defect Type Defect Description CS Efflorescence/Rust Staining along length of both overhangs, multiple transverse cracks [full width x hairline] with efflorescence build-up 2 eneral Comments 1 Wearing Surface 2 alt Wearing Surface 2,310 CS1 Qty CS1 Qty CS2 Qty erer Element Name Cdty Qty Qty Qty Qty Qty Qty Defect Type Defect Description CS Patched Area/Pothole PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED Wearing Surface CS Patched Area/Pothole PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED Wearing Surface A Surface) width x up to 1/8in] 3 Surface) width x up to 1/8in] 3 Surface) width x up to 1/8in] 2 Patched Area/Pothole (3) up to 15" x 4" area of sound patches 2 Patched Area/Pothole inpik travel lane 24ft from bent 1, broken and depressed asphalt [fur 27 kt x up to 1/8in] 2 Patched Area/Pothole inpik travel lane 24ft from bent 1, broken and depressed asphalt [fur 21 kt area 0" up to 1/2in deep] 2 Patched Area/Pothole inpik travel lane 24ft from bent 1, broken and depressed asphalt [fur 27 kt x up to 1/8in] 2	Per Reinforced Concrete DeckQty 2,455Qty 2,435Qty 20Qty 0Defect Type Efflorescence/Rust tstainingDefect DescriptionCS 2CS 2CS Qty 2Defect Type eneral Commentsalong length of both overhangs, multiple transverse cracks [full width x hairline] with efflorescence build-up eneral Comments2201Wearing Surface220alt Wearing SurfaceTotal 2,310CS1 471CS2 1,190CS2 648Defect Type Wearing SurfaceDefect DescriptionCS 471CS2 1,190CS2 648Defect Type Wearing SurfaceDefect DescriptionCS 471CS2 1,190CS2 648Defect Type Defect TypeDefect DescriptionCS 471CS2 471CS2 471Defect Type Patched Area/PotholePAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED 47141Crack (Wearing Surface)asphalt over end bent 1 joint, alligator cracking [up to full 4010]348Surface wairds xurfaceasphalt over end bent 1 joint, alligator cracking [up to full 33600Patched Area/Pothole (3) up to 15' x 4' area of sound patches2180Wearing Surface asphalt [4ft x 2ft x up to 10 in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 10 in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 10 in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 10 in deep]; in left travel lane 28ft from bent 1, brok	Per Element Name Qty Qty

(24) hairline transverse cracks on rail and curb

2

2

24

1

Feet

1 Feet

331 Delamination/Spall 7" x 2" x 1" deep spall on rail at Post 15 General Comments

Cracking (RC and Other)

331

Concrete Railing

Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinfor	ced Concrete Bridge Railing	82	62	20	0	0 Feet
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
331 C	Cracking (RC and	(20) hairline transverse cracks on	rail and curb		2	20	Feet

Right Bridge Rail

General Comments

15' weathered concrete with exposed aggregate on rail between Posts 3 and 5

Spa	n 1		Beam 1						
Plat	e Girder								
Elen Nun	nent 1ber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	\$	Steel Op	en Girder/Beam	82	0	78	0	4	Feet
515	\$	Steel Pro	ptective Coating	965	823	140	0	2	Square Feet
Elemen Number	Dofoot T	уре	Defect Descri	ption		CS	CS Qty	Maint Qty	
107	Corrosion		[PAR] at far end, active corrosion wit below diaphragm [13in x 16in - avg r [4ft x up to 8in - 3/8in avg remaining] width - avg remaining 7/8in]	emaining 3/8in]; lo	wer web	4	4		4 Feet
107	Corrosion		Full length peeling paint with rust and flanges and web	d surface rust on b	oth	2	78		Feet
515	Effectiveness (Protective Coa	•	Failed			4	2	:	2 Square Feet
515	Effectiveness (Protective Coa	•	Substantially effective			2	140	14	0 Square Feet
-	General Comm	nents							

at end diaphragm adjacent to Beam 1, active corrosion with section loss [avg loss of 1/8in with 3in x 1in corrosion hole]

Span 1

Beam 1 Near Bearing

Fixed Bearing

Elen Num 313		Fixed Be	Element Name aring	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515		Steel Pro	otective Coating	2	0	2	0	0	Square Feet
Element Number	·	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
313	Corro	sion	active surface corrosion [no se	ction loss noted]		2	1	-	Each
515		iveness (Steel ctive Coatings)	Substantially effective			2	2	2	2 Square Feet

General Comments

Span 1

Beam 1 Far Bearing

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		2	0	2	0	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>130367</u>			Inspect	tion Date: 04/28/2022
311	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span	1	Beam 2						
Plate	Girder							
Eleme Numb	ber	Element Name ben Girder/Beam	Total Qty 82	CS1 Qty 0	CS2 Qty 80	CS3 Qty 0	CS4 Qty 2 F	eet
515	Steel Pro	otective Coating	965	794	170	0	1 S	quare Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
107 (Corrosion	at far end, active corrosion with s x full width - avg remaining 1in], v height - avg remaining 5/8in] (PA	veb over bearing [9in	•••	4	2	2	Feet
107 (Corrosion	Full length peeling paint with rust flanges and web	and surface rust on b	oth	2	80		Feet
	Effectiveness (Steel Protective Coatings)	Failed			4	1	1	Square Feet
	Effectiveness (Steel	Substantially effective			2	170	170	Square Feet

Span 1

Beam 2 Near Bearing

Fixed Bearing

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	1	0	0	Each
515	Steel Pro	tective Coating	2	0	2	0	0	Square Feet
Elemen Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	active surface corrosion [no section los	s noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion noted]	on [no sectio	on loss	2	2		2 Square Feet
-	General Comments							

Span 1

Beam 2 Far Bearing

Movable Bearing

Elen Nun	nent nber	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	2	0	2	0	0	Square Feet
Elemen Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	active surface corrosion present			2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no	o section lo	ss noted]	2	2	:	2 Square Feet
-	General Comments							

Structure Number: 130367

Span 1

Beam 3

Plate Girder

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	ben Girder/Beam	82	0	80	2	0 F	eet
515	Steel Pr	otective Coating	965	814	150	0	1 5	Square Feet
Elemen Numbe	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
107	Corrosion		[PAR] far end, active corrosion with section loss: bottom flange [15in x full width - avg remaining 5/8in]; web over bearing [9in x full height - avg remaining 5/8in]		3	2	2	Feet
107	Corrosion	Full length peeling paint with rust ar flanges and web	nd surface rust on b	oth	2	80		Feet
515	Effectiveness (Steel Protective Coatings)	Failed			4	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	150	150	Square Feet
	General Comments							

Span 1 **Beam 3 Near Bearing Fixed Bearing** CS1 CS2 CS4 Element Total CS3 **Element Name** Number Qty Qty Qty Qty Qty 313 **Fixed Bearing** 0 0 Each 1 0 1 2 2 515 **Steel Protective Coating** 0 0 0 Square Feet Element Maint Defect Type **Defect Description** cs CS Qty Number Qty 313 Corrosion active surface corrosion [no section loss noted] 2 1 Each paint failure with active surface corrosion [no section loss 515 Effectiveness (Steel 2 2 2 Square Feet Protective Coatings) noted]

General Comments

Beam 3 Far Bearing

Movable Bearing

Span 1

		5						
	ement Imber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311		Movable	Bearing	1	0	1	0	0 Each
515		Steel Pro	otective Coating	2	1	1	0	0 Square Feet
Eleme Numbe	Dofoot 7	Гуре	Defect Descri	ption		CS	CS Qty	Maint Qty
311	Corrosion		active surface corrosion [no section]	oss noted]		2	1	Each
515	Effectiveness Protective Co	•	paint failure with active surface corro	sion [no section loss	noted]	2	1	1 Square Feet
	General Com	nents						

Beam 4

Plate Girder

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	ben Girder/Beam	82	0	77	1	4 F	eet
515	Steel Pr	otective Coating	965	793	160	0	12 S	Square Feet
Eleme Numbe	Dofact Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at far end active corrosion with section loss: upper web below diaphragm [16in x up to 13in - avg remaining 1/4in]; lower web for 42in [up to 5in high - avg remaining 1/2in]; bottom flange [15in x 7" on both sides - avg remaining 5/8in]			4	4	4	Feet
107	Damage	8" x 10" x 2" deep spall with exposed re diaphragm at East end	ebar on Bent 1		3	1	1	Feet
107	Corrosion	Full length peeling paint with rust and s flanges and web	surface rust on b	oth	2	77		Feet
515	Effectiveness (Steel Protective Coatings)	Failed			4	12	12	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	160	160	Square Feet
	General Comments							

Span 1

Beam 4 Near Bearing

Fixed Bearing

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	1	0	0	Each
515	Steel Pro	ptective Coating	2	1	1	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Description)		CS	CS Qty	Maint Qty	
313	Corrosion	active surface corrosion [loss up to 1/1	6in]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosi	on and section	on loss	2	1		1 Square Feet
-	General Comments							

Span 1

Beam 4 Far Bearing

Movable Bearing

	j						
	ment mber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 Each
515	Steel Pr	otective Coating	2	0	2	0	0 Square Feet
Elemer Numbe	Defect Turne	Defect Description	on		CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion [no section loss	noted]		2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	n [no section los	ss noted]	2	2	2 Square Feet
	General Comments						

Reinforced Concrete Deck

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	2,455	2,427	28	0	0 \$	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
	Cracking (RC and Other)	14 square feet hairline transverse of (West overhang similar)	cracks in East overh	nang	2	28	28	8 Square Feet

General Comments

Span 2

Expansion Joint

Deck

Compression Seal

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compress	sion Joint Seal	30	0	5	10	15 Fe	eet
Element Number	Dofact Type	Defect Descriptio	'n		CS	CS Qty	Maint Qty	
302		right travel lane, seal completely miss filled with asphalt in random locations	•	tially	4	15	15	Feet
302	Adjacent Deck or Header	28" x 12" x 1" deep spalled patch alon	g Bent 1 joint		3	3	3	Feet
302		[PAR] in right travel lane near dashed missing and adjacent metal angle dist	,		3	3	3	Feet
302	Seal Adhesion	along length of jont, seal adhesion fail	lure [adhesior	າ < 50%]	3	4		Feet
302	Adjacent Deck or Header	(2) up to 14' x 10' area of sound patche	es along Bent	1 joint	2			Feet
302		along length of joint, seal adhesion fai 50%]	ilure [adhesio	n >	2	5		Feet

General Comments

Span 2

Wearing Surface

Asphalt Wearing Surface

Eleme Numb	••••	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	2,310	1,902	8	400	0	Square Feet
Element Number	Defect Type	Defect D	escription		CS	CS Qty	Maint Qty	
	Crack (Wearing Surface)	throughout Span, multiple lor cracks [up to 8ft x up to 1/16i	•	erse	3	400	40	0 Square Feet
	Patched Area/Pothol (Wearing Surface)	e in right travel lane near bent ?	l, sound patch [4ft x 2	2ft]	2	8		Square Feet

General Comments

Span 2

Left Bridge Rail

Concrete Railing

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ed Concrete Bridge Railing	82	63	19	0	0 Feet	
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(18) hairline transverse cracks on	rail and curb		2	18	Feet	
331	Delamination/Spall	4" x 2" x 1/2" deep spall on curb at	t Post 13		2	1	1 Feet	

General Comments

30' weathered concrete with exposed aggregate on rail between Posts 4 and 9

Spa	n 2	Right Bridge	Rail					
Con	crete Railing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ed Concrete Bridge Railing	82	48	34	0	0 Fe	et
Elemen Number	Dofact Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(17) hairline transverse cracks on	rail and curb		2	17	-	Feet
331	Cracking (RC and Other)	15' x 10" area of hairline map crac Posts 10 and 12	king on curb betw	veen	2	15		Feet
331	Delamination/Spall	3" x 4" x 1/2" deep spall on rail at	Post 3		2	1	1	Feet
331	Exposed Rebar	8" x 3" x 1/2" deep spall with expo	sed rebar on rail a	at Post	2	1	1	Feet

Span 2

Beam 1

Plate Girder

Elen Nurr		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	330	0	313	2	15 F	eet
515	Steel	Protective Coating	3,420	2,704	715	0	1 S	Square Feet
Element Number	Defect Tune	Defect Descripti	ion		CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at bent 2, active corrosion with s diaphragm: [18in x 13in - 3/8in avg rem 4in - loss < 1/16in]; bottom flange: [2ft x < 1/16in]	aining]; lower \	web: [3ft x	4	3	3	Feet
107	Corrosion	[PAR] Span 2 at near end, active corros [15in x 10in - 1/8in avg remaining] with diameter]; lower web: [4ft x 5in - 5/8in a flange: [4ft x full width - 1in avg remaini	corrosion hole avg remaining];	[2in	4	4	4	Feet
107	Corrosion	[PAR] Span 5 at far end, active corrosic [16in x 30in - 3/8in avg remaining]; bott width - 7/8in avg remaining]			4	6	6	Feet
107	Corrosion	13" x 3" area of 1/4" section loss (1" rer bottom flange near Bent 1 (PAR)	maining) on left	side of	4	2	2	Feet
107	Damage	13" x 9" x 1" deep spall and area of del face of Bent 2 diaphragm in Bay 1 in Sp		pan 3	3	2	2	Feet
107	Corrosion	exterior face of beam over bent 3, activ loss [up to 3ft x up to full height - sectio			2	3		Feet
107	Corrosion	Full length peeling paint with rust and s flanges and web in Spans 2-5	urface rust on	both	2	310		Feet
515	Effectiveness (Stee Protective Coatings				4	1	1	Square Feet
515	Effectiveness (Stee Protective Coatings				2	715	715	Square Feet

General Comments

Rocker 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 5 0 0 5 0 Square Feet Element Number Defect Type Defect Description CS CS Qty Maint Qty Maint Qty Maint Qty <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>									
515Steel Protective Coating50050Square FeetElement NumberDefect TypeDefect DescriptionCSCS QtyMaint Qty311Corrosionbearing exhibits pack rust [1/16in] with active surface corrosion3111Each311Alignment1 1/8" rotation to the North21Each515Effectiveness (Steel Protective Coatings)paint failure with active surface corrosion [no section loss noted]355Square Feet			Element Name						
Element NumberDefect TypeDefect DescriptionCSCS QtyMaint Qty311Corrosionbearing exhibits pack rust [1/16in] with active surface corrosion311Each311Alignment1 1/8" rotation to the North21Each515Effectiveness (Steel Protective Coatings)paint failure with active surface corrosion [no section loss noted]355Square Feet	311	Movab	e Bearing	1	0	0	1	0	Each
NumberDefect TypeDefect DescriptionCSCS QtyQty311Corrosionbearing exhibits pack rust [1/16in] with active surface corrosion311Each311Alignment1 1/8" rotation to the North21Each515Effectiveness (Steel Protective Coatings)paint failure with active surface corrosion [no section loss noted]355Square Feet	515	Steel P	rotective Coating	5	0	0	5	0	Square Feet
311 Alignment 1 1/8" rotation to the North 2 1 Each 515 Effectiveness (Steel Protective Coatings) paint failure with active surface corrosion [no section loss noted] 3 5 5 Square Feet		Defect Type	Defect Desc	ription		CS	CS Qty		
515 Effectiveness (Steel Protective Coatings) paint failure with active surface corrosion [no section loss noted] 3 5 5 Square Feet	311	Corrosion		vith active surface co	orrosion	3	1	Ē	1 Each
Protective Coatings)	311	Alignment	1 1/8" rotation to the North			2			1 Each
General Comments	515	(paint failure with active surface corr	osion [no section los	s noted]	3	5		5 Square Feet
		General Comments							

Span 2

Beam 1 Far Bearing

Rocker Bearing

Elen Nun		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	5	0	0	5	0	Square Feet
Elemen	Dofact Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] and a [section loss up to 1/16in]	corrosion with sec	tion loss	3	1	-	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and	section loss		3	5	:	5 Square Feet
-	General Comments							

Span 2

Beam 1 Intermediate Bearing

Movable Bearing

lent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
Movable	Bearing	1	0	0	1	0	Each
Steel Pro	otective Coating	2	0	0	2	0	Square Feet
Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
Corrosion	bent 2 bearing exhibits pack rust [1, corrosion [no section loss noted]	/16in] with active su	rface	3	1		1 Each
Effectiveness (Steel Protective Coatings)	paint failure with active surface corr	osion [no section los	ss noted]	3	2		2 Square Feet
	ber Movable Steel Pro Defect Type Corrosion Effectiveness (Steel	ber Element Name Movable Bearing Steel Protective Coating Defect Type Defect Desc Corrosion bent 2 bearing exhibits pack rust [1, corrosion [no section loss noted] Effectiveness (Steel paint failure with active surface corr	ber Element Name Qty Movable Bearing 1 Steel Protective Coating 2 Defect Type Defect Description Corrosion bent 2 bearing exhibits pack rust [1/16in] with active sur corrosion [no section loss noted] Effectiveness (Steel paint failure with active surface corrosion [no section loss	ber Element Name Qty Qty Movable Bearing 1 0 Steel Protective Coating 2 0 Defect Type Defect Description Corrosion bent 2 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted] Effectiveness (Steel paint failure with active surface corrosion [no section loss noted]	ber Element Name Qty Qty Qty Qty Movable Bearing 1 0 0 Steel Protective Coating 2 0 0 Defect Type Defect Description CS Corrosion bent 2 bearing exhibits pack rust [1/16in] with active surface orrosion [no section loss noted] 3 Effectiveness (Steel paint failure with active surface corrosion [no section loss noted] 3	ber Element Name Qty Qty Qty Qty Qty Movable Bearing 1 0 0 1 Steel Protective Coating 2 0 0 2 Defect Type Defect Description CS CS Qty Corrosion bent 2 bearing exhibits pack rust [1/16in] with active surface orrosion [no section loss noted] 3 1 Effectiveness (Steel paint failure with active surface corrosion [no section loss noted] 3 2	ber Element Name Qty <

Span 2

Beam 1 Intermediate Bearing

Fixed Bearing

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing		1	o	0	1	-	Each
515	Steel Protective Coating		2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>130367</u>			Inspec	tion Date: 04/28/2022
313	Corrosion	bent 3 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2 Square Feet

General Comments

-							
Spar	n 2	Bea	m 1 Intermediate Bea	aring			
Mov	able Beari	ng					
Elerr Num		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	2	2	0	0	0 Square Feet
Element Number	Defect	Туре De	fect Description		cs	CS Qty	Maint Qty
311	Alignment	bearing is [3/16in] in cont	raction		2	1	1 Each
, c	General Com	nents					
Spar Plate	n 2 e Girder	Bea	ım 2				
-	e Girder	Bea Element Name	ım 2 Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Plate	e Girder		Total	•••			

t Defect Type	Defect Description	CS	CS Qty	Maint Qty	
Corrosion	Span 2 over bent 1, active corrosion with section loss: left side web over bearing [8in x 12in - avg remaining 5/8in]; lower web [2ft x 1ft - no loss noted]; bottom flange [16in x full width - no loss noted] (PAR)	4	2	2	Feet
Corrosion	9" x 24" area of 1/16" section loss (11/16" remaining) on web in Span 5 at Bent 5	3	1	1	Feet
Damage	16" x 12" x 1/4" deep spall and area of delamination on Span 4 face of Bent 3 diaphragm in Bay 2	3	2	2	Feet
Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 2-5	2	325		Feet
Effectiveness (Steel Protective Coatings)	Failed	4	1	1	Square Feet
Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1	Square Feet
Effectiveness (Steel Protective Coatings)	Substantially effective	2	735	735	Square Feet
	Corrosion Damage Corrosion Effectiveness (Steel Protective Coatings) Effectiveness (Steel Protective Coatings) Effectiveness (Steel	CorrosionSpan 2 over bent 1, active corrosion with section loss: left side web over bearing [8in x 12in - avg remaining 5/8in]; lower web [2ft x 1ft - no loss noted]; bottom flange [16in x full width - no loss noted] (PAR)Corrosion9" x 24" area of 1/16" section loss (11/16" remaining) on web in Span 5 at Bent 5Damage16" x 12" x 1/4" deep spall and area of delamination on Span 4 face of Bent 3 diaphragm in Bay 2CorrosionFull length peeling paint with rust and surface rust on both flanges and web in Spans 2-5Effectiveness (Steel Protective Coatings)FailedEffectiveness (Steel Protective Coatings)Limited effectivenessSubstantially effectiveSubstantially effective	CorrosionSpan 2 over bent 1, active corrosion with section loss: left side web over bearing [8in x 12in - avg remaining 5/8in]; lower web [2ft x 1ft - no loss noted]; bottom flange [16in x full width - no loss noted] (PAR)4Corrosion9" x 24" area of 1/16" section loss (11/16" remaining) on web in Span 5 at Bent 53Damage16" x 12" x 1/4" deep spall and area of delamination on Span 4 face of Bent 3 diaphragm in Bay 23CorrosionFull length peeling paint with rust and surface rust on both flanges and web in Spans 2-54Effectiveness (Steel Protective Coatings)Failed4Protective Coatings)Limited effectiveness3Effectiveness (Steel Protective Coatings)Substantially effective2	CorrosionSpan 2 over bent 1, active corrosion with section loss: left side web over bearing [8in x 12in - avg remaining 5/8in]; lower web [2ft x 1ft - no loss noted]; bottom flange [16in x full width - no loss noted] (PAR)2Corrosion9" x 24" area of 1/16" section loss (11/16" remaining) on web in 	CorrosionSpan 2 over bent 1, active corrosion with section loss: left side web over bearing [8in x 12in - avg remaining 5/8in]; lower web [2ft x 1ft - no loss noted]; bottom flange [16in x full width - no loss noted] (PAR)422Corrosion9" x 24" area of 1/16" section loss (11/16" remaining) on web in Span 5 at Bent 5311Damage16" x 12" x 1/4" deep spall and area of delamination on Span 4 face of Bent 3 diaphragm in Bay 22325CorrosionFull length peeling paint with rust and surface rust on both flanges and web in Spans 2-5311Effectiveness (Steel Protective Coatings)Failed411Effectiveness (Steel Protective Coatings)Limited effectiveness311Effectiveness (Steel Protective Coatings)Substantially effective2735735

Span 2

Beam 2 Near Bearing

Rocker Bearing

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	5	5	0	0	0	Square Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
311 Mov	/ement	1/4" rotation to the North			2	1		1 Each

General Comments

Rocker Bearing

Elem Numl		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	5	0	0	5	0	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [3/16in] loss [section loss up to 1/16in]	and corrosion with se	ection	3	1		1 Each
	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion a	and section loss		3	5	Ę	5 Square Feet

General Comments

Span 2

Beam 3

Plate Girder

Nu	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	ben Girder/Beam	330	0	326	2	2 F	eet
515	Steel Pr	otective Coating	3,420	2,588	830	1	1 S	quare Feet
Elemer Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] over bent 2, active corrosion with se adjacent to deck haunch: [22in x up to 10in 5/16in]			4	2	2	Feet
107	Corrosion	4" x 5" area of 1/4" section loss (1" remaini bottom flange in Span 3 at Bent 2	ng) on righ	t side of	3	1	1	Feet
107	Corrosion	9" x 24" area of 1/16" section loss (11/16" r Span 5 at Bent 5	emaining)	on web in	3	1	1	Feet
107	Corrosion	Full length peeling paint with rust and surfa flanges and web in Spans 2-5	ice rust on	both	2	326		Feet
515	Effectiveness (Steel Protective Coatings)	Failed			4	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness			3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	830	830	Square Feet

General Comments

Beam 3 Near Bearing

Rocker Bearing

Span 2

Elen Nun 311		Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	Steel Pr	otective Coating	5	0	0	5	0	Square Feet
Elemen Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] with [no section loss noted]	active surface corr	rosion	3	1		1 Each
311	Alignment	5/8" rotation to the North			2			1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corro	sion [no section los	s noted]	3	5	ł	5 Square Feet
-	General Comments							

Rocker 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	5	0	0	5	0	Square Feet
Elemer Numbe	Defect Type	Defect Descr	ription		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [3/16in] a loss [section loss up to 1/16in]	nd corrosion with se	ction	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion an	d section loss		3	5	ţ	5 Square Fee
	Constal Commonto							

General Comments

Beam 3 Intermediate Bearing

Movable Bearing

Span 2

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Numbe	Dofoot Tuno	Defect Descriptio	n		CS	CS Qty	Maint Qty	
311	Corrosion	bent 2 bearing exhibits pack rust [1/16in] corrosion [no section loss noted]	with active su	rface	3	1	-	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	[no section lo	ss noted]	3	2	:	2 Square Feet
-	General Comments							

Span 2

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	296	8	26 Feet
515	Steel Protective Coating	3,420	2,764	640	2	14 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] in Span 5 at far end, active corrosion with section loss, web at diaphragm: [18in x 30in - avg remaining 1/4in] with 4" x 8" hole; next 5ft lower web: [5ft x up to 5in - avg remaining 5/16in]; bottom flange: [4ft x up to full width - avg remaining 15/16in]	4	5	5	Feet
107	Corrosion	2' x 5" area of 1/4" section loss (1" remaining) on right side of bottom flange in Span 2 at Bent 1 (PAR)	4	2	2	Feet
107	Corrosion	6' x 2' area of 1/2" section loss (1/4" remaining) on right side of web in Span 2 at Bent 1 (PAR)	4	6	6	Feet
107	Corrosion	over bent 2, active corrosion with section loss web over bearing: [24in x 17in - 5/8in avg remaining]; lower web: [7ft x up to 5in - 5/8in avg remaining]; bottom flange: [11ft x full width - 1" remaining] (PAR)	4	11	11	Feet
107	Distortion	21" x 20" area of 1/4" buckling on lower web in Span 5 (PAR)	4	2	2	Feet
107	Corrosion	exterior face over bent 3, active corrosion with section loss upper web at deck haunch: [20in x 4in - avg remaining 11/16in]; both faces of lower web: [8ft x 4in - loss < 1/16in]	3	8	8	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 2-5	2	296		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	14	14	Square Feet

Structure	Number: <u>130367</u>			Ins	spection Date: 04/28/2022
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	640	640 Square Feet

General Comments

Spa	in 2	Beam 4 Ne	ar Bearing					
Roc	ker 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 Pro	otective Coating	5	0	0	5	0	Square Feet
Elemen Numbe	Dofact Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] w [no section loss noted]	ith active surface cor	rosion	3	1		I Each
311	Alignment	3/4" rotation to the North			2			I Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface cor	rosion [no section los	s noted]	3	5	ţ	5 Square Feet
	General Comments							

Span 2

Beam 4 Far Bearing

Rocker Bearing

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	ptective Coating	5	0	0	5	0	Square Feet
lemen lumber	Dofoot Typo	Defect Descr	iption		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] and [section loss up to 1/16in]	d corrosion with sec	tion loss	3	1	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion an	d section loss		3	5	Ę	5 Square Feet

General Comments

Beam 4 Intermediate Bearing

Movable Bearing

Span 2

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	2	0 3	Square Feet
Elemen Numbe	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
311	Corrosion	bent 2 bearing exhibits pack rust [1/ corrosion [no section loss noted]	16in] with active sur	face	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corre	osion [no section los	s noted]	3	2	2	Square Feet
	General Comments							

Beam 2 Intermediate Bearing

Span 2 Fixed Bearing

Inspection Date:	<u>04/28/2022</u>
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Elerr Num		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	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
313	Corrosion	bent 3 bearing exhibits pack rust [1/16 corrosion [no section loss noted]	in] with active su	rface	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosi	on [no section los	ss noted]	3	2		2 Square Feet

General Comments

Beam 2 Intermediate Bearing

Movable Bearing

Span 2

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	2	2	0	0	0	Square Feet
Element Number	Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty	
311 Aligr	nment	3/16in rotation to the North			2	1	-	1 Each

General Comments

Beam 3 Intermediate Bearing

Fixed Bearing

Span 2

	0							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	0	1	0	Each
515	Steel Pro	ptective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty	
313	Corrosion	bent 3 bearing exhibits pack rust [1/16in] corrosion [no section loss noted]	with active su	rface	3	1		1 Each
	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	[no section los	ss noted]	3	2	:	2 Square Feet
G	eneral Comments							

Span 2

Beam 3 Intermediate Bearing

Movable Bearing

Element Number 311		Element Name le Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each
515	Steel P	rotective Coating	2	2	0	0	0 Square Feet
Element Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty
311 Alig	nment	3/16in rotation to the North			3	1	1 Each

General Comments

Beam 4 Intermediate Bearing

Elerr Num		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	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
313	Corrosion	bent 3 bearing exhibits pack rust [1/1 corrosion [no section loss noted]	6in] with active sur	face	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corror	sion [no section los	ss noted]	3	2	:	2 Square Feet

General Comments

Span 2

Beam 4 Intermediate Bearing

Movable Bearing CS4 Element Total CS1 CS2 CS3 Number Element Name Qty Qty Qty Qty Qty 311 Movable Bearing 0 Each 1 0 1 0 515 **Steel Protective Coating** 2 2 0 0 0 Square Feet Element Maint **Defect Type Defect Description** CS CS Qty Number Qty bearing is [3/16in] in contraction 2 311 Alignment 1 1 Each

General Comments

Spa	an 3	Deck					
Rei	nforced Concrete	Deck					
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinfor	ced Concrete Deck	2,455	2,439	16	0	0 Square Feet
Eleme Numbe	Defect Turne	Defect Desc	ription		CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	8 square feet hairline transverse cr East overhang (West overhang sim		ence in	2	16	16 Square Feet
	General Comments						

General Comments

Span 3

Wearing Surface

Asphalt Wearing Surface

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	2,310	1,985	48	277	0 S	quare Feet
Elemen Numbe	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	250 square feet up to 1/8" long cracks	itudinal and transve	rse	3	250	250	Square Feet
510	Crack (Wearing Surface)	asphalt over bent 2, multiple to width x up to 1/4in]	ansverse cracks [up	to full	3	26	26	Square Feet
510	Delamination/Spall (Wearing Surfaces)	in right travel lane near dashe [12in x 7in x 2in deep]	d line 25ft from bent	2, spall	3	1	1	Square Feet
510	Patched Area/Pothole (Wearing Surface)	e (4) up to 2' x 6' area of sound p	oatches		2	48		Square Feet

General Comments

Span 3	3	Left Bridge R	all					
Concre	ete Railing							
Elemen Number	er	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ced Concrete Bridge Railing	82	50	32	0	0 Fee	et
Element Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
	racking (RC and ther)	(32) hairline transverse cracks on ra	il and curb		2	32	F	Feet
Gen	neral Comments							
Span 3	3	Right Bridge	Rail					
•	3 ete Railing	Right Bridge	Rail					
Concre	ete Railing		Total	CS1	CS2	CS3	CS4	
Concre Element Number	ete Railing	Element Name	Total Qty	Qty	Qty	Qty	Qty	
Concre	ete Railing		Total					et
Concre Element Number	ete Railing	Element Name	Total Qty 82	Qty	Qty	Qty	Qty	et
Element Number 331 Element Number 331 Cra	ete Railing ht r Reinford	Element Name ced Concrete Bridge Railing	Total Qty 82	Qty	Qty 25	Qty 0	Qty 0 Fee Maint Qty	et Feet
Element Number 331 Element Number 331 Cra Ott	ete Railing Int Pr Reinford Defect Type racking (RC and	Element Name ced Concrete Bridge Railing Defect Descript	Total Qty 82 tion iil and curb o 6in x 2in x 1/4	Qty 57	Qty 25 CS	Qty 0 CS Qty	Qty 0 Fee Maint Qty F	

Deck

Reinforced Concrete Deck

Elen Nun	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	2,455	1,697	758	0	0 S	quare Feet
Elemen	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	700 square feet weathered concrebet bottom of deck	ete with exposed ago	pregate on	2	700	-	Square Feet
12	Cracking (RC and Other)	10 square feet hairline transverse East overhang (West overhang si		cence in	2	20	20	Square Feet
12	Damage	32' x 14" weathered concrete with overhang	exposed aggregate	on East	2	38		Square Feet
-	General Comments							

Span 4

Wearing Surface

Asphalt Wearing Surface

Elen Num	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	2,310	1,768	16	526	0 S	quare Feet
Element Number	- Dofoot Turno	Defect Descr	ption		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	asphalt over bent 3, multiple trans width x up to 1/4in]	verse cracks [up	to full	3	26	26	Square Feet
510	Crack (Wearing Surface)	throughout Span, multiple transve cracks [up to 12ft x up to 1/8in]	erse and longitud	linal	3	500	500	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) up to 4' x 4' area of sound patc	hes		2	16		Square Feet
Ī	General Comments							

Spa	n 4	Left Bridge	Rail					
Con	crete Railing							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	82	57	25	0	0	Feet
Elemen Number	Defect Type	Defect Descri	iption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(24) hairline transverse cracks in r	ail and curb		2	24		Feet
331	Exposed Rebar	(5) areas of exposed rebar on rail 3	between Post 1 ar	nd Post	2	1		1 Feet
-	General Comments							

Spa	in 4	Right Bridge	e Rail					
Con	crete Railing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	82	62	20	0	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(20) hairline transverse cracks on	rail and curb		2	20	Fee	et
-	General Comments							

Spa	in 5	Deck					
Rei	nforced Concrete	Deck					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinfor	ced Concrete Deck	2,455	2,445	10	0	0 Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	10 square feet hairline transverse East overhang	cracks with efflores	cence in	2	10	10 Square Feet
	General Comments						

S	pan	5

Wearing Surface

Asphalt Wearing Surface

Elen Nurr		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	2,310	1,526	8	776	0 S	quare Feet
Element	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	asphalt over bent 4, multiple t width x up to 1/4in]	ransverse cracks [up	to full	3	26	26	Square Feet
510	Crack (Wearing Surface)	throughout span, multiple tran cracks [up to 15ft x up to 1/8ir		inal	3	750	750	Square Feet
510	Patched Area/Pothol (Wearing Surface)	e right travel lane 2ft from bent	4, sound patch [4ft x	2ft]	2	8		Square Feet

Concrete Railing

Elemer Numbe		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	82	62	20	0	0 Feet	
Element Number	Defect Type	Defect Desci	ription		CS	CS Qty	Maint Qty	
	racking (RC and ther)	(20) hairline transverse cracks on	rail and curb		2	20	Feet	

Left Bridge Rail

General Comments

Spa	in 5	Right Bridge	e Rail					
Cor	crete Railing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ed Concrete Bridge Railing	82	55	27	0	0	Feet
Elemer Numbe	Defect Type	Defect Descri	iption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(24) hairline transverse cracks on	rail and curb		2	24		Feet
331	Delamination/Spall	3" x 4" x 1" deep spall on rail at Po	ost 13		2	1	1	Feet
331	Patched Area	15" x 16" area of sound patch on r	rail at Post 14		2	2		Square Feet

General Comments

Span 6

Expansion Joint

Compression Seal

Element CS1 CS2 CS3 CS4 Total Number **Element Name** Qty Qty Qty Qty Qty 302 **Compression Joint Seal** 30 0 14 0 16 Feet Element Maint Defect Type **Defect Description** cs CS Qty Number Qty 302 Seal Adhesion PAR: (2) up to 8' missing joint material IN BOTH LANES 4 16 Feet 16 **Debris Impaction** 16' dirt and debris 2 302 4 Feet 2 Feet 302 Seal Adhesion 10' detached joint material 10 **General Comments**

Span 6

Deck

Reinforced Concrete Deck

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	2,455	2,235	220	0	0 S	quare Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	10 square feet hairline transverse East overhang (West overhang si		cence in	2	20	20	Square Feet
12	Cracking (RC and Other)	200 square feet hairline transvers	e cracks on bottom o	of deck	2	200	200	Square Feet

General Comments

Wearing Surface

Span 6

Asphalt Wearing Surface

	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	2,310 1,375		84	850	1 5	Square Feet
Elemen Numbe	Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
510	Patched Area/Pothole (Wearing Surface)	PAR: 8" DIAMETER X 2" DEEP POTHO TOP OF DECK IN LEFT LANE AT 15' F FROM CENTERLINE			4	1	1	Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse a cracks [up to 15ft x up to 1/8in]	and longitud	linal	3	850	850	Square Feet
510	Patched Area/Pothole (Wearing Surface)	e (7) up to 2' x 6' area of sound patches			2	84		Square Feet
	General Comments							

Spa	n 6		Left Bridge F	Rail					
Con	crete Ra	iling							
Eler Nun	nent nber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331		Reinford	ed Concrete Bridge Railing	82	50	32	0	0	Feet
Elemen Numbe	Dofo	ct Type	Defect Descri	otion		CS	CS Qty	Maint Qty	
331	Cracking Other)	(RC and	(32) hairline transverse cracks on r	ail and curb		2	32		Feet
-	General Co	omments							

Spa	in 6	Right Bridge	Rail					
Cor	ncrete Railing							
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	82	70	12	0	0 Feet	
Elemer Numbe	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(12) hairline transverse cracks on r	ail and curb		2	12	Feet	
	General Comments							_

Span	6	Beam 1						
Plate	Girder							
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	St	eel Open Girder/Beam	330	0	314	2	14 Feet	
515	St	eel Protective Coating	3,420	2,754	660	0	6 Square Feet	
Element Number	Defect Ty	De Defect Descr	iption		CS	CS Qty	Maint Qty	
107 (Corrosion	[PAR] at bent 6, active corrosion with diaphragm [18in x 10in - avg remain 4in - avg remaining 5/16in]; bottom f	ing 1/4in]; lower w	eb [6ft x	4	6	6 Feet	

remaining]

Structure	Number: <u>130367</u>			Inspec	tion D	ate: 04/28/2022
107	Corrosion	[PAR] in Span 9 at far end, active corrosion with section loss, upper web at diaphragm: [13in x 13in - avg remaining 1/2in]; lower web: [3ft x 4in - avg remaining knife edge] with corrosion hole over bearing [1in x 1/2in]; bottom flange: [15in x full width - avg remaining 7/8in]	4	3	3	Feet
107	Corrosion	[PAR] near end at bent 5, active corrosion with section loss, upper web at diaphragm: [15in x 10in - avg remaining 1/4in]; lower web: [3ft x 4in - avg remaining 3/8in] ; bottom flange: [18in x full width - section loss < 1/16in]	4	3	3	Feet
107	Corrosion	15" x 10" area of 1" section loss (1/4" remaining) on left side of web in Span 6 at Bent 5 (PAR)	4	2	2	Feet
107	Damage	16" x 10" x 1/2" deep spall with exposed rebar and area of delamination on Bent 8 diaphragm in Bay 1	3	2	2	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	314		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	6	6	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	660	660	Square Feet

General Comments

at bent 7 top flange of interior diaphragm, active corrosion [section loss up to 50%]

Span 6

Beam 1 Near Bearing

Rocker Bearing

Eleme Numb		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	5	0	0	5	0	Square Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
311 C	corrosion	bearing exhibits pack rust [1/8in] a [section loss up to 1/16in]	and corrosion with sec	tion loss	3	1		1 Each
311 A	lignment	3/4" rotation to the South			2			1 Each
	ffectiveness (Steel rotective Coatings)	paint failure with active corrosion	and section loss		3	5	ŧ	5 Square Feet

General Comments

Beam 1 Far Bearing

Rocker Bearing

Span 6

	Jilon Boaring							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mova	able Bearing	1	0	1	0	0	Each
515	Stee	Protective Coating	5	4	1	0	0	Square Feet
Elemer Numbe	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
311	Corrosion	Peeling paint with rust			2	1		Each
515	Effectiveness (Stee Protective Coatings				2	1		1 Square Feet

General Comments

rocker bearing vertical

Structure Number: 130367

Beam 1 Intermediate Bearing

Movable Bearing

Span 6

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	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	bent 6 bearing exhibits pack rust [1/8in]			3	1	-	1 Each
311	Alignment	5/8" rotation to the South			2			1 Each
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness			3	2		2 Square Feet
	General Comments							

Span 6

Beam 1 Intermediate Bearing

Movable Bearing

Elen Num 311		Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	
515	Steel Pr	otective Coating	2	1	1	0	0	Square Feet
Element Number	Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	Peeling paint with rust			2	1	-	Each
515	Effectiveness (Steel	Substantially effective			2	1		1 Square Feet

Protective Coatings) General Comments

Span 6

Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	322	6	2 Feet
515	Steel Protective Coating	3,420	2,677	740	1	2 Square Feet

Element Number	Dofoot Tuno	Defect Description	cs	CS Qty	Maint Qty	
107	Corrosion	[PAR] upper web at both faces of bent 6 deck haunch, active corrosion with section loss [18in x up to 10in - avg remaining 1/4in]; lower web [20in x 2in - section loss <1/16in]	4	2	2	Feet
107	Corrosion	at near end at bent 5, active corrosion with 1/16" section loss, upper web [18in x up to 8in - avg re 11/16in]	3	2	2	Feet
107	Corrosion	in Span 9 right side lower web at far end, active corrosion [2ft x 2in - avg remaining 21/32in]	3	2	2	Feet
107	Damage	4" x 2 1/2" x 1 1/2" deep spall on Bent 8 diaphragm in Bay 1	3	1	1	Feet
107	Damage	9" x 9" x 1/2" deep spall and area of delamination on Span 7 face of Bent 6 diaphragm in Bay 1	3	1	1	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	320		Feet
107	Damage	17" x 10" area of delamination on Span 7 face of Bent 6 diaphragm in Bay 2	2	2	2	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	740	740	Square Feet

General Comments

top flange of interior diaphragm, active corrosion [section loss up to 50%]

Spa	n 6	Beam 2 Nea	ar Bearing					
Roc	ker Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	0	1	0	Each
515	Steel F	Protective Coating	5	0	0	5	0	Square Feet
Elemer Numbe	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] ar [section loss up to 1/16in]	nd corrosion with sec	tion loss	3	1	-	1 Each
311	Alignment	1/4" rotation to the South			2			1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion an	nd section loss		3	5	:	5 Square Feet
	General Comments							
Spa	n 6	Beam 2 Far	r Bearing					
Roc	ker Bearing							
Nur	nent nber Movat	Element Name	Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Fach
311	Movab	le Bearing	1	0	1	0	0	Each

515	Steel Pr	otective Coating	5	4	1	0	0 Square Feet
Elemen Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet

General Comments

rocker bearing vertical

Beam 2 Intermediate Bearing

Movable Bearing

Span 6

	-							
	ment mber	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	2	0	0	2	0	Square Feet
Elemei Numbe	Defect Turne	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	bent 6 bearing exhibits pack rust [1/16in]			3	1		1 Each
311	Alignment	bearing is in contraction [5/8in]			2			1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section	loss		3	2		2 Square Feet
	General Comments							

Beam 3

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	327	3	0 Feet
515	Steel Protective Coating	3,420	2,694	0	726	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	at near end at bent 5, active corrosion with section loss, upper web [12in x up to 5in - 11/16in remaining]	3	1	1	Feet
107	Corrosion	in Span 9 lower web at far end, active corrosion [9in x 5in - avg remaining 11/16in]	3	1	1	Feet
107	Damage	9" x 9" x 1/2" deep spall and area of delamination on Span 7 face of Bent 6 diaphragm in Bay 2	3	1	1	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	326		Feet
107	Damage	4" x 1 1/2" x 1/2" deep spall on Span 8 face on Bent 7 diaphragm in Bay 2	2	1	1	Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	3	725	725	Square Feet

General Comments

top flange of interior diaphragm, active corrosion [section loss up to 50%]

Span 6

Beam 3 Near Bearing

Rocker Bearing

Elem 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	rotective Coating	5	0	0	5	0	Square Feet
lement lumber	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] a [section loss up to 1/16in]	nd corrosion with sec	tion loss	3	1		1 Each
311	Alignment	1/2" rotation to the South			2			1 Each
	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion a	and section loss		3	5	:	5 Square Feet

Span 6

Beam 3 Far Bearing

Rocker Bearing

	nent nber Movable	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	
515	Steel Pr	otective Coating	5	4	1	0	0	Square Feet
Elemen Numbe	Defect Turne	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	Peeling paint with rust			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1		1 Square Feet
-	General Comments							

rocker bearing vertical

Beam 3 Intermediate Bearing

Movable Bearing

Span 6

	0							
	ment mber	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	2	0	0	2	0	Square Feet
Elemer Numbe	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty	
311	Corrosion	bent 6 bearing exhibits pack rust [1/16in]			3	1		1 Each
311	Alignment	bearing is in contraction [5/8in]			2			1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and sec	tion loss		3	2	2	2 Square Feet
	General Comments							

Span 6

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	299	0	31 Feet
515	Steel Protective Coating	3,420	2,764	645	0	11 Square Feet
-						Malat

Elemen Numbe	Dofoot Typo	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] in Span 9 at far end, active corrosion, right side web at diaphragm [12in x 5in - avg remaining 1/2in]	4	1	1	Feet
107	Corrosion	[PAR] near end at bent 5, active corrosion with section loss, upper web at diaphragm: [14in x 6in - avg remaining 1/4in] with corrosion hole [1 1/2in x 1 1/2in]; lower web: [4ft x 8in - avg remaining 5/16in]; bottom flange: [40in x 6in - avg remaining 7/8in]	4	4	4	Feet
107	Corrosion	[PAR] upper web at diaphragm at bent 6, actice corrosion with section loss [30in x up to 12in - avg remaining 1/4in]; lower web [10ft x up to 7in - avg remaining 3/8in]	4	10	10	Feet
107	Corrosion	10' x 5" area of up to 5/8" section loss (7/8" remaining) on right side of bottom flange in Span 7 at Bent 6 (PAR)	4	10	10	Feet
107	Corrosion	8" x 3/16" loss of width on bottom flange in Span 6 at Bent 5 (PAR)	4	1	1	Feet
107	Corrosion	in Span 9 at far end, active corrosion, lower web [34in x 2in - avg remaining 11/16in]; bottom flange [32in x up to 6in - avg remaining 7/8in] (PAR)	4	3	3	Feet
107	Corrosion	over bent 8 upper web at diaphragm, active corrosion [24in x up to 3in - avg remaining 5/8in]; lower web [4ft x 2in - avg remaining 5/8in] (PAR)	4	2	2	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	299		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	11	11	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	645	645	Square Feet

General Comments

top flange of interior diaphragm, active corrosion [section loss up to 50%]

Beam 4 Near Bearing

Span 6

Rocker E	Bearing
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Elem Num	••••	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	0	1 E	Each
515	Steel Pr	otective Coating	5	0	0	5	0 5	Square Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
311	Connection	[PAR] West rocker bolt is missing			4	1	- 1	Each
311	Corrosion	bearing exhibits pack rust [1/8in] and [section loss up to 1/16in]	d corrosion with sect	ion loss	3		1	Each
311	Alignment	5/8" rotation to the South			2		1	Each
	Effectiveness (Steel Protective Coatings)	paint failure with actve corrosion and	d section loss		3	5	5	Square Feet
	Protective Coatings)							

General Comments

Spa	n 6			Beam 4 Far Beari	na					
•	ker Beari	ng								
	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 Pro	tective Coating		5	4	1	0	0	Square Feet
Elemer Numbe		t Type		Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion		Peeling paint with ru	ust			2	1	-	Each
515	Effectivenes Protective (Substantially effective	ve			2	1		1 Square Feet
	General Cor	nments								
	rocker b	pearing vert	ical							
Spa	n 6			Beam 4 Intermedi	ate Bear	ing				
Мо	vable Bear	ring								
Nu	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each

Steel Pr	otective Coating	2	0	0	2	0 \$	Square Feet
t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
Corrosion	bearing over bent 6 exhibits pack rust [1/8in]			3	1	- 1	Each
Alignment	bearing is in contraction [5/8in]			2		1	Each
Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section	loss		3	2	2	Square Feet
	t Defect Type Corrosion Alignment Effectiveness (Steel	Defect TypeDefect DescriptionCorrosionbearing over bent 6 exhibits pack rust [1/8in]Alignmentbearing is in contraction [5/8in]Effectiveness (Steelpaint failure with active corrosion and section	tDefect TypeDefect DescriptionCorrosionbearing over bent 6 exhibits pack rust [1/8in]Alignmentbearing is in contraction [5/8in]Effectiveness (Steelpaint failure with active corrosion and section loss	tDefect TypeDefect DescriptionCorrosionbearing over bent 6 exhibits pack rust [1/8in]Alignmentbearing is in contraction [5/8in]Effectiveness (Steelpaint failure with active corrosion and section loss	Defect TypeDefect DescriptionCSCorrosionbearing over bent 6 exhibits pack rust [1/8in]3Alignmentbearing is in contraction [5/8in]2Effectiveness (Steelpaint failure with active corrosion and section loss3	Defect TypeDefect DescriptionCSCS QtyCorrosionbearing over bent 6 exhibits pack rust [1/8in]31Alignmentbearing is in contraction [5/8in]2Effectiveness (Steelpaint failure with active corrosion and section loss32	tDefect DescriptionCSCS QtyMaint QtyCorrosionbearing over bent 6 exhibits pack rust [1/8in]311Alignmentbearing is in contraction [5/8in]21Effectiveness (Steelpaint failure with active corrosion and section loss322

General Comments

Beam 2 Intermediate Bearing

Movable Bearing

Span 6

	usie Dealing						
Elen Num	ber	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	2	1	1	0	0 Square Feet
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
Ī	General Comments						

Span 6

Beam 3 Intermediate Bearing

Movable Bearing

	3						
Elerr Num		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	2	1	1	0	0 Square Feet
Element Number		Defect Descri	otion		CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
ī	General Comments						

Span 6

Beam 4 Intermediate Bearing

Movable Bearing

ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Mova	ble Bearing	1	0	1	0	0 Each
Steel	Protective Coating	2	1	1	0	0 Square Feet
nt Defect Type	Defect Descr	ription		CS	CS Qty	Maint Qty
Corrosion	Peeling paint with rust			2	1	Each
```	,			2	1	1 Square Feet
n	hber Mova Steel t Defect Type Corrosion Effectiveness (Stee	Lement Name       Movable Bearing       Steel Protective Coating       t     Defect Type       Corrosion     Peeling paint with rust	Element Name     Qty       Movable Bearing     1       Steel Protective Coating     2       Defect Type     Defect Description       Corrosion     Peeling paint with rust       Effectiveness (Steel     Substantially effective	Imber     Element Name     Qty     Qty       Movable Bearing     1     0       Steel Protective Coating     2     1       t     Defect Type     Defect Description       Corrosion     Peeling paint with rust       Effectiveness (Steel     Substantially effective	Element Name     Qty     Qty     Qty     Qty       Movable Bearing     1     0     1       Steel Protective Coating     2     1     1       t     Defect Type     Defect Description     CS       Corrosion     Peeling paint with rust     2     2       Effectiveness (Steel     Substantially effective     2	Imber     Element Name     Qty     Qty     Qty     Qty     Qty       Movable Bearing     1     0     1     0       Steel Protective Coating     2     1     1     0       t     Defect Type     Defect Description     CS     CS Qty       Corrosion     Peeling paint with rust     2     1     1       Effectiveness (Steel     Substantially effective     2     1

**General Comments** 

### Span 7

#### Deck

#### **Reinforced Concrete Deck**

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	2,455	2,305	150	0	0	Square Feet
Elemen Numbe	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	12 square feet hairline transverse West overhang (East overhang s		cence in	2	24	24	4 Square Feet
12	Cracking (RC and Other)	42 square feet hairline transverse Bay 3 (Each Bay similar)	e cracks on bottom of	deck in	2	126	126	6 Square Feet
-	General Comments							

### Wearing Surface

### Asphalt Wearing Surface

Elen Num 510		Element Name Surface	Total Qty 2,310	<b>CS1</b> <b>Qty</b> 66	<b>CS2</b> <b>Qty</b> 816	<b>CS3</b> <b>Qty</b> 1,427	<b>CS4</b> Qty 1 S	quare Feet
Element Number	Dofact Type	Defect Description	on		CS	CS Qty	Maint Qty	
510	Patched Area/Pothole (Wearing Surface)	PAR: 12" DIAMETER X 2" DEEP POTI TOP OF DECK IN LEFT LANE AT 10' I FROM WHITE LINE			4	1	1	Square Feet
510	Crack (Wearing Surface)	asphalt over bent 6, multiple transver width x up to 1/4in]	se cracks [up	to full	3	26	26	Square Feet
510	Crack (Wearing Surface)	throughout span at random locations map cracking [up to 1/8in wide]	, multiple area	s of	3	200	200	Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse cracks [up to 15ft x up to 1/8in]	and longitudir	nal	3	1,200	1,200	Square Feet
510	Delamination/Spall (Wearing Surfaces)	[PAR] in LEFT travel lane, spall [9in x exposing the top of deck AT 6' FROM WHITE LINE	•		3	1	1	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(17) up to 12' x 4' area of sound patch	es		2	816		Square Feet

General Comments

### Span 7

### Left Bridge Rail

#### **Concrete Railing**

Element Number			Element Name	Total CS1 Qty Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331		Reinford	ed Concrete Bridge Railing	82	49	33	0	0 Feet	
Elemen Numbe		Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
331	Cra Oth	cking (RC and er)	(29) hairline transverse cracks on i	rail and curb		2	29	Feet	
331	Dela	amination/Spall	9" x 3" x 1/2" deep spall on curb at	Post 3		2	1	1 Feet	
331	Exp	oosed Rebar	(8) up to 4" x 5" x 3/4" deep spalls rail between Posts 4 and 6	with exposed rebar	on	2	3	3 Feet	

**General Comments** 

1' weathered concrete with exposed aggregate on rail at Post 6

### Span 7

### Right Bridge Rail

### **Concrete Railing**

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinford	ed Concrete Bridge Railing	82	45	37	0	0 Feet
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
331 Cra Oth	acking (RC and ner)	(27) hairline transverse cracks on	rail and curb		2	27	Feet
331 Del	amination/Spall	along length of rail, ten [10] spalls deep] exposing ten [10] exposed r section loss noted]			2	10	10 Feet

General Comments

#### Span 8

#### **Reinforced Concrete Deck**

Elerr Num	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12 Element		ced Concrete Deck	2,455	1,969	486	0	0 : Maint	Square Feet
Number	Defect Tune	Defect De	scription		CS	CS Qty	Qty	
12	Cracking (RC and Other)	150 square feet hairline longitud efflorescence on bottom of deck			2	450	450	Square Feet
12	Cracking (RC and Other)	18 square feet hairline transvers East overhang (West overhang s		ence in	2	36	36	Square Feet

**General Comments** 

#### Span 8

# Wearing Surface

Deck

# Asphalt Wearing Surface

	Element Name	Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Wearing S	furface	2,310	0	800	1,505	5 S	quare Feet
Defect Type	Defect Description			CS	CS Qty	Maint Qty	
(Wearing Surface)	lane near midspan: [12in diameter x up t travel lane 20ft from bent 8 [1.5ft x 1ft x 2	o 2in deep]	; in left	4	2	2	Square Feet
			POSED	4	3	3	Square Feet
Crack (Wearing Surface)	1/4" TRANSVERSE CRACKING OVER BE	ENT 7		3	26	26	Square Feet
		d longitudi	nal	3	1,388	1,400	Square Feet
		g asphalt v	vearing	3	1	1	Square Feet
Patched Area/Pothole (Wearing Surface)	(4) up to 10' x 5' area of unsound patches	S		3	90	90	Square Feet
Patched Area/Pothole (Wearing Surface)	(25) up to 15' x 4' area of sound patches			2	800		Square Feet
	Patched Area/Pothole Wearing Surface) Patched Area/Pothole Wearing Surface) Crack (Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole Wearing Surface) Patched Area/Pothole	Patched Area/Pothole       [PAR] in both travel lanes, two [2] potholane near midspan: [12in diameter x up t travel lane 20ft from bent 8 [1.5ft x 1ft x 2 exposing the top of deck         Patched Area/Pothole       PAR: 18" DIAMETER X 2" DEEP POTHOL Wearing Surface)         DECK IN LEFT LANE AT 25' FROM BENT Crack (Wearing 1/4" TRANSVERSE CRACKING OVER BESurface)         Crack (Wearing throughout Span, multiple transverse an cracks [up to 15ft x up to 1/8in]         Patched Area/Pothole (2) up to 6" x 3" x 2" deep area of missin surface near Bent 8         Patched Area/Pothole (4) up to 10' x 5' area of unsound patche Wearing Surface)         Patched Area/Pothole (25) up to 15' x 4' area of sound patches Wearing Surface)	Patched Area/Pothole [PAR] in both travel lanes, two [2] potholes in right lane near midspan: [12in diameter x up to 2in deep] travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] be exposing the top of deck Patched Area/Pothole PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EX Wearing Surface) DECK IN LEFT LANE AT 25' FROM BENT 7 Crack (Wearing 1/4" TRANSVERSE CRACKING OVER BENT 7 Surface) Crack (Wearing throughout Span, multiple transverse and longitudi Surface) cracks [up to 15ft x up to 1/8in] Patched Area/Pothole (2) up to 6" x 3" x 2" deep area of missing asphalt v Wearing Surface) surface near Bent 8 Patched Area/Pothole (4) up to 10' x 5' area of unsound patches Wearing Surface) Patched Area/Pothole (25) up to 15' x 4' area of sound patches Wearing Surface)	<ul> <li>Patched Area/Pothole [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck</li> <li>Patched Area/Pothole PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED Wearing Surface) DECK IN LEFT LANE AT 25' FROM BENT 7</li> <li>Crack (Wearing 1/4" TRANSVERSE CRACKING OVER BENT 7</li> <li>Crack (Wearing throughout Span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]</li> <li>Patched Area/Pothole (2) up to 6" x 3" x 2" deep area of missing asphalt wearing surface)</li> <li>Patched Area/Pothole (4) up to 10' x 5' area of unsound patches</li> <li>Wearing Surface)</li> <li>Patched Area/Pothole (25) up to 15' x 4' area of sound patches</li> <li>Wearing Surface)</li> </ul>	Patched Area/Pothole[PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck4Patched Area/PotholePAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 74Wearing Surface)DECK IN LEFT LANE AT 25' FROM BENT 73Crack (Wearing Surface)1/4" TRANSVERSE CRACKING OVER BENT 73Crack (Wearing Surface)throughout Span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]3Patched Area/Pothole(2) up to 6" x 3" x 2" deep area of missing asphalt wearing surface near Bent 83Patched Area/Pothole (4) up to 10' x 5' area of unsound patches3Wearing Surface)Patched Area/Pothole (25) up to 15' x 4' area of sound patches2Wearing Surface)Surface)2	Patched Area/Pothole[PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck42Patched Area/PotholePAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 743Crack (Wearing Surface)1/4" TRANSVERSE CRACKING OVER BENT 7326Crack (Wearing Surface)throughout Span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]31,388Patched Area/Pothole (2) up to 6" x 3" x 2" deep area of missing asphalt wearing surface)31Patched Area/Pothole Wearing Surface)(4) up to 10' x 5' area of unsound patches390Patched Area/Pothole (25) up to 15' x 4' area of sound patches2800	Defect TypeDefect DescriptionCSCSCSQtyPatched Area/Pothole[PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck422Patched Area/PotholePAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7433Crack (Wearing Surface)1/4" TRANSVERSE CRACKING OVER BENT 732626Crack (Wearing Surface)throughout Span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]31,3881,400Patched Area/Pothole Wearing Surface)(2) up to 6" x 3" x 2" deep area of missing asphalt wearing surface near Bent 8311Patched Area/Pothole Wearing Surface)(4) up to 10' x 5' area of unsound patches39090Patched Area/Pothole Wearing Surface)(25) up to 15' x 4' area of sound patches2800

# Span 8

# Left Bridge Rail

# **Concrete Railing**

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ced Concrete Bridge Railing	82	48	34	0	0 F	eet
lement lumber	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
331 Cra Oth	cking (RC and er)	(29) hairline transverse cracks on	rail and curb		2	29	-	Feet
331 Del	amination/Spall	along length of rail and curb, five   x 1/2in deep] exposing five [5] exp [no section loss noted]			2	5	5	Feet

**General Comments** 

7.5' weathered concrete with exposed aggregate on rail between Posts 4 and 5

#### Span 8

### **Concrete Railing**

Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinfor	ced Concrete Bridge Railing	82	52	30	0	0 Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty
	Cracking (RC and Other)	(30) hairline transverse cracks on	rail and curb		2	30	Feet

**Right Bridge Rail** 

**General Comments** 

# Span 9

Deck

#### **Reinforced Concrete Deck**

	<b>ment</b> <b>mber</b> Reinfor	Element Name ced Concrete Deck	Total Qty 2,455	<b>CS1</b> <b>Qty</b> 2,420	<b>CS2</b> Qty 33	<b>CS3</b> Qty 2	<b>CS4</b> Qty 0 S	quare Feet
Eleme Numbe	Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
12	Delamination/Spall	deck haunch at beam 1 over ber 12in x 1-1/4n deep] West one [1] section loss noted]	<i>'</i>		3	2	2	Square Feet
12	Cracking (RC and Other)	15 square feet hairline transverse East overhang (West overhang s		cence on	2	30	30	Square Feet
12	Delamination/Spall	deck haunch at beam 2 over ben	t 8, delamnation [16ir	n x 12in]	2	2	2	Square Feet
12	Exposed Rebar	(5) up to 7" x 3" x 1/2" deep spall bottom of deck in Bay 1	s with exposed rebar	on	2	1	1	Square Feet

**General Comments** 

# Span 9

# Wearing Surface

# Asphalt Wearing Surface

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing S	Surface	2,310	93	1,000	1,216	1 S	quare Feet
Element Number	Defect Type	Defect Description	I		CS	CS Qty	Maint Qty	
	Patched Area/Pothole (Wearing Surface)	[PAR] 13ft from bent 9 in West travel la diameter x 3in deep] exposing top of de		in	4	1	1	Square Feet
	Crack (Wearing Surface)	1/2" TRANSVERSE CRACKING OVER E	ENT 8		3	26	26	Square Feet
	Crack (Wearing Surface)	250 square feet up to 1/8" alligator crac	king		3	250	250	Square Feet
	Crack (Wearing Surface)	asphalt over bent 9, multiple transverse width x up to 1/4in]	e cracks [up to	o full	3	26	26	Square Feet
	Crack (Wearing Surface)	throughout span, multiple transverse a cracks [up to 15ft x up to 1/8in]	nd longitudin	al	3	900	900	Square Feet
	Patched Area/Pothole (Wearing Surface)	(8) up to 12" x 10" area of unsound pate	ches		3	8	8	Square Feet
		25ft from bent 10 in right travel lane, po x up to 1in deep]	othole [1.5ft di	ameter	3	3	3	Square Feet
		9ft from bent 9 in left travel lane, potho up to 2in deep]	le [1.5ft diame	eter x	3	3	3	Square Feet
510	Patched Area/Pothole (Wearing Surface)	throughout Span, (22) sound patches [	up to 18ft x 9f	t]	2	1,000		Square Feet

**General Comments** 

Structure Number: 130367

# Span 9

Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	82	57	25	0	0 Feet	
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
	Cracking (RC and Other)	(25) hairline transverse cracks on	rail and curb		2	25	Feet	

Left Bridge Rail

**General Comments** 

Spa	an 9		Right Bridge	Rail					
Со	ncrete	Railing							
	ement mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331		Reinford	ed Concrete Bridge Railing	82	51	31	0	0 Feet	
Elemei Numbe		efect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	
331	Cracki Other)	ng (RC and	(31) hairline transverse cracks on r	ail and curb		2	31	Feet	

**General Comments** 

# Span 10

Deck

#### **Reinforced Concrete Deck**

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfo	rced Concrete Deck	2,455	2,448	7	0	0 S	quare Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	5 square feet hairline transverse o End Bent 2	cracks in West lane,	16' from	2	5	5	Square Feet
12	Exposed Rebar	(3) up to 10" x 5" x 1" deep spalls lane, 26' from End Bent 2	with exposed rebar	in East	2	2	2	Square Feet
12	Cracking (RC and Other)	along length of underside of left a pipes, multiple transverse cracks	0 0	t drain	1	36		Square Feet

**General Comments** 

# Span 10

#### **Expansion Joint**

# **Compression Seal**

	nent nber Compre	Element Name ession Joint Seal	Total Qty 30	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 17	<b>CS3</b> Qty 13	CS4 Qty 0 Feet
Elemen Numbe	Dofact Type	Defect Descripti	ion		cs	CS Qty	Maint Qty
302	Adjacent Deck or Header	(2) up to 14" x 12" x 2" deep area of r wearing surface with exposed rebar (PAR)		:	3	4	4 Feet
302	Seal Adhesion	along length of joint, seal adhesion f 50%]	ailure [adhesion <	<	3	9	Feet
302	Adjacent Deck or Header	(2) up to 7' x 2' area of sound patche	s along Bent 9 joi	nt	2		Feet
302	Debris Impaction	Full length dirt and debris			2	5	Feet
302	Seal Adhesion	along length of joint, seal adhesion f 50%]	ailure [adhesion >	•	2	12	Feet

#### **General Comments**

# Span 10

Wearing Surface

# Asphalt Wearing Surface

Elen Nun	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing S	Surface	2,310	1,446	36	828	0 S	quare Feet
Elemen Numbei	Dofact Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
510		asphalt over end bent 2, multiple tra full width x up to 1/4in]	insverse crack	s [up to	3	26	26	Square Feet
510	、 <b>U</b>	throughout span, multiple transvers cracks [up to 15ft x up to 1/8in]	e and longitud	linal	3	800	800	Square Feet
510		(3) up to 8" x 6" x 1 1/2" deep area o wearing surface with exposed deck		alt	3	2	2	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) up to 9' x 2' area of sound patche	es		2	36		Square Feet
510	(Wearing Surface)	(2) up to 9'-6" x 4' x 2" deep area of I wearing surface with exposed rebar 2022 INSPECTION)			1	76		Square Feet

**General Comments** 

# Span 10

# Left Bridge Rail

#### **Concrete Railing**

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ed Concrete Bridge Railing	82	65	12	5	0 F	eet
lement lumber	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
	Cracking (RC and Other)	13" up to 1/16" diagonal crack on o	utside face of Po	ost 4	3	2	2	Feet
331	Delamination/Spall	10 1/2" x 15" x 4" deep spall on Pos	t 12		3	1	1	Feet
331	Exposed Rebar	14" x 17" x 9" deep spall with expos face of Post 5 (PAR)	sed rebar on out	side	3	2	2	Feet
	Cracking (RC and Other)	(2) hairline vertical and diagonal cra	acks on rail at Po	ost 5	2	2		Feet
	Cracking (RC and Other)	(8) hairline vertical and transverse	cracks in rail and	l curb	2	8		Feet
331	Delamination/Spall	8" x 3" x 1" deep spall on rail at Po	st 13		2	1	1	Feet
331	Delamination/Spall	9" x 4" x 1" deep spall on End Post			2	1	1	Feet

**General Comments** 

15' weathered concrete with exposed rebar on rail between Posts 5 and 8

# Span 10

### **Right Bridge Rail**

# **Concrete Railing**

	nent nber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331		Reinford	ed Concrete Bridge Railing	82	62	18	2	0	Feet
Elemen Numbe		Defect Type	Defect Description			CS	CS Qty	Maint Qty	
331	Dela	amination/Spall	1" x 7" x 4" deep spall on Post 12			3	1	- 1	Feet
331	Dela	amination/Spall	1" x 9" x 7" deep spall on Post 13			3	1	1	Feet
331	Crac Othe	cking (RC and er)	(14) hairline transverse cracks in rail an	d curb		2	14		Feet

#### 331 Exposed Rebar

along length of rail and curb, four [4] spalls [up to 6in x 2in x 1/2in deep] exposing four [4] exposed rusted reinforcing [no section loss noted]

Inspection Date: 04/28/2022

4 Feet

4

2

Span 1	0	Beam 1						
Plate G		200111						
Element Number 107	-	Element Name en Girder/Beam	Total Qty 82	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 78	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 4	Feet
515	Steel Pro	otective Coating	965	741	220	0	4	Square Feet
Element Number	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	
<b>107</b> Co	rrosion	[PAR] at near end, active corrosion wi at diaphragm: [13in x 13in - avg remai hole [3in x 3in]; lower web: [4ft x 2in - bottom flange: [12in x full width - avg r	ining 3/16in] with avg remaining 7/	corrosion	4	4	4	Feet
<b>107</b> Co	rrosion	Full length peeling paint with rust and flanges and web	surface rust on b	oth	2	78		Feet
	ectiveness (Steel otective Coatings)	Failed			4	4	4	Square Feet
	ectiveness (Steel otective Coatings)	Substantially effective			2	220	220	Square Feet
Gen	eral Comments							

# Span 10

# Beam 1 Near Bearing

#### **Movable Bearing**

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	active surface corrosion with section loss	[up to 3/16in]		3	1		1 Each
515	Effectiveness (Steel paint failure with active corrosion with section loss Protective Coatings)			3	2	:	2 Square Feet	
	Protective Coatings)							

Spa	Span 10		r Bearing					
Fixe	ed Bearing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	ed Bearing	1	0	1	0	0	Each
515	Stee	el Protective Coating	2	0	2	0	0	Square Feet
Elemen Numbe	Dofact Type	e Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	active surface corrosion [no sec	tion loss noted]		2	1	-	Each
515	515 Effectiveness (Steel paint failure with a Protective Coatings) noted]		corrosion [no section	on loss	2	2		2 Square Feet
-	General Comment	ts						

Structure Number: 130367

Span 10

## **Plate Girder**

	nent nber Steel Op	Element Name ben Girder/Beam	Total Qty 82	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 79	<b>CS3</b> Qty 2	CS4 Qty 1 F	Feet
515	Steel Pr	Steel Protective Coating		864	100	0	1 \$	Square Feet
Elemen Numbe	Dofact Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
107	Corrosion	at near end, active corrosion: bottom flange [8in x full width - avg remaining 1in] (PAR)			4	1	1	Feet
107	Damage	17" x 11" x 4" deep spall on Bent 4 c	diaphragm in Bay 2		3	2	2	Feet
107	Corrosion	Full length peeling paint with rust an flanges and web	d surface rust on b	oth	2	79		Feet
515	Effectiveness (Steel Protective Coatings)	Failed			4	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings) General Comments	Substantially effective			2	100	100	Square Feet

Spa	in 10	Beam 2	Near Bearing					
Μον	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemer Numbe	Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
311	Corrosion	active surface corrosion with s	section loss [up to 3/16in]		3	1		1 Each
515	515 Effectiveness (Steel paint failure with act Protective Coatings)		ion with section loss		3	2		2 Square Feet

General Comments

Span 10

#### Beam 3

Substantially effective

Plate Girder

	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	82	0	80	0	2	Feet
515	Steel	Protective Coating	965	818	145	0	2	Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosio bearing: [23in x up to full height - flange: [14in x full width - avg rem	avg remaining 1/2in];		4	2		2 Feet
107	Corrosion	Full length peeling paint with rust flanges and web	and surface rust on b	oth	2	80		Feet
515	Effectiveness (Steel Protective Coatings)				4	2		2 Square Feet

2

145

145 Square Feet

515 Effectiveness (Steel Protective Coatings) General Comments

### Span 10

Movable	Bearing
---------	---------

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Numbe	Defect Tune	Defect Descr	iption		CS	CS Qty	Maint Qty	
311	Corrosion	active surface corrosion with section	loss [up to 3/16in]		3	1		1 Each
515	515 Effectiveness (Steel paint failure with active corrosion with se Protective Coatings)		h section loss		3	2		2 Square Feet
-	General Comments							

General Comments

# Span 10

Beam 4

#### **Plate Girder** CS4 CS2 Element Total CS1 CS3 Number **Element Name** Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 78 2 2 Feet 82 0 515 Steel Protective Coating 965 803 160 0 2 Square Feet Element Maint CS Qty Defect Type **Defect Description** CS Number Qtv

numbe		•		•	QUY	
107	Corrosion	[PAR] at near end, active corrosion with section loss, upper web at diaphragm: [12in x 1in - avg remaining 1/4in]; lower web: [19in x 3in - avg remaining 7/16in]; bottom flange: [20in x 5in - avg remaining 7/8in]	4	2	2	Feet
107	Damage	17" x 11" x 4" deep spall on Bent 4 diaphragm in Bay 3	3	2	2	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	78		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	160	160	Square Feet
	General Comments					

Span 10

# **Beam 4 Near Bearing**

Movable Bearing

	U						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movabl	e Bearing	1	0	0	1	0 Each
515	Steel P	rotective Coating	2	0	0	2	0 Square Feet
Elemer Numbe	Defect Tune	Defect Descri	ption		CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion with section	loss [up to 3/16in]		3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion with	n section loss		3	2	2 Square Feet
	General Comments						

#### Span 10

	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	1	0	0	Each
515	Steel Pro	tective Coating	2	0	2	0	0	Square Feet
Elemen Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
313	Corrosion	active surface corrosion [no section I	oss noted]		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corro noted]	sion [no section	on loss	2	2		2 Square Feet
-	General Comments							

General Comments

### Bent 1

Bent 1

Bent 1

Pile 1

### Reinforced Concrete Column

Elem Num 205	ber	Element Name ced Concrete Column	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Each
Element Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28 TO SURFACE CONCRETE FROM MUDLINE.			2	1	Each
	Cracking (RC and Other)	6' x 3' area of hairline vertical and efflorescence on East face (West		with	2		Each
205	Cracking (RC and Other)	6' x 4' area of hairline vertical and h efflorescence on Span 2 face (Spar		1	2		Each

**General Comments** 

# Cap 1

# **Reinforced Concrete Pier Cap**

	ced Concrete Pier Cap	28	23	3	2	0 Feet
				-	2	0 1001
Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty
Delamination/Spall	22" x 33" x 1" deep spall and area of de face under Beam 3	elamination on Spa	an 1	3	2	2 Feet
Cracking (RC and Other)			th	2	2	Feet
Delamination/Spall	(6) up to 2" x 3" x 1/2" deep spalls on S	6pan 2 face under I	Bay 1	2	1	1 Feet
	Delamination/Spall Cracking (RC and Other)	Delamination/Spall22" x 33" x 1" deep spall and area of de face under Beam 3Cracking (RC and Other)18" x 48" area of hairline horizontal and efflorescence on Span 2 face under Ba Delamination/Spall(6) up to 2" x 3" x 1/2" deep spalls on S	Delamination/Spall22" x 33" x 1" deep spall and area of delamination on Spatace under Beam 3Cracking (RC and Other)18" x 48" area of hairline horizontal and vertical cracks will efflorescence on Span 2 face under Bay 1Delamination/Spall(6) up to 2" x 3" x 1/2" deep spalls on Span 2 face under label	Delamination/Spall       22" x 33" x 1" deep spall and area of delamination on Span 1 face under Beam 3         Cracking (RC and Dther)       18" x 48" area of hairline horizontal and vertical cracks with efflorescence on Span 2 face under Bay 1	Delamination/Spall22" x 33" x 1" deep spall and area of delamination on Span 1 face under Beam 33Cracking (RC and Other)18" x 48" area of hairline horizontal and vertical cracks with efflorescence on Span 2 face under Bay 12	Delamination/Spall22" x 33" x 1" deep spall and area of delamination on Span 132Cracking (RC and Other)18" x 48" area of hairline horizontal and vertical cracks with efflorescence on Span 2 face under Bay 12

**General Comments** 

### Cap 1

# **Reinforced Concrete Pier Cap**

Elemen Numbe 234	r	Element Name ced Concrete Pier Cap	Total Qty 36	<b>CS1</b> Qty 19	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 17	<b>CS4</b> Qty 0	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
	acking (RC and her)	60" x 9" x 1" deep spall and area of delar long up to 1/16" horizontal crack	nination wi	th 7'	3	7	-	7 Feet

234

along length of cap below Bay 1, horizontal crack [up to 10ft x up to 1/16in] with 48" x 8" area of delamination

Inspection Date: 04/28/2022

10 10 Feet

Cracking (RC and Other) General Comments

Ben	t 2	Pile 1						
Rein	forced Concrete	Column						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ed Concrete Column	1	0	1	0	0 Each	
Element Number	Dofact Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-2: TO SURFACE CONCRETE FROM MUDLINE.			2	1	Each	
205	Cracking (RC and Other)	8' x 2' area of hairline vertical and h face	norizontal cracks on V	Vest	2		Each	
0	General Comments							

# Bent 2

Cap 1

#### **Reinforced Concrete Pier Cap**

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	28	9	12	7	0 F	eet
Elemen Numbei	Dofact Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	36" x 30" area of up to 1/16" vertica West face	l and horizontal crac	ks on	3	3	3	Feet
234	Exposed Rebar	42" x 32" x 2" deep spall with exposed rebar and area of delamination with up to 1/8" vertical and horizontal cracks on Span 2 face at West end			3	4	4	Feet
234	Cracking (RC and Other)		(3) up to 1' x 1' area of hairline horizontal and vertical cracks with efflorescence and rust stains on Span 3 face under Bay 2			3		Feet
234	Cracking (RC and Other)	26" x 9" area of delamination with 5 vertical and horizontal cracks on Sp			2	5		Feet
234	Damage	20" x 11" area of weathered conc aggregate on Span 3 face under I			2	2	2	Feet
234	Delamination/Spall	14" x 15" area of delamination on S	pan 2 face under Ba	av 2	2	2	2	Feet

**General Comments** 

#### Bent 2

Abutment

#### **Reinforced Concrete Abutment**

Elem Num	••••	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinfor	ced Concrete Abutment	45	24	21	0	0 Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty
	Cracking (RC and Other)	7' hairline horizontal cracks in Ba	y 1 (Bays 2 and 3 s	similar)	2	21	Feet
-	Commonte						

**General Comments** 

1

3

Structure Number: 130367

Bent 2

#### Reinforced Concrete Pier Cap

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	36	25	0	11	0 Feet	
Elemen Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	11' up to 1/16" horizontal cracks	s under Bays 2 and 3		3	11	11 Feet	

#### **General Comments**

Vegetation growth at West end (East end similar)

#### Bent 3 Pile 1 **Reinforced Concrete Column** Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty 205 **Reinforced Concrete Column** 0 1 0 0 Each 1 Element Maint **Defect Type Defect Description** CS CS Qty Number Qty 205 Abrasion/Wear UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS 2 Each 1 TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO (PSC/RC) MUDLINE.

General Comments

#### Bent 3

#### Cap 1

Cap 1

#### **Reinforced Concrete Pier Cap**

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinfor	ced Concrete Pier Cap	28	20	2	6	0 Feet
Eleme Numbe	Dofoot Typo	Defect Des	cription		CS	CS Qty	Maint Qty
234	Exposed Rebar	2' x 10" x 2 1/2" deep spall with ex delamination on Span 3 face under		of	3	2	2 Feet
234	Exposed Rebar	North face of bent in Bay 3, delam 6in deep] with exposed steel (PAR		x up to	3	4	4 Feet
234	Cracking (RC and Other)	12" x 7" area of delamination with horizontal and vertical cracks on S under Bay 3		-	2	2	Feet

**General Comments** 

#### Bent 4

#### Pile 1

#### **Reinforced Concrete Column**

Element Number		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 Type	De	fect Description		CS	CS Qty	Maint Qty	
205 Abra (PSC	sion/Wear /RC)		TION 9-28-2021- UP TO A 1 TE FROM 1' ABOVE WATER		2	1	-	Each
205 Expo	sed Rebar	3" x 7" x 1/2" deep spall	vith exposed rebar on Span 5	face	2			1 Each

**General Comments** 

Structure Number: 130367

Bent 4

## **Reinforced Concrete Pier Cap**

	ment nber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234		Reinfor	ced Concrete Pier Cap	28	24	4	0	0 Feet
Elemen Numbe		Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty
234	Crack Other	king (RC and	(4) hairline vertical cracks on Span s	5 face (Span 4 face	similar)	2	4	Feet

**General Comments** 

# Bent 5

Pile 1

Cap 1

#### **Reinforced 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 Desc	ription		CS	CS Qty	Maint Qty
	Cracking (RC and Other)	32" up to 1/16" vertical crack on	Span 6 face		3	1	3 Each
	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-24 TO SURFACE CONCRETE FROM MUDLINE.			2		Each

**General Comments** 

#### Bent 5 Cap 1 **Reinforced Concrete Pier Cap** Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 234 Reinforced Concrete Pier Cap 27 0 Feet 28 1 0 Element Maint **Defect Description** Defect Type CS CS Qty Number Qty 234 Exposed Rebar 1" x 5" x 1/2" deep spall with exposed rebar on Span 5 face 2 1 1 Feet under Beam 2

**General Comments** 

Bent 6

#### Pile 1

#### **Reinforced Concrete Column**

Elen Num 205	nber	Element Name ced Concrete Column	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 1	<b>CS4</b> Qty 0	Each
Element Number	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	2' x 2' area of delamination with up to 1/ horizontal cracks on Southwest corner	/16" vertical and		3	1	2	2 Each
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-202 TO SURFACE CONCRETE FROM 1' A MUDLINE.			2			Each
205	Cracking (RC and Other)	<ul><li>(4) up to 12' hairline vertical cracks on S similar)</li></ul>	Span 7 face (Spa	an 6 face	2			Each
205	Cracking (RC and Other)	7' x 3' area of hairline vertical and horize face	ontal cracks on I	East	2			Each
205	Delamination/Spall	9" x 18" area of delamination on Northw	est corner		2			I Each

#### General Comments

Ber	nt 6	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	28	9	16	3	0 Feet	
Elemer Numbe	Dofact Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	South face of cap below Bay 2, del extends [10in] on top face of cap w	•	-	3	3	3 Feet	
234	Cracking (RC and Other)	3' hairline horizontal crack under Ba	ay 2		2	3	Feet	
234	Cracking (RC and Other)	along length of both faces of cap, n 30in x 0.012in] most extend to top f		s [up to	2	13	Feet	
	General Comments	· · · · · · · · · · · · · · · · · · ·						

#### Bent 7

Pile 1

#### **Reinforced Concrete Column**

	<b>ment</b> nber Reinfor	Element Name ced Concrete Column	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each
Elemer Numbe	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2 TO SURFACE CONCRETE FROM 1' MUDLINE.			2	1	Each
205	Cracking (RC and Other)	(3) up to 5' hairline vertical cracks on	Span 7 face		2		Each
205	Cracking (RC and Other)	8' hairline vertical crack on West face			2		Each
205	Delamination/Spall	5" x 2" x 1" deep spall on West face			2		1 Each

#### **General Comments**

Bent 7

#### Bent 7

Cap 1

# **Reinforced Concrete Pier Cap**

	<b>nent</b> nber Reinfor	Element Name ced Concrete Pier Cap	Total Qty 28	<b>CS1</b> <b>Qty</b> 21	CS2 Qty 7	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
Elemen Numbe	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	(7) hairline vertical cracks on Span 8 fac	ce (Span 7 face s	similar)	2	7	Feet	
-	General Comments							

BENT 7

#### Bent 8

Pile 1

#### **Reinforced Concrete Column**

Element Number 205	Element Name Reinforced Concrete Column		Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

205 Abrasion/Wear (PSC/RC) UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE. Inspection Date: 04/28/2022

Each

1

2

General Comments

# Bent 8

Cap 1

# Reinforced Concrete Pier Cap

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinfor	ced Concrete Pier Cap	28	18	9	1	0 Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
234	Exposed Rebar	12" x 7" x 1" deep spall with expos	ed rebar on East face	•	3	1	1 Feet
	Cracking (RC and Other)	along North and South face, multip 0.012in] most wrap around to top f		to 2ft x	2	8	Feet
234	Exposed Rebar	3" x 4" x 1/2" deep spall with expo under Bay 3	sed rebar on Span 8 f	ace	2	1	1 Feet

**General Comments** 

Ben	t 9	Pile 1							
Reir	forced Concrete	Column							
Elen Nun	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
205	Reinfor	ced Concrete Column	1	0	1	0	0	Each	
Elemen Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty		
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-2 TO SURFACE CONCRETE FROM MUDLINE.			2	1		Each	

**General Comments** 

#### Bent 9

Cap 1

# **Reinforced Concrete Pier Cap**

Element		Total	CS1	CS2	CS3	CS4
Number	Element Name	Qty	Qty	Qty	Qty	Qty
234	Reinforced Concrete Pier Cap	28	0	27	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Efflorescence/Rust Staining	West face of cap, delamination/spall [18in x 18in x up to 3/4in deep] with rust stain	3	1	1	Feet
234	Cracking (RC and Other)	(3) up to 2' x 2' areas of hairline map cracking on Span 9 face	2	6		Feet
234	Cracking (RC and Other)	18" x 4" area of delamination with 3' hairline horizontal cracks on Span 9 face of beam step-up under Bay 3	2	3		Feet
234	Cracking (RC and Other)	along length of North face eight [8] vertical cracks [up to 6ft high x 1/32in] with rust stains, most wrap around to top face	2	8		Feet
234	Exposed Rebar	5" x 2" x 1/2" deep spall with exposed rebar on Span 10 face under Bay 3	2	1	1	Feet
234	Exposed Rebar	North face at West end, spall with exposed rebar and area of delamination [32in x 20in x 1- 3/4in deep] with two [2] exposed vertical rebar	2	3	3	Feet
234	Exposed Rebar	North face under beam 2, spall with exposed rebar and area of delamination [34in x 32in x 1-1/2in deep]	2	3	3	Feet
234	Exposed Rebar	South face at beam 3, spall with exposed rebar [27in x 21in x up to 2in deep] with one [1] exposed vertical rebar	2	3	3	Feet

**General Comments** 

Structure Number: 130367

# **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2455
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 1	Beam 1 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Beam 2 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Beam 3 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Beam 4 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 2	Expansion Joint	Compression Seal	Compression Joint Seal	30
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 6	Expansion Joint	Compression Seal	Compression Joint Seal	30
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 7	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 7	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 7	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 8	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 8	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 8	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 9	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 9	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 9	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 10	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 10	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 10	Expansion Joint	Compression Seal	Compression Joint Seal	30
Span 10	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 10	Beam 1 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 10	Beam 2 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 10	Beam 3 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 10	Beam 4 Far Bearing	Fixed Bearing	Fixed Bearing	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36

# **Elements Verfied**

Location	Name	Component	Element Name	Amount
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45

# **General Inspection Notes**

Bent 1	Footing			
9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.				
Bent 2	Footing			
9-28-2021 UNDERWA	TER- FOOTING IS NOT EXPOSED AT THIS TIME.			
Bent 3	Footing			
9-28-2021 UNDERWA	TER- FOOTING IS NOT EXPOSED AT THIS TIME.			
Bent 4	Footing			
9-28-2021 UNDERWA	TER- FOOTING IS NOT EXPOSED AT THIS TIME.			
Bent 5	Footing			
9-28-2021 UNDERWA	TER- FOOTING IS NOT EXPOSED AT THIS TIME.			
Bent 6	Footing			
9-28-2021 UNDERWA	TER- FOOTING IS NOT EXPOSED AT THIS TIME.			
Bent 7	Footing			
9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.				
Bent 8	Footing			
9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.				
Bent 9	Footing			
9-28-2021 UNDERWA	TER- FOOTING IS NOT EXPOSED AT THIS TIME.			

# **National Bridge and NC Inspection Items**

Structure Number: 130367

Inspection Date: 04/28/2022

#### National Bridge Inventory Items

	Grade	Grade Scale	Item
Note:	4	0 - 9 , N	Item 58: Deck
ltems 5 - inspecti - For ove see cov	4	0 - 9 , N	Item 59: Superstructure
	5	0 - 9 , N	Item 60: Substructure
	7	0 - 9 , N	Item 61: Channel and Channel Protection
	N	0 - 9 , N	Item 62: Culvert
	7	0 - 9 , N	Item 71: Waterway Adequacy
	8	0 - 9 , N	Item 72: Approach Roadway Alignment
,			

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	G		
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	F		
Superstructure Paint Code		Α		

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

#### **Inspection Information**

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	6
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	Y
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	

# National Bridge and NC SMU Inspection Item Details

Structure Num	ber: 130367			Inspection Date: 04/28/2022
Item	Response to live load	Grade F	Maint Code	<b>Qty.</b> 0
Details	B DEFLECTIONS UNDER HEAVY TRAFFIC LOADS			
ltem	General Comments and Misc Items	Grade	Maint Code	<b>Qty.</b> 0
Details	PARTIAL INSPECTION CURRENT REHAB CONSTRUCTION WILL NEED A SUPPLEMENTAL INSPECTION TO U AND SUBSTRUCTURE AND TO GET A STREAMBE		O FULLY INSPECT 1	THE SUPERSTRUCTURE

Date: 04/28/2022

**Condition Photos** 



Bent 2 Abutment: 7' hairline horizontal cracks in Bay 1 (Bays 2 and 3 similar)



Bent 2 Cap 1: 11' up to 1/16" horizontal cracks under Bays 2 and 3

Date: 04/28/2022



Bent 9 Cap 1: North face at West end, spall with exposed rebar and area of delamination [32in x 20in x 1- 3/4in deep] with two [2] exposed vertical rebar



Bent 9 Cap 1: North face under beam 2, spall with exposed rebar and area of delamination [34in x 32in x 1-1/2in deep]

Date: 04/28/2022

#### **Condition Photos**



Span 10 Wearing Surface: asphalt over end bent 2, multiple transverse cracks [up to full width x up to 1/4in]



Span 10 Wearing Surface: (2) up to 9'-6" x 4' x 2" deep area of missing asphalt wearing surface with exposed rebar (PATCHED PRIOR TO 2022 INSPECTION)

Date: 04/28/2022

**Condition Photos** 



Span 10 Wearing Surface: (2) up to 9'-6" x 4' x 2" deep area of missing asphalt wearing surface with exposed rebar (PATCHED PRIOR TO 2022 INSPECTION)



Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)

Date: 04/28/2022

**Condition Photos** 



Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)



Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)

Date: 04/28/2022

**Condition Photos** 



Span 10 Expansion Joint: (2) up to 14" x 12" x 2" deep area of missing asphalt wearing surface with exposed rebar along Bent 9 joint (PAR)



Span 10 Expansion Joint: (2) up to 14" x 12" x 2" deep area of missing asphalt wearing surface with exposed rebar along Bent 9 joint (PAR)

Structure: 130367

County: CALDWELL

Date: 04/28/2022

**Condition Photos** 



Span 9 Wearing Surface: throughout Span, (22) sound patches [up to 18ft x 9ft]



Span 9 Wearing Surface: 1/2" TRANSVERSE CRACKING OVER BENT 8

Structure: 130367

County: CALDWELL

Date: 04/28/2022

**Condition Photos** 



Span 8 Wearing Surface: (25) up to 15' x 4' area of sound patches



Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7

Date: 04/28/2022

#### **Condition Photos**



Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck



Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck

Structure: 130367

County: CALDWELL

Date: 04/28/2022

**Condition Photos** 



Span 8 Wearing Surface: 1/4" TRANSVERSE CRACKING OVER BENT 7



Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE

Date: 04/28/2022

**Condition Photos** 



Span 7 Wearing Surface: [PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE



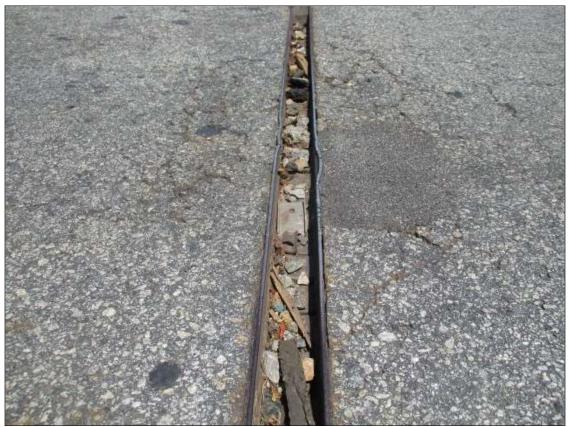
Span 7 Wearing Surface: asphalt over bent 6, multiple transverse cracks [up to full width x up to 1/4in]

Date: 04/28/2022

**Condition Photos** 



Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE



Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES

Date: 04/28/2022

#### **Condition Photos**



Span 5 Wearing Surface: asphalt over bent 4, multiple transverse cracks [up to full width x up to 1/4in]



Span 4 Wearing Surface: asphalt over bent 3, multiple transverse cracks [up to full width x up to 1/4in]

Date: 04/28/2022

#### **Condition Photos**



Span 3 Wearing Surface: asphalt over bent 2, multiple transverse cracks [up to full width x up to 1/4in]



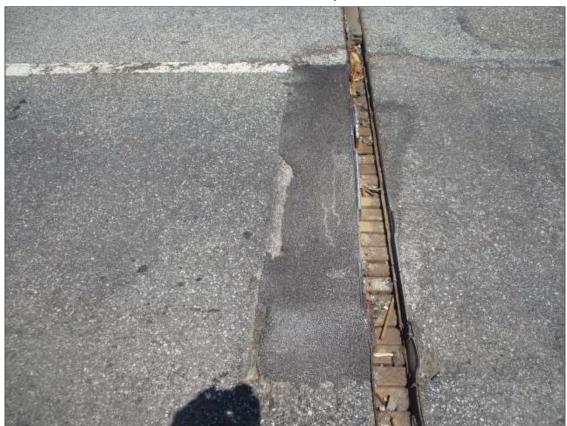
Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp

Date: 04/28/2022

#### **Condition Photos**



Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp



Span 2 Wearing Surface: in right travel lane near bent 1, sound patch [4ft x 2ft]

Date: 04/28/2022

**Condition Photos** 



Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE



Span 1 Wearing Surface: asphalt over end bent 1 joint, alligator cracking [up to full width x up to 1/8in]

Date: 04/28/2022

**Condition Photos** 



Bent 1 Cap 1: along length of cap below Bay 1, horizontal crack [up to 10ft x up to 1/16in] with 48" x 8" area of delamination



Bent 1 Cap 1: 22" x 33" x 1" deep spall and area of delamination on Span 1 face under Beam 3

Date: 04/28/2022

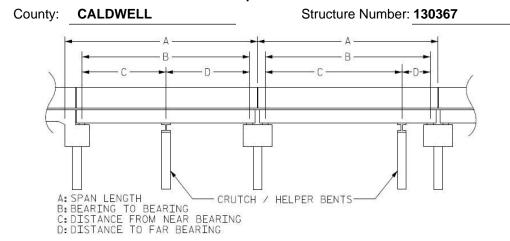
#### **Condition Photos**



Bent 9 Cap 1: South face at beam 3, spall with exposed rebar [27in x 21in x up to 2in deep] with one [1] exposed vertical rebar

## Structure Data Worksheet

Span Profile



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	82.500	81.000			
2	82.500	81.000			
3	82.500	81.000			
4	82.500	81.000			
5	82.500	81.000			
6	82.500	81.000			
7	82.500	81.000			
8	82.500	81.000			
9	82.500	81.000			
10	82.500	81.000			

Date: 04/28/2022 Structure Photos



TYPICAL WINGWALL



UTILITIES IN LEFT OVERHANG

County: CALDWELL

Date: 04/28/2022

Structure Photos



END BENT 2

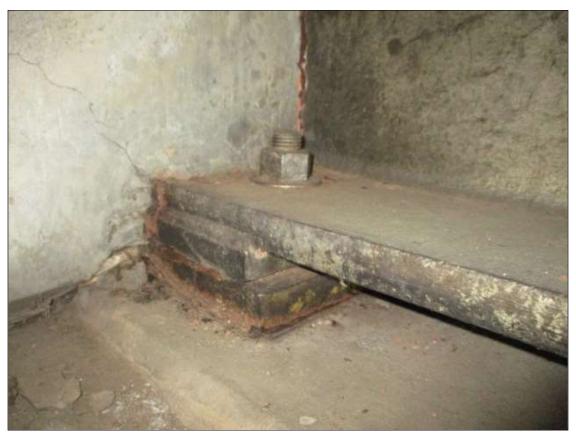


TYPICAL INTERMEDIATE DIAPHRAGM

County: CALDWELL

Date: 04/28/2022

Structure Photos



END BENT BEARING



UTILITY IN RIGHT OVERHANG

Date: 04/28/2022

#### Structure Photos



TYPICAL INTERIOR BENT



TYPICAL UNDERSIDE

County: CALDWELL

Date: 04/28/2022

Structure Photos



TYPICAL UNDERDECK



TYPICAL GUARDRAIL END TREATMENT



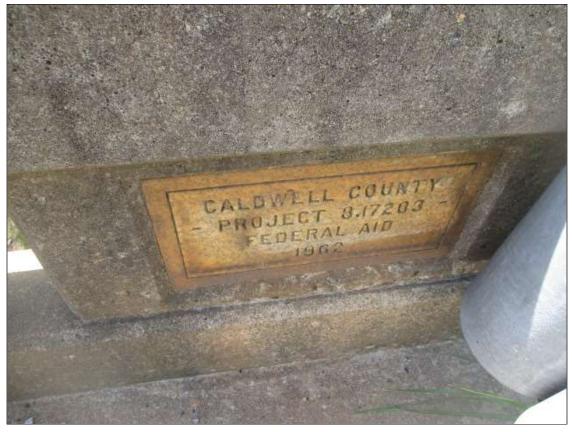
TYPICAL APPROACH GUARDRAIL POST SPACING



NORTH APPROACH

Date: 04/28/2022

Structure Photos



#### BRIDGE PLAQUE



LOOKING NORTH FROM BRIDGE

Date: 04/28/2022

#### Structure Photos



JOINT OVER BENT 9



TYPICAL RAIL

County: CALDWELL

Date: 04/28/2022

Structure Photos



LOOKING WEST UPSTREAM



LOOKING EAST DOWNSTREAM

County: CALDWELL

Date: 04/28/2022

Structure Photos



JOINT OVER BENT 5



JOINT OVER BENT 1

Date: 04/28/2022

Structure Photos



LOOKING SOUTH FROM BRIDGE



TYPICAL GUARDRAIL CONNECTION

County: CALDWELL

Date: 04/28/2022

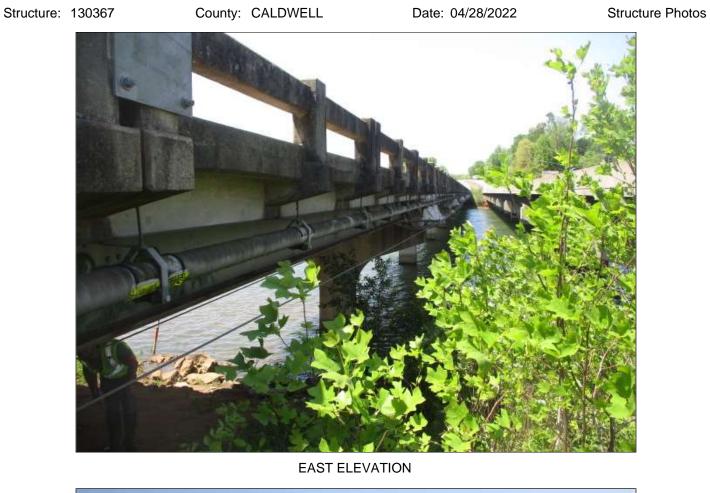
Structure Photos



SOUTH APPROACH



END BENT 1





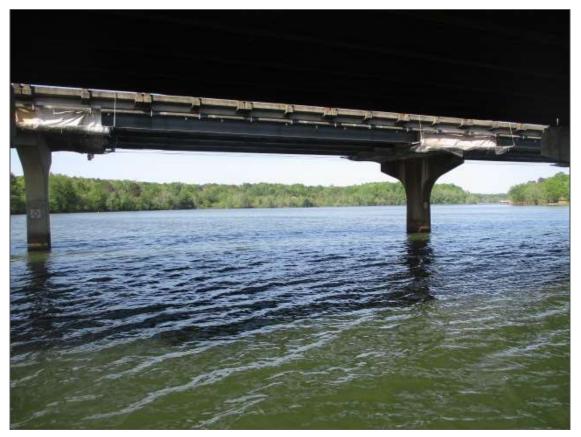
WEST ELEVATION

Date: 04/28/2022

#### Structure Photos



DANGER SIGNS ON EVERY BENT PILE



LOOKING WEST UPSTREAM UNDER BRIDGE

Bridge: 130367

County CALDWELL

Date:

	These Repairs	Should Be Mad	le Within Twelve	These Repairs Should Be Made Within Twelve Months From Date Of This Inspection							
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost						
3310	Maintenance/Re pair/Replacemen t of Standard Bridge Expansion Joints	LF	3	Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp							
戦 2816	Asphalt Surface Repair or Replacement	SY	1	Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE							
戦 2816	Asphalt Surface Repair or Replacement	SY	1	Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE							
戦 2816	Asphalt Surface Repair or Replacement	SY	1	Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE							
🔌 2816	Asphalt Surface Repair or Replacement	SY	1	Span 7 Wearing Surface: [PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE							
🔌 2816	Asphalt Surface Repair or Replacement	SY	3	Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7							
<b>%</b> 2816	Asphalt Surface Repair or Replacement	SY	2	Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck							
🔌 2816	Asphalt Surface Repair or Replacement	SY	1	Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck							
🔌 2816	Asphalt Surface Repair or Replacement	SY	2	Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)							
<b>%</b> 3310	Maintenance/Re pair/Replacemen t of Standard Bridge Expansion Joints	LF	16	Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES							

Key

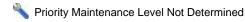
Bridge: 130367

County CALDWELL

Date:

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
👋 3318	Maint to Concrete Handrail	LF	2	Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)	



Bridge: 130367 Co

County CALDWELL

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

MMS Code	MN	VS Descrip	otion	Quantity			
3310	Mai	ntenance/I	Repair/Replacement of Standard B	Bridge Expansion Joints 3 LF			
Location:							
			Bent/Span No.				
Priority Leve	əl		Status				
Critical Find	ing		Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
04/28/2022		J. W. D(	OBBINS				
Details							
Span 2 Expa angle distori			R] in right travel lane near dashed	line, seal completely missing and ad	jacent metal	I	

MMS Code	MN	MMS Description Quantity							
2816	Asp	halt Surfac	ce Repair or Replacement	Repair or Replacement 1 SY					
Location:									
			Bent/Span No.						
Priority Level			Status						
Priority Main	itenan	се	Division Bridge Maintenance Notification						
Submitted D	ate:	Submitte	d By:	Assisted By:					
04/28/2022		J. W. D0	OBBINS						
Details									
			NR: 8" DIAMETER X 2" DEEP POT ENT 1 AND 4' FROM WHITE LINE	HOLE WITH EXPOSED TOP OF DE	CK IN LEFT	Γ			

Bridge: 130367

County CALDWELL

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

MMS Code	MN	/IS Descrip	otion		Quantity		
2816	Aspl	halt Surfac	ce Repair or Replacement		1	SY	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Main	ntenan [,]	се	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
04/28/2022		J. W. D(	OBBINS				
Details							
			AR: 8" DIAMETER X 2" DEEP POT 5 AND 2' FROM CENTERLINE	HOLE WITH EXPOSED TOP OF DE	CK IN LEFT	Г	

MMS Code	MN	/IS Descrip	S Description Quantity				
2816	Asp	halt Surfac	ce Repair or Replacement 1 S				
Location:	Location:						
Bent/Span No.							
Priority Level			Status				
Priority Main	tenan	се	Division Bridge Maintenance Notification				
Submitted Da	ate:	Submitte	d By:	Assisted By:			
04/28/2022		J. W. D0	OBBINS				
Details							
	Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE						

Bridge: 130367

County CALDWELL

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

MMS Code	MM	IS Descrip	otion	on Quantity			
2816	Asph	alt Surfac	Repair or Replacement 1 S				
Location:							
	Bent/Span No.						
Priority Level			Status				
Priority Mair	ntenanc	;e	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
04/28/2022		J. W. D(	OBBINS				
Details							
Span 7 Wea FROM BEN	aring Su T 6 ANI	ırface: [P/ D 2' FRO	AR] in LEFT travel lane, spall [9in x M WHITE LINE	t up to 9in x 2in deep] exposing the to	op of deck A	.T 6'	

MMS Code	MM	MMS Description						
2816	Asph	sphalt Surface Repair or Replacement				SY		
Location:	Location:							
Bent/Span No.								
Priority Level	Priority Level		Status					
Priority Maint	enanc	e	Division Bridge Maintenance Noti	fication				
Submitted Da	ate:	Submitte	d By:	Assisted By:				
04/28/2022		J. W. DOBBINS						
Details	Details							
4								

Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7

Bridge: 130367

County CALDWELL

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

MMS Code	MN	AS Descrip	otion	tion Quantity				
2816	Asp	halt Surfac	Repair or Replacement 2 S					
Location:								
			Bent/Span No.					
Priority Leve	Priority Level		Status					
Priority Mair	ntenan	ice	Division Bridge Maintenance Notification					
Submitted D	Date:	Submitte	d By:	Assisted By:				
04/28/2022		J. W. D(	OBBINS					
Details								
				holes in right travel lane near midspa 2 2in deep] both exposing the top of d		meter		

MMS Code	MM	MMS Description					
2816	Asp	halt Surfac	alt Surface Repair or Replacement			SY	
Location:							
Bent/Span No.							
Priority Level	Priority Level		Status				
Priority Maint	tenan	се	Division Bridge Maintenance Notification				
Submitted Da	ate:	Submitte	d By:	Assisted By:			
04/28/2022		J. W. DOBBINS					
Details	Details						

Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck

Bridge: 130367

County CALDWELL

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

MMS Code	MM	MS Description G					
2816	Asph	nalt Surfac	ce Repair or Replacement	e Repair or Replacement 2 S			
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
Priority Mair	itenanc	ce in the second se	Division Bridge Maintenance Notification				
Submitted D	oate:	Submitte	d By:	Assisted By:			
04/28/2022		J. W. D(	OBBINS				
Details							
Span 10 We (PAR)	aring S	Surface: (	3) up to 8" x 6" x 1 1/2" deep area c	of missing asphalt wearing surface wi	th exposed	deck	

MMS Code	MMS Description Qua						
3310	Main	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints 16 LF					
Location:							
			Bent/Span No.				
Priority Level	I		Status				
Priority Maint	Maintenance Division Bridge Maintenance Notification						
Submitted Da	ate: Submitted By: Assisted By:						
04/28/2022	J. W. DOBBINS						
Details							
Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES							

Bridge: 130367 County CALDWELL

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

MMS Code	MM	IS Descrip		Quantity				
3318	Main	nt to Conc	2	LF				
Location:	Location:							
			Bent/Span No.					
Priority Level Status								
Priority Maintenance Division Bridge Maintenance Notification								
Submitted D	ate:	te: Submitted By: Assisted By:						
04/28/2022		J. W. DOBBINS						
Details								
Span 10 Lef	t Bridg	e Rail: 14	" x 17" x 9" deep spall with expose	d rebar on outside face of Post 5 (PA	ιR)			

# **Bridge Inspection Field Sketch**

Measurements Taken 20ft North* of Bridge

Roadway	24ft Wide	2 Paved Lanes	Looking South
Left Shoulder	2.5ft Wide *	1ft Paved	1.5ft Unpaved *
Right Shoulder	2.5ft Wide *	1ft Paved	1.5ft Unpaved *
Left Guardrail	2.5ft from road		
Right Guardrail	2.5ft from road		

* MEASUREMENT MODIFIED

MEASUREMENTS VERIFIED 2-28-22 JWE
SKETCH MODIFIED 4/22/20 BY JMS

Title		Description				
Approach Roadway Sketc	h	Data W	/orksheet			
Bridge No: 130367 Drawn By: G.R.R.			Date: 08/04/2008	File Name: S0130000710		
			1			

	Bridge In	specti	on	Field	Ske	tc	h	
	Deck Width/Out to Out	33.416ft *	Betwe	en Rails			31.250ft	
	Clear Roadway	28.0ft	Weari	ng Surface			0.167ft	
	Median Width		Media	n Height				
	Curb Height		Left	0.667ft	Right	0.66	57ft	
	Sidewalk Width		Left		Right			
	Clear Roadway (Rail to Med	ian)	Left		Right			
	Guardrail Width		Left	2.708ft *	Right	2.70	)8ft *	
	Top of Rail to Deck/Wearing	Surface	Left	2.917ft	Right	2.91	7ft	
	Bridge Rail		Left	Type 11	Right	Туре	e 11	
6 - 4in Diam	neter Utility						8in	Diameter utility
Ν	leasurements for Span #	1						
	Deck Thickness	0.645	Left	Overhang			4.708 *	
	op of Rail to Bottom of Beam			t Overhang			4.708 *	-
				-				
Beam Number		Spacing		Com	ments			
1	Steel I Beam	8ft						
2	Steel I Beam	8ft						
3	Steel I Beam	8ft						
4	Steel I Beam	ft						
* MEASUREME		ess: <u>1-1/4i</u> n						
	ENTS VERIFIED	4-28-22		ription				

Bridge No:	130367
Bridge No:	130307

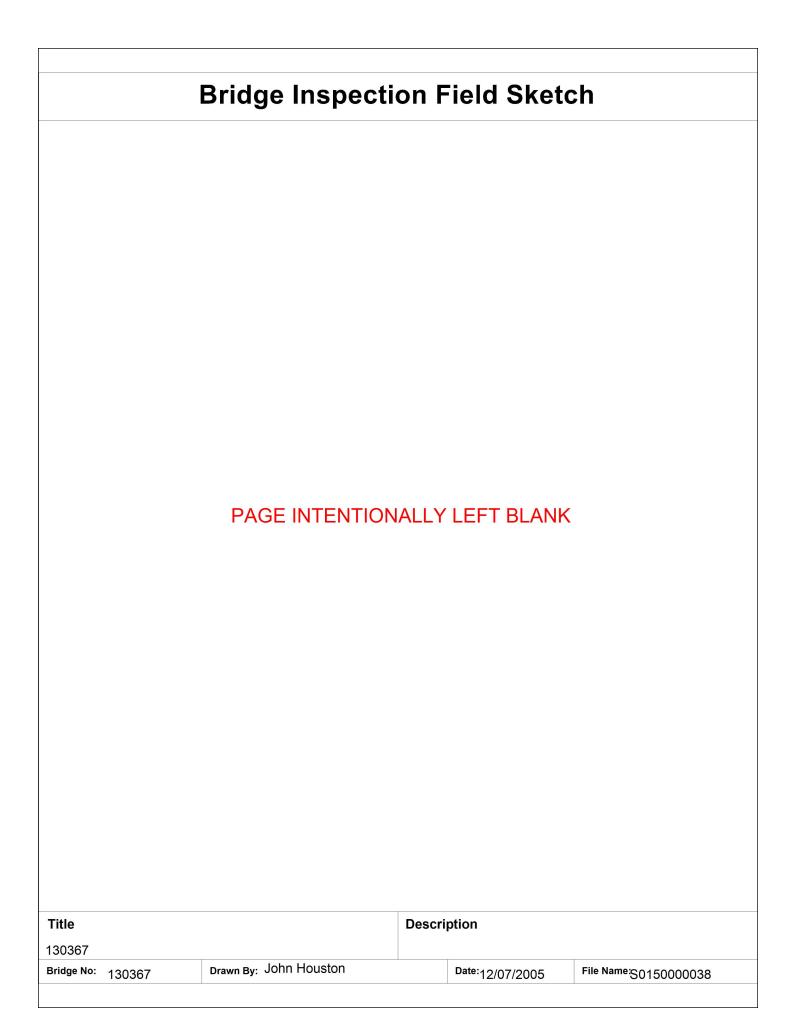
#### Drawn By: DCW

#### Date: 08/04/2008

Cap Information       Material Cast-in-Place Concrete         Length       Width       Height         28.000 ft.       3.000 ft.       2.500 ft.         3.000 ft.       2.500 ft.       14.000 ft.         2.000 ft.       2.000 ft.       2.000 ft.         Subcap Information       Material         Length       Width       Height         Left Overhang       Right Overhang       Left Pile to Splice.         Subcap Information       Material         Length       Width       Height         Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material         Length       Width       Height         Pile #       Material       Spacing       Width/Dia.         Pile #       Material       Spacing       Vieth/Dia.         Spacing Width/Dia.       Height       Length       Orientation         Vertical       No       No       No         Bent#:       1       Similar Bents:       2 THRU 9			Bri	dge Ins	sp	ectio	n	Fie	ld S	ketc	h		
LengthWidthHeightLeft OverhangRight OverhangLeft Beam to End of Cap.Right Beam to End of Cap.Right Beam to End of Cap.28.000 ft.3.000 ft.2.500 ft.14.000 ft.14.000 ft. $2.000$ ft. $2.000$ ft. $2.000$ ft.Subcap InformationMaterialLengthWidthHeightLeft OverhangRight OverhangLeft Pile to Splice. $V = V = V = V = V = V = V = V = V = V =$													
LengthWidthHeightLeft OverhangRight OverhangLeft Beam to End of Cap.Right Beam to End of Cap.Right Beam to End of Cap.28.000 ft.3.000 ft.2.500 ft.14.000 ft.14.000 ft.2.000 ft.2.000 ft.2.000 ft.Subcap InformationMaterialLengthWidthHeightLeft OverhangRight OverhangLeft Pile to Splice.Image: Colspan="6">Vertice Colspan="6">Vertice Colspan="6">Collar?Sill InformationMaterialMaterialMaterialMaterialMaterialEngthCollar?Pile #MaterialSpacingWidth/Dia.HeightLengthOrientationDriven?Replacement?Removed?Collar?1Concrete5.33 ft.Image: Colspan="6">VerticeNoNoNoNo													
Material         Length       Width       Height       Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material       Material       Material       Material       Vidth       Height       Left Overhang       Left Pile to Splice.         Sill Information       Material       Material       Material       Material       File #       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       5.33 ft.       Vertical       No       No       No       No			Height					Left Be	eam to Er	id of Cap.	Righ	it Beam to Er	nd of Cap.
LengthWidthHeightLeft OverhangRight OverhangLeft Pile to Splice.Sill InformationMaterialLengthWidthHeightPile #MaterialSpacingWidth/Dia.HeightLengthOrientationDriven?Replacement?Removed?Collar?1Concrete5.33 ft.VerticalNoNoNoNo	28.000	ft. 3.000 ft.	2.500 ft.	14.000 ft.		14.000 f	t.	2.0	000 ft.		2	2.000 ft.	
Sill Information       Material         Length       Width       Height         Pile #       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       5.33 ft.       Image: Collar in the image: Collar in	Subcar	o Information		Material									
LengthWidthHeightPile #MaterialSpacingWidth/Dia.HeightLengthOrientationDriven?Replacement?Removed?Collar?1Concrete5.33 ft.Image: ConcreteVerticalNoNoNoNo	Lengt	n Width	Height	Left Overhang	9	Right Overh	ang	Left Pil	le to Splic	e.			
LengthWidthHeightPile #MaterialSpacingWidth/Dia.HeightLengthOrientationDriven?Replacement?Removed?Collar?1Concrete5.33 ft.Image: ConcreteVerticalNoNoNoNo		ormation		Material									
1     Concrete     5.33 ft.     Vertical     No     No     No	Sill Info		Height										
							Orie	ntation	Driven?	Replacen	nent?	Removed?	Collar?
Bent #: 1 Similar Bents: 2 THRU 9	Lengt		Spacing	Width/Dia. Hei	ght	Length	Ono						
	Lengtl Pile #	Material	Spacing		ght	Length		ical	No	No		No	No

9-28-2021 UNDERWATER INSPECTED BENTS 1 THRU 9 FROM MUDLINE TO WATER SURFACE

20 BY JMS				
	Descri	ption		
	Data Worksheet			
Drawn By: JEK		Date: 4/15/2016	File Name: \$0630000025	
	/20 BY JMS Drawn By: JEK	<b>Descri</b> Data W	Description Data Worksheet	



	Bridge Inspecti	on Field Sk	tetch
WE	FT Abutm	ent 2 FT	
			WE
	7.00 FT Ben	t 9 6.00 FT	
	15.00 FT Ben	t 8 15.00 FT	North
	16.00 FT Ben	t 7 16.00 FT	
	17.00 FT Ben	t 6 17.00 FT	
	18.00 FT Ben	t 5 17.00 FT	
	14.00 FT Ben	t 4 14.00 FT	Current: LIGHT Streambed Composition: SAND AND SILT
	12.00 FT Ben	t 3 11.00 FT	
	8.00 FT Ben	t 2 8.00 FT	
	6.00 FT Ben	t 1 5.00 FT	
WE			WE
	FT Abutm	ent 1 FT	
9-28-2021 UND	ERWATER INSPECTED BENTS 1 T	HRU 9 FROM MUDLINE T	O WATER SURFACE
VERIFIED 9-28-2021 JCH			
		Description PLAN VIEW	
PLAN VIEW Bridge No: 130367	Drawn By: JOHN HOUSTON	Date:09/21/201	7 File Name:S0150000133
	1	00/21/201	