NC DEPARTMENT OF TRANSPORTATION

ATTENTION: PROMPT ACTION REQUEST, SNOOPER, NEW WEARING SURFACE OVERLAY



DIVISION OF HIGHWAYS

STRUCTURE MANAGEMENT UNIT

# Structure Safety Report

		Ro	utine Elem	ent In	spectior	n - Contra	act		
STRUCTURE NUMB	ER: 70002	8	SAP STRUCTU	RE NO:	0710028	FH	IWA STRUCTURE	NO:	00000001410028
DIVISION: 3	COUNTY:	PENDER		INSPEC	TION DATE:	11/02/2022	FREQUE	NCY:	24 MONTHS
	NC210								
LOCATION: 0.4 MI.	W. JCT. SI	R1404			0.4 MI W.	. OF JCT. SF	R 1404		
FEATURE INTERSE	CTED: LON	IG CREEK							
LATITUDE: <u>34° 26</u>	' 20.94"		LONGI	TUDE:	78° 1' 33.42	II			
SUPERSTRUCTURE	REINFC	RCED CONC	RETE DECK G	BIRDER	6				
SUBSTRUCTURE: E	BTS:CON	C.WID/RC CA	P/TIM.PILE;IBT	S:RCP8	B WID./RC	CAP/STL W	//CR BTS		
SPANS: 4 SPANS	S. SEE SPA	AN PROFILE S	SHEET FOR SP	PAN DE	TAILS				
FRACTURE CR	ITICAL		RY SHORING	□s		TICAL		N OF /	ACTION
GRADES: (Inspector	r/NBI Coding)	<b>DECK</b> 6/6		RUCTUR	E <u>6/6</u>	SUBSTRU	CTURE <u>6/6</u>	CULV	ERT N/N
POSTED SV: Not I	Posted				POSTED TT	ST: Not Pos	sted		

#### OTHER SIGNS PRESENT: (4) DELINEATORS



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

12/13/2022

(1) STATE NAME NORTH CAROLINA BRIDGE (8) STRUCTURE NUMBER (FEDERAL)	700028 1410028	SUFFICIENCY RATING STATUS =		65.
(5) INVENTORY ROUTE (ON/UNDER) ON 13	1002100		CLASSIFICATION	_ CODE
	3	(112) NBIS BRIDGE SYSTEM		
(3) COUNTY CODE (FEDERAL) 141 (4) PLACE CODE (6) FEATURE INTERSECTED LONG CREEK	00000	(104) HIGHWAY SYSTEM	Inventory Route not on NH	IS
(7) FACILITY CARRIED NC210		(26) FUNCTIONAL CLASS	Rural Minor Arteri	al
(9) LOCATION 0.4 MI. W. JCT. SR1404		(100) STRAHNET HIGHWAY	Not a STRAHNET Rout	te
(11) MILEPOINT	0.0	(101) PARALLEL STRUCTURE	No parallel structure exist	ts
(12) BASE HIGHWAY NETWORK (13) LRS INVENTORY ROUTE & SUBROUTE	0	(102) DIRECTION OF TRAFFIC	2-way traff	ic
	1' 33.42"	(103) TEMPORARY STRUCTURE	Ξ	
(98) BORDER BRIDGE STATE CODE PERCENT SHARED		(110) DESIGNATED NATIONAL N	NETWORK - on natiional network for truck	s
(99) BORDER BRIDGE STRUCTURE NUMBER		(20) TOLL	On Free Roa	d
STRUCTURE TYPE AND MATERIAL		(21) MAINT -		
	Concrete	(22) OWNER -		
TYPE Tee Beam CODE	104	(37) HISTORICAL SIGNIFICANCE		
(44) STRUCTURE TYPE APPROACH		(-),		
TYPE CODE		(58) DECK		- 0000
(45) NUMBER OF SPANS IN MAIN UNIT	4	(59) SUPERSTRUCTURE		
(46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE		
(107) DECK STRUCTURE TYPE CODE	1	(61) CHANNEL & CHANNEL PRO	DTECTION	
108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS		
(A) TYPE OF WEARING SURFACE CODE	6	LOAD R	ATING AND POSTING	
(B) TYPE OF MEMBRANE CODE	0	(31) DESIGN LOAD	H 1	15
(C) TYPE OF DECK PROTECTION CODE	0	(63) OPERATING RATING METH	OD - Load Facto	or
AGE AND SERVICE		(64) OPERATING RATING -	HS-2	23
(27) YEAR BUILT	1921	(65) INVENTORY RATING METH	OD -	
(106) YEAR RECONSTRUCTED	1956	(66) INVENTORY RATING	HS-1	14
(42) TYPE OF SERVICE ON -	Highway	(70) BRIDGE POSTING	No Posting Require	ed
OFF - Waterway CODE	15	(41) STRUCTURE OPEN, POSTE	ED, OR CLOSED	
28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	0	DESCRIPTION	Open, no restriction	ı
(29) AVERAGE DAILY TRAFFIC	3800		APPRAISAL	
30) YEAR OF ADT 2019 (109) TRUCK ADT PCT	8	(67) STRUCTURAL EVALUATION	١	
19) BYPASS OR DETOUR LENGTH	10.0	(68) DECK GEOMETRY		
GEOMETRIC DATA		(69) UNDERCLEARANCES, VER	T & HORIZ	
48) LENGTH OF MAXIMUM SPAN	41.0	(71) WATERWAY ADEQUACY		
49) STRUCTURE LENGTH	170.0	(72) APPROACH ROADWAY ALIO	GNMENT	
50) CURB OR SIDEWALK: LEFT <b>1.6</b> RIGHT 51) BRIDGE ROADWAY WIDTH, CURB TO CURB	1.6 28.0	(36) TRAFFIC SAFETY FEATURE	ES	00
(52) DECK WIDTH OUT TO OUT	33.3	(113) SCOUR CRITICAL BRIDGE	S	
32) APPROACH ROADWAY WITH (W/ SHOULDERS)	24.0	PROPC	SED IMPROVEMENTS	
(33) BRIDGE MEDIAN No median CODE	0	(75) TYPE OF WORK	C	ODE
(34) SKEW <b>0</b> (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR	0 999.9	(76) LENGTH OF STRUCTURE IN	MPROVEMENT	
47) INVENTORY ROUTE TOTAL HORIZ CLEAR	28.0	(94) BRIDGE IMPROVEMENT CC	DST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9	(95) ROADWAY IMPROVEMENT	COST	
(54) MIN VERT UNDERCLEAR: REFERENCE	0.0	(96) TOTAL PROJECT COST		
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE N	0.0	(97) YEAR OF IMPROVEMENT C	OST ESTIMATE	
56) MIN LAT UNDERCLEARANCE LT:	0.0	(114) FUTURE ADT	7,600 YEAR OF FUTURE ADT	20
38) NAVIGATION CONTROL - CODE	0	(90) INSPECTION DATE	11/22 (91) FREQUENC	Υ
111) PIER PROTECTION CODE		(92) CRITICAL FEATURE INSPEC	CTION (93) CFI [	DATE
39) NAVIGATION VERTICAL CLEARANCE	0.0	A) FRACTURE CRIT DETAI	IL A)	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	B) UNDERWATER INSP	<b>60</b> B)	12
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP	C)	
	-	SCOUR		

### **Superstructure Build Details**

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	86	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1196	Square Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	215	Feet		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1346	Square Feet		
10	Other Bearing	Other Bearings	10	Each		
Span Nu	mber <u>2</u> Spa	ו 1 Length <u>42.420</u>		Ske	ew 90.000	

Number of Items	Type of Component	Element Name	Qua	antity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1188 So	quare Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	86 Fe	eet		
10	Other Bearing	Other Bearings	10 Ea	ach		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	215 Fe	eet		
1	Standard Joint	Pourable Joint Seal	0 Fe	eet		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1337 So	quare Feet		
Span Nu	ımber <u>3</u> Spar	Length <u>42.700</u>		Ske	ew 90.000	

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
10	Other Bearing	Other Bearings	10	Each	Unknown	10
1	Standard Joint	Pourable Joint Seal	0	Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	215	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	86	Feet		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1347	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	1196	Square Feet		
Span Nu	imber <u>4</u> Span	Length <u>41.750</u>		Sk	ew 90.000	

### Span Number $\underline{1}$

Span Length 42.700

**Skew** 90.000

## Superstructure Build Details

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	84	Feet		
10	Other Bearing	Other Bearings	10	Each	Unknown	10
1	Asphalt Wearing Surface	Wearing Surface	1169	Square Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	210	Feet		
1	Standard Joint	Pourable Joint Seal	0	Feet		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1316	Square Feet		

# **Structure Element Scoring**

Structure Number: 700028

#### Inspection Date 11/2/2022

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
38		Reinforced Concrete Slabs	Deck	5,346	5,210	123	13	0
110		Reinforced Concrete Open Girder/Beam	Beam	855	625	219	11	0
301		Pourable Joint Seal	Expansion Joints	0	0	0	0	0
316		Other Bearings	Bearing Device	40	34	0	6	0
515	316	Steel Protective Coating	Bearing Device	20	14	0	0	6
331		Reinforced Concrete Bridge Railing	Bridge Rail	342	295	41	6	0
510		Wearing Surface	Wearing Surfaces	4,749	4,706	38	5	0
202		Steel Column	Piles and Columns	6	1	5	0	0
515	202	Steel Protective Coating	Piles and Columns	360	334	0	0	26
515	202	Steel Protective Coating	Piles and Columns	540	513	0	0	27
205		Reinforced Concrete Column	Piles and Columns	8	4	2	2	0
515	205	Steel Protective Coating	Piles and Columns	0	0	0	0	0
215		Reinforced Concrete Abutment	Abutments	58	12	17	29	0
225		Steel Pile	Piles and Columns	20	1	19	0	0
515	225	Steel Protective Coating	Piles and Columns	360	343	0	0	17
515	225	Steel Protective Coating	Piles and Columns	2,084	1,848	118	0	118
231		Steel Pier Cap	Caps	35	14	21	0	0
515	231	Steel Protective Coating	Caps	237	117	30	0	90
234		Reinforced Concrete Pier Cap	Caps	116	62	36	18	0
320		Prestressed Concrete Approach Slab	Approaches			0	0	0

# **Summary of Maintenance Needs**

Maintenance By Defect

#### Structure Number: 700028

Inspection Date: 11/02/2022

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Slabs	Exposed Rebar	1 Square Feet
3326	Reinforced Concrete Slabs	Patched Area	9 Square Feet
3326	Reinforced Concrete Slabs	Delamination/Spall	1 Square Feet
3326	Reinforced Concrete Slabs	Cracking (RC and Other)	40 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	2 Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	11 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	20 Feet
3348	Reinforced Concrete Column	Efflorescence/Rust Staining	4 Each
3348	Reinforced Concrete Column	Patched Area	4 Each
3350	Reinforced Concrete Abutment	Scour	29 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	7 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	12 Feet
3334	Other Bearings	Corrosion	6 Each
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	5 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	4 Feet
2816	Wearing Surface	Crack (Wearing Surface)	638 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	423 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	6 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	4 Square Feet

# Element Structure Maintenance Quantities

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3306	Maintenance Concrete Superstructure Components	31	855	0.000	11.000	219.000	625.000
Bearing Device	3334	Bridge Bearing	6	40	0.000	6.000	0.000	34.000
Bearing Device	3342	Clean and Paint Steel	6	20	6.000	0.000	0.000	14.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	9	342	0.000	6.000	41.000	295.000
Deck	3326	Maintenance of Concrete Deck	51	5346	0.000	13.000	123.000	5210.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	0	0.000	0.000	0.000	0.000
Wearing Surfaces	2816	Asphalt Surface Repair	43	4749	0.000	5.000	38.000	4706.000
Abutments	3350	Maintenance of Concrete Wings and Wall	29	58	0.000	29.000	17.000	12.000
Caps	3342	Clean and Paint Steel	120	237	90.000	0.000	30.000	117.000
Caps	3348	Maintenance of Concrete Substructure	22	116	0.000	18.000	36.000	62.000
Caps	3354	Maintenance of Steel Substructure Components	0	35	0.000	0.000	21.000	14.000
Piles and Columns	3342	Clean and Paint Steel	26	360	26.000	0.000	0.000	334.000
Piles and Columns	3342	Clean and Paint Steel	27	540	27.000	0.000	0.000	513.000
Piles and Columns	3342	Clean and Paint Steel	0	0	0.000	0.000	0.000	0.000
Piles and Columns	3342	Clean and Paint Steel	17	360	17.000	0.000	0.000	343.000
Piles and Columns	3342	Clean and Paint Steel	236	2084	118.000	0.000	118.000	1848.000
Piles and Columns	3348	Maintenance of Concrete Substructure	8	8	0.000	2.000	2.000	4.000
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	6	0.000	0.000	5.000	1.000
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	20	0.000	0.000	19.000	1.000
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0		0.000	0.000	0.000	

# **Priority Actions Request**

Structure Nur	nber 700028		
Bent 1			
3350	Abutment	Reinforced Co	ncrete Abutment
Priority Level	Defect Type	Quantity	Defect Description
2	Scour	29	End Bent 1 Abutment: 29 FEET X 38 INCHES DEEP UNDERNEATH UNDER END BENT 1 CAP (PAR)
3348	Cap 1	Reinforced Co	ncrete Pier Cap
Deigeiter			
Priority Level	Defect Type	Quantity	Defect Description
	Defect Type Exposed Rebar	Quantity 2	Defect Description Bent 1 Cap 1: 14 INCHES X 26 INCHES X 2.5 INCHES DEEP SPALL AND AREA OF DELAMINATION ON BOTTOM FACE BETWEEN PILES 1 AND 2 (PAR)
Level			Bent 1 Cap 1: 14 INCHES X 26 INCHES X 2.5 INCHES DEEP SPALL AND AREA
Level 2	Exposed Rebar	2	Bent 1 Cap 1: 14 INCHES X 26 INCHES X 2.5 INCHES DEEP SPALL AND AREA OF DELAMINATION ON BOTTOM FACE BETWEEN PILES 1 AND 2 (PAR) Bent 1 Cap 1: 45 INCHES X 7 INCHES X 6 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BENEATH BEAM 1 AT BOTTOM OF

#### Bent 2

3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Bent 2 Cap 1: 19 INCH X 12 INCH X 4 INCH DEEP SPALL WITH EXPOSED REINFORCING AND AREA OF DELAMINATION ON SOUTHWEST BOTTOM CORNER (PAR)

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

2 Assigned Priority Maintenance 3 Assigned Critical Find

### **Element Condition and Maintenance Data**

Structure	Number: 700	028					In	spection Date:	11/02/2022
Spa	an 1		Deck						
Rei	inforced Co	ncrete Deck SI	ab						
	ement Imber	Elem Reinforced Concre	<b>ent Name</b> te Slabs	<b>Total</b> <b>Qty</b> 1,346	<b>CS1</b> Qty 1,301	<b>CS2</b> Qty 45	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Squar	e Feet
Eleme Numb	Defect	Туре	Defect Descr	iption		CS	CS Qty	Maint Qty	
∕] 38	Cracking (RC Other)	CRACK	OF UP TO 1/64 INCHES S, SOME WITH EFFLORE M THROUGHOUT DECK	SCENCE, AT		2	40	-	uare Feet
∕ 38	Patched Area	INCHES	RE FEET OF UP TO 10 IN PATCHED AREAS AT RA GHOUT DECK UNDERSIE	ANDOM		2	5	Squ	uare Feet
	General Com	ments							
Spa	an 1		Beam 1						
Rei	inforced Co	ncrete Girder							
	ement Imber		<b>ent Name</b> te Open Girder/Beam	Total Qty 43	<b>CS1</b> Qty 37	CS2 Qty 6	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
Eleme Numb	Defect	Туре	Defect Descr	iption		CS	CS Qty	Maint Qty	
∑ 110	Cracking (RC Other)	and (6) UP T	O 1/64 INCHES WRAPAR DOM THROUGHOUT.	•		2	6	Fee	et
	General Com	ments							
Spa	an 1		Beam 2						
Rei	inforced Co	ncrete Girder							
	ement Imber		<b>ent Name</b> te Open Girder/Beam	Total Qty 43	<b>CS1</b> <b>Qty</b> 33	<b>CS2</b> <b>Qty</b> 10	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
Eleme	Defect	Turno	Defect Descr	intion		CS	CS Qty	Maint	
Numbo 7 110	cracking (RC Other)	and (2) UP T CRACK	O 33 INCHES X 1/32 INCI S ON WEST FACE OF BE AGM BETWEEN BEAMS	HES VERTICAL NT 1 END		2	2 2	<b>Qty</b> Fee	et
7 110	Cracking (RC Other)		O 1/64 INCHES WRAPAR DOM THROUGHOUT.	OUND CRACKS		2	8	Fee	ət
	General Com	ments							
Spa	an 1		Beam 3						
Rei	inforced Co	ncrete Girder							
	ement Imber		<b>ent Name</b> te Open Girder/Beam	Total Qty 43	<b>CS1</b> Qty 27	<b>CS2</b> Qty 16	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
Fleme	nt							Maint	

Elemer Numbe	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
✓ 110	Cracking (RC and Other)	(14) UP TO 1/64 INCHES WRAPAROUND CRACKS AT RANDOM THROUGHOUT.	2	14	Fee	ət

<b>v</b> 110	Cracking (RC and
	Other)

(2) UP TO 33 INCHES X 1/32 INCHES VERTICAL
CRACKS ON WEST FACE OF BENT 1 END
DIAPHRAGM BETWEEN BEAMS 3 AND 4.

Inspection Date: 11/02/2022

Feet

2

2

General C	omments
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110       Cracking (RC and (16) UP TO 1/84 INCHES WRAPAROUND CRACKS       2       16       Feet         Other)       AT RANDOM THROUGHOUT.       2       16       Feet         General Comments       Span 1       Beam 5       State 1       State 1       State 1         Number       Element Name       Total Qry       CS1 Qry												
Element Number         Element Name         Total Cty         CS1 Cty         CS2 Cty         CS3 Cty         CS4 Cty         Cty         Cty         Cty        <	Span 1		Beam 4									
Number         Element Name         Qty	Reinfo	rced Concrete	Girder									
Element Number     Defect Type Other)     Defect Description AT RANDOM THROUGHOUT.     CS     CS CS Cty CS Cty     Maint Cty       Span 1     Beam 5       Reinforced Concrete Girder       Element Number     Element Name (S) UP TO 1/64 INCHES WRAPAROUND CRACKS     2     CS2 CS Cty CS3 CS4 CS4 CS4 Cty     CS4 CS4 CS4 CS4 CS4 CS4 CS4 CS4 CS4 CS4	Numbe	r		Qty	Qty	Qty	Qty	Qty				
Number         Defect Type         Defect Description         CS							, , , , , , , , , , , , , , , , , , ,					
Other)       AT RANDOM THROUGHOUT.         General Comments         Span 1       Beam 5         Reinforced Concrete Girder         Element Number       Total Qty       CS1       CS2       CS3       CS2       CS4       Qty       Qty <th <="" colspan="4" td=""><td>Number</td><td></td><td>·</td><td></td><td></td><td></td><td>-</td><td>Qty</td></th>	<td>Number</td> <td></td> <td>·</td> <td></td> <td></td> <td></td> <td>-</td> <td>Qty</td>				Number		·				-	Qty
Span 1       Beam 5         Reinforced Concrete Girder       Total       CS1       CS2       CS3       CS4       Qty				JND CRACKS		2	16	Feet				
Reinforced Concrete Girder         Liement Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty       Qty       Qty <t< td=""><td>Ger</td><td>neral Comments</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Ger	neral Comments										
Reinforced Concrete Girder         Liement Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty       Qty       Qty <t< td=""><td>Span 1</td><td></td><td>Boom 5</td><td></td><td></td><td></td><td></td><td></td></t<>	Span 1		Boom 5									
Element Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty         110       Reinforced Concrete Open Girder/Beam       43       38       5       0       0       Feet         Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty         110       Cracking (RC and (5) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       5       Feet         General Comments       AT RANDOM THROUGHOUT.       CS1       CS2       CS2       CS4 Qty         Span 1       Wearing Surface       Element Name       Total Qty       Qty       S       Square	-											
Number 110       Element Name Reinforced Concrete Open Girder/Beam       Qty 43       Qty 38       Qty 5       Qty 0       Qty 0       Feet         Element Number Other)       Defect Type AT RANDOM THROUGHOUT.       Defect Description AT RANDOM THROUGHOUT.       CS 0 ther)       CS 5       CS Qty 5       Maint Qty 5         Span 1       Wearing Surface       Vearing Surface       Same At RANDOM THROUGHOUT.       CS1 Qty 1,196       CS2 1,191       CS2 Qty Qty Qty Qty Qty Qty Qty Qty Qty Qty			Girder									
110       Reinforced Concrete Open Girder/Beam       43       38       5       0       0       Feet         Element Number       Defect Type       Defect Description       CS       CS Q Q Q       Maint Qty       Maint Qty       Feet         110       Cracking (RC and Other)       (5) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       5       Feet         Span 1       Wearing Surface       2       5       Feet         Asphalt Wearing Surface       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty       Qty       Qty       Qty       Qty       Qty       Qty       Qty       Q square Feet         Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty       Qty       Q square Feet         Statace)       AT END BENT 1       Element Name       CS       CS Qty       Qty       S Square Feet         Span 1       Left Bridge Railing       Qty       Qty       Qty       Q Feet       S Square Feet         Networe       Element Name       Total Qty       CS1 Qty       Qty       Qty       Qty       Qty       Q Feet         331       Reinforced Concrete Bridge Railing       43       33       10       0			Element Name									
Number         Defect Type         Defect Description         CS         CS Qty         Qty           110         Cracking (RC and Other)         (5) UP TO 1/64 INCHES WRAPAROUND CRACKS         2         5         Feet           Asphalt Wearing Surface         2         5         Feet         Feet         Feet           Asphalt Wearing Surface         110         Wearing Surface         CS1         CS2         CS3         CS4           Span 1         Wearing Surface         1,196         1,191         5         0         0 Square Feet           Element Number         Defect Type         Defect Description         CS         CS4 Qty	110	Reinford	ced Concrete Open Girder/Beam	•	•	-	-	•				
110       Cracking (RC and Other)       (5) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       5       Feet         AT RANDOM THROUGHOUT.       General Comments       2       5       Feet         Asphalt Wearing Surface       Feet       Asphalt Wearing Surface       5       CS3       CS4         Element Number       Element Name       Total Cty       Cty       Cty <td>Element</td> <td>Defect Type</td> <td>Defect Description</td> <td>on</td> <td></td> <td>CS</td> <td>CS Qty</td> <td></td>	Element	Defect Type	Defect Description	on		CS	CS Qty					
General Comments         Span 1 Wearing Surface         Asphalt Wearing Surface         Element Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty         510       Wearing Surface       1,196       1,191       5       0       0 Square Feet         Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty       Maint Qty         510       Crack (Wearing       5 SQUARE FEET HAIRLINE TRANSVERSE CRACK       2       5       5 Square Feet         Surface         Surface       Left Bridge Rail         General Comments         NEW WEARING SURFACE OVERLAY         Span 1       Left Bridge Rail       CS1       CS2       CS3 Qty       CS4 Qty       Qty       CS4 Qty       Qty       CS4 Qty       Qty	<b>110</b> Cr			ND CRACKS		2	5	•				
Span 1       Wearing Surface         Asphalt Wearing Surface       Element Number       Total Qty		,	AT RANDOM THROUGHOUT.									
Asphalt Wearing Surface         Element Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty         510       Wearing Surface       1,196       1,191       5       0       0       Square Feet         Element Number       Defect Type       Defect Description       CS       CS CS Qty       Maint Qty       Maint Qty         510       Crack (Wearing Surface)       5 SQUARE FEET HAIRLINE TRANSVERSE CRACK       2       5       5       Square Feet         General Comments Netw WEARING SURFACE OVERLAY       Left Bridge Rail       CS1       CS2       CS3       CS4 Qty       Maint Qty         331       Reinforced Concrete Bridge Railing       43       33       10       0       0       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES TRANSVERSE CRACKS       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       4       Feet         331       Cracking (RC and Other)       (4) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       4       Feet	•••											
Asphalt Wearing Surface         Element Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty         510       Wearing Surface       1,196       1,191       5       0       0       Square Feet         Element Number       Defect Type       Defect Description       CS       CS CS Qty       Maint Qty       Maint Qty         510       Crack (Wearing Surface)       5 SQUARE FEET HAIRLINE TRANSVERSE CRACK       2       5       5       Square Feet         General Comments Netw WEARING SURFACE OVERLAY       Left Bridge Rail       CS1       CS2       CS3       CS4 Qty       Maint Qty         331       Reinforced Concrete Bridge Railing       43       33       10       0       0       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES TRANSVERSE CRACKS       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       4       Feet         331       Cracking (RC and Other)       (4) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       4       Feet	Span 1		Wearing Surface	20								
NumberElement Name Wearing SurfaceQtyQtyQtyQtyQty510Wearing Surface1,1961,191500Square FeetElement NumberDefect TypeDefect DescriptionCSCS QtyMaint Qty510Crack (Wearing Surface)5 SQUARE FEET HAIRLINE TRANSVERSE CRACK AT END BENT 1255Square FeetGeneral Comments NEW WEARING SURFACE OVERLAYLeft Bridge Rail GtyCS1CS2CS2CS3CS4Element NumberLeft Bridge RailingTotal GtyCS1CS2CS3CS4Qty331Reinforced Concrete Bridge Railing43331000Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES TRANSVERSE CRACKS ON TOP FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT ON TOP FACE OF CURB.23Feet331Cracking (RC and Qther)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT ON TOP FACE OF CURB.23Feet331Cracking (RC and Qther)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT QN TOP FACE OF CURB.23Feet331Cracking (RC and Qther)(4) UP TO 1/64 INCHES WRAPAROUND CRACKS24Feet	•		-	56								
S10     Wearing Surface     1,196     1,191     5     0     0     Square Feet       Element Number     Defect Type     Defect Description     CS     CS Qty     Maint Qty       510     Crack (Wearing Surface)     5 SQUARE FEET HAIRLINE TRANSVERSE CRACK     2     5     5 Square Feet       Span 1     Left Bridge Rail     Concrete Railing     Second Concrete Bridge Railing     Total Qty     CS1     CS2     CS3     CS4       Element Number     Reinforced Concrete Bridge Railing     Total Qty     Qty     Qty     Qty     Qty     Qty       331     Cracking (RC and Other)     (3) UP TO 1/32 INCHES TRANSVERSE CRACKS     2     3     Feet       331     Cracking (RC and Other)     (3) UP TO 1/32 INCHES VERTICAL CRACKS AT ON TOP FACE OF CURB.     2     3     Feet       331     Cracking (RC and Other)     (3) UP TO 1/32 INCHES VERTICAL CRACKS AT ON TOP FACE OF CURB.     2     3     Feet       331     Cracking (RC and Other)     (3) UP TO 1/32 INCHES VERTICAL CRACKS AT ON TOP FACE OF CURB.     2     3     Feet       331     Cracking (RC and Other)     (3) UP TO 1/64 INCHES WRAPAROUND CRACKS     2     4     Feet			<b>-</b>									
Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty         510       Crack (Wearing Surface)       5 SQUARE FEET HAIRLINE TRANSVERSE CRACK AT END BENT 1       2       5       5       Square Feet         General Comments NEW WEARING SURFACE OVERLAY       Image: Concrete Railing       Image: Concrete Railing       Image: Concrete Railing       Image: Concrete Railing       CS1       CS2       CS3       CS4 Qty       Qty				-	-	-	•	•				
Number       Defect Type       Defect Description       CS       CS       CS       CS       Qty         510       Crack (Wearing Surface)       5 SQUARE FEET HAIRLINE TRANSVERSE CRACK       2       5       5       Square Feet         General Comments NEW WEARING SURFACE OVERLAY       X       X       2       5       5       Square Feet         Span 1       Left Bridge Rail       Concrete Railing       CS1       CS2       CS3       CS4       Qty         331       Reinforced Concrete Bridge Railing       43       33       10       0       Feet         Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES TRANSVERSE CRACKS ON TOP FACE OF CURB.       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT Other)       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT Other)       2       3       Feet         331       Cracking (RC and Other)       (4) UP TO 1/32 INCHES WRAPAROUND CRACKS       2       4       Feet				,	, -							
Surface)       AT END BENT 1         General Comments       NEW WEARING SURFACE OVERLAY         Span 1       Left Bridge Rail         Concrete Railing       Total       CS1       CS2       CS3       CS4         Number       Element Name       Total       Qty       Qty <th< td=""><td>Number</td><td>Defect Type</td><td>Defect Description</td><td>on</td><td></td><td>CS</td><td>CS Qty</td><td></td></th<>	Number	Defect Type	Defect Description	on		CS	CS Qty					
General Comments NEW WEARING SURFACE OVERLAY         Span 1       Left Bridge Rail         Concrete Railing       Total Qty       CS1 Qty       CS2 Qty       CS4 Qty       Qty Qty       Maint Qty         331       Reinforced Concrete Bridge Railing       43       33       10       0       Feet         Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES TRANSVERSE CRACKS       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.       2       3       Feet         331       Cracking (RC and Other)       (4) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       4       Feet				ERSE CRACK		2	5	5 Square Feet				
Span 1Left Bridge RailConcrete RailingTotal QtyCS1 QtyCS2 QtyCS3 QtyCS4 Qty331Reinforced Concrete Bridge Railing43331000FeetElement NumberDefect TypeDefect DescriptionCS QtyCS QtyMaint Qty331Cracking (RC and Other)(3) UP TO 1/32 INCHES TRANSVERSE CRACKS ON TOP FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(4) UP TO 1/64 INCHES WRAPAROUND CRACKS24Feet												
Concrete Railing         Element Number       Element Name Beinforced Concrete Bridge Railing       Total Qty 43       CS1 Qty 33       CS2 Qty Qty Qty Qty Qty Qty Qty Qty Qty Qty		NEW WEARING	SURFACE OVERLAY									
Element NumberElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyCS4 Qty331Reinforced Concrete Bridge Railing43331000FeetElement NumberDefect TypeDefect DescriptionCS CS QtyCS Qty QtyMaint Qty331Cracking (RC and Other)(3) UP TO 1/32 INCHES TRANSVERSE CRACKS ON TOP FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(4) UP TO 1/64 INCHES WRAPAROUND CRACKS24Feet	Span 1		Left Bridge Rai	il								
Element NumberElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyCS4 Qty331Reinforced Concrete Bridge Railing43331000FeetElement NumberDefect TypeDefect DescriptionCS CS QtyCS Qty QtyMaint Qty331Cracking (RC and Other)(3) UP TO 1/32 INCHES TRANSVERSE CRACKS ON TOP FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(4) UP TO 1/64 INCHES WRAPAROUND CRACKS24Feet	Concre	ete Railing										
NumberElement NameQtyQt		-		Total	CS1	CS2	CS3	CS4				
Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty         ] 331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES TRANSVERSE CRACKS       2       3       Feet         ] 331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES TRANSVERSE CRACKS       2       3       Feet         ] 331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.       2       3       Feet         ] 331       Cracking (RC and Other)       (4) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       4       Feet	Numbe	r		Qty	Qty	Qty	Qty	Qty				
NumberDefect TypeDefect DescriptionCSCSQty331Cracking (RC and Other)(3) UP TO 1/32 INCHES TRANSVERSE CRACKS23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES TRANSVERSE CRACKS AT ON TOP FACE OF CURB.23Feet331Cracking (RC and Other)(3) UP TO 1/32 INCHES VERTICAL CRACKS AT RANDOM THROUGHOUT SOUTH FACE OF CURB.23Feet331Cracking (RC and Other)(4) UP TO 1/64 INCHES WRAPAROUND CRACKS24Feet	331	Reinford	ced Concrete Bridge Railing	43	33	10	0	0 Feet				
331       Cracking (RC and ON TOP FACE OF CURB.       2       3       Feet         331       Cracking (RC and ON TOP FACE OF CURB.       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT       2       3       Feet         331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT       2       3       Feet         331       Cracking (RC and Other)       (4) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       4       Feet	Element Number	Defect Type	Defect Description	on		cs	CS Qty					
331       Cracking (RC and Other)       (3) UP TO 1/32 INCHES VERTICAL CRACKS AT       2       3       Feet         331       Cracking (RC and Other)       (4) UP TO 1/64 INCHES WRAPAROUND CRACKS       2       4       Feet	✓ 331 Cra	acking (RC and		E CRACKS		2		•				
331 Cracking (RC and (4) UP TO 1/64 INCHES WRAPAROUND CRACKS 2 4 Feet	✓ 331 Cra	acking (RC and	(3) UP TO 1/32 INCHES VERTICAL CI	RACKS AT CE OF CURB		2	3	Feet				
	01	··-·/										

Span 1	Right Bridge	Rail					
Concrete Railing							
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331 Reinford	ced Concrete Bridge Railing	43	38	5	0	0 F	eet
Element Number Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
✓ 331 Cracking (RC and Other)	(3) UP TO 1/64 INCHES WRAPARO AT RANDOM THROUGHOUT RAIL			2	3	-	Feet
331 Delamination/Spall	1 INCH X 2 INCH X 1/2 INCH DEEF OF RAIL AT POST 3	P SPALL ON TOP		2	1	1	Feet
331 Delamination/Spall	6 INCHES X 2 INCHES X 1/4 INCH NORTH FACE OF RAIL AT 4TH RA BENT 1.			2	1	1	Feet

**General Comments** 

Spa	an 2	Deck									
Rei	Reinforced Concrete Deck Slab										
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
38	Reinfor	ced Concrete Slabs	1,337	1,296	41	0	0 Square Feet				
Elemer Numbe	Dofact Type	Defect Descrip	tion		CS	CS Qty	Maint Qty				
<b>√</b> 38	Abrasion/Wear (PSC/RC)	5 SQUARE FEET OF HONEYCOMB RANDOM THROUGHOUT DRAINAG THE NORTH OVERHANG		N	2	5	Square Feet				
✓ 38	Delamination/Spall	5 INCHES X 2 INCHES X 1 INCH DE SOUTH OVERHANG NEAR POST 5			2	1	1 Square Feet				
✓ 38	Patched Area	35 SQUARE FEET UP TO 2 FEET X PATCHED AREAS AT RANDOM TH			2	35	Square Feet				

**General Comments** 

#### Span 2

Beam 1

DECK UNDERSIDE BETWEEN BEAMS 2 AND 4

#### **Reinforced Concrete Girder**

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinfor	ced Concrete Open Girder/Beam	43	32	11	0	0 Feet
Elemer Numbe	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty
✓ 110	Cracking (RC and Other)	(10) UP TO 1/64 INCHES WRAPARO AT RANDOM THROUGHOUT	UND CRACKS		2	10	Feet
✓ 110	Delamination/Spall	2 INCH X 4 INCH X 1 INCH DEEP SP SIDE OF BEAM AT BENT 1	ALL ON LEFT		2	1	1 Feet
	General Comments						

### Span 2

#### **Reinforced Concrete Girder**

Elem Num 110	iber	Element Name	Total Qty 43	<b>CS1</b> <b>Qty</b> 19	<b>CS2</b> <b>Qty</b> 20	CS3 Qty 4	<b>CS4</b> <b>Qty</b> 0	Feet
Element		ced Concrete Open Girder/Beam	43	19			Maint	reel
Number	Defect Type	Defect Description			CS	CS Qty	Qty	
<b>√</b> 110	Delamination/Spall	8 INCHES X 6 INCHES X 1 INCHES DEE WITH ASSOCIATED 38 INCHES X 16 IN DELAMINATION ON SOUTH FACE AT E	ICHES		3	4	2	Feet
<b>√</b> 110	Cracking (RC and Other)	(13) UP TO 1/64 INCHES WRAPAROUN AT RANDOM THROUGHOUT.	D CRACKS		2	13		Feet
•	Cracking (RC and Other)	26 INCHES X 1/64 INCHES VERTICAL C EAST FACE OF BENT 1 END DIAPHRAG BETWEEN BEAMS 2 AND 3 BEGINNINC OF CAP.	GM		2	1		Feet
<b>√</b> 110	Cracking (RC and Other)	42 INCHES X 22 INCHES AREA OF UP INCHES HORIZONTAL AND VERTICAL ON WEST FACE OF BENT 2 END DIAPI BETWEEN BEAMS 2 AND 3.	CRACKS		2	4		Feet
<mark>√</mark> 110	Exposed Rebar	(4) UP TO 4 INCH X 6 INCH X 1/2 INCH SPALLS WITH EXPOSED REINFORCIN FACE 3 FEET FROM BENT 2.			2	2	2	2 Feet

General Comments

### Span 2

Beam 3

#### **Reinforced Concrete Girder**

Elen Nun	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinfor	ced Concrete Open Girder/Beam	43	24	19	0	0 Feet
Elemen Number	Dofact Type	Defect Description	l		CS	CS Qty	Maint Qty
✓ 110	Cracking (RC and Other)	(10) UP TO 1/64 INCHES WRAPAROUN AT RANDOM THROUGHOUT.	ID CRACKS		2	10	Feet
<b>V</b> 110	Cracking (RC and Other)	(3) UP TO 33 INCHES X 1/64 INCHES V CRACKS ON WEST FACE OF BENT 2 E DIAPHRAGM BETWEEN BEAMS 3 AND	END		2	3	Feet
<b>v</b> 110	Cracking (RC and Other)	16 INCHES X 1/32 INCHES HORIZONT/ ON SOUTH FACE 14 FEET FROM BEN			2	2	Feet
✓ 110	Cracking (RC and Other)	27 INCH X 1/64 INCHES HORIZONTAL NORTH FACE 10 FEET FROM BENT 2.			2	3	Feet
<b>v</b> 110	Cracking (RC and Other)	28 INCHES X 1/64 INCHES VERTICAL ( EAST FACE OF BENT 1 END DIAPHRA BETWEEN BEAMS 3 AND 4 BEGINNING OF CAP.	GM		2	1	Feet

Span 2		Beam 4						
Reinfor	ced Concrete Girder							
Element Number		ment Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Conc	rete Open Girder/Beam	43	31	12	0	0 Feet	
Element Number	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	

Structure	Number: 700028			Inspect	on Date: 11/02/2022
✓ 110	Cracking (RC and Other)	(8) UP TO 1/64 INCHES WRAPAROUND CRACKS AT RANDOM THROUGHOUT.	2	8	Feet
✓ 110	Delamination/Spall	(2) UP TO 3" X 2 1/2" X 1/2" DEEP SPALL ON BOTTOM OF BEAM AT BENT 1	2	1	1 Feet
✓ 110	Delamination/Spall	9 INCHES X 4 INCHES X 1/2 DEEP INCHES SPALL WITH ASSOCIATED 18 INCHES X 9 INCHES DELAMINATION ON SOUTH FACE AT BENT 2.	2	2	2 Feet
✓ 110	Exposed Rebar	6 INCHES DIAMETER X 1/2 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON NORTH FACE AT BENT 1.	2	1	1 Feet

Span 2

Bear	m 5

#### **Reinforced Concrete Girder**

	nent nber Reinford	Element Name ced Concrete Open Girder/Beam	Total Qty 43	<b>CS1</b> <b>Qty</b> 36	CS2 Qty 7	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet
Elemen Number	Dofoot Typo	Defect Descripti	ion		CS	CS Qty	Maint Qty
<b>√</b> 110	Cracking (RC and Other)	(6) UP TO 1/64 INCHES WRAPAROL AT RANDOM THROUGHOUT.	IND CRACKS		2	6	Feet
<b>√</b> 110	Delamination/Spall	7 INCH X 3 INCH X 1/2 INCH DEEP S AREA OF DELAMINATION ON SOUT BENT 2			2	1	1 Feet

General Comments

Spa	an 2	Wearing Sur	face					
Asp	halt Wearing Sur	face						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
510	Wearin	g Surface	1,188	1,183	0	5	0	Square Feet
Elemer Numbe	Defect Tune	Defect Descri	ption		CS	CS Qty	Maint Qty	
✓ 510	Crack (Wearing Surface)	5 SQUARE FEET UP TO 1/16 INCH CRACK AT BENT 1	I TRANSVERSE		3	5	ł	5 Square Feet
	General Comments							
	NEW WEARING	SURFACE OVERLAY						
Spa	an 2	Left Bridge F	Rail					
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	43	39	4	0	0	Feet
Elemer Numbe	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
✓ 331					2	4	-	Feet
	General Comments							

#### Span 3

#### **Reinforced Concrete Deck Slab**

Elen Num 38	nber	Element Name ced Concrete Slabs	Total Qty 1.347	<b>CS1</b> Qty 1,324	CS2 Qty 23	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Square Feet
Element Number	t Defect Type	Defect Descriptio	, -	1,324	CS	CS Qty	Maint
✓ 38	Abrasion/Wear (PSC/RC)	3 SQUARE FEET OF HONEYCOMBIN RANDOM THROUGHOUT DRAINAGE THE NORTH OVERHANG.	• • • •	N	2	3	Square Feet
<b>√</b> 38	Patched Area	20 SQUARE FEET OF UP TO 3 FEET PATCHED AREAS INCHES DECK UN BENT 3			2	20	Square Feet

General Comments

Span 3

Beam 1

Deck

#### **Reinforced Concrete Girder**

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty
110	Reinfor	ced Concrete Open Girder/Beam	43	24	19	0	0 Feet
Elemen Numbe	Defect Turne	Defect Descriptio	n		CS	CS Qty	Maint Qty
✓ 110	Cracking (RC and Other)	(7) UP TO 1/64 INCHES WRAPAROUN AT RANDOM THROUGHOUT.	ND CRACKS		2	7	Feet
✓ 110	Cracking (RC and Other)	10 INCH HAIRLINE LONGITUDINAL C BOTTOM OF BEAM AT BENT 2	RACK ON		2	1	Feet
✓ 110	Delamination/Spall	6 INCHES X 3 INCHES X 1 INCHES D ON NORTH FACE AT BENT 3	EEP SPALL		2	1	1 Feet
<b>√</b> 110	Exposed Rebar	5 INCHES X 2 INCHES X 1/4 INCHES WITH EXPOSED REINFORCING ON V OF BENT 2 END DIAPHRAGM BETWE AND 2.	VEST FACE		2	1	1 Feet
✓ 110	Patched Area	10 INCHES X 15 INCHES PATCHED A NORTH FACE AT BENT 2.	REA ON		2	1	Feet
<b>v</b> 110	Patched Area	12 INCH X 16 INCH AREA OF SOUND BOTTOM OF BEAM AT BENT 2	PATCH ON		2	1	Feet
✓ 110	Patched Area	3 INCH X 6 INCH AREA OF SOUND P. RIGHT SIDE OF BEAM AT BENT 2	ATCH ON		2	1	Feet
<b>√</b> 110	Patched Area	70 INCHES X 3 INCHES X UP TO 4 IN SPALL WITH EXPOSED REINFORCIN SOUTH BOTTOM CORNER, 8 FEET F (PATCHED)	IG ON THE		2	6	Feet

**General Comments** 

### Span 3

#### Beam 2

#### **Reinforced Concrete Girder**

Elen Nun 110		Element Name ced Concrete Open Girder/Beam	Total Qty 43	<b>CS1</b> <b>Qty</b> 28	<b>CS2</b> <b>Qty</b> 11	CS3 Qty 4	<b>CS4</b> <b>Qty</b> 0 F	eet
Elemen Number	Defect Turne	Defect Descriptio	n		CS	CS Qty	Maint Qty	
<b>V</b> 110	Delamination/Spall	10 INCHES X 3 INCHES X 2 INCHES I SOUTH FACE 9 FEET FROM BENT 3.	-		3	1	1	Feet
✓ 110	Delamination/Spall	9 INCHES X 12 INCHES X 1/2 INCHES SPALL ON NORTH FACE, 8 FEET FRO			3	1	1	Feet

Structure	Number: 700028			Inspec	tion D	ate: 11/02/2022
✓ 110	Delamination/Spall	9 INCHES X 20 INCHES X 2 INCHES DEEP SPALL ON NORTH FACE AT BENT 2.	3	1	1	Feet
<b>√</b> 110	Exposed Rebar	8 INCH X 11 INCH X 1/4 IN DEEP SPALL WITH EXPOSED REINFORCING ON BOTTOM FACE, 8 FEET FROM BENT 3.	3	1	1	Feet
✓ 110	Cracking (RC and Other)	(2) UP TO 28 INCHES X 1/64 INCHES VERTICAL CRACKS ON WEST FACE OF BENT 3 END DIAPHRAGM BETWEEN BEAMS 2 AND 3.	2	2		Feet
✓ 110	Cracking (RC and Other)	(7) UP TO 1/64 INCHES WRAPAROUND CRACKS AT RANDOM THROUGHOUT.	2	7		Feet
✓ 110	Exposed Rebar	6 INCH X 5 INCHES X 3/4 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON NORTH FACE AT BENT 3.	2	1	1	Feet
<b>√</b> 110	Exposed Rebar	6 INCHES X 4 INCHES X 1/4 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE OF BENT 2 END DIAPHRAGM AT BEAM 2.	2	1	1	Feet

Span 3

Beam 3

### Reinforced Concrete Girder

Elen Nun 110		Element Name ced Concrete Open Girder/Beam	Total Qty 43	<b>CS1</b> <b>Qty</b> 36	CS2 Qty 7	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet
Elemen Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
<b>v</b> 110	Cracking (RC and Other)	(4) UP TO 1/64 INCHES WRAPAROUND AT RANDOM THROUGHOUT.	CRACKS		2	4	Feet
<b>√</b> 110	Cracking (RC and Other)	33 INCHES X 1/64 INCHES VERTICAL C EAST FACE OF BENT 2 END DIAPHRAC BETWEEN BEAMS 3 AND 4.			2	1	Feet
<b>√</b> 110	Cracking (RC and Other)	33 INCHES X 1/64 INCHES VERTICAL C WEST FACE OF BENT 3 END DIAPHRA BETWEEN BEAMS 3 AND 4.			2	1	Feet
<b>v</b> 110	Patched Area	3 INCH X 4 INCH X 3/4 INCH SPALL WIT EXPOSED REINFORCING ON NORTH F FEET FROM BENT 2 (PATCHED)			2	1	Feet

**General Comments** 

### Span 3

Beam 4

#### **Reinforced Concrete Girder**

Elem Num 110	ber	Element Name	Total Qty 43	<b>CS1</b> Qty 35	CS2 Qty 8	CS3 Qty 0	CS4 Qty 0 Feet
Element Number	Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty
<b>T</b>	Cracking (RC and Other)	(5) UP TO 1/64 INCHES WRAPAROUN AT RANDOM THROUGHOUT.	ID CRACKS		2	5	F
•	Cracking (RC and Other)	13 INCHES X 1/32 INCHES VERTICAL SOUTH FACE AT BENT 2.	CRACK ON		2	1	F
<b>√</b> 110	Delamination/Spall	5 INCHES X 3 INCHES X 1/2 INCHES ON NORTH FACE 11 FEET FROM BEI			2	1	1 Fe
<b>√</b> 110	Exposed Rebar	6 INCHES X 5 INCHES X 1/2 INCH DE WITH EXPOSED REINFORCING ON S 1 FEET FROM BENT 2.			2	1	1 F

Spa	n 3	Beam 5									
Poir	nforced Concrete										
		Gilder									
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
110	Reinford	ced Concrete Open Girder/Beam	43	34	9	0	0 Feet				
Elemen	t						Maint				
Number	Defect Type	Defect Descripti			CS	CS Qty	Qty				
110	Cracking (RC and Other)	(8) UP TO 1/64 INCHES WRAPAROL AT RANDOM THROUGHOUT.	IND CRACKS		2	8	Feet				
110	Cracking (RC and	20 INCHES X 1/32 INCHES VERTICA			2	1	Feet				
_	Other) General Comments	NORTH FACE 18 FEET FROM BENT	2.								
	General Comments										
Spa	n 3	Wearing Surfa	ice								
Asp	halt Wearing Surf	face									
Elen			Total	CS1	CS2	CS3	CS4				
<b>Nun</b> 510		Element Name g Surface	<b>Qty</b> 1,196	<b>Qty</b> 1,191	Qty 5	<b>Qty</b> 0	Qty 0 Square Feet				
510	wearing	y Sunace	1,190	1,191	5	0	0 Square Feet				
Elemen <sup>:</sup> Numbei	Defect Turne	Defect Descripti	ion		CS	CS Qty	Maint Qty				
510	Crack (Wearing	5 SQUARE FEET HAIRLINE TRANS	/ERSE CRACK		2	5	5 Square Feet				
-	Surface) General Comments	AT BENT 2									
·		SURFACE OVERLAY									
Sno	-	NEW WEARING SURFACE OVERLAY									
Span 3 Left Bridge Rail											
•		Left Bridge Ra	il								
•	n 3 crete Railing	Left Bridge Ra	hil								
Con Elen	crete Railing		Total	CS1 Otv	CS2	CS3	CS4				
Con	crete Railing	Left Bridge Ra Element Name ced Concrete Bridge Railing		<b>CS1</b> <b>Qty</b> 38	CS2 Qty 5	<b>CS3</b> Qty 0	CS4 Qty 0 Feet				
Con Elen Nun 331	crete Railing nent nber Reinford	Element Name	Total Qty	Qty	Qty	<b>Qty</b> 0	<b>Qty</b> 0 Feet				
Con Elen Nun 331 Elemen Number	crete Railing nent nber Reinford	Element Name ced Concrete Bridge Railing Defect Descripti	Total Qty 43	Qty	Qty 5 CS	Qty 0 CS Qty	Qty				
Con Elen Nun 331 Elemen	crete Railing nent ber Reinford t Defect Type Cracking (RC and	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROU	Total Qty 43 ion IND CRACKS	Qty	Qty 5	<b>Qty</b> 0	Qty 0 Feet Maint				
Con Elen Nun 331 Elemen Number	crete Railing nent ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROL	Total Qty 43 ion IND CRACKS	Qty	Qty 5 CS	Qty 0 CS Qty	Qty 0 Feet Maint Qty				
Con Elen Nun 331 Elemen Number ] 331 ] 331	crete Railing nent ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and Other)	Element Name ced Concrete Bridge Railing Defect Description (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT RAIL.	Total Qty 43 ion JND CRACKS JND CRACKS	Qty	Qty 5 CS 2 2	Qty 0 CS Qty 2 2	Qty 0 Feet Maint Qty Feet Feet				
Con Elen Nun 331 Elemen Number ] 331	crete Railing nent ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROL	Total Qty 43 ion UND CRACKS UND CRACKS SPALL ON	Qty	Qty 5 CS 2	Qty 0 CS Qty 2	Qty 0 Feet Maint Qty Feet				
Con Elen Nun 331 Elemen Number ] 331 ] 331	crete Railing nent ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and Other)	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES	Total Qty 43 ion UND CRACKS UND CRACKS SPALL ON	Qty	Qty 5 CS 2 2	Qty 0 CS Qty 2 2	Qty 0 Feet Maint Qty Feet Feet				
Con Elen Nun 331 Elemen 331 331 331	crete Railing ment ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and Other) Delamination/Spall General Comments	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES SOUTH FACE OF RAIL 14 FEET FRO	Total Qty 43 ion IND CRACKS IND CRACKS SPALL ON DM BENT 3.	Qty	Qty 5 CS 2 2	Qty 0 CS Qty 2 2	Qty 0 Feet Maint Qty Feet Feet				
Con Elen Nun 331 Elemen 331 331 331 331	crete Railing nent ber Reinford t Cracking (RC and Other) Cracking (RC and Other) Delamination/Spall General Comments	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES	Total Qty 43 ion IND CRACKS IND CRACKS SPALL ON DM BENT 3.	Qty	Qty 5 CS 2 2	Qty 0 CS Qty 2 2	Qty 0 Feet Maint Qty Feet Feet				
Con Elen Nun 331 Elemen 331 331 331 331	crete Railing ment ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and Other) Delamination/Spall General Comments	Element Name ced Concrete Bridge Railing Defect Descripti (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES SOUTH FACE OF RAIL 14 FEET FRO	Total Qty 43 ion IND CRACKS IND CRACKS SPALL ON DM BENT 3.	Qty	Qty 5 CS 2 2	Qty 0 CS Qty 2 2	Qty 0 Feet Maint Qty Feet Feet				
Con Elen Num 331 Elemen Number ] 331 ] 331	crete Railing nent ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and Other) Delamination/Spall General Comments n 3 crete Railing nent	Element Name ced Concrete Bridge Railing Defect Description (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES SOUTH FACE OF RAIL 14 FEET FRO Right Bridge F	Total Qty 43 ion IND CRACKS IND CRACKS SPALL ON DM BENT 3. Rail Total	Qty 38	Qty 5 2 2 2 2 CS2	Qty 0 CS Qty 2 1 1 CS3	Qty 0 Feet Maint Qty Feet Feet 1 Feet CS4				
Con Elen Nun 331 Elemen 331 331 331 331 331 331	crete Railing nent ber Reinford r Defect Type Cracking (RC and Other) Cracking (RC and Other) Delamination/Spall General Comments n 3 crete Railing nent ber	Element Name ced Concrete Bridge Railing Defect Description (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES SOUTH FACE OF RAIL 14 FEET FRO Right Bridge F Element Name	Total Qty 43 ion UND CRACKS UND CRACKS SPALL ON DM BENT 3.	Qty 38	Qty 5 2 2 2	<b>Qty</b> 0 <b>CS Qty</b> 2 1	Qty 0 Feet Maint Qty Feet Feet 1 Feet				
Con Elen Num 331 Elemen Number 331 331 331 331 331 331 331 5 Con Elen Num	crete Railing nent ber Reinford t Defect Type Cracking (RC and Other) Cracking (RC and Other) Delamination/Spall General Comments n 3 crete Railing nent ber Reinford	Element Name ced Concrete Bridge Railing Defect Description (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT CURB. (2) UP TO 1/32 INCHES WRAPAROU AT RANDOM THROUGHOUT RAIL. 3 INCHES DIAMETER X 1/4 INCHES SOUTH FACE OF RAIL 14 FEET FRO Right Bridge F	Total Qty 43 ion UND CRACKS UND CRACKS SPALL ON DM BENT 3. Rail Total Qty	Qty 38 CS1 Qty	Qty 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Qty 0 CS Qty 2 1 1 CS3 Qty	Qty 0 Feet Maint Qty Feet 1 Feet 1 Feet				

Numbe	Defect Type	Defect Description	CS	CS Qty	Qty	
<mark>√</mark> 331	Cracking (RC and Other)	(2) HAIRLINE VERTICAL AND TRANSVERSE CRACKS ON CURB	2	2		Feet
	Constal Commente					

Spa	in 3	Far Bearing						
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	RUST SCALE, BEARING ASSEMBLY.			3	1	1	Each
✓ 515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.			4	1	1	Square Feet
	General Comments							

Spa	an 3			Far Bearing						
Oth	ner Be	earing								
	ement mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	earings		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe		Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 316	Corre	osion	RUST SCALE, BEA	RING ASSEMBLY.			3	1		1 Each
✓ 515		ctiveness (Steel ective Coatings)	RUST SCALE, BEA	RING ASSEMBLY.			4	1		1 Square Feet
	Gene	ral Comments								

### Far Bearing

#### **Other Bearing**

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Defect Tune	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	RUST SCALE, BEARING ASSEMBLY.			3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.			4	1		1 Square Feet
-	General Comments							

Span 3

#### Far Bearing

### **Other Bearing**

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

Structure	Number: 700028			Inspect	ion Date: <u>11/02/2022</u>
<b>√</b> 316	Corrosion	RUST SCALE, BEARING ASSEMBLY.	3	1	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.	4	1	1 Square Feet
	General Comments				

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Spa	in 4	Deck						
Rei	nforced Concrete	Deck Slab						
	ment nber Reinfor	Element Name ced Concrete Slabs	Total Qty 1,316	<b>CS1</b> <b>Qty</b> 1,289	<b>CS2</b> Qty 14	<b>CS3</b> <b>Qty</b> 13	<b>CS4</b> <b>Qty</b> 0	Square Feet
Elemen Numbe	Defect Tune	Defect Description	n		CS	CS Qty	Maint Qty	
✓ 38	Exposed Rebar	4 INCHES X 8 INCHES X 3/4 DEEP INC WITH EXPOSED REINFORCING AND DELAMINATION ON SOUTH FACE AT OF 3RD RAIL POST BLOCKOUT FROM 2.	AREA OF WEST FACE		3	1	1	I Square Feet
✓ 38	Patched Area	3 FEET X 2 FEET FAILED PATCHED A UP TO 1/32 INCHES LONGITUDINAL C BETWEEN BEAMS 1 AND 2 AT BENT	CRACKS		3	6	6	Square Feet
✓ 38	Patched Area	36 INCH X 24 INCH AREA OF PATCH X X 1 INCH X 1/2 INCH DEEP SPALL WI REBAR ON BOTTOM OF DECK IN BA 3	TH EXPOSED	)	3	6	3	3 Square Feet
✓ 38	Patched Area	14 SQUARE FEET OF UP TO 2 FEET > PATCHED AREAS INCHES DECK UNE BETWEEN BEAMS 2 AND 5			2	14		Square Feet

Spa	ın 4	Beam 1						
Span 4       Beam 1         Reinforced Concrete Girder       Beam 1         Element Number       Element Name       Total Qty       CS1 Qty       CS2 Qty       CS3 Qty       CS4 Qty         110       Reinforced Concrete Open Girder/Beam       42       34       8       0       0       Feet         Element Number       Defect Type       Defect Description       CS       CS Qty       Maint Qty         I10       Cracking (RC and Other)       (7) UP TO 1/64 INCHES WRAPAROUND CRACKS AT RANDOM THROUGHOUT.       2       7       Feet         I10       Delamination/Spall       6 INCHES X 3 INCHES X 1 INCH DEEP SPALL ON NORTH FACE AT BENT 3       2       1       1       Feet								
		Element Name						
110	Reinfor	ced Concrete Open Girder/Beam	42	34	8	0	0 F	Feet
	Defect Type	Defect Descripti	ion		CS	CS Qty		
✓ 110	0.		IND CRACKS		2	7	-	Feet
✓ 110	Delamination/Spall		EP SPALL ON		2	1	1	Feet
	General Comments							

Span 4

### Beam 2

#### **Reinforced Concrete Girder**

	<b>nent</b> nber Reinfor	Element Name rced Concrete Open Girder/Beam	Total Qty 42	<b>CS1</b> <b>Qty</b> 26	<b>CS2</b> Qty 15	CS3 Qty 1	CS4 Qty 0 Feet	
Elemen Numbe	Defect Turne	Defect Descripti	ion		CS	CS Qty	Maint Qty	
<b>v</b> 110	Cracking (RC and Other)	6 INCHES X 1/16 INCHES DIAGONA BOTTOM FACE AND EXTENDING U ONTO NORTH FACE, 2 FEET FROM	P TO 4 INCHES		3	1	1 Feet	

Structure	Number: 700028			Inspectio	n Date: <u>11/02/2022</u>
✓ 110	Cracking (RC and Other)	(2) UP TO 10 INCHES X 1/32 INCHES VERTICAL CRACKS ON NORTH FACE AT BENT 3	2	2	Feet
<b>√</b> 110	Cracking (RC and Other)	(2) UP TO 24 INCHES X 1/64 INCHES VERTICAL CRACKS ON EAST FACE OF BENT 3 END DIAPHRAGM BETWEEN BEAMS 2 AND 3.	2	2	Feet
<b>√</b> 110	Cracking (RC and Other)	(7) UP TO 1/64 INCHES WRAPAROUND CRACKS AT RANDOM THROUGHOUT.	2	7	Feet
✓ 110	Cracking (RC and Other)	30 INCHES X 1/32 INCHES HORIZONTAL CRACK ON NORTH FACE 1 FEET FROM BENT 3.	2	3	Feet
✓ 110	Delamination/Spall	5 INCHES X 3 INCHES X 1/2 INCHES DEEP SPALL ON EAST FACE OF BENT 3 END DIAPHRAGM BETWEEN BEAMS 2 AND 3.	2	1	1 Feet

#### Beam 3

#### **Reinforced Concrete Girder**

Elen Num 110	nber	Element Name ced Concrete Open Girder/Beam	Total Qty 42	<b>CS1</b> <b>Qty</b> 37	<b>CS2</b> Qty 5	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet
Element	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty
/ 110	Cracking (RC and Other)	(4) UP TO 1/64 INCHES WRAPAROL AT RANDOM THROUGHOUT	JND CRACKS		2	4	Feet
7 110	Cracking (RC and Other)	33 INCHES X 1/64 INCHES VERTICA EAST FACE OF BENT 3 END DIAPH BETWEEN BEAMS 3 AND 4.			2	1	Feet

**General Comments** 

### Span 4

Span 4

Beam 4

#### **Reinforced Concrete Girder**

Elen Num 110	nber	Element Name ed Concrete Open Girder/Beam	Total Qty 42	<b>CS1</b> Qty 33	CS2 Qty 8	CS3 Qty 1	CS4 Qty 0 Feet	
Element Number	Dofoot Tuno	Defect Description			CS	CS Qty	Maint Qty	
<b>v</b> 110	Cracking (RC and Other)	20 INCHES X 1/16 INCHES DIAGONAL SOUTH FACE AT BENT 3	CRACK ON		3	1	1 Fe	et
✓ 110	Cracking (RC and Other)	(4) UP TO 1/64 INCHES WRAPAROUND AT RANDOM THROUGHOUT.	CRACKS		2	4	Fe	et
✓ 110	Delamination/Spall	4 INCH X 7 INCH AREA OF DELAMINAT LEFT SIDE OF BEAM AT BENT 3	ION ON		2	1	1 Fe	et
<b>√</b> 110	Exposed Rebar	2 FEET OF UP TO 4 INCHES X 4 INCHE INCHES DEEP SPALLS WITH EXPOSE REINFORCING ON SOUTH FACE 2 FEE BENT 3.	C		2	2	2 Fe	et
<b>V</b> 110	Exposed Rebar	6 INCH X 4 INCHES X 1/2 INCHES DEE WITH EXPOSED REINFORCING ON EA OF BENT 3 END DIAPHRAGM BETWEE AND 5.	ST FACE		2	1	1 Fe	et

#### Span 4

## Reinforced Concrete Girder

Element Number 110	Reinfor	Element Name ced Concrete Open Girder/Beam	Total Qty 42	<b>CS1</b> Qty 34	CS2 Qty 7	<b>CS3</b> Qty 1	CS4 Qty 0 Feet
Element Number Dei	fect Type	Defect Descript	ion		cs	CS Qty	Maint Qty
<b>110</b> Delamina	ation/Spall	4 INCHES X 3 INCHES X 4 INCHES ON NORTH FACE AT BENT 3	DEEP SPALL		3	1	1 Feet
<b>110</b> Cracking Other)	(RC and	(7) UP TO 1/64 INCHES WRAPAROL AT RANDOM THROUGHOUT.	JND CRACKS		2	7	Feet

General Comments

Span 4
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#### **Near Bearing**

Beam 5

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	- Dofoot Tuno	Defect Description			CS	CS Qty	Maint Qty	
∕ 316	Corrosion	RUST SCALE, BEARING ASSEMBLY.			3	1	-	1 Each
/ 515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.			4	1		1 Square Fee

Span 4

#### **Near Bearing**

#### Other Bearing

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoot Typo	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	RUST SCALE, BEARING ASSEMBLY.			3	1		1 Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	RUST SCALE, BEARING ASSEMBLY.			4	1		1 Square Feet

General Comments

### Span 4

#### Wearing Surface

#### Asphalt Wearing Surface

Elen Nun 510	nber	Element Name Surface	<b>Total</b> <b>Qty</b> 1,169	<b>CS1</b> <b>Qty</b> 1,141	<b>CS2</b> Qty 28	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 S	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
<b>√</b> 510	Crack (Wearing Surface)	6 SQUARE FEET HAIRLINE TRA AT END BENT 2	NSVERSE CRACK	(	2	28	28	Square Feet

#### General Comments

NEW WEARING SURFACE OVERLAY

#### Left Bridge Rail

#### Span 4

#### **Concrete Railing**

Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	42	28	8	6	0	Feet
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
	Cracking (RC and Dther)	(4) UP TO 1/16 INCHES CRACKS Of NORTH FACE 18 FEET FROM END			3	4	4	4 Feet
<mark>√</mark> 331 D	Damage	20 INCHES OF UP TO 1/2 INCHES O 1/16 INCH WRAPAROUND CRACKS FACES OF RAIL 15 FEET FROM BE	ON ALL		3	2		Feet
<mark>√</mark> 331 D	Delamination/Spall	3 INCHES X 2 INCHES X 2 INCHES ON TOP AND SOUTH FACES, 19 FE BENT 2.			3	1		1 Feet
	Cracking (RC and Dther)	(6) UP TO 1/32 INCHES WRAPAROL AT RANDOM THROUGHOUT RAIL A			2	6		Feet
<b>√ 331</b> D	Delamination/Spall	2 INCH DIAMETER X 3/4 INCH DEEI SOUTH FACE, 13 FEET FROM FRO			2	1		1 Feet

**General Comments** 

Spa	an 4	Right Bridge	e Rail					
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	42	35	7	0	0	Feet
Elemer Numbe	Dofoot Tuno	Defect Descri	ption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(2) UP TO 1/32 INCHES WRAPAR AT RANDOM THROUGHOUT RAIL			2	2	-	Feet
331	Cracking (RC and Other)	(5) UP TO 1/32 INCHES WRAPAR AT RANDOM THROUGHOUT CUR			2	5		Feet

**General Comments** 

#### End Bent 1

#### Abutment

#### **Reinforced Concrete Abutment**

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinfor	ced Concrete Abutment	29	0	0	29	0 Feet
Elemer Numbe	Dofoot Typo	Defect Descr	ption		CS	CS Qty	Maint Qty
<b>√</b> 215	Scour	29 FEET X 38 INCHES DEEP UND UNDER END BENT 1 CAP (PAR)	DERNEATH		3	29	29 Feet
<b>v</b> 215	Cracking (RC and Other)	(2) UP TO 33 INCHES X 1/64 INCH CRACKS AT RANDOM THROUGH			2		Feet
<b>√</b> 215	Cracking (RC and Other)	3 FEET X 2 FEET AREA OF UP TO VERTICAL CRACKS, SOME WITH EFFLORESCENCE AT NORTH EN			2		Feet
<mark>√</mark> 215	Cracking (RC and Other)	36 INCHES X 42 INCHES AREA O INCHES MAP CRACKING AT NOF			2		Feet

Structure Number: 700028

Cap 1

#### Bent 1

#### Reinforced Concrete Pier Cap

Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinfor	ced Concrete Pier Cap	29	12	8	9	0 Feet
Elemen Number	Defect Trues	Defect Description			CS	CS Qty	Maint Qty
✓ 234	Delamination/Spall	10 INCHES X 10 INCHES X 1 1/2 INCHE SPALL AND AREA OF DELAMINATION A SOUTHEAST CORNER	-		3	1	1 Feet
<mark>√</mark> 234	Exposed Rebar	(2) UP TO 8 INCHES X 12 INCHES X 1/2 DEEP SPALLS WITH EXPOSED REINFO WEST FACE BETWEEN BEAMS 2 AND	ORCING ON		3	2	2 Feet
✓ 234	Exposed Rebar	14 INCHES X 26 INCHES X 2.5 INCHES SPALL WITH EXPOSED REBAR ON BO BETWEEN PILES 1 AND 2 (PAR)			3	2	2 Feet
<mark>√</mark> 234	Exposed Rebar	45 INCHES X 7 INCHES X 6 INCHES DE WITH EXPOSED REINFORCING ON WE BENEATH BEAM 1 AT BOTTOM OF CAI	ST FACE		3	4	4 Feet
✓ 234	Cracking (RC and Other)	(2) UP TO 9 INCHES X 1/64 INCHES VE CRACKS ON EAST FACE BENEATH BE			2	2	Feet
✓ 234	Cracking (RC and Other)	21 INCHES X 1/32 INCHES VERTICAL C FACE BEGINNING AT BOTTOM OF CAP			2	1	Feet
<b>√</b> 234	Cracking (RC and Other)	6 INCHES X 1/64 INCHES DIAGONAL C EAST FACE BENEATH BEAM 1.	RACK ON		2	1	Feet
<b>√</b> 234	Cracking (RC and Other)	8 INCHES X 1/32 INCHES VERTICAL CF WEST FACE AT SOUTH END.	RACK ON		2	1	Feet
✓ 234	Cracking (RC and Other)	9 INCHES X 1/32 INCHES VERTICAL CF SOUTH FACE AT TOP OF CAP.	RACK ON		2	1	Feet
✓ 234	Delamination/Spall	4 INCH X 3 INCH X 1 INCH DEEP SPALI BOTTOM OF CAP AT SOUTH END	_ ON		2	1	1 Feet
<b>√</b> 234	Patched Area	8 INCHES X 7 INCHES X 5 INCHES DEE ON THE SOUTHEAST CORNER AT BOT CAP (PATCHED)	-		2	1	Feet

Ben	t 1	Pile 1						
Stee	el Column							
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
202	Steel Co	blumn	1	0	1	0	0	Each
515	Steel Pr	otective Coating	180	164	0	0	16	Square Feet
Elemen Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 202	Corrosion	7 FEET OF PEELING PAINT WIT SURFACE RUST AT RANDOM T			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	16 SQUARE FEET OF FAILED C	OATING.		4	16	1	6 Square Feet
-	General Comments							

Be	nt 1	Pile 2						
Ste	el Pile							
	ement umber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel P	ile	1	0	1	0	0	Each
515	Steel P	rotective Coating	180	176	0	0	4	Square Feet
Eleme Numb	Dofact Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
<b>√</b> 225	Corrosion	6 FEET OF PEELING PAINT WITI SURFACE RUST AT RANDOM TH			2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FAILED CO.	ATING		4	4		4 Square Feet
	General Comments							

#### Bent 1

Pile 3

#### **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> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each
Element Number	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty
<b>√</b> 205	Abrasion/Wear (PSC/RC)	1 FEET OF ABRASION WITH EX AGGREGATE ON ALL FACES, 7 BOTTOM OF CAP			2	1	Each
<mark>√</mark> 205	Cracking (RC and Other)	10 INCHES X 24 INCHES AREA INCHES MAP CRACKING ON EA FROM BOTTOM OF CAP			2		Each

**General Comments** 

#### Bent 1 Pile 4 **Reinforced Concrete Column** Element CS1 CS2 CS3 CS4 Total Number **Element Name** Qty Qty Qty Qty Qty 205 **Reinforced Concrete Column** 1 0 1 0 0 Each Element Maint **Defect Type Defect Description** CS CS Qty Number Qty 🖌 205 1 FEET OF ABRASION WITH EXPOSED COARSE 2 Abrasion/Wear Each 1 (PSC/RC) AGGREGATE ON ALL FACES, 7 FEET FROM BOTTOM OF CAP Cracking (RC and (2) UP TO 30 INCHES HAIRLINE HORIZONTAL 2 Each ✓ 205 Other) CRACKS ON SOUTH FACE Cracking (RC and 3 FEET X 1 FEET AREA OF UP TO 1/64 INCHES 2 Each ✓ 205 Other) MAP CRACKING ON WEST FACE AND EXTENDING 6 INCHES ONTO SOUTH FACE AT BOTTOM OF CAP. 18 INCHES X 46 INCHES SOUND PATCHED AREA 2 ✓ 205 Patched Area Each ON EAST FACE AT TOP OF CAP

Structure Number: 700028

Bei	nt 1	Pile 5						
Ste	el Column							
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
202	Steel Co	blumn	1	0	1	0	0	Each
515	Steel Pr	otective Coating	180	176	0	0	4	Square Feet
Eleme Numbe	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 202	Corrosion	5 FEET OF PEELING PAINT WIT SURFACE RUST AT RANDOM T			2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FAILED CC	ATING.		4	4		4 Square Feet
	Conorol Commonto							

**General Comments** 

Ben	it 1	Pile 6						
Stee	el Column							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
202	Steel Co	blumn	1	0	1	0	0	Each
515	Steel Pr	otective Coating	180	173	0	0	7	Square Feet
Elemen Numbe	Dofact Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 202	Corrosion	5 FEET PEELING PAINT WITH R SURFACE RUST AT RANDOM T			2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	7 SQUARE FEET OF FAILED CO	ATING.		4	7	7	7 Square Feet
-	General Comments							

**General Comments** 

### Bent 2

Cap 1

### **Reinforced Concrete Pier Cap**

Elen Nurr		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	29	13	11	5	0	Feet
Element Number	Dofoot Tuno	Defect Description	l		CS	CS Qty	Maint Qty	
<b>√</b> 234	Exposed Rebar	19 INCH X 12 INCH X 4 INCH DEEP SP EXPOSED REINFORCING AND AREA DELAMINATION ON SOUTHWEST BOT CORNER (PAR)	OF		3	2	2	2 Feet
✔ 234	Patched Area	21 INCHES X 4 INCHES X 3 INCHES D WITH ASSOCIATED 32 INCHES X 1/32 VERTICAL CRACK ON WEST FACE BE BEAM 3 AND ASSOCIATED 22 INCHES INCHES DELAMINATION ON BOTTOM (PATCHED WITH HAIRLINE VERTICAL	INCHES ENEATH S X 9 FACE		3	3	3	3 Feet
✓ 234	Cracking (RC and Other)	(3) UP TO 30 INCHES X 1/64 INCHES V CRACKS AT RANDOM THROUGHOUT FACE.			2	3		Feet
<mark>√</mark> 234	Cracking (RC and Other)	12 INCHES X 6 INCHES AREA OF UP 1 INCHES AREA OF LONGITUDINAL ANI CRACKS ON EAST FACE BETWEEN B 3, 2 FEET BELOW TOP OF CAP.	D VERTICAL		2	1		Feet

Structure	Number: 700028			Inspection	Date: <u>11/02/2022</u>
<mark>√</mark> 234	Delamination/Spall	6 INCH X 4 INCH X 1/2 INCH DEEP SPALL ON EAST FACE 2 FEET BELOW TOP OF CAP BENEATH BEAM 2	2	1	1 Feet
<mark>√</mark> 234	Exposed Rebar	5 INCHES X 2 INCHES X 1/4 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON NORTH FACE 8 INCHES FROM TOP OF CAP	2	1	1 Feet
<mark>√</mark> 234	Patched Area	10 INCHES X 5 INCHES X 1 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON BOTTOM FACE BENEATH BEAM 3 (PATCHED)	2	1	Feet
<mark>√</mark> 234	Patched Area	28 INCHES X 9 INCHES DELAMINATION ON BOTTOM FACE BETWEEN BEAMS 2 AND 3 (PATCHED)	2	3	Feet
✓ 234	Patched Area	4 INCH X 7 INCH AREA OF SOUND PATCH ON SPAN 3 FACE UNDER BAY 1	2	1	Feet

Bent 2

Pile 1

**Steel Column** 

Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
202	Steel Co	olumn	1	0	1	0	0 Each
515	Steel Pro	otective Coating	180	165	0	0	15 Square Feet
Elemen Number	Dofact Type	Defect Descrip	otion		CS	CS Qty	Maint Qty
<b>√</b> 202	Corrosion	6 FEET OF PEELING PAINT WITH SURFACE RUST AT RANDOM THE			2	1	Each
202	Corrosion	U/W 12/11/19 - 1/4 INCH FEET TO DIAMETER RUST BLOOMS BELOV			2		Each
✓ 515	Effectiveness (Steel Protective Coatings)	14 SQUARE FEET OF FAILED COA	ATING.		4	14	14 Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN CORROSION	AREAS OF		4	1	1 Square Feet
-	General Comments						

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Bent 2 Steel Pile Pile 2

CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 225 Steel Pile 0 1 0 0 Each 1 515 0 Steel Protective Coating 180 176 0 4 Square Feet Element Maint CS Qty **Defect Type Defect Description** CS Number Qty 2 FEET OF PEELING PAINT WITH RUST AND 2 🗸 225 Corrosion 1 Each SURFACE RUST AT RANDOM THROUGHOUT. Corrosion U/W 12/11/19 - 1/4 INCH TO 1 INCH DIAMETER 2 Each 225 RUST BLOOMS BELOW W/L Effectiveness (Steel 4 3 3 Square Feet ✓ 515 3 SQUARE FEET OF FAILED COATING. Protective Coatings) Effectiveness (Steel U/W 12/11/19 COATING FAILED IN AREAS OF 4 1 1 Square Feet 515 Protective Coatings) CORROSION **General Comments** 

Structure Number: 700028

#### Bent 2

#### 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> <b>Qty</b> 0	<b>CS3</b> Qty 1	<b>CS4</b> Qty 0	Each
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 205	Efflorescence/Rust Staining	15 INCHES X UP TO 1/32 INCHES VERT CRACK WITH EFFLORESCENCE AND H BUILDUP ON EAST FACE AT BOTTOM (WEST FACE SIMILAR)	HEAVY		3		:	2 Each
<b>205</b>	Patched Area	(2) UP TO 9 INCHES X 3 INCHES X 3 IN DEEP SPALLS WITH ASSOCIATED 40 II 16 INCHES DELAMINATION ON WEST F FEET BELOW BOTTOM OF CAP (PATCI	NCHES X FACE 1		3	1		4 Each
<b>√</b> 205	Abrasion/Wear (PSC/RC)	1 FEET OF ABRASION WITH EXPOSED AGGREGATE ON ALL FACES 7 FEET F BOTTOM OF CAP.			2			Each
205	Abrasion/Wear (PSC/RC)	U/W 12/11/19 - COARSE AGGREGATE E TO 5/16 INCHES	EXPOSURE		2			Each
<b>√</b> 205	Patched Area	4 INCHES X 3 INCHES X 1/2 INCHES DE WITH EXPOSED REINFORCING ON EA FEET FROM BOTTOM OF CAP (PATCH	ST FACE 4		2			Each

General Comments

#### Bent 2

Pile 4

#### **Reinforced Concrete Column**

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ced Concrete Column	1	0	0	1	0	Each
Elemen Numbe	- Defect Tune	Defect Description			CS	CS Qty	Maint Qty	
✓ 205	Efflorescence/Rust Staining	19 INCHES X 1/64 INCHES VERTICAL ( WITH EFFLORESCENCE AND HEAVY I WEST FACE AT BOTTOM OF CAP.			3	1	:	2 Each
<b>√</b> 205	Abrasion/Wear (PSC/RC)	1 FEET OF ABRASION WITH EXPOSED AGGREGATE ON ALL FACES 7 FEET F BOTTOM OF CAP.			2			Each
205	Abrasion/Wear (PSC/RC)	U/W 12/11/19 - COARSE AGGREGATE TO 5/16 INCHES	EXPOSURE		2			Each
<b>√</b> 205	Cracking (RC and Other)	30 INCH HARLINE VERTICAL CRACK V EFFLORESCENCE ON SPAN 3 FACE	VITH		2			Each
✓ 205	Cracking (RC and Other)	30 INCHES X 10 INCHES AREA OF UP INCHES MAP CRACKING WITH EFFLO ON WEST FACE AT TOP OF CAP.			2			Each
<b>√</b> 205	Cracking (RC and Other)	55 INCHES X 1/32 INCHES VERTICAL O WITH EFFLORESCENCE ON WEST FA FROM BOTTOM OF CAP.	••••••		2			Each
<b>√</b> 205	Patched Area	20 INCHES X 10 INCHES PATCHED AR WEST FACE AT BOTTOM OF CAP.	REA ON		2			Each

#### Bent 2

#### Pile 5

#### **Steel Column**

Elen Num	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
202	Steel Co	blumn	1	0	1	0	0 Each
515	Steel Pr	otective Coating	180	169	0	0	11 Square Feet
Element Number	Dofact Type	Defect Descri	ption		CS	CS Qty	Maint Qty
✓ 202	Corrosion	7 FEET OF PEELING PAINT WITH SURFACE RUST AT RANDOM TH			2	1	Each
202	Corrosion	U/W 12/11/19 - 1/4 INCH TO 1 INCI RUST BLOOMS BELOW W/L	H DIAMETER		2		Each
✓ 515	Effectiveness (Steel Protective Coatings)	10 SQUARE FEET OF FAILED CO	ATING.		4	10	10 Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN CORROSION	I AREAS OF		4	1	1 Square Feet
-	General Comments						

#### Bent 2

Pile 6

#### **Steel Pile**

Elen Num 225		Element Name e	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 E	ach
515	Steel Pr	otective Coating	180	167	0	0	13 S	quare Feet
Element Number	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 225	Corrosion	7 FEET OF PEELING PAINT WI SURFACE RUST AT RANDOM			2	1	-	Each
225	Corrosion	U/W 12/11/19 - 1/4 INCH TO 1 II RUST BLOOMS BELOW W/L	NCH DIAMETER		2			Each
✓ 515	Effectiveness (Steel Protective Coatings)	12 SQUARE FEET OF FAILED (	COATING.		4	12	12	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILEE CORROSION	IN AREAS OF		4	1	1	Square Feet

**General Comments** 

#### End Bent 2

#### Abutment

#### **Reinforced Concrete Abutment**

Elen Num 215	iber	Element Name rced Concrete Abutment	Total Qty 29	<b>CS1</b> <b>Qty</b> 12	<b>CS2</b> Qty 17	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
<b>√</b> 215	Cracking (RC and Other)	(2) UP TO 6 FEET X 1/64 INCHES H CRACKS AT NORTH END	ORIZONTAL		2	6	Feet	
✓ 215	Cracking (RC and Other)	10 FEET X 12 FEET AREA OF HAIR CRACKING ON NORTHEAST ABUT EXTENSION			2	10	Feet	
✓ 215	Cracking (RC and Other)	18 INCHES X 1/64 INCHES VERTIC/ NORTH END	AL CRACK AT		2	1	Feet	_
ī	General Comments							-

#### End 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	29	8	17	4	0	Feet
Elemen Numbe	Defect Tune	Defect Description	n		CS	CS Qty	Maint Qty	
<mark>√</mark> 234	Delamination/Spall	(2) UP TO 8 INCHES X 6 INCHES X 1 I SPALL ON WEST FACE OF BEAM 2 B TOP OF CAP.			3	2	2	2 Feet
<b>v</b> 234	Delamination/Spall	10 INCHES X 8 INCHES X 1/4 INCHES SPALL BETWEEN BEAMS 1 AND 2 AT CAP.			3	1		I Feet
<mark>√</mark> 234	Delamination/Spall	4 INCHES X 5 INCHES X 3 INCHES DE BETWEEN BEAMS 4 AND 5 AT TOP O			3	1		Feet
<mark>√</mark> 234	Cracking (RC and Other)	(5) UP TO 14 INCHES X 1/64 INCHES CRACKS AT RANDOM THROUGHOUT			2	5		Feet
<mark>√</mark> 234	Cracking (RC and Other)	3 FEET X 4 FEET AREA OF UP TO 1/6 MAP CRACKING AT NORTH END	4 INCHES		2	3		Feet
<b>√</b> 234	Exposed Rebar	8 INCHES X 2 INCHES X 1/2 INCHES I WITH EXPOSED REINFORCING AT TO BENEATH BEAM 3.			2	1		I Feet
<mark>√</mark> 234	Patched Area	20 INCHES X 18 INCHES PATCHED A BETWEEN BEAMS 1 AND 2 AT TOP O			2	2		Feet
✓ 234	Patched Area	6 FEET X 16 INCHES PATCHED AREA CAP BENEATH BEAM 5.	AT TOP OF		2	6		Feet

Band	4.0		Crutch Bont Co	~					
Bent	[3		Crutch Bent Ca	ρ					
Stee	l Pier Cap								
Elen Num		Element Nam	e	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	S	Steel Pier Cap		35	14	21	0	0	Feet
515	S	steel Protective Coating		237	117	30	0	90	Square Feet
Element Number	Defect T	vpe	Defect Description	n		CS	CS Qty	Maint Qty	
∕ 231	Corrosion	ISOLATED LOCA	OF FRECKLED RUST ATIONS OF SURFACE UGHOUT FLANGES A BENT CAP.	RUST AT		2	20	-	Feet
<u>/</u> 231	Damage		STORTION UP TO 1.2 II FLANGE OF ROW 1			2	1		Feet
∕ 515	Effectiveness ( Protective Coa		T OF FAILED COATIN	IG.		4	90	90	O Square Feet
∕ 515	Effectiveness ( Protective Coar		T OF FRECKLED RUS	ST.		2	30	3	O Square Feet
ī	General Comm	ents							

#### Bent 3

#### **Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	1	0	0 Each
515	Steel Protective Coating	119	103	10	0	6 Square Feet

Eleme Numbe	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
✓ 225	Corrosion	35 FEET OF SURFACE RUST ON WEST CROSS BRACING.	2			Each
✓ 225	Corrosion	8 FEET OF FRECKLED RUST WITH ISOLATED LOCATIONS OF SURFACE RUST AT RANDOM THROUGHOUT.	2	1		Each
225	Corrosion	U/W 12/11/19 - RUST INCHES AREAS FAILED COATING	2			Each
✓ 515	Effectiveness (Steel Protective Coatings)	3 SQUARE FEET OF FAILED COATING.	4	3	3	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	3	3	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	10 SQUARE FEET OF FRECKLED RUST.	2	10	10	Square Feet
	General Comments					

**General Comments** 

Row 1 Pile 2

### Bent 3 Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	1	0	0 Each
515	Steel Protective Coating	119	101	8	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<b>√</b> 225	Corrosion	2 FEET OF SURFACE RUST ON TOP PILE.	2		Each
225	Corrosion	7 FEET OF FRECKLED RUST WITH ISOLATED LOCATIONS OF SURFACE RUST AT RANDOM THROUGHOUT.	2	1	Each
<mark>√</mark> 225	Corrosion	U/W 12/11/19 - RUST INCHES AREAS FAILED COATING	2		Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATING.	4	1	1 Square Feet
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FAILED COATING ON TOP PILE.	4	4	4 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	5	5 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	8 SQUARE FEET OF FRECKLED RUST.	2	8	8 Square Feet
ī	General Comments				

Bent 3

#### **Steel Pile**

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pil	e	1	0	1	0	0	Each
515	Steel Pr	otective Coating	119	98	12	0	9	Square Feet
Elemen Numbe	Dofact Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
225	Corrosion	8 FEET OF FRECKLED RUST WI LOCATIONS OF SURFACE RUS THROUGHOUT.			2	1		Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS	FAILED COATING		2			Each
515	Effectiveness (Steel Protective Coatings)	6 SQUARE FEET OF FAILED CO	ATING.		4	6	6	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED CORROSION	IN AREAS OF		4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	12 SQUARE FEET OF FRECKLE	D RUST.		2	12	12	2 Square Feet

**General Comments** 

# Bent 3

### Row 1 Pile 6

#### **Steel Pile**

	<b>ment</b> mber Steel Pil	Element Name e	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 E	Each
515	Steel Pr	otective Coating	119	88	10	0	21 S	Square Feet
Elemer Numbe	Dofoot Tuno	Defect Descriptio	n		CS	CS Qty	Maint Qty	
<b>√</b> 225	Corrosion	8 FEET OF FRECKLED RUST WITH IS LOCATIONS OF SURFACE RUST AT F THROUGHOUT.	-		2	1	-	Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILE	D COATING		2			Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	3 SQUARE FEET OF FAILED COATING	Э.		4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AR CORROSION	EAS OF		4	18	18	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	10 SQUARE FEET OF FRECKLED RU	ST.		2	10	10	Square Feet
	General Comments							

#### Bent 3

#### Row 1 Pile 7

#### **Steel Pile**

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	S	teel Pile	1	0	1	0	0 Each
515	S	teel Protective Coating	119	101	4	0	14 Square Feet
Elemen Numbe	Dofoot Tu	pe Defect Descri	ption		CS	CS Qty	Maint Qty
✓ 225	Corrosion	1 FEET OF SCALING ON TOP SO TOP PILE.	LE PLATE OF		2	1	Each
✓ 225	Corrosion	2 FEET OF SURFACE RUST AT R. THROUGHOUT TOP PILE.	ANDOM		2		Each

Structure	Structure Number: 700028 Inspection Date: 11/02/2022							
✓ 225	Corrosion	7 FEET OF FRECKLED RUST WITH ISOLATED LOCATIONS OF SURFACE RUST AT RANDOM THROUGHOUT.	2		Each			
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILED COATING	2		Each			
✓ 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF FAILED COATING.	4	2	2 Square Feet			
✓ 515	Effectiveness (Steel Protective Coatings)	6 SQUARE FEET OF FAILED COATING ON TOP PILE.	4	6	6 Square Feet			
✓ 515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	4	4 Square Feet			
✓ 515	Peeling/Bubbling/Crac ing (steel Protective Coatings)	k 2 SQUARE FEET OF PEELING PAINT EXPOSING BARE STEEL.	4	2	2 Square Feet			
✓ 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FRECKLED RUST.	2	4	4 Square Feet			
	General Comments							

Row 1 Pile 8

### Bent 3 Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	1	0	0 Each
515	Steel Protective Coating	119	105	6	0	8 Square Feet

Elemer Numbe	Dofact Type	Defect Description	cs	CS Qty	Maint Qty	
<b>√</b> 225	Corrosion	35 FEET OF SURFACE RUST ON EAST CROSS BRACING.	2			Each
<b>√</b> 225	Corrosion	8 FEET OF FRECKLED RUST WITH ISOLATED LOCATIONS OF SURFACE RUST AT RANDOM THROUGHOUT.	2			Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILED COATING	2	1		Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF FAILED COATING.	4	2	2	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF PEELING PAINT EXPOSING BARE STEEL.	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	4	4	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	6 SQUARE FEET OF FRECKLED RUST.	2	6	6	Square Feet
	General Comments					

Ben Stee	it 3 el Pile		Row 2 Pile 1					
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225		Steel Pile	1	0	1	0	0	Each
515		Steel Protective Coating	119	111	4	0	4	Square Feet
Elemen Numbe	Dofoct	Туре	Defect Description		CS	CS Qty	Maint Qty	
✓ 225	Corrosion		KLED RUST WITH ISOLATED SURFACE RUST AT RANDOM		2			Each
225	Corrosion	U/W 12/11/19 - RI	JST IN AREAS FAILED COATING	3	2	1		Each

Structure	ructure Number: 700028 Inspection Date: 11/02/2022							
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATING.	4	1	1 Square Feet			
✓ 515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	2	2 Square Feet			
✓ 515	Peeling/Bubbling/Cracl ing (steel Protective Coatings)	( 1 SQUARE FEET OF PEELING PAINT EXPOSING BARE STEEL.	4	1	1 Square Feet			
✓ 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FRECKLED RUST.	2	4	4 Square Feet			
	General Comments							

### Bent 3

### Row 2 Pile 2

#### **Steel Pile**

	nent nber Steel Pil Steel Pr	Element Name e otective Coating	Total Qty 1	<b>CS1</b> Qty 0 108	<b>CS2</b> <b>Qty</b> 1 7	<b>CS3</b> <b>Qty</b> 0		Each Square Feet
Elemen Numbe	Defect Turne	Defect Description			CS	CS Qty	Maint Qty	
✓ 225	Corrosion	7 FEET OF FRECKLED RUST WITH ISO LOCATIONS OF SURFACE RUST AT RA THROUGHOUT.			2	1	-	Each
✓ 225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILED	COATING		2			Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATING.			4	1		1 Square Feet
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF FAILED COATING ( PILE.	ON TOP		4	2		2 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN ARE/ CORROSION	AS OF		4	1		1 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FRECKLED RUST ( PILE.	ON TOP		2	1		1 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	6 SQUARE FEET OF FRECKLED RUST.			2	6		6 Square Feet
✓ 515	Effectiveness (Steel				2	6		6 Square

**General Comments** 

Bent 3

Row 2 Pile 3

	nent nber Steel Pil	Element Name e	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
515	Steel Pro	ptective Coating	119	111	6	0	2	Square Feet
Elemen Numbe	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
<b>√</b> 225	Corrosion	8 FEET OF FRECKLED RUST WITH I LOCATIONS OF SURFACE RUST AT THROUGHOUT.			2	1		Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAIL	ED COATING		2			Each
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATIN	IG.		4	1		1 Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN A CORROSION	REAS OF		4	1		1 Square Feet
∕ 515	Effectiveness (Steel Protective Coatings)	6 SQUARE FEET OF FRECKLED RUS	ST.		2	6	(	6 Square Feet

#### Bent 3

#### **D** - -

#### Steel Pile

Siet								
	nent nber Steel Pil	Element Name e	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 Eac	h
515	Steel Pr	otective Coating	119	113	4	0	2 Squ	are Feet
Elemen Numbe	Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
✓ 225	Corrosion	8 FEET OF FRECKLED RUST WITH IS LOCATIONS OF SURFACE RUST AT THROUGHOUT.	-		2		E	ach
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILE	D COATING		2	1	E	ach
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATIN	G.		4	1	1 S	quare Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AR CORROSION	REAS OF		4	1	1 S	quare Feet
✓ 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FRECKLED RUS	T.		2	4	4 S	quare Feet
-	General Comments							

#### Bent 3

#### Row 2 Pile 5

Steel	Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	1	0	0 Each
515	Steel Protective Coating	119	107	8	0	4 Square Fee

Elemer Numbe	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<b>√</b> 225	Corrosion	8 FEET OF FRECKLED RUST WITH ISOLATED LOCATIONS OF SURFACE RUST AT RANDOM THROUGHOUT.	2		Ea	ach
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILED COATING	2	1	Ea	ach
✓ 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF FAILED COATING.	4	2	2 So	quare Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	2	2 So	quare Feet
✓ 515	Effectiveness (Steel Protective Coatings)	8 SQUARE FEET OF FRECKLED RUST.	2	8	8 So	quare Feet
	<b>O</b>					

Bent Steel	-	Row 2 Pile 6	5					
Elem Num	••••	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
225	Steel	Pile	1	0	1	0	0	Each
515	Steel	Protective Coating	119	112	2	0	5	Square Feet
Element Number	Defect Type	Defect Descri	iption		CS	CS Qty	Maint Qty	
✓ 225	Corrosion	8 FEET OF FRECKLED RUST WIT LOCATIONS OF SURFACE RUST THROUGHOUT.			2		-	Each

Structure	Number: 700028			Inspecti	ion Date: <u>11/02/2022</u>
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILED COATING	2	1	Each
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATING.	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN AREAS OF CORROSION	4	4	4 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF FRECKLED RUST.	2	2	2 Square Feet
	0				

### Row 2 Pile 7

### Bent 3 **Steel Pile**

	<b>nent</b> nber Steel Pil	Element Name e	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> <b>Qty</b> 0	Each
515	Steel Pr	otective Coating	119	109	4	0	6	Square Feet
Elemen Numbe	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
✓ 225	Corrosion	7 FEET OF FRECKLED RUST WITH LOCATIONS OF SURFACE RUST AT THROUGHOUT.			2			Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAIL	ED COATING		2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FAILED COATII	NG.		4	1	1	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	3 SQUARE FEET OF FAILED COATII PILE.	NG ON TOP		4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN A CORROSION	REAS OF		4	2	2	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	1 SQUARE FEET OF FRECKLED RU PILE.	ST ON TOP		2	1	1	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	3 SQUARE FEET OF FRECKLED RU	ST.		2	3	3	Square Feet

**General Comments** 

Ben	nt 3	Row 2 Pile 8					
Ste	el Pile						
	ment mber Steel Pi	Element Name	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
515	Steel Pr	otective Coating	119	107	7	0	5 Square Feet
Elemer Numbe	Dofoot Typo	Defect Description	on		cs	CS Qty	Maint Qty
<b>v</b> 225	Corrosion	8 FEET OF FRECKLED RUST WITH I LOCATIONS OF SURFACE RUST AT THROUGHOUT.			2		Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAIL	ED COATING		2	1	Each
✓ 515	Effectiveness (Steel Protective Coatings)	2 SQUARE FEET OF FAILED COATIN	NG.		4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN A CORROSION	REAS OF		4	3	3 Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	7 SQUARE FEET OF FRECKLED RU	ST.		2	7	7 Square Feet
	General Comments						

Bent 3

#### **Steel Pile**

	nent nber			CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pil	e	1	0	1	0	0 E	Each
515	Steel Pr	otective Coating	119	100	12	0	7 \$	Square Feet
Elemen Number	Dofact Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
225	Corrosion	8 FEET OF FRECKLED RUST WI LOCATIONS OF SURFACE RUST THROUGHOUT.			2	1	-	Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS F	AILED COATING		2			Each
515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FAILED CO	ATING.		4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED I CORROSION	N AREAS OF		4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	12 SQUARE FEET OF FRECKLEE	D RUST.		2	12	12	Square Feet

**General Comments** 

# Bent 3

### Row 1 Pile 4

#### **Steel Pile**

	<b>ment</b> mber Steel Pil Steel Pr	Element Name e otective Coating	Total Qty 1 119	<b>CS1</b> <b>Qty</b> 0 98	<b>CS2</b> <b>Qty</b> 1 14	<b>CS3</b> <b>Qty</b> 0	-	ach iquare Feet
Elemer Numbe	Dofact Type	Defect Description	ı		CS	CS Qty	Maint Qty	
<b>√</b> 225	Corrosion	8 FEET OF FRECKLED RUST WITH IS LOCATIONS OF SURFACE RUST AT R THROUGHOUT.	-		2	1	-	Each
225	Corrosion	U/W 12/11/19 - RUST IN AREAS FAILE	D COATING		2			Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	4 SQUARE FEET OF FAILED COATING	Э.		4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	U/W 12/11/19 COATING FAILED IN ARI CORROSION	EAS OF		4	3	3	Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	14 SQUARE FEET OF FRECKLED RUS	ST.		2	14	14	Square Feet
	General Comments							

### **Elements Verfied**

Location	Name	Component	Element Name	Amount	
Span 1	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1346	
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43	
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43	
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1196	
Span 1	Near Bearing	Other Bearing	Other Bearings	1	
Span 1	Far Bearing	Other Bearing	Other Bearings	1	
Span 1	Far Bearing	Other Bearing	Other Bearings	1	
Span 1	Near Bearing	Other Bearing	Other Bearings	1	
Span 1	Near Bearing	Other Bearing	Other Bearings	1	
Span 1	Far Bearing	Other Bearing	Other Bearings	1	
Span 1	Far Bearing	Other Bearing	Other Bearings	1	
Span 1	Near Bearing	Other Bearing	Other Bearings	1	
Span 1	Near Bearing	Other Bearing	Other Bearings	1	
Span 1	Far Bearing	Other Bearing	Other Bearings	1	
Span 2	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1337	
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43	
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43	
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1188	
Span 2	Near Bearing	Other Bearing	Other Bearings	1	
Span 2	Far Bearing	Other Bearing	Other Bearings	1	
Span 2	Far Bearing	Other Bearing	Other Bearings	1	
Span 2	Near Bearing	Other Bearing	Other Bearings	1	
Span 2	Near Bearing	Other Bearing	Other Bearings	1	
Span 2	Far Bearing	Other Bearing	Other Bearings	1	
Span 2	Far Bearing	Other Bearing	Other Bearings	1	
Span 2	Near Bearing	Other Bearing	Other Bearings	1	
Span 2	Near Bearing	Other Bearing	Other Bearings	1	
Span 2	Far Bearing	Other Bearing	Other Bearings	1	
Span 3	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1347	
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	43	
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43	

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1196
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1316
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	42
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	42
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1169
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
Bent 1	Pile 1	Steel Column	Steel Column	1
Bent 1	Pile 2	Steel Pile	Steel Pile	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 5	Steel Column	Steel Column	1
Bent 1	Pile 6	Steel Column	Steel Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
End Bent 1	Pile 1	Steel Column	Steel Column	1
End Bent 1	Pile 2	Steel Pile	Steel Pile	1
End Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Pile 6	Reinforced Concrete Column	Reinforced Concrete Column	1

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	29
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
Bent 2	Pile 1	Steel Column	Steel Column	1
Bent 2	Pile 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 5	Steel Column	Steel Column	1
Bent 2	Pile 6	Steel Pile	Steel Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	29
Bent 3	Crutch Bent Cap	Steel Pier Cap	Steel Pier Cap	35
Bent 3	Row 2 Pile 1	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 1	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 2	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 2	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 3	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 3	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 4	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 4	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 5	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 5	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 6	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 6	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 7	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 7	Steel Pile	Steel Pile	1
Bent 3	Row 1 Pile 8	Steel Pile	Steel Pile	1
Bent 3	Row 2 Pile 8	Steel Pile	Steel Pile	1

# **General Inspection Notes**

Span 2 PAVED OVER	Expansion Joint
Span 3 PAVED OVER	Expansion Joint
Span 4	Expansion Joint
PAVED OVER	

# **National Bridge and NC Inspection Items**

Structure Number: 700028

Inspection Date: 11/02/2022

#### National Bridge Inventory Items

ltem	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	6	Note:
Item 59: Superstructure	0 - 9 , N	6	Items 5
Item 60: Substructure	0 - 9 , N	6	
Item 61: Channel and Channel Protection	0 - 9 , N	7	For ove see cov
Item 62: Culvert	0 - 9 , N	N	
Item 71: Waterway Adequacy	0 - 9 , N	7	
Item 72: Approach Roadway Alignment	0 - 9 , N	8	

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

or overall NBI coding grade, ee cover sheet.

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

#### **NC SMU Inspection Items**

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	5346	3376
Drainage System	G, F, P, or C	Р	46	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	32	3350
Field Scour Evaluation		о		
Drift	G, F, P, or C	F	2	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code				

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	8
Traffic Control Time	Hours	6
Snooper Time	Hours	6
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	Y

## National Bridge and NC SMU Inspection Item Details

ucture Num	<b>ber:</b> 700028		In	spection Date: 11/02/20
Item	Deck Debris	Grade F	Maint Code 3376	<b>Qty.</b> 5346
Details	FULL LENGTH X 1' DIRT AND DEBRIS IN NORTH GU	ITER (SOUTH GU	TTER SIMILAR)	
Item	Drainage System	Grade P	Maint Code 3332	<b>Qty.</b> 46
Details	80% OF DECK DRAINS ARE PARTIALLY OR COMPLE	TELY CLOGGED	WITH DEBRIS	
Item	Drift	Grade F	Maint Code 3366	<b>Qty.</b> 2
Details	3 FEET X 4 FEET X 18 INCHES HIGH DRIFT AND DEE (SPAN 3 FACE SIMILAR)	3RIS ON SPAN 4 F	ACE OF CRUBTCH BE	NT ON TOP OF PILE 4
Item	Wingwalls	Grade F	Maint Code 3350	<b>Qty.</b> 32
Details	4 FEET X 4 FEET AREA OF HAIRLINE MAP CRACKIN (SOUTHWEST WINGWALL SIMILAR)	G WITH EFFLORE	SCENCE ON NORTHW	EST WINGWALL
Item	Portion of structure in > 3' of water (Y or N)	Grade Y	Maint Code	<b>Qty.</b> 0
Details	BENT 3 IS IN 6.2' OF WATER			

County: PENDER

Date: 11/02/2022

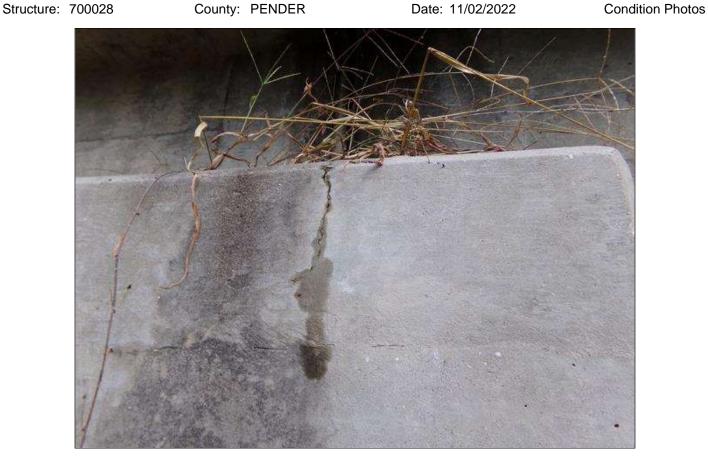
**Condition Photos** 



Bent 1 Cap 1: 8" X 7" X 5" DEEP SPALL IN THE SOUTHEAST CORNER AT BOTTOM OF CAP (PATCHED)



Bent 1 Cap 1: 10" X 10" X 1 1/2" DEEP SPALL AND AREA OF DELAMINATION AT SOUTHEAST CORNER



Bent 1 Cap 1: 9 INCHES X 1/32 INCHES VETICAL CRACK ON SOUTH FACE AT TOP OF CAP



Bent 1 Cap 1: 6 INCHES X 1/64 INCHES DIAGONAL CRACK ON EAST FACE BENEATH BEAM 1.

Date: 11/02/2022

**Condition Photos** 



Bent 1 Cap 1: 14 INCHES X 26 INCHES X 2.5 INCHES DEEP SPALL ON BOTTOM FACE BETWEEN PILES 1 AND 2 (PAR)



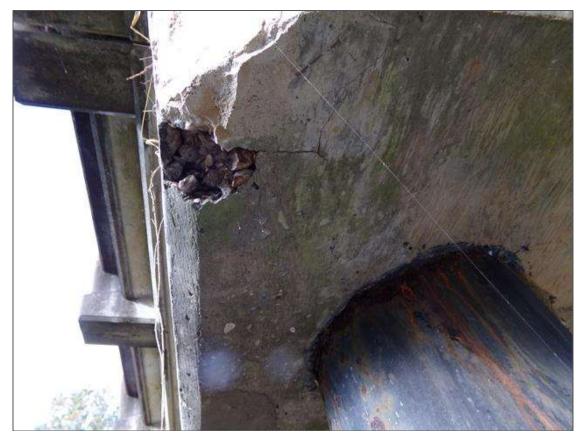
Bent 1 Pile 1: 7 FEET OF PEELING PAINT WITH RUST AND SURFACE RUST AT RANDOM THROUGHOUT

Date: 11/02/2022

**Condition Photos** 



Bent 1 Pile 4: 18 INCHES X 46 INCHES SOUND PATCHED AREA ON EAST FACE AT TOP OF CAP.



Bent 1 Cap 1: 4 INCH X 3 INCH X 1 INCH DEEP SPALL ON BOTTOM OF CAP AT SOUTH END

Date: 11/02/2022

**Condition Photos** 



Span 2 Deck: 35 SQUARE FEET UP TO 2 FEET X 1 FEET PATCHED AREAS AT RANDOM THROUGHOUT DECK UNDERSIDE BETWEEN BEAMS 2 AND 4



SPAN 2 Deck: 5 SQUARE FEET OF HONEYCOMBING AT RANDOM THROUGHOUT DRAINAGE OUTLETS ON THE NORTH OVERHANG

Date: 11/02/2022

#### **Condition Photos**



SPAN 2 Beam 2: 26 INCHES X 1/64 INCHES VERTICAL CRACK ON EAST FACE OF BENT 1 END DIAPHRAGM BETWEEN BEAMS 2 AND 3 BEGINNING AT TOP OF CAP.



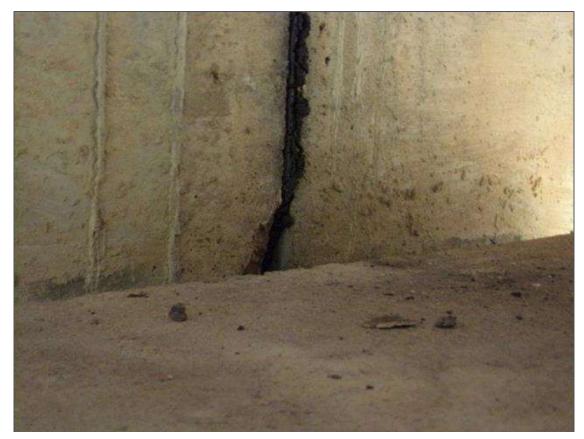
SPAN 2 Beam 4: 6 INCHES DIAMETER X 1/2 INCH DEEP SPALL WITH EXPOSED REINFORCING ON NORTH FACE AT BENT 1.

Date: 11/02/2022

**Condition Photos** 



SPAN 2 Beam 4: (2) UP TO 3 INCHES X 2 1/2 INCHES X 1/2 INCH DEEP SPALL ON BOTTOM OF BEAM AT BENT 1



Span 2 Beam 1: 2 INCH X 4 INCH X 1 INCH DEEP SPALL ON LEFT SIDE OF BEAM AT BENT 1

Date: 11/02/2022

**Condition Photos** 



Span 2 Beam 2: (13) UP TO 1/64 INCHES WRAPAROUND CRACKS AT RANDOM THROUGHOUT.



SPAN 2 Beam 2: (4) UP TO 4 INCH X 6 INCH X 1/2 INCH DEEP SPALLS WITH EXPOSED REINFORCING ON EAST FACE, 3 FEET FROM BENT 2.

Date: 11/02/2022

**Condition Photos** 



SPAN 2 Beam 2: 8 INCHES X 6 INCHES X 1 INCHES DEEP SPALL WITH ASSOCIATED 38 INCHES X 16 INCHES DELAMINATION ON SOUTH FACE AT BENT 2.



SPAN 2 Beam 4: 9 INCHES X 4 INCHES X 1/2 DEEP INCHES SPALL WITH ASSOCIATED 18 INCHES X 9 INCHES DELAMINATION ON SOUTH FACE AT BENT 2.

Date: 11/02/2022

#### **Condition Photos**



Bent 2 Cap 1: 19 INCH X 12 INCH X 4 INCH DEEP SPALL WITH EXPOSED REINFORCING AND AREA OF DELAMINATION ON SOUTHWEST BOTTOM CORNER (PAR)

Date: 11/02/2022

#### **Condition Photos**



Bent 2 Cap 1: 21 INCHES X 4 INCHES X 3 INCHES DEEP SPALL WITH ASSOCIATED 32 INCHES X 1/32 INCHES VERTICAL CRACK ON WEST FACE BENEATH BEAM 3 AND ASSOCIATED 22 INCHES X 9 INCHES DELAMINATION ON BOTTOM FACE (PATCHED WITH HAIRLINE VERTICAL CRACKS)

Date: 11/02/2022

**Condition Photos** 



SPAN 3 Beam 1: 70 INCHES X 3 INCHES X UP TO 4 INCHES SPALL WITH EXPOSED REINFORCING ON THE SOUTH BOTTOM CORNER, 8 FEET FROM BENT 2.(PATCHED)



SPAN 3 Beam 1: 5 INCHES X 2 INCHES X 1/4 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE OF BENT 2 END DIAPHRAGM BETWEEN BEAMS 1 AND 2.

Date: 11/02/2022

**Condition Photos** 



SPAN 3 Beam 2: 9 INCHES X 20 INCHES X 2 INCHES DEEP SPALL ON NORTH FACE AT BENT 2



Bent 3 Row 1 Pile 1: 35 FEET OF SURFACE RUST ON WEST CROSS BRACING.

Date: 11/02/2022

**Condition Photos** 



3 FEET X 4 FEET X 18 INCHES HIGH DRIFT AND DEBRIS ON SPAN 4 FACE OF CRUTCH BENT ON TOP OF PILE 4 (SPAN 3 FACE SIMILAR)



SPAN 4 Deck: 36 INCH X 24 INCH AREA OF PATCH WITH 2 INCH X 1 INCH X 1/2 INCH DEEP SPALL WITH EXPOSED REBAR ON BOTTOM OF DECK IN BAY 2 AT BENT 3

Date: 11/02/2022

#### **Condition Photos**



Span 4 Deck: 4 INCHES X 8 INCHES X 3/4 DEEP INCHES SPALL WITH EXPOSED REINFORCING AND AREA OF DELAMINATION ON SOUTH FACE AT WEST FACE OF 3RD RAIL POST BLOCKOUT FROM END BENT 2.



End Bent 2 Abutment: 10 FEET X 12 FEET AREA OF HAIRLINE MAP CRACKING ON NORTHEAST ABUTMENT EXTENSION

Date: 11/02/2022

**Condition Photos** 



End Bent 2 Abutment: (2) UP TO 6 FEET X 1/64 INCHES HORIZONTAL CRACKS AT NORTH END



End Bent 2 Cap 1: (2) UP TO 8 INCHES X 6 INCHES X 1 INCHES DEEP SPALL ON WEST FACE OF BEAM 2 BLOCKOUT AT TOP OF CAP.

Date: 11/02/2022

**Condition Photos** 



Span 4 Wearing Surface: 6 SQUARE FEET HAIRLINE TRANSVERSE CRACK AT END BENT 2



SPAN 4 Left Bridge Rail: (4) UP TO 1/16 INCHES CRACKS ON TOP AND NORTH FACE, 18 FEET FROM END BENT

Date: 11/02/2022

**Condition Photos** 



SPAN 4 Left Bridge Rail: 20 INCHES OF UP TO 1/2 INCHES GOUGES AND 1/16 INCHES WRAPAROUND CRACKS ON ALL FACES OF RAIL 15 FEET FROM BENT 3.



SPAN 4 Left Bridge Rail: 3 INCHES X 2 INCHES X 2 INCHES DEEP SPALL ON TOP AND SOUTH FACES, 19 FEET FROM END BENT 2.

County: PENDER

Date: 11/02/2022

**Condition Photos** 



End Bent 1 Abutment: 29 FEET X 38 INCHES DEEP UNDERNEATH UNDER END BENT 1 CAP (PAR)



4 FEET X 4 FEET AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE ON NORTHWEST WINGWALL

Date: 11/02/2022

**Condition Photos** 



Bent 1 Cap 1: (2) UP TO 8 INCHES X 12 INCHES X 1/2 INCH DEEP SPALLS WITH EXPOSED REINFORCING ON WEST FACE BETWEEN BEAMS 2 AND 3.



Bent 1 Cap 1: 45 INCHES X 7 INCHES X 6 INCHES DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BENEATH BEAM 1 AT BOTTOM OF CAP (PAR)

Date: 11/02/2022

**Condition Photos** 



Bent 3 Row 1 Pile 1: 8 FEET OF FRECKLED RUST WITH ISOLATED LOCATIONS OF SURFACE RUST AT RANDOM THROUGHOUT.

## **Stream Bed Soundings**

(Profile diagram on following sheet)

County **PENDER** 

Structure Number: 700028

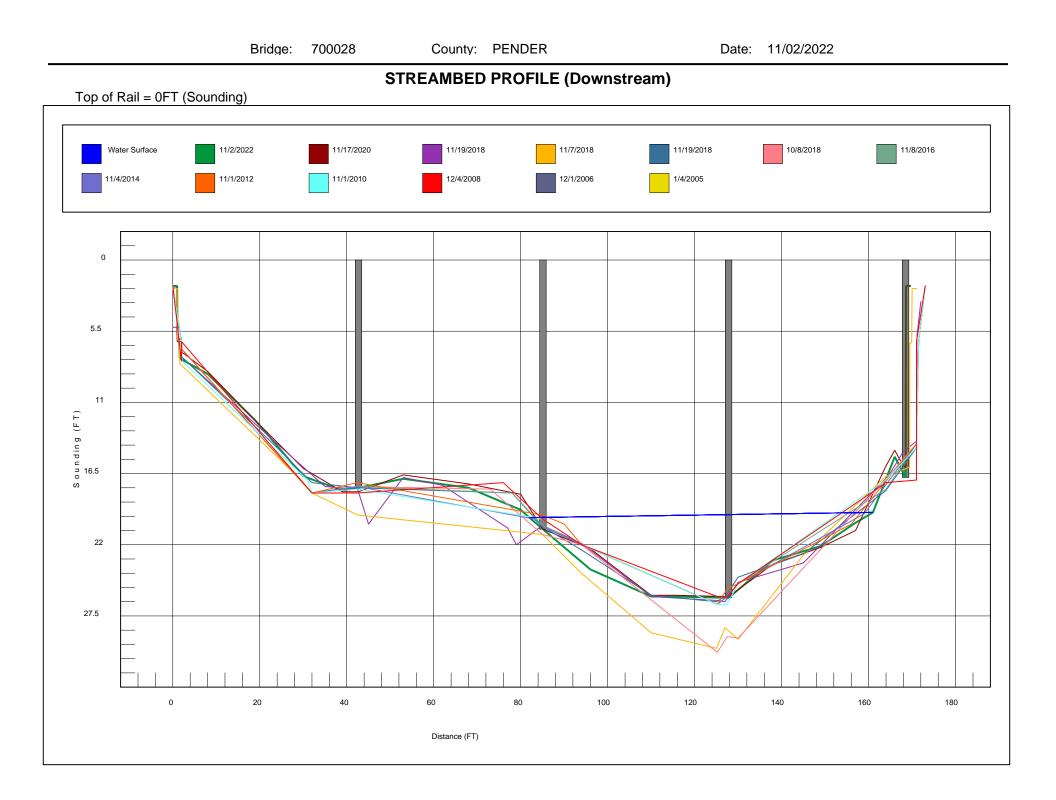
Sounding Date 11/03/2022

Sounding recorded from: Top of Bridge Rail

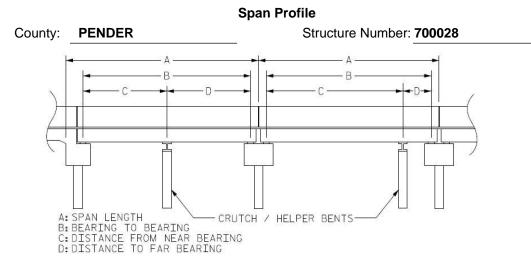
Highwater Mark Distance 6.3

Location of Highwater Mark DRIFT ON TOP OF CRUTCH BENT CAP

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.000	0.000	TOP OF BACKWALL
1.000	2.000	0.000	TOP OF BACKWALL
1.100	6.300	0.000	TOP OF CAP
1.500	6.300	0.000	TOP OF CAP
1.600	7.600	8.000	FACE OF CAP
8.000	8.800	0.000	
19.000	12.400	0.000	
30.000	16.700	0.000	
39.000	17.800	0.000	
42.700	17.600	19.600	BENT 1
53.000	16.900	0.000	
68.000	17.600	0.000	
80.000	19.300	0.000	
82.000	19.900	0.000	WATER SURFACE/WATER EDGE (WS/WE)
85.100	20.800	21.100	BENT 2
96.000	23.900	0.000	
110.000	26.000	0.000	
115.000	26.000	0.000	
127.800	26.100	29.200	BENT 3
138.000	23.200	0.000	
149.000	22.100	157.000	20.3
157.000	20.300	0.000	
161.000	19.500	0.000	WATER SURFACE/WATER EDGE (WS/WE)
166.000	15.200	0.000	
168.500	16.800	16.100	FACE OF ABUTMENT
168.600	2.000	0.000	TOP OF BACKWALL
169.600	2.000	0.000	TOP OF BACKWALL



### Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	42.700	40.410			
2	42.420	40.910			
3	42.700	40.320			
4	41.750	39.320			

	Bri	dge Inspec	ction	Field	Sk	etch
						яП
						w
Dec	adway	22.5ft Wide	2 Paved	Lanas		king East
	t Shoulder	4.5ft Wide	.5ft Pave			Jnpaved
	ht Shoulder	4.5ft Wide	1ft Pave			t Unpaved
Lef	t Guardrail					
	ht Guardrail	4.5ft from road				
	LASURLIMENTS TARE	N 25' WEST OF END BENT 1				
Title Approach F	Roadway		Descriptic	on East		

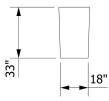
# Bridge Inspection Field Sketch

Deck Width/Out to Out	33.25ft	Betwee	n Rails			31.25ft
Clear Roadway	28ft	Wearing	g Surface			3.25in *
Median Width		Median	Height			
Curb Height		Left	8in	Right	8in	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	31.5in	Right	31.	ōin
Top of Rail to Deck/Wearing Surfa	се	Left	2.229ft	Right	2.22	29ft
Bridge Rail Type		Left	TYPE 14	Right	TYP	Έ 14

Measurements for Span #	1		
Deck Thickness	7in	Left Overhang	4.625ft
Top of Rail to Bottom of Beam (Avg)	5.028ft	Right Overhang	4.625ft

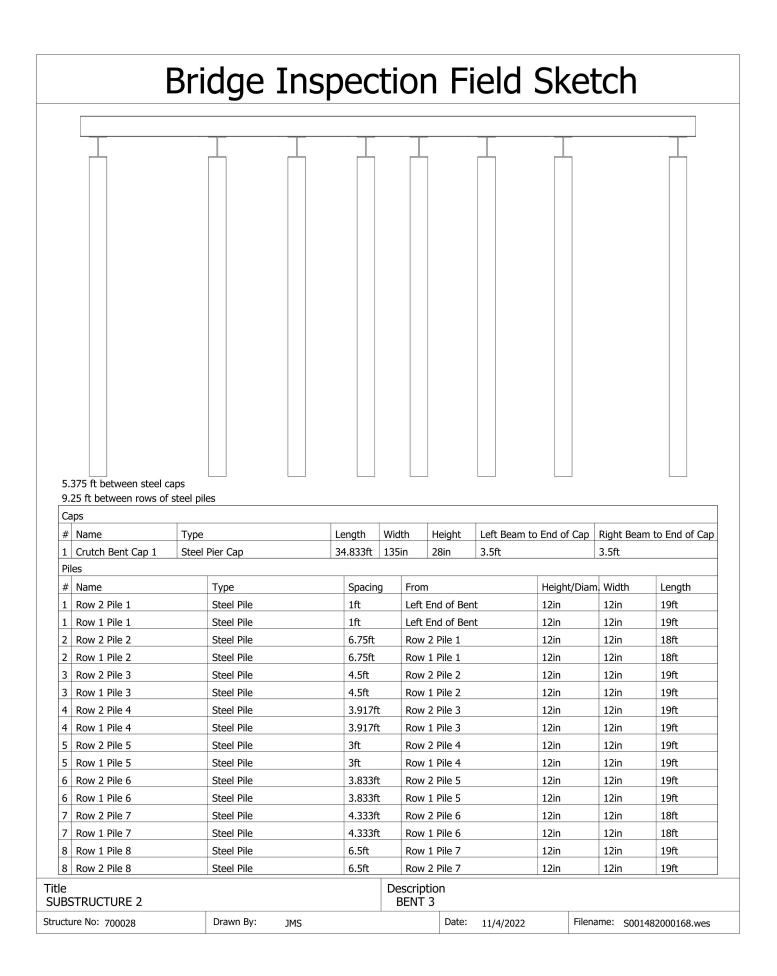
Beam #	Beam Type	Width	Height	Spacing	From
1	Reinforced Concrete Girder	18in	33in	4.625ft	Left Edge of Deck
2	Reinforced Concrete Girder	18in	33in	5ft	Beam 1
3	Reinforced Concrete Girder	18in	33in	7ft	Beam 2
4	Reinforced Concrete Girder	18in	33in	7ft	Beam 3
5	Reinforced Concrete Girder	18in	33in	5ft	Beam 4

\* NEW WEARING SURFACE OVERLAY



Title TYPICAL SECTION			Descriptio LOOKIN					
Structure No: 700028	Drawn By:	JMS		Date:	11/4/2022	Filename:	S001482000166.wes	

В	ridge I	nsp	ec	tio	n F	ield	Ske	etch	
Caps									
# Name Ty	(100	1.			T				
	/pe	Le	ength	Width	Height	Left Beam to	End of Ca	p Right Bear	m to End of Cap
1 Cap 1 Re	pe einforced Concrete Pier			Width 36in	Height 30in	Left Beam to 2.5ft	End of Ca	p Right Bear 2.5ft	m to End of Cap
Piles	einforced Concrete Pier		8.486ft	36in	30in			2.5ft	
Piles # Name	Type		8.486ft Spacing	36in J Fron	30in	2.5ft	Height/Di		Length
Piles       #     Name       1     Pile 1	einforced Concrete Pier Type Steel Pile		8.486ft Spacing 1.16ft	36in J Fron Left	30in n End of Ben	2.5ft	Height/Di 12in	2.5ft	Length 10ft
Piles # Name 1 Pile 1 2 Pile 2	Type Steel Pile Steel Pile	Cap 2	8.486ft Spacing 1.16ft 2.5ft	36in J Fron Left Pile	30in n End of Ben 1	2.5ft	Height/Di 12in 12in	2.5ft	Length 10ft 10ft
Piles       #     Name       1     Pile 1       2     Pile 2       3     Pile 3	Type Steel Pile Steel Pile Reinforced Concret	Cap 2: te Column	8.486ft Spacing 1.16ft 2.5ft 2.708ft	36in Fron Left Pile Pile	30in n End of Ben 1 2	2.5ft	Height/Di 12in 12in 39in	2.5ft am Width 39in	Length 10ft 10ft 10ft
Piles       #     Name       1     Pile 1       2     Pile 2       3     Pile 3       4     Pile 4	einforced Concrete Pier Type Steel Pile Steel Pile Reinforced Concret Reinforced Concret	Cap 2: te Column	8.486ft Spacing 1.16ft 2.5ft 2.708ft 15.75ft	36in Fron Left Pile Pile Pile	30in n End of Ben 1 2 3	2.5ft	Height/Di 12in 12in 39in 39in	2.5ft	Length 10ft 10ft 10ft 10ft 10ft
Piles       #     Name       1     Pile 1       2     Pile 2       3     Pile 3       4     Pile 4	Type Steel Pile Steel Pile Reinforced Concret	Cap 2: te Column	8.486ft Spacing 1.16ft 2.5ft 2.708ft	36in Fron Left Pile Pile Pile	30in n End of Ben 1 2 3 4	2.5ft	Height/Di 12in 12in 39in	2.5ft am Width 39in	Length 10ft 10ft 10ft
Piles         #       Name         1       Pile 1         2       Pile 2         3       Pile 3         4       Pile 4         5       Pile 5	einforced Concrete Pier Type Steel Pile Steel Pile Reinforced Concret Reinforced Concret Steel Pile	Cap 2: te Column	<ul> <li>Spacing</li> <li>1.16ft</li> <li>2.5ft</li> <li>2.708ft</li> <li>15.75ft</li> <li>2.708ft</li> </ul>	36in From Left Pile Pile Pile Pile	30in n End of Ben 1 2 3 4	2.5ft	Height/Di 12in 12in 39in 39in 12in	2.5ft am Width 39in	Length 10ft 10ft 10ft 10ft 10ft 10ft 10ft
Piles         #       Name         1       Pile 1         2       Pile 2         3       Pile 3         4       Pile 4         5       Pile 5         6       Pile 6	einforced Concrete Pier Type Steel Pile Steel Pile Reinforced Concret Reinforced Concret Steel Pile	Cap 2: te Column	<ul> <li>Spacing</li> <li>1.16ft</li> <li>2.5ft</li> <li>2.708ft</li> <li>15.75ft</li> <li>2.708ft</li> </ul>	36in From Left Pile Pile Pile Pile	30in n End of Ben 1 2 3 4	2.5ft	Height/Di 12in 12in 39in 39in 12in	2.5ft am Width 39in	Length 10ft 10ft 10ft 10ft 10ft 10ft 10ft
Piles         #       Name         1       Pile 1         2       Pile 2         3       Pile 3         4       Pile 4         5       Pile 5         6       Pile 6         Footings	einforced Concrete Pier Type Steel Pile Steel Pile Reinforced Concret Reinforced Concret Steel Pile	Cap 2: te Column te Column	8.486ft Spacing 1.16ft 2.5ft 2.708ft 15.75ft 2.708ft 2.5ft	36in Fron Left Pile Pile Pile Pile Pile	30in End of Ben 1 2 3 4 5	2.5ft	Height/Di 12in 12in 39in 39in 12in 12in	2.5ft Width 39in 39in	Length 10ft 10ft 10ft 10ft 10ft 10ft 10ft
Piles         #       Name         1       Pile 1         2       Pile 2         3       Pile 3         4       Pile 4         5       Pile 5         6       Pile 6         Footings         #       Name	einforced Concrete Pier Type Steel Pile Steel Pile Reinforced Concret Reinforced Concret Steel Pile	Cap 2 te Column te Column Type	8.486ft Spacing 1.16ft 2.5ft 2.708ft 15.75ft 2.708ft 2.5ft	36in Fron Left Pile Pile Pile Pile Pile	30in End of Ben 1 2 3 4 5	2.5ft	Height/Di 12in 12in 39in 39in 12in 12in 12in	2.5ft Width 39in 39in 39in Width	Length 10ft 10ft 10ft 10ft 10ft 10ft 10ft Height
Piles         #       Name         1       Pile 1         2       Pile 2         3       Pile 3         4       Pile 4         5       Pile 5         6       Pile 6         Footings         #       Name	einforced Concrete Pier Type Steel Pile Steel Pile Reinforced Concret Reinforced Concret Steel Pile	Cap 2 te Column te Column Type	8.486ft Spacing 1.16ft 2.5ft 2.708ft 15.75ft 2.708ft 2.5ft	36in Fron Left Pile Pile Pile Pile te Footing	30in End of Ben 1 2 3 4 5 1	2.5ft	Height/Di 12in 12in 39in 39in 12in 12in 12in	2.5ft Width 39in 39in 39in Width	Length 10ft 10ft 10ft 10ft 10ft 10ft 10ft Height



County: PENDER

Date: 11/02/2022

Structure Photos



**BEAM PROFILE AT BENT 1** 



BENT DIAPHRAGM

County: PENDER

Date: 11/02/2022



BENT 2 (BENT 1 SIMILAR)



Date: 11/02/2022

Structure Photos



UNDERSIDE OF SUPERSTRUCTURE (SPAN 3 SHOWN)



DOWNSTREAM PROFILE, LOOKING NORTH

County: PENDER

Date: 11/02/2022

Structure Photos



CRUTCH BENT BEARING (BEAM 2 SHOWN)



SOUTHEAST ABUTMENT EXTENSION (NORTHEAST CORNER SIMILAR)

County: PENDER

Date: 11/02/2022



END BENT 2



LOOKING EAST

Date: 11/02/2022



SOUTHWEST GUARDRAIL POST SPACING (SOUTHEAST CORNER SIMILAR)



SOUTHWEST GUARDRAIL TRANSITION (SOUTHEAST CORNER SIMILAR)

County: PENDER

Date: 11/02/2022



SOUTHWEST GUARDRAIL ATTACHMENT (SOUTHEAST CORNER SIMILAR)



SOUTHWEST DELINEATOR (ALL OTHERS SIMILAR)

County: PENDER

Date: 11/02/2022



SOUTH BRIDGE RAIL (NORTH BRIDGE RAIL SIMILAR)



BRIDGE PLAQUE AT SOUTHWEST CORNER (NORTHEAST CORNER SIMILAR)

County: PENDER

Date: 11/02/2022

Structure Photos



DOWNSTREAM VIEW, LOOKING SOUTH



WEST APPROACH



EAST APPROACH



UPSTREAM VIEW, LOOKING NORTH

County: PENDER

Date: 11/02/2022

Structure Photos



OVERHEAD UTILITIES ON NORTH SIDE OF BRIDGE (SOUTH SIDE SIMILAR)



LOOKING WEST



NORTHWEST WINGWALL (SOUTHWEST WINGWALL SIMILAR)





UPSTREAM PROFILE, LOOKING SOUTH

Date: 11/02/2022