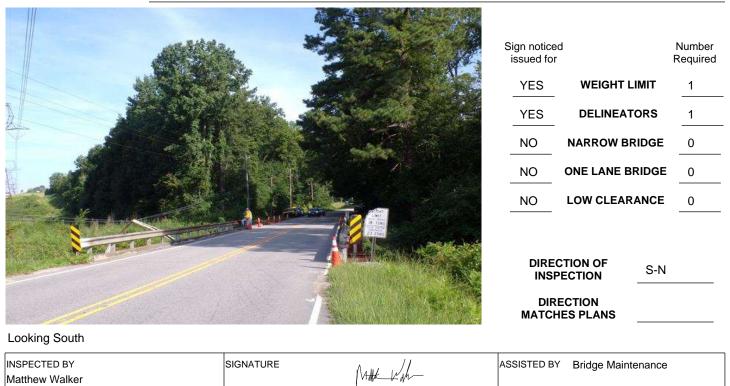
NC DEPARTMENT OF TRANSPORTATION ATTENTION: Supplemental Inspection for Left rail in spans 3 and 4 only. Priority Action Request Submitted **DIVISION OF HIGHWAYS** STRUCTURE MANAGEMENT UNIT **Structure Safety Report Supplemental Element Inspection** STRUCTURE NUMBER: 910126 SAP STRUCTURE NO: 0920126 FHWA STRUCTURE NO: 00000001830126 **INSPECTION DATE: 07/28/2022** DIVISION: 5 COUNTY: WAKE FREQUENCY: None FACILITY CARRIED: SR2044 MILE POST: LOCATION: 1.2 MI.S.US1A FEATURE INTERSECTED: SMITHS CREEK LATITUDE: 35° 55' 44.53" LONGITUDE: 78° 31' 39.86" SUPERSTRUCTURE: PRESTRESSED CONCRETE CHANNELS, STD. BMD-13

SUBSTRUCTURE: E.BTS&INT.BTS:PPC/CAPS/TIM.PILES;STL.CRUTCH BTS ADDED.

SPANS: 4 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

FRACTU	JRE CRITICAL	✓ TEMPORARY	SHORING		CAL	SCOUR PLAN	N OF ACTION
GRADES:	(Inspector/NBI Coding)	DECK 5/5	SUPERSTRUC	TURE 3/3	SUBSTRUCT	URE 3/3	CULVERT N/N
POSTED SV	/: 18			POSTED TTS	ST : 23		

OTHER SIGNS PRESENT: 3 Delineators



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

	STRUCTURE INVENTORY AND APPRAISAL 09/20	0/20
(1) STATE NAME NORTH CAROLINA BRIDGE 9101	26 Statusturally Defi	11.4 icier
(8) STRUCTURE NUMBER (FEDERAL) 18301 (5) INVENTORY ROUTE (ON/UNDER) ON 1310204		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	5 (112) NBIS BRIDGE SYSTEM	YE
(3) COUNTY CODE (FEDERAL) 183 (4) PLACE CODE 705		
(6) FEATURE INTERSECTED SMITHS CREEK	(26) FUNCTIONAL CLASS Urban Collector	
(7) FACILITY CARRIED SR2044		
(9) LOCATION 1.2 MI.S.US1A (11) MILEPOINT (
(12) BASE HIGHWAY NETWORK		
(13) LRS INVENTORY ROUTE & SUBROUTE	(102) DIRECTION OF TRAFFIC 2-way traffic	
(16) LATITUDE 35° 55' 44.53" (17) LONGITUDE 78° 31' 39.8		
(98) BORDER BRIDGE STATE CODE PERCENT SHARED	(110) DESIGNATED NATIONAL NETWORK - on national network for trucks	
(99) BORDER BRIDGE STRUCTURE NUMBER	(20) TOLL On Free Road	
STRUCTURE TYPE AND MATERIAL	(21) MAINT -	(
(43) STRUCTURE TYPE MAIN Prestressed Concre	te (22) OWNER -	(
TYPE Channel beam CODE 5	22 (37) HISTORICAL SIGNIFICANCE -	
(44) STRUCTURE TYPE APPROACH	CONDITION CO	DE
TYPE CODE	(58) DECK	
(45) NUMBER OF SPANS IN MAIN UNIT	4 (59) SUPERSTRUCTURE	
(46) NUMBER OF SPANS IN APPROACH	0 (60) SUBSTRUCTURE	
(107) DECK STRUCTURE TYPE CODE	2 (61) CHANNEL & CHANNEL PROTECTION	
(108)WEARING SURFACE/PROTECTIVE SYSTEM	(62) CULVERTS	
(A) TYPE OF WEARING SURFACE CODE	6 LOAD RATING AND POSTING CO	DE
(B) TYPE OF MEMBRANE CODE	0 (31) DESIGN LOAD HS 15	
(C) TYPE OF DECK PROTECTION CODE	0 (63) OPERATING RATING METHOD - Load Factor	
AGE AND SERVICE	(64) OPERATING RATING - HS-16	:
(27) YEAR BUILT 19	(65) INVENTORY RATING METHOD -	
(106) YEAR RECONSTRUCTED	0 (66) INVENTORY RATING HS-9	
(42) TYPE OF SERVICE ON - Highwa		
•	5 (41) STRUCTURE OPEN, POSTED, OR CLOSED	
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	0 DESCRIPTION Posted for Load	
(29) AVERAGE DAILY TRAFFIC 20		
(30) YEAR OF ADT 2017 (109) TRUCK ADT PCT	7 (67) STRUCTURAL EVALUATION CO	DE
	0 (68) DECK GEOMETRY	
	(69) UNDERCLEARANCES, VERT & HORIZ	
(48) LENGTH OF MAXIMUM SPAN 29		
(49) STRUCTURE LENGTH 121	0	
	(72) APPROACH ROADWAY ALIGNMENT 4	
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB 24	(36) TRAFFIC SAFETY FEATURES	00
(52) DECK WIDTH OUT TO OUT 25		
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) 26		
(33) BRIDGE MEDIAN No median CODE (34) SKEW 0 (35) STRUCTURE FLARED	0 (75) TYPE OF WORK CODE 0 (75) TYPE OF WORK CODE	
(10) INVENTORY ROUTE MIN VERT CLEAR 999	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24	1 (94) BRIDGE IMPROVEMENT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999	.9 (95) ROADWAY IMPROVEMENT COST	
	.0 (96) TOTAL PROJECT COST	
	0 (97) YEAR OF IMPROVEMENT COST ESTIMATE	
	(114) FUTURE ADT 4,000 YEAR OF FUTURE ADT	20
(38) NAVIGATION CONTROL - CODE	0 (90) INSPECTION DATE 08/21 (91) FREQUENCY	2
(111) PIER PROTECTION CODE	(92) CRITICAL FEATURE INSPECTION (93) CFI DATE	
	0 A) FRACTURE CRIT DETAIL A)	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0	0 B) UNDERWATER INSP B)	
(40) NAVIGATION HORIZONTAL CLEARANCE 0	0 C) OTHER SPECIAL INSP C)	

Superstructure Build Details

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	733	Square Feet		
10	Prestressed Concrete Channel	Prestressed Concrete Top Flange	780	Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	62	Feet	Galvanized Protective System	98
10	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	310	Feet		
Span Nu	imber 2 Spai	n Length <u>30.0000</u>		Sk	ew 90.0000	

Number Quantity of Items (Sq Ft) Quantity **Protective System Applied Type of Component Element Name** 10 Prestressed Concrete Channel Prestressed Concrete Open 300 Feet Girder/Beam 10 Prestressed Concrete Channel Prestressed Concrete Top 770 Square Feet Flange 2 Concrete and Metal Railing Other Bridge Railing 60 Feet Galvanized Protective System 96 1 Asphalt Wearing Surface Wearing Surface 723 Square Feet Span Number 3 Span Length 30.0000 Skew 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete and Metal Railing	Other Bridge Railing	60	Feet	Galvanized Protective System	96
10	Prestressed Concrete Channel	Prestressed Concrete Top Flange	770	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	723	Square Feet		
10	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	300	Feet		
Span Nu	mber <u>4</u> Spar	Length <u>30.4170</u>	1	Sk	ew 90.0000	

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
10	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	310	Feet		
2	Concrete and Metal Railing	Other Bridge Railing	62	Feet	Galvanized Protective System	80
1	Asphalt Wearing Surface	Wearing Surface	733	Square Feet		
10	Prestressed Concrete Channel	Prestressed Concrete Top Flange	780	Square Feet		

Span Length 30.4170

Span Number 1

Skew 90.0000

Superstructure Build Details

1	1	1	

Structure Element Scoring

Structure Number: 910126

Inspection Date 7/28/2022

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
15		Prestressed Concrete Top Flange	Beam	3,100	3,098	1	1	0
109		Prestressed Concrete Open Girder/Beam	Beam	1,220	1,003	47	98	72
333		Other Bridge Railing	Bridge Rail	244	0	188	10	46
515	333	Steel Protective Coating	Bridge Rail	370	0	0	0	370
510		Wearing Surface	Wearing Surfaces	2,912	2,191	0	721	0
216		Timber Abutment	Abutments	72	0	44	23	5
225		Steel Pile	Piles and Columns	1	1	0	0	0
225		Steel Pile	Piles and Columns	12	0	12	0	0
515	225	Steel Protective Coating	Piles and Columns	216	132	0	84	0
228		Timber Pile	Piles and Columns	28	18	6	4	0
231		Steel Pier Cap	Caps	204	65	139	0	0
515	231	Steel Protective Coating	Caps	1,902	1,425	321	0	156
233		Prestressed Concrete Pier Cap	Caps	130	118	11	1	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 910126

Inspection Date: 07/28/2022

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Prestressed Concrete Top Flange	Delamination/Spall	1 Square Feet
3306	Prestressed Concrete Open Girder/Bear	Delamination/Spall	174 Feet
3306	Prestressed Concrete Open Girder/Bear	Exposed Prestressing	38 Feet
3306	Prestressed Concrete Open Girder/Bear	Cracking (PSC)	7 Feet
3306	Prestressed Concrete Open Girder/Bear	Patched Area	2 Feet
3346	Timber Abutment	Scour	10 Feet
3346	Timber Abutment	Decay/Section Loss	13 Feet
3346	Timber Abutment	Check/Shake	49 Feet
3344	Timber Pile	Decay/Section Loss	4 Each
3344	Timber Pile	Scour	1 Each
3344	Timber Pile	Check/Shake	7 Each
3348	Prestressed Concrete Pier Cap	Delamination/Spall	1 Feet
3348	Prestressed Concrete Pier Cap	Cracking (PSC)	11 Feet
3318	Other Bridge Railing	Connection	1 Feet
3318	Other Bridge Railing	Damage	11 Feet
3318	Other Bridge Railing	Delamination/Spall	19 Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	22 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	699 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	370 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	561 Square Feet

Element Structure Maintenance Quantities

ructure Number: <u>910126</u> Inspection Date <u>07/28/2022</u>								
MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity	
3306	Maintenance Concrete Superstructure Components	442	4320	144.000	196.000	94.000	3886.000	
3326	Maintenance of Concrete Deck	2	4320	0.000	2.000	2.000	4316.000	
3318	Maintenance of Concrete Bridge Rail	31	244	46.000	10.000	188.000	0.000	
3342	Clean and Paint Steel	370	370	370.000	0.000	0.000	0.000	
2816	Asphalt Surface Repair	721	2912	0.000	721.000	0.000	2191.000	
3346	Maintenance of Timber Bulkheads or Wingwalls	72	72	5.000	23.000	44.000	0.000	
3342	Clean and Paint Steel	477	1902	156.000	0.000	321.000	1425.000	
3348	Maintenance of Concrete Substructure	12	130	0.000	1.000	11.000	118.000	
3354	Maintenance of Steel Substructure Components	0	204	0.000	0.000	139.000	65.000	
3342	Clean and Paint Steel	84	216	0.000	84.000	0.000	132.000	
3344	Maintenance To Timber Substructure	12	28	0.000	4.000	6.000	18.000	
3354	Maintenance of Steel Substructure Components	0	1	0.000	0.000	0.000	1.000	
3354	Maintenance of Steel Substructure Components	0	12	0.000	0.000	12.000	0.000	
	MMS Code 3306 3326 3318 3342 2816 3346 3342 3346 3342 3343 3344 3344 3354	MMS CodeDescription3306Maintenance Concrete Superstructure Components3326Maintenance of Concrete Deck3318Maintenance of Concrete Bridge Rail3342Clean and Paint Steel2816Asphalt Surface Repair3346Maintenance of Timber Bulkheads or Wingwalls3342Clean and Paint Steel3343Maintenance of Concrete Substructure3344Maintenance of Steel Substructure3344Maintenance To Timber Substructure3354Maintenance of Steel Substructure	MMS CodeDescriptionMaint Quantity3306Maintenance Concrete Superstructure Components4423326Maintenance of Concrete Deck23318Maintenance of Concrete Bridge Rail313342Clean and Paint Steel3702816Asphalt Surface Repair7213346Maintenance of Timber Bulkheads or Wingwalls723342Clean and Paint Steel4773348Maintenance of Concrete Substructure123354Maintenance of Steel Substructure843344Maintenance To Timber Substructure123354Maintenance of Steel Substructure123354Maintenance of Steel Substructure0	MMS CodeDescriptionMaint QuantityTotal Quantity3306Maintenance Concrete Superstructure Components44243203326Maintenance of Concrete Deck243203318Maintenance of Concrete Bridge Rail312443342Clean and Paint Steel3703702816Asphalt Surface Repair72129123346Maintenance of Timber Bulkheads or Wingwalls72723342Clean and Paint Steel47719023348Maintenance of Concrete Substructure121303354Maintenance of Steel Substructure Components02043344Maintenance To Timber Substructure12283354Maintenance of Steel Substructure Components01	MMS CodeDescriptionMaint QuantityTotal QuantitySevere Quantity3306Maintenance Concrete Superstructure Components4424320144.0003326Maintenance of Concrete Deck243200.0003318Maintenance of Concrete Bridge Rail3124446.0003342Clean and Paint Steel370370370.0002816Asphalt Surface Repair72129120.0003346Maintenance of Timber Bulkheads or Wingwalls72725.0003348Maintenance of Concrete Substructure121300.0003348Maintenance of Steel Substructure Components02040.0003344Maintenance To Timber Substructure12280.0003354Maintenance of Steel Substructure Components010.000	MMS CodeDescriptionMaint QuantityTotal QuantitySevere QuantityPoor Quantity3306Maintenance Concrete Superstructure Components4424320144.000196.0003326Maintenance of Concrete Deck243200.0002.0003318Maintenance of Concrete Bridge Rail3124446.00010.0003342Clean and Paint Steel370370370.0000.0002816Asphalt Surface Repair72129120.000721.0003342Clean and Paint Steel4771902156.0000.0003343Maintenance of Concrete Substructure121300.0001.0003344Maintenance of Steel Substructure122840.0004.0003344Maintenance To Timber Substructure12280.0004.0003344Maintenance of Steel Substructure Components0140.0004.0003344Maintenance of Steel Substructure Components010.0004.0003344Maintenance of Steel Substructure Components010.0004.0003354Maintenance of Steel Substructure Components010.0004.0003354Maintenance of Steel Substructure Components010.0004.0003354Maintenance of Steel Substructure Components010.0004.0003354Maintenance of Steel Substructure Components010.0004.000	Maint Code Description Maint Quantity Total Quantity Severe Quantity Poor Quantity 3306 Maintenance Concrete Superstructure Components 442 4320 144.000 196.000 94.000 3326 Maintenance of Concrete Deck 2 4320 0.000 2.000 2.000 3318 Maintenance of Concrete Bridge Rail 31 244 46.000 10.000 188.000 3342 Clean and Paint Steel 370 370 370.000 0.000 0.000 3346 Asphalt Surface Repair 721 2912 0.000 721.000 0.000 3342 Clean and Paint Steel 477 1902 156.000 0.000 321.000 3343 Maintenance of Concrete Substructure 12 130 0.000 11.000 3344 Maintenance of Steel Substructure Components 0 204 0.000 4.000 3344 Maintenance To Timber Substructure 12 28 0.000 4.000 3344 Maintenance of Steel Substructure C	

Priority Actions Request

Structure Nur	mber 910126		
Span3			
3318	Left Bridge Rail	Concrete and	Metal Railing
Priority Level	Defect Type	Quantity	Defect Description
3	Damage	24	Span 3 Left Bridge Rail: PAR-Left rail in span 3 has impact damage and has completely separated from structure from midspan to bent 3. All post are missing in this area with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.
Span4			
3318	Left Bridge Rail	Concrete and	Metal Railing
Priority Level	Defect Type	Quantity	Defect Description
3	Damage	21	Span 4 Left Bridge Rail: PAR-Left rail in span 4 has impact damage and has completely separated from structure along length. All post are missing with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.
Bent 2			
3346	Abutment	Timber Abutme	ent
Priority Level	Defect Type	Quantity	Defect Description
2	Damage	5	End Bent 2 Abutment: PAR- End Bent 2 bulkhead is broken and missing in a 5 foot long area at left end due to impact damage.
Other Groun Mounted Sig			
3250	Other Ground Mounted Signs	Other Ground	Mounted Signs
Priority Level	Defect Type	Quantity	Defect Description
3		2	PAR-Posting sign SV 18 TTST 23 and Delineator missing from right shoulder at north approach.

? Priority Action Request (PAR) 1 Assigned Routine Maintenance



Element Condition and Maintenance Data

Structure	Number: <u>910126</u>					Ins	spection D	ate: 07/28/2022
Spa	in 1	Wearing Surfac	е					
Asp	halt Wearing Surfa	ace						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	733	557	0	176	0 S	quare Feet
Elemen Numbe	Dofact Type	Defect Description	n		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	along edges of channels, (5) longitudina length x 1/16in)	I cracks (full		3	150	150	Square Feet
510	Crack (Wearing Surface)	over end bent 1, transverse crack (full w 1/8in)	vidth x up to		3	24	24	Square Feet
510	Patched Area/Pothole (Wearing Surface)	northbound lane at bent 1, pothole (6in to 1-1/2in deep)	x 20in x up		3	2	2	Square Feet
	General Comments							

Span 1

Left Bridge Rail

Concrete and Metal Railing

	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Br	idge Railing	lge Railing 31		31	0	0	Feet
515 Ste		ptective Coating	49	0 0		0	49	Square Feet
Elemen Numbe	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
333	Corrosion	along length of rail, active corros loss noted	ion with no section		2	25	-	Feet
333	Cracking (RC and Other)	along length of curb, multiple ver 02in] some wrap around to top fa	•		2	6		Feet
515	Effectiveness (Steel Protective Coatings)	coating failure with active corros	ion		4	49	4	9 Square Fee

General Comments

Span 1

Right Bridge Rail

Concrete and Metal Railing

Nun 333		Element Name ridge Railing	Total Qty 31	CS1 Qty 0	CS2 Qty 23	CS3 Qty 8		Feet
515	Steel Pr	otective Coating	49	0	0	0	49 5	Square Feet
Elemen Numbe	Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
333	Delamination/Spall	at rail post 1, spall [2ft x 10in x 3in deep]			3	2	2	Feet
333	Delamination/Spall	at rail post 2, spall [3ft x 10in x 3in deep]			3	3	3	Feet
333	Delamination/Spall	at rail post 4, spall [3ft x 10in x 3in deep]			3	3	3	Feet
333	Corrosion	along length of rail, active corrosion with no loss noted	section		2	16		Feet
333	Cracking (RC and Other)	along length of curb, multiple vertical cracks 02in] some wrap around to top face	[6in x 0.		2	2		Feet
333	Patched Area	at rail post 3 outside face of concrete curb, area (5ft x full height)	oatched		2	5		Feet
515	Effectiveness (Steel Protective Coatings)	coating failure with active corrosion			4	49	49	Square Feet

Spa	an 1	Slab 1						
Pre	estressed Concrete	e Channel						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	25	5	0	1	Feet
Elemer Numbe	Dofact Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
<u> </u>	Delamination/Spall	(PAR) left and right leg at bent 1, four spalls/delaminations [up to 12in x 5in x with loss of bearing area			4	1		1 Feet
109	Delamination/Spall	exterior face at far end, spall [5.5in x 1	.5in]		3			1 Feet
<u> </u>	Delamination/Spall	left and right leg near midspan, multip spalls/delaminations [up to 5in x 4in x with two exposed stirrups [no section l	3/4in deep]		2	4	2	4 Feet
<u> </u>	Delamination/Spall	right leg at near end, spall [3in x 3in x exposed rusted reinforcing [no loss no			2	1		1 Feet
	General Comments							

West face at grout pocket 3, missing grout with exposed tendon with surface rust [no section loss noted]

Spa	n 1	Slab 2						
Pres	stressed Concrete	Channel						
Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestress	sed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestress	sed Concrete Open Girder/Beam	31	22	5	0	4	Feet
Elemen Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
<u> </u>	Delamination/Spall	(PAR) left and right leg at bent 1, three spalls/delaminations [up to 10in x 6in channel legs crushing and bottom of sits below top of crutch bent cap	x 1in deep]		4	2	:	2 Feet
<u> </u>	Exposed Prestressing	[PAR] left leg near midspan, spall [16 width] with exposed strand that exhib [up to 25%]			4	2	:	2 Feet
<u> </u>	Delamination/Spall	left leg at far third, four [4] spalls/dela to 6in x 3in x 3/4in deep] with four [4] stirrups [no section loss noted]	• •		2	4		4 Feet
109	Delamination/Spall	right leg at near end, spall [3in x 3in x exposed rusted reinforcing [no loss n			2	1		1 Feet
	General Comments							

Span 1

Slab 3

Prestressed Concrete Channel

Element Number		ement Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Cor	ncrete Top Flange	78	78	0	0	0	Square Feet
109	Prestressed Cor	ncrete Open Girder/Beam	31	22	7	0	2	Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: 910126			Inspect	tion Date: 07/28/2022
<u> </u>	Delamination/Spall	(PAR) left and right leg at bent 1, two [2] spalls [up to 12in x 6in x 1in deep] with exposed strand, channel legs crushing and bottom of channel legs sits below top of crutch bent cap	4	2	2 Feet
<u> </u>	Delamination/Spall	left and right leg at far half, multiple spalls/delaminations [up to 6in x 4in x 1/2in deep] with six [6] exposed stirrup ends [no section loss noted]	2	5	5 Feet
109	Delamination/Spall	right leg at end bent 1, two [2] spalls [up to 6in x 4in x 1/2in deep] with exposed stirrup [no section loss noted]	2	1	1 Feet
<u> </u>	Delamination/Spall	right leg at near end, three [3] spalls [6in x 4in x 1in] with exposed rusted reinforcing [no loss noted]	2	1	1 Feet

General Comments

Span 1

Slab 4

Prestressed Concrete Channel

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	28	2	1	0	Feet
Elemen Numbe	Dofact Type	Defect Description	on		CS	CS Qty	Maint Qty	
109	Delamination/Spall	left leg at bent 1, two [2] spalls [up to 1 1in deep]	2in x 4in x		3		-	2 Feet
109	Patched Area	(PAR) right leg at bent 1, spalled patch x full width x 5in high] with exposed str	•		3	1		1 Feet
109	Delamination/Spall	left leg near midspan, delamination [6in exposed stirrup end [no section loss no			2	1		1 Feet
109	Delamination/Spall	underside at far third, spall [3in x 3in x exposed rebar [no section loss noted]	1/2in] with		2	1		1 Feet

General Comments

Span 1

Slab 5

Prestressed Concrete Channel

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15 Prestress	ed Concrete Top Flange	78	78	0	0	0	Square Feet
109 Prestress	ed Concrete Open Girder/Beam	31	20	0	7	4	Feet
Element Number Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
109 Exposed Prestressing	(PAR) right leg at midspan, spall (40in x with exposed strand (25% section loss)			4	4		4 Feet
109 Delamination/Spall	left and right legs at far end, four [4] spalls/delaminations [up to 9in x 4in x 1	/4in]		3	1		1 Feet
109 Delamination/Spall	right leg at middle third, six spalls/delar to 8in x 4in x 1/2in deep]	ninations [up		3	6		6 Feet

Prestressed Concrete Channel

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	78	76	1	1	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	27	2	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
15	Delamination/Spall	underside at near third, honeycomb [12in x 12in x up to 2in deep]	3	1	1	Square Feet
15	Patched Area	underside near midspan, sound patch (12in diameter)	2	1		Square Feet
109	Delamination/Spall	right leg at end bent 1, spall [20in x 6in x 1/2in deep] with two [2] exposed stirrups [no section loss noted]	3	2	3	Feet
109	Delamination/Spall	left leg 7ft from bent 1, spall [4in x 4in x 1/4in deep] with exposed stirrup that exhibits surface corrosion [no section loss noted]	2	1	1	Feet
109	Delamination/Spall	left leg at far end, spall [3in x 4in x 1/4in deep]	2	1	1	Feet

General Comments

Slab 7

Prestressed Concrete Channel

Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0 Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	28	0	3	0 Feet
Elemen Number	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty
<u> </u>	Delamination/Spall	left and right leg at far end, three [3] spalls/delamination [up to 10in x up to 1/2in high]	full width x 5-		3	3	3 Feet

General Comments

Span 1

Span 1

Slab 8

Prestressed Concrete Channel

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	30	0	1	0	Feet
Element Number	Defect Turne	Defect Descripti	on		CS	CS Qty	Maint Qty	
109	Patched Area	right leg at far end, one [1] unsound pa	atch [9in x 4in]		3	1	-	1 Feet

Prestressed Concrete Channel

Elen Num 15		Element Name ssed Concrete Top Flange	Total Qty 78	CS1 Qty 78	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109	Prestre	ssed Concrete Open Girder/Beam	31	26	2	3	0	Feet
Element Number	Dofact Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
109	Delamination/Spall	right leg at far end, three [3] spalls/del [up to 9in long x 11in high x 1/2in deep exposed stirrups [loss < 1/16in]			3	3	-	3 Feet
109	Delamination/Spall	left leg at end bent 1, delamination [4in	n x 4in]		2	1		1 Feet
109	Delamination/Spall	left leg at far end, two [2] spalls [up to 1in deep] with one [1] exposed stirrup 1/16in]			2	1		1 Feet

General Comments

1	Slab 10								
Prestressed Concrete Channel									
•	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty			
Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet		
Prestre	ssed Concrete Open Girder/Beam	31	16	1	3	11	Feet		
Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty			
Delamination/Spall	full width of leg x 11in high] with four [4 prestressed strands, three [3] of the ex	1] exposed posed		4	11	11	Feet		
Delamination/Spall				3	1	1	Feet		
Delamination/Spall	right leg at far end over bearing, spall 1/2in deep]	[18in x 9in x		3	2	2	Feet		
		Bin]		2	1	4	Feet		
	tressed Concret ent ber Prestre Prestre	Interssed Concrete Channel ent Element Name Prestressed Concrete Top Flange Prestressed Concrete Open Girder/Beam Defect Type Defect Descripti Delamination/Spall [PAR] left leg at midspan, spall/delamin full width of leg x 11in high] with four [4 prestressed strands, three [3] of the exstrands have failed with remaining one exhibiting section loss [up to 40%] Delamination/Spall left leg at end bent 1, spall/delamination x 1/2in deep] with two [2] exposed stirr section loss noted] Delamination/Spall right leg at far end over bearing, spall	tressed Concrete Channel ent Total Qty Prestressed Concrete Top Flange 78 Prestressed Concrete Open Girder/Beam 31 Defect Type Defect Description Delamination/Spall [PAR] left leg at midspan, spall/delamination, [11ft x full width of leg x 11in high] with four [4] exposed prestressed strands, three [3] of the exposed strands have failed with remaining one [1] strand exhibiting section loss [up to 40%] Delamination/Spall left leg at end bent 1, spall/delamination [10in x 7in x 1/2in deep] with two [2] exposed stirrups [no section loss noted] Delamination/Spall right leg at far end over bearing, spall [18in x 9in x	tressed Concrete Channel ent ber Total Qty Prestressed Concrete Top Flange Total Qty Total Qty CS1 Qty Qty Prestressed Concrete Top Flange 78 78 Prestressed Concrete Open Girder/Beam 31 16 Defect Description Delamination/Spall [PAR] left leg at midspan, spall/delamination, [11ft x full width of leg x 11in high] with four [4] exposed prestressed strands, three [3] of the exposed strands have failed with remaining one [1] strand exhibiting section loss [up to 40%] Delamination/Spall left leg at end bent 1, spall/delamination [10in x 7in x 1/2in deep] with two [2] exposed stirrups [no section loss noted] Delamination/Spall right leg at far end over bearing, spall [18in x 9in x	tressed Concrete Channel ent ber Total Qty CS1 Qty CS2 Qty Prestressed Concrete Top Flange 78 78 0 Prestressed Concrete Open Girder/Beam 31 16 1 Defect Description CS Delamination/Spall [PAR] left leg at midspan, spall/delamination, [11ft x full width of leg x 11in high] with four [4] exposed prestressed strands, three [3] of the exposed strands have failed with remaining one [1] strand exhibiting section loss [up to 40%] 4 Delamination/Spall left leg at end bent 1, spall/delamination [10in x 7in x 1/2in deep] with two [2] exposed stirrups [no section loss noted] 3 Delamination/Spall right leg at far end over bearing, spall [18in x 9in x 3	tressed Concrete Channelent berElement Name CtyTotal QtyCS1 QtyCS2 QtyCS3 QtyPrestressed Concrete Top Flange787800Prestressed Concrete Open Girder/Beam311613Defect DescriptionCS CS QtyDelamination/Spall[PAR] left leg at midspan, spall/delamination, [11ft x full width of leg x 11in high] with four [4] exposed prestressed strands, three [3] of the exposed strands have failed with remaining one [1] strand exhibiting section loss [up to 40%]31Delamination/Spallleft leg at end bent 1, spall/delamination [10in x 7in x 1/2in deep] with two [2] exposed stirrups [no section loss noted]32	tressed Concrete Channel ent Total Ber CS1 Qty Qty Qty Qty Qty Qty Qty Qty Qty Qty		

East face at grout pocket 3, missing grout with exposed tendon with surface rust [no section loss noted]

Spa	n 2	Wearing Surf	ace					
Asp	halt Wearing Su	rface						
Elen Nun	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearin	ng Surface	723	548	0	175	0 S	quare Feet
Elemen Number	Dofact Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	along edges of channels, (5) longitud length x 1/16in)	dinal cracks (full		3	150	150	Square Feet
510	Crack (Wearing Surface)	UP TO 1/8" TRANSVERSE CRACKI 1	NG OVER BENT		3	25	25	Square Feet
Ī	General Comments							

Spa	an 2	Left Bridge F	Rail				
Cor	ncrete and Metal R	ailing					
	ment mber Other B	Element Name	Total Qty 30	CS1 Qty 0	CS2 Qty 30	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel Pr	otective Coating	48	0	0	0	48 Square Feet
Elemer Numbe	Dofact Type	Defect Descri	otion		CS	CS Qty	Maint Qty
333	Corrosion	along length of rail, active corrosion loss noted	with no section		2	25	Feet
						_	
333	Cracking (RC and Other)	along length of curb, multiple vertica 02in] some wrap around to top face	l cracks [6in x 0.		2	5	Feet
333 515			l cracks [6in x 0.		2 4	5 48	Feet 48 Square Feet

Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	30	0	28	2	0 Feet
515	Steel Protective Coating	48	0	0	0	48 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	at rail post 5, delamination/spall [2ft x 8in x 3in deep]	3	2	2	Feet
333	Corrosion	along length of rail, active corrosion with no section loss noted	2	18		Feet
333	Cracking (RC and Other)	along length of curb, multiple vertical cracks [6in x 0. 02in] some wrap around to top face	2	7		Feet
333	Damage	top of rail near midspan, impact damage [6ft x 2in]	2	3	3	Feet
515	Effectiveness (Steel Protective Coatings)	coating failure with active corrosion	4	48	48	Square Feet

General Comments

Span 2

Slab 1

Prestressed Concrete Channel

Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestres	ssed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	30	25	2	3	0	Feet
Elemen Numbe	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
109	Delamination/Spall	right leg 6ft from bent 2, spall (30in x 3 with exposed rusted rebar	3in x 3/4in)		3	3	:	3 Feet
109	Delamination/Spall	right leg at near third, two [2] spalls [u 3/4in deep]	p to 6in x 3in x		2	2	:	2 Feet

General Comments

West face at grout pocket 1, missing grout with exposed tendon with surface rust [no section loss noted]

Prestressed Concrete Channel

Elerr Num	iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	30	25	0	2	3	Feet
Element Number	Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
] 109	Delamination/Spall	[PAR] left and right leg at bent 2, two [spalls/delaminations [up to 36in x 6in x with two [2] exposed stirrups [no section and exposed strand [section loss up to	x full width], on loss noted]		4	3		3 Feet
109	Delamination/Spall	left leg at bent 1, spall [16in x 8in x 3/2 two [2] exposed stirrups [no section lo			3	2		2 Feet

Slab 2

General Comments

Span 2		Slab 3					
Prestres	ssed Concrete	e Channel					
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestres	ssed Concrete Top Flange	77	77	0	0	0 Square Feet
109	Prestres	ssed Concrete Open Girder/Beam	30	28	0	2	0 Feet
Element Number	Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty
] 109 Dela	amination/Spall	left leg at bent 1, delamination [14in x	4in]		3	2	2 Feet

General Comments

	Slab 4						
sed Concret	e Channel						
	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
Prestres	ssed Concrete Top Flange	77	77	0	0	0	Square Feet
Prestres	ssed Concrete Open Girder/Beam	30	28	0	2	0	Feet
Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
mination/Spall				3	2	-	2 Feet
	Prestre: Prestre: Defect Type	Seed Concrete Channel Element Name Prestressed Concrete Top Flange Prestressed Concrete Open Girder/Beam Defect Type mination/Spall left and right leg at bent 1, three [3] sp x 5in x 1/2in deep], with exposed stirred	ssed Concrete Channel Total Qty Prestressed Concrete Top Flange 77 Prestressed Concrete Open Girder/Beam 30 Defect Type Defect Description mination/Spall left and right leg at bent 1, three [3] spalls [up to 8in x 5in x 1/2in deep], with exposed stirrup [no section	Element Name Total Qty CS1 Qty Prestressed Concrete Top Flange 77 77 Prestressed Concrete Open Girder/Beam 30 28 Defect Type Defect Description mination/Spall left and right leg at bent 1, three [3] spalls [up to 8in x 5in x 1/2in deep], with exposed stirrup [no section	Seed Concrete Channel Element Name Total Qty CS1 Qty CS2 Qty Prestressed Concrete Top Flange 77 77 0 Prestressed Concrete Open Girder/Beam 30 28 0 Defect Type Defect Description CS mination/Spall left and right leg at bent 1, three [3] spalls [up to 8in x 5in x 1/2in deep], with exposed stirrup [no section 3	Seed Concrete Channel Element Name Total Qty CS1 Qty CS2 Qty CS3 Qty Prestressed Concrete Top Flange 77 77 0 0 Prestressed Concrete Open Girder/Beam 30 28 0 2 Defect Type Defect Description CS CS Qty mination/Spall left and right leg at bent 1, three [3] spalls [up to 8in x 5in x 1/2in deep], with exposed stirrup [no section 3 2	Seed Concrete Channel Element Name Total Qty CS1 Qty CS2 Qty CS3 Qty CS4 Qty Prestressed Concrete Top Flange 77 77 0 0 Prestressed Concrete Open Girder/Beam 30 28 0 2 0 Defect Type Defect Description CS CS Qty Maint Qty mination/Spall left and right leg at bent 1, three [3] spalls [up to 8in x 5in x 1/2in deep], with exposed stirrup [no section 3 2

General Comments

Span 2

Slab 5

Prestressed Concrete Channel

Element Number		ement Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Co	ncrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Co	ncrete Open Girder/Beam	30	28	1	0	1	Feet
Element Number	Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	

Structure	Number: <u>910126</u>			Inspe	ction Date: 07/28/202	<u>22</u>
<u> </u>	Delamination/Spall	(PAR) left and right leg at bent 1, two [2] spalls [up to 12in x 8in x up to full width], with exposed stirrup [no section loss noted] channel legs crushing and bottom of channel legs sits below top of crutch bent cap	4	1	1 Feet	
109	Delamination/Spall	left leg at far end, spall [3in x 4in x 1/2in deep]	2	1	1 Feet	
	Companyal Community					

General Comments

Span 2

Slab 6

Prestressed Concrete Channel

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	77	77	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	30	24	1	5	0 Feet

Elemen Numbe	Defect Tune	Defect Description	CS	CS Qty	Maint Qty
<u> </u>	Delamination/Spall	left and right leg at bent 1, four [4] spalls [up to 6.5in x 5.5in x 1/2in deep], with four [4] exposed stirrups [no section loss noted]	3	4	4 Feet
<u> </u>	Delamination/Spall	left leg at 15ft from bent 1, spall (8in x 2in x 1/2in)	3	1	1 Feet
109	Delamination/Spall	right leg atb15ft from bent 2, spall (5in x 1-1/2in x 1/2in)	2	1	1 Feet
	0				

General Comments

Span 2

Slab 7

Prestressed Concrete Channel

	nent nber Prestres	Element Name sed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109	Prestress	sed Concrete Open Girder/Beam	30	23	0	4	3	Feet
Elemen Number	Defect Turne	Defect Descriptio	n		CS	CS Qty	Maint Qty	
109	Delamination/Spall	[PAR] left leg near midspan, spall/delam x 4in x full width], with exposed strand up to 30%]			4	3		3 Feet
109	Delamination/Spall	left and right leg at bent 1, four [4] spalls 3in x 1/2in], with three [3] exposed stirr section loss noted]			3	4		4 Feet

General Comments

Span 2

Slab 8

Prestressed Concrete Channel

Element Number	Ele	ement Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Cor	crete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Cor	crete Open Girder/Beam	30	21	0	9	0	Feet
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	

109 Delamination/Spall

left and right leg along full length, nine [9] spalls [up to 8in x 4in x up to 1in], with five [5] exposed stirrups [no section loss noted] Inspection Date: 07/28/2022

9 Feet

9

3

General Comments

Span 2

Slab 9

Prestressed Concrete Channel

	ment nber Prestre	Element Name ssed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109	Prestre	ssed Concrete Open Girder/Beam	30	16	0	3	11	Feet
Elemen Numbe	Dofact Type	Defect Description	on		CS	CS Qty	Maint Qty	
<u> </u>	Delamination/Spall	[PAR] right leg 12ft from bent 1, spall/d [6ft x 3in x full width] with exposed stran section loss)			4	6		6 Feet
109	Delamination/Spall	[PAR] right leg at bent 1, spall/delamina 8in x up to full width] with one exposed section loss on strand)	•		4	5		5 Feet
109	Delamination/Spall	left and right leg at bent 2, three [3] spalls/delaminations [up to 10in x 5in x with exposed stirrup [no section loss no	1 1/		3	2		2 Feet
109 	Delamination/Spall	left leg at bent 1, spall/delamination [8ir 1/2in] with exposed stirrup [no section l			3	1		1 Feet

General Comments

Span 2

Slab 10

Prestressed Concrete Channel

	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestres	ssed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	30	20	1	9	0	Feet
Elemen Numbe	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
109	Delamination/Spall	left and right leg at bent 1, four [4] spa x 6in x 1/2in]	Ills [up to 18in		3	5	-	5 Feet
109	Delamination/Spall	left leg at midspan, delamination (4ft x longitudinal crack crack (up to 1/8in)	2in high) with		3	4		4 Feet
109	Delamination/Spall	left leg at bent 2, spall [up to 5in x 4in	x 1/4in deep]		2	1		1 Feet

General Comments

East face at grout pocket 1, missing grout with exposed tendon with surface rust [no section loss noted]

Spa	in 3	Wearing S	urface				
Asp	halt Wearing Su	face					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearin	g Surface	723	548	0	175	0 Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	1/8" TRANSVERSE CRACK OVE	ER BENT 2		3	25	25 Square Feet

510 Crack (Wearing Surface)

along edges of channels, (5) longitudinal cracks (full length x 1/16in)

Inspection Date: 07/28/2022

150 150 Square Feet

CS4

Qty

15 Feet

48 Square Feet

3

General Comments

Span 3	Left Br	idge Rail			
Concrete a	nd Metal Railing				
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty
333	Other Bridge Railing	30	0	15	0
515	Steel Protective Coating	48	0	0	0
lement					

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
✓ 333	Damage	PAR-Left rail in span 3 has impact damage and has completely separated from structure from midspan to bent 3. All post are missing in this area with spalling up to 1foot wide x 4 inches deep at post connections to curbing.	4	15		Feet
333	Corrosion	along length of rail, active corrosion with no section loss noted	2	5		Feet
333	Cracking (RC and Other)	along length of curb, multiple vertical cracks [6in x 0. 02in] some wrap around to top face	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	coating failure with active corrosion	4	48	48	Square Feet

General Comments

Span 3

Right Bridge Rail

Concrete and Metal Railing

Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty 333 Other Bridge Railing 0 Feet 30 0 30 0 515 Steel Protective Coating 0 0 48 Square Feet 48 0 Element Maint **Defect Type Defect Description** cs CS Qty Number Qty Corrosion along length of rail, active corrosion with no section 2 16 Feet 333 loss noted Cracking (RC and along length of curb, multiple vertical cracks [full 2 6 Feet 333 height x 0.02in] some wrap around to top face Other) along length of rail at top, three [3] areas of impact 2 8 333 Damage 8 Feet damage [up to 3ft x 3in] 515 Effectiveness (Steel coating failure with active corrosion 4 48 48 Square Feet Protective Coatings)

General Comments

Span 3

Slab 1

Prestressed Concrete Channel

Eleme Numb	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	30	29	0	1	0	Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
109	Delamination/Spall	right leg at bent 2, spall [11in x 6in x 1in], exposed rusted reinforcing [no section los			3	1		1 Feet

Spa	n 3	Slab 2						
Pres	stressed Concrete	Channel						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestress	sed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestress	sed Concrete Open Girder/Beam	30	17	0	7	6	Feet
Elemen Numbe	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
109	Exposed Prestressing	[PAR] left leg at bent 3, spall [6ft x full with exposed strand (40% section los			4	6		6 Feet
109	Cracking (PSC)	left leg at bent 2, longitudinal crack (4	ft x 1/32in)		3	4		4 Feet
<u> </u>	Delamination/Spall	left right leg at bent 2, two [2] spalls/d [8in x 5in x 1in deep], with exposed st section loss noted]			3	1		1 Feet
109	Exposed Prestressing	(PAR) right leg at midspan, spall (20ir with exposed rusted strand	n x 5in x 3/4in)		3	2		2 Feet
-	General Comments							
Spa	n 3	Slab 3						
Pres	stressed Concrete	Channel						

Elem Num 15	ber	Element Name ssed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Square Feet	
109		ssed Concrete Open Girder/Beam	30	29	1	0	0 Feet	
Element Number	Defect Turne	Defect Description			CS	CS Qty	Maint Qty	
109	Delamination/Spall	left leg at bent 2, delamination [5in x 5in]			2	1	1 Feet	

General Comments

Span 3

Slab 5

Prestressed Concrete Channel

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	30	23	0	7	0	Feet
Element Number	Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
109	Delamination/Spall	(PAR) right leg at bent 3, spall [6in x 4 width], with exposed strand	in x full		3	1		1 Feet
109	Delamination/Spall	left and right legs along length of slab, spalls/delaminations [up to 8in x 6in x with six [6] exposed stirrups [no sectio	1/2in deep],		3	6		6 Feet

	nent nber Prestre:	Element Name ssed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109		ssed Concrete Open Girder/Beam	30	23	4	3	0	Feet
Elemen Numbe	Dofact Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
109	Delamination/Spall	[PAR] left leg at far third, spall [2ft x 5ir exposed strand	n] with		3	2		2 Feet
109	Delamination/Spall	right leg at bent 3, spall [10in x 4in x 1/	'2in deep]		3	1		1 Feet
] 109	Delamination/Spall	left and right leg along length of slab, f spalls/delaminations [2in x 4in x 1/2in three [3] exposed stirrups [no section I	deep], with		2	4		4 Feet

General Comments

Span 3

Slab 7

Prestressed Concrete Channel

Elen Num 15	nber	Element Name essed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Square Feet
109	Prestre	essed Concrete Open Girder/Beam	30	29	1	0	0 Feet
Element Number	Dofoot Typo	Defect Description	n		CS	CS Qty	Maint Qty
109	Delamination/Spall	left leg at bent 3, spall [6in x 2in x 1/4in o	deep]		2	1	1 Feet

General Comments

Span 3

Slab 8

Prestressed Concrete Channel

	ement mber Prestre	Element Name ssed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109	Prestre	ssed Concrete Open Girder/Beam	30	27	0	3	0	Feet
Eleme	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
109	Cracking (PSC)	right leg at far third, longitudinal crack 1/32in)	(16in x		3	2	-	2 Feet
109	Delamination/Spall	left and right leg at bent 3, two [2] spalls/delaminations [up to 9in x 2in x with exposed strand [no section loss n			3	1		1 Feet

Structure Number: 910126

Span 3

Prestressed Concrete Channel

Elem Num 15	nber	Element Name ssed Concrete Top Flange	Total Qty 77	CS1 Qty 77	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	30	28	1	1	0 Feet
Element Number	Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty
109	Delamination/Spall	left leg at 6ft from bent 2, spall (6in x 2	2in x 1/2in)		3	1	1 Feet
109	Delamination/Spall	left leg at bent 3, spall [3in x 2in x 1/4i			2	4	1 Feet

General Comments

Span 3

Slab 10

Slab 9

Prestressed Concrete Channel CS4 Element Total CS1 CS2 CS3 Qty Qty Number **Element Name** Qty Qty Qty 15 Prestressed Concrete Top Flange 77 77 0 0 0 Square Feet 109 Prestressed Concrete Open Girder/Beam 0 2 30 28 0 Feet Element Maint Defect Type **Defect Description** CS CS Qty Number Qty 3 2 2 Feet 109 Delamination/Spall right leg at bent 2, spall [22in x 15in x 2in], with exposed stirrup [no section loss noted]

General Comments

Span 4

Wearing Surface

Asphalt Wearing Surface

Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	733	538	0	195	0 S	quare Feet
Elemen Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	along edges of channels, (5) lor length x 1/8in)	igitudinal cracks (full		3	150	150	Square Feet
510	Crack (Wearing Surface)	over end bent 2, transverse crac 1/8in)	ck (full width x up to		3	25	25	Square Feet
510	Patched Area/Pothole (Wearing Surface)	northbound lane along edge of o pothole (20ft x 3in x 1in)	channels 8 and 9,		3	20	20	Square Feet
Ī	General Comments							

Span 4

Left Bridge Rail

Concrete and Metal Railing

Elem Num 333		Other Br	Element Name idge Railing		Total Qty 31	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 31	
515		Steel Pro	otective Coating		49	0	0	0	49	Square Feet
Element Number	Dofoot	Туре	C	Defect Description			CS	CS Qty	Maint Qty	
333	Connection		[PAR] rail post 6 is mis	sing			4			1 Feet

Structure	Number: <u>910126</u>			Inspectio	on Date: 07/28/2022
√ 333	Damage	PAR-Left rail in span 4 has impact damage and has completely separated from structure along length. All post are missing with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.	4	31	Feet
333	Delamination/Spall	(PAR) at rail posts 3,4 & 5, delamination/spall [up to 3ft x 11in x 3in deep] allowing excessive deflection of rail	3		9 Feet
333	Corrosion	along length of rail, active corrosion with no section loss noted	2		Feet
333	Cracking (RC and Other)	along length of curb, multiple vertical cracks [full height x 0.02in] some wrap around to top face	2		Feet
515	Effectiveness (Steel Protective Coatings)	coating failure with active corrosion	4	49	49 Square Feet

General Comments

Span 4

Right Bridge Rail

Concrete and Metal Railing

	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Br	idge Railing	31	0	31	0	0	Feet
515	Steel Pr	ptective Coating	31	0	0	0	31	Square Feet
Elemen Numbe	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
333	Corrosion	along length of rail, active corros loss noted	sion with no section		2	25	-	Feet
333	Cracking (RC and Other)	along length of curb, multiple ver 02in] some wrap around to top fa	•		2	6		Feet
515	Effectiveness (Steel Protective Coatings)	coating failure with active corros	ion		4	31	3	1 Square Fee

General Comments

Span 4

Slab 1

Prestressed Concrete Channel

Elem Num 15	iber	Element Name ssed Concrete Top Flange	Total Qty 78	CS1 Qty 78	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109	Prestre	ssed Concrete Open Girder/Beam	31	25	1	5	0	Feet
Element Number	Dofact Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
109	Delamination/Spall	right leg at bent 3, two [2] spalls [up to with exposed stirrup [no section loss n	-		3	2		2 Feet
] 109	Delamination/Spall	right leg at near third, spall [14in x 3in with exposed stirrup [no section loss n	-		3	2		2 Feet
109	Delamination/Spall	right leg near midspan, spall [12in x 8i exposed stirrup [no section loss noted	-		3	1		1 Feet
109	Delamination/Spall	at far end of right leg, spall [3in x 2in x	1/4in deep]		2	1		1 Feet

Prestressed Concrete Channel

Elem Num 15	iber	Element Name ssed Concrete Top Flange	Total Qty 78	CS1 Qty 78	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
109	Prestre	ssed Concrete Open Girder/Beam	31	29	2	0	0	Feet
Element	Defect Type						Maint	
Number	Delect Type	Defect Descripti	on		CS	CS Qty	Qty	
Number	Delamination/Spall	at far end of left leg, spall [2in x 2in x 1 with one exposed stirrup [no section lo	/4in deep]		CS 2	CS Qty 1		1 Feet

General Comments

Span 4

Slab 3

Slab 2

Prestressed Concrete Channel

Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	30	1	0	0	Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
] 109 [Delamination/Spall	at far end of both legs, spall [4in x 2in x 1/ with two exposed stirrups [no section loss			2	1	-	1 Feet

General Comments

Span 4

Span 4

Slab 4

Prestressed Concrete Channel

Elemer Numbe	er	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	30	0	0	1	Feet
Element Number	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
109 De	elamination/Spall	(PAR) at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1-1/2			4	1		1 Feet

General Comments

Slab 5

Prestressed Concrete Channel

Elem Numl 15	ber	Element Name ssed Concrete Top Flange	Total Qty 78	CS1 Qty 78	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Square Feet
109	Prestres	ssed Concrete Open Girder/Beam	31	28	1	2	0 Feet
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty
<u> </u>	Delamination/Spall	right leg at bent 3, spall/delamination [1/2in] with two [2] exposed stirrups [no noted]			3	2	2 Feet

Delamination/Spall

at far end of right leg, spall [3in x 2in x 1/4in deep] with one exposed stirrup [no section loss noted] Inspection Date: 07/28/2022 1 1 Feet

1

2

-		Slab 6						
Prestress	ed Concret	e Channel						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre	ssed Concrete Open Girder/Beam	31	29	2	0	0	Feet
Element Number D	efect Type	Defect Description	on		CS	CS Qty	Maint Qty	
] 109 Delam	ination/Spall	at far end of left leg, two [2] spalls/dela [6in x 5in x 1/2in deep] with two expose section loss noted]			2	1	-	1 Feet
] 109 Delam	ination/Spall	left leg at bent 3, spall [6in x 3in x 1/2ir	ן]		2	1		1 Feet
Genera	I Comments							
Span 4		Slab 7						
Prestress	ed Concret	e Channel						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestre	ssed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestre							
	1100010	ssed Concrete Open Girder/Beam	31	30	1	0	0	Feet
Element Number D	efect Type	essed Concrete Open Girder/Beam Defect Description		30	1 CS	0 CS Qty	Maint	Feet
Number D			on deep] with	30			Maint Qty	Feet 1 Feet
Number D	efect Type	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in	on deep] with	30	CS	CS Qty	Maint Qty	
Number D	Pefect Type ination/Spall	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in	on deep] with	30	CS	CS Qty	Maint Qty	
Number D 109 Delam Genera Span 4	Pefect Type ination/Spall	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in two exposed stirrups [no section loss n Slab 8	on deep] with	30	CS	CS Qty	Maint Qty	
Number D 109 Delam Genera Span 4 Prestress Element	Pefect Type ination/Spall I Comments	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in two exposed stirrups [no section loss n Slab 8 te Channel	on deep] with toted]	CS1	CS 2 CS2	CS Qty 1 CS3	Maint Qty	1 Feet
Number Delam] 109 Delam Genera Span 4 Prestress Element Number	Pefect Type ination/Spall I Comments ed Concret	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in two exposed stirrups [no section loss n Slab 8 te Channel Element Name	on deep] with hoted] Total Qty	CS1 Qty	CS 2 CS2 Qty	CS Qty 1 CS3 Qty	Maint Qty CS4 Qty	1 Feet
Number D 109 Delam Genera Span 4 Prestress Element Number 15	Pefect Type ination/Spall I Comments ed Concret	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in two exposed stirrups [no section loss n Slab 8 te Channel Element Name assed Concrete Top Flange	on deep] with noted] Total Qty 78	CS1 Qty 78	CS 2 CS2 Qty 0	CS Qty 1 CS Qty 0	Maint Qty CS4 Qty 0	1 Feet
Number Delam] 109 Delam Genera Span 4 Prestress Element Number	Pefect Type ination/Spall I Comments ed Concret	Defect Description at far end of both legs, three [3] spalls/delaminations [6in x 6in x 1/2in two exposed stirrups [no section loss n Slab 8 te Channel Element Name	on deep] with hoted] Total Qty	CS1 Qty	CS 2 CS2 Qty	CS Qty 1 CS3 Qty	Maint Qty CS4 Qty 0	1 Feet

Number	Defect Type	Defect Description	CS	CS Qty	Qty	
109	Delamination/Spall	(PAR) left leg at far third, spall/delamination [36in x 3in x 2in deep] with exposed rusted strand	4	1	1	Feet
109	Exposed Prestressing	[PAR] right leg at far third, spall [4ft x 3in x full width] with exposed strand	4	4	4	Feet
109	Cracking (PSC)	right leg at near third, longitudinal crack (1ft x 1/32in)	3	1	1	Feet
109	Delamination/Spall	right leg at near third, five [5] spalls/delaminations [up to 8in x 3in x 1/2in deep] with four [4] exposed stirrups [no section loss noted]	3	5	5	Feet
<u> </u>	Delamination/Spall	at far end of both legs, two [2] spalls/delaminations [8in x 3in x 1/2in deep] with two exposed stirrups [no section loss noted]	2	1	1	Feet

109 Delamination/Spall

left leg at bent 3, spall [4in x 4in x 1/4in deep]

Inspection Date: 07/28/2022

1 Feet

1

General Comments

Span 4 Slab 9 Prestressed Concrete Channel Element Number Element Name Total Ray Prestressed Concrete Top Flange 78 0 0 0 Square Feet 103 Prestressed Concrete Open Girder/Beam 31 30 0 1 0 Feet Element Number Defect Type Defect Description CS CS up Maint 109 Delamination/Spall at far end of right eg, spall [8n x4 in x1 in deep] 3 1 1 Feet Element Number Defect Type Defect Description CS up CS up Qry Qry Qry Qry Qry 109 Delamination/Spall at far end of right eg, spall [8n x4 in x1 in deep] 3 1 1 Feet 119 Delamination/Spall at are end or right eg, spall [8n x4 in x 1 in deep] 78 O 0 0 Square Feet 109 Prestressed Concrete Channel Element Name Total CS1 CS2 CS3 Qry Qry 109 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet Element Number Defect Type Defect Description CS CS or Qry Qry Qry 20 20 Feet </th <th>-</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	-								
Element Number Total Gty CS1 Qty CS2 Qty CS3 Qty CS4 Qty Qty Qty Qty Qty Qty Qt	Spa	an 4	Slab 9						
NumberElement NameCtyCt	Pre	stressed Concret	e Channel						
109 Prestressed Concrete Open Girder/Beam 31 30 0 1 0 Feet Element Number Defect Type Defect Description CS CS Qty Maint Qty 109 Delamination/Spall at far end of right leg, spall [Bits x4in x 1 in deep] with one exposed stirrup [no section loss noted] 3 1 1 Feet General Comments Span 4 Slab 10 Prestressed Concrete Channel Sign 2 CS1 Qty Qty Qty Qty Qty Qty <td< td=""><td></td><td>mber</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		mber							
Element Number Defect Type Defect Description CS CS Ry Maint Ry 109 Delamination/Spall at far end of right leg, spall [8in x 4in x 1in deep] 3 1 1 Feet General Comments General Comments Siab 10 3 1 1 Feet Prestressed Concrete Channel Element Name Total Qty CS1 CS2 CS3 CS4 Qty	15	Prestres	ssed Concrete Top Flange	78	78	0	0	0 S	quare Feet
Number Defect Type Defect Description CS CS of ty "Gty" 109 Delamination/Spall at far end of right leg, spall [8in x 4in x 1in deep] 3 1 1 Feet General Comments 3 1 1 Feet 1 Feet Element Stab 10 Prestressed Concrete Channel Total CS1 CS2 CS3 CS4 Gty Gty </td <td>109</td> <td>Prestres</td> <td>ssed Concrete Open Girder/Beam</td> <td>31</td> <td>30</td> <td>0</td> <td>1</td> <td>0 F</td> <td>eet</td>	109	Prestres	ssed Concrete Open Girder/Beam	31	30	0	1	0 F	eet
with one exposed stirrup [no section loss noted] General Comments Span 4 Slab 10 Prestressed Concrete Channel Element Number Element Name Total Qty Qty		Defect Tune	Defect Descript	ion		CS	CS Qty		
General Comments Span 4 Slab 10 Prestressed Concrete Channel Element Number Element Name (Qty) CS1 Qty CS2 Qty CS3 Qty CS4 Qty 15 Prestressed Concrete Top Flange 78 0 0 0 0 Square Feet 109 Prestressed Concrete Top Flange 78 9 1 1 20 Feet 109 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet Element Number Defect Type Defect Description CS CS and the colspan="2">CS aty Maint Aty 109 Exposed Prestressing [PAR] 5 TOTAL AREAS OF AREAS IN LEFT LEG OF FULL WIDTH × UP TO 6" HIGH SPALLS WITH EXPOSED STRANDS FOR 20" TOTAL (20% SECTION LOSS) 3 1 1 Feet 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 216 Timber Abutment 36 0 26 10 <td>109</td> <td>Delamination/Spall</td> <td></td> <td></td> <td></td> <td>3</td> <td>1</td> <td>1</td> <td>Feet</td>	109	Delamination/Spall				3	1	1	Feet
Prestressed Concrete Channel Number Element Number Element Name Total Cty CS1 Rty CS2 Cty CS3 Cty CS4 Cty 15 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet 109 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet Element Number Defect Type Defect Description CS CS or Qty Maint Qty Maint Qty 20 Feet 109 Exposed Prestressing [PAR] 5 TOTAL AREAS OF AREAS IN LEFT LEG OF FULL WIDTH X UP TO 6' HIGH SPALLS WITH EXPOSED STRANDS FOR 20' TOTAL (20% SECTION LOSS) 3 1 1 Feet 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 0<		General Comments							
Prestressed Concrete Channel Number Element Number Element Name Total Cty CS1 Rty CS2 Cty CS3 Cty CS4 Cty 15 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet 109 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet Element Number Defect Type Defect Description CS CS or Qty Maint Qty Maint Qty 20 Feet 109 Exposed Prestressing [PAR] 5 TOTAL AREAS OF AREAS IN LEFT LEG OF FULL WIDTH X UP TO 6' HIGH SPALLS WITH EXPOSED STRANDS FOR 20' TOTAL (20% SECTION LOSS) 3 1 1 Feet 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 0<	Spa	an 4	Slab 10						
NumberElement NameQtyQt	-								
109 Prestressed Concrete Open Girder/Beam 31 9 1 1 20 Feet Element Number Defect Type Defect Description CS CS Qty Maint Qty 20 Feet 109 Exposed Prestressing [PAR] 5 TOTAL AREAS OF AREAS IN LEFT LEG OF FULL WIDTH X UP TO 6' HIGH SPALLS WITH EXPOSED STRANDS FOR 20' TOTAL (20% SECTION LOSS) 4 20 20 Feet 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 216 Timber Abutment 2 26 CS3 CS4 Qty Qty Qty Qty Qty Qty Qty			Element Name						
Element Number Defect Type Defect Description CS CS Qty Maint Qty 109 Exposed Prestressing [PAR] 5 TOTAL AREAS OF AREAS IN LEFT LEG OF FULL WIDTH X UP To 6" HIGH SPALLS WITH EXPOSED STRANDS FOR 20" TOTAL (20% SECTION LOSS) 4 20 20 Feet 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 20 Feet Abutment Total CS1 CS2 CS3 CS4 100 Timber Abutment 36 0 26	15	Prestres	ssed Concrete Top Flange	78	78	0	0	0 S	quare Feet
Number Defect Type Defect Description CS CS CS Qty 109 Exposed Prestressing [PAR] 5 TOTAL AREAS OF AREAS IN LEFT LEG OF FULL WIDTH X UP TO 6" HIGH SPALLS WITH EXPOSED STRANDS FOR 20' TOTAL (20% SECTION LOSS) 4 20 20 Feet 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet General Comments Feet Abutment 7 7 7 7 7 216 Timber Abutment Element Name Total Qty Qty <td< td=""><td>109</td><td>Prestres</td><td>ssed Concrete Open Girder/Beam</td><td>31</td><td>9</td><td>1</td><td>1</td><td>20 F</td><td>eet</td></td<>	109	Prestres	ssed Concrete Open Girder/Beam	31	9	1	1	20 F	eet
Image: Section Loss FULL WIDTH X UP TO 6" HIGH SPALLS WITH EXPOSED STRANDS FOR 20' TOTAL (20% SECTION LOSS) 109 Delamination/Spall right leg at bent 3, spall [10in x 4in x 3/4in deep] 3 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet 109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet General Comments Abutment 2 1 1 Feet Total General Comments Total CS1 CS2 CS3 CS4 Vity CS1 CS1 CS2 CS3 CS4 Number Defect Type Defect Description CS CS Qty Maint Qty 216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] 3 10 10 Feet Element Name CS CS Qty Maint Qty 216 Defect Type Defect Description CS CS Qty Maint Qty 216 Decay/Sec		Defect Type	•			CS	CS Qty		
109 Delamination/Spall at far end of left leg, spall [3in x 2in x 1/4in deep] 2 1 1 Feet General Comments General Comments 2 1 1 Feet End Bent 1 Abutment Abutment Feet Feet CS1 CS2 CS3 CS4 Number Element Name Qty Qt	109	Exposed Prestressing	FULL WIDTH X UP TO 6" HIGH SPA EXPOSED STRANDS FOR 20' TOTA	LLS WITH		4	20	20	Feet
with one exposed stirrup [no section loss noted] General Comments Abutment End Bent 1 Abutment Timber Abutment Total Qty CS1 Qty CS2 Qty CS4 Qty 216 Timber Abutment Defect Description CS CS Qty Maint Qty 216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] with fill exposed 3 10 10 Feet 216 Check/Shake along length of backwall, checks/shakes [up to 1ft x 2 26 26 26 26 26 26 26 20 26 20 </td <td>109</td> <td>Delamination/Spall</td> <td>right leg at bent 3, spall [10in x 4in x 3</td> <td>/4in deep]</td> <td></td> <td>3</td> <td>1</td> <td>1</td> <td>Feet</td>	109	Delamination/Spall	right leg at bent 3, spall [10in x 4in x 3	/4in deep]		3	1	1	Feet
End Bent 1 Abutment Timber Abutment Total Number CS1 CS2 CS3 CS4 216 Timber Abutment 36 0 26 10 0 Feet Element Number Defect Type Defect Description CS CS Qty Maint Qty 216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] with fill exposed 3 10 10 Feet 216 Check/Shake along length of backwall, checks/shakes [up to 1ft x 2 26 26 Feet	109	Delamination/Spall				2	1	1	Feet
Timber Abutment Element Number Element Name Total Qty CS1 Qty CS2 Qty CS3 Qty CS4 Qty 216 Timber Abutment 36 0 26 10 0 Feet Element Number Defect Type Defect Description CS CS Qty Maint Qty 216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] with fill exposed 3 10 10 Feet 216 Check/Shake along length of backwall, checks/shakes [up to 1ft x 2 26 26 Feet		General Comments							
Element Number Element Name Total Qty CS1 Qty CS2 Qty CS3 Qty CS4 Qty 216 Timber Abutment 36 0 26 10 0 Feet Element Number Defect Type Defect Description CS CS Qty Maint Qty 216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] with fill exposed 3 10 10 Feet 216 Check/Shake along length of backwall, checks/shakes [up to 1ft x 2 26 26 Feet	Enc	d Bent 1	Abutment						
Number Element Name Qty	Tim	ber Abutment							
Number Defect Type Defect Description CS CS Qty Qty 216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] with fill exposed 3 10 10 Feet 216 Check/Shake along length of backwall, checks/shakes [up to 1ft x 2 26 Feet	Nu	mber		Qty	Qty	Qty	Qty	Qty	eet
216 Decay/Section Loss [PAR] between piles 3 and 5 second bulkhead board below cap, decay [10ft x up to full height x full width] with fill exposed 3 10 10 Feet 216 Check/Shake along length of backwall, checks/shakes [up to 1ft x 2 26 Feet			Defect Descript	ion		CS	CS Qty		
			below cap, decay [10ft x up to full heig			3	10	-	Feet
	216	Check/Shake				2	26	26	Feet

General Comments

2

	<u>26</u>				IN	spection Date: 07/28	8/202
End Bent 1	Pile 1						
Timber Pile							
Element Number 228	Element Name Timber Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each	
Element Number Defect T	ype Defect Des	cription		cs	CS Qty	Maint Qty	
228 Decay/Section	h Loss (PAR) along height of exposed pi [full height x up to 1/8in], pile sour hammered			3	1	1 Each	
General Comm	nents						
End Bent 1	Pile 2						
Timber Pile							
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0 Each	
Element Number Defect T	ype Defect Des	cription		CS	CS Qty	Maint Qty	
228 Check/Shake	along height of exposed pile, mul height x up to 1/8in]	tiple checks [full		2	1	1 Each	
General Comm							
Replaced	pile section with concrete collar						
End Bent 1	Pile 3						
Timber Pile							
Element Number 228	Element Name Timber Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each	
Element		•	0	0	I	Maint	
Number Defect T		•		CS	CS Qty	Qty	
228 Decay/Section	a Loss (PAR) at base of pile, multiple cho up to 1/4in wide x up to 2in deep] x 3in deep]			3	1	1 Each	
General Comm	nents						
End Bent 1	Pile 4						
Timber Pile							
Element Number 228	Element Name Timber Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 Each	
Element Defect T	Defect Dec	aviation		<u> </u>	CC 04-	Maint	
Number Defect T	ype Defect Dese	cription tiple checks [full		CS	CS Qty	Qty 1 Each	

replaced pile section with concrete collar

	Number: <u>910126</u>					In	spection Date: 07/28	/2022
Enc	d Bent 1	Pile 5						
Tim	ber Pile							
	ment mber Timber	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each	
Elemer	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint	
Numbe	Scour	(PAR) concrete collar is undermined			3	1	Qty 1 Each	
228	Check/Shake	along height of exposed pile, multiple height x up to 1/16in]	e checks [full		2		1 Each	
		ion with concrete collar undermined, [full width x 1ft high]						
Enc	d Bent 1	End Bent Ca	р 1					
Pre	stressed Concrete	e Pier Cap						
	ment mber Prestres	Element Name ssed Concrete Pier Cap	Total Qty 26	CS1 Qty 25	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Feet	
Elemer Numbe	Defect Turne	Defect Descrip	otion		CS	CS Qty	Maint Qty	
233	Delamination/Spall	over pile 3, spall/delamination [8in x deep]	5in x 1/4in		3	1	1 Feet	
	d Bent 2 Iber Abutment	Abutment						
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber /	Abutment	36	0	18	13	5 Feet	
Elemer Numbe	Defect Turne	Defect Descrip	otion		CS	CS Qty	Maint Qty	
216	Damage	PAR- End Bent 2 bulkhead is broker a 5 foot long area at left end due to i	n and missing in mpact damage.		4	5	Feet	
216	Decay/Section Loss	[PAR] between piles 1 and 2, lower t x 4in x full width] with exposed/missi material			3	3	3 Feet	
	Soour				3	10	10 Feet	
216	Scour	between piles 1 & 3, erosion [10ft lor deep] also gap [up to 2in] at cap/bac			0			
216	Check/Shake		kwall junction		2	18	23 Feet	_
216		deep] also gap [up to 2in] at cap/bac	kwall junction			18	23 Feet	_
216	Check/Shake	deep] also gap [up to 2in] at cap/bac	kwall junction			18	23 Feet	_
216 216 Enc	Check/Shake General Comments	deep] also gap [up to 2in] at cap/bac along length of abutment, checks [up	kwall junction			18	23 Feet	_
216 Enc Tim Ele	Check/Shake General Comments	deep] also gap [up to 2in] at cap/bac along length of abutment, checks [up Pile 1 Element Name	kwall junction	CS1 Qty 0		18 CS3 Qty 0	23 Feet CS4 Qty 0 Each	-
216 Enc Tim Elei Nur 228 Elemer Numbe	Check/Shake General Comments d Bent 2 hber Pile ment mber Timber nt pr Defect Type	deep] also gap [up to 2in] at cap/bac along length of abutment, checks [up Pile 1 Element Name Pile Defect Descrip	Total Qty 1	Qty	2 CS2 Qty 1 CS	CS3 Qty	CS4 Qty 0 Each Maint Qty	_
216 Enc Tim Elei Nur 228 Elemer	Check/Shake General Comments d Bent 2 hber Pile ment mber Timber	deep] also gap [up to 2in] at cap/bac along length of abutment, checks [up Pile 1 Element Name Pile	Total Qty 1 Dtion [up to 1/16in]	Qty	2 CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 Each Maint	-

General Comments

End								
	I Bent 2	Pile 2						
Tim	ber Pile							
	ment		Total	CS1	CS2	CS3	CS4	
NUN 228	nber Timber l	Element Name Pile	Qty 1	Qty 0	Qty 1	Qty 0	Qty 0 Each	
Elemen	it D. () T					00 0/	Maint	
Number	r Defect Type Check/Shake	Defect Descri along height of pile, multiple checks	-		CS 2	CS Qty	Qty 1 Each	
					2			-
	General Comments							
End	Bent 2	Pile 3						
Tim	ber Pile							
Eler	ment		Total	CS1	CS2	CS3	CS4	
Nun 228	nber Timber l	Element Name	Qty 1	Qty 0	Qty 0	Qty 1	Qty 0 Each	
Elemen							Maint	
Numbe	r Defect Type	Defect Descr	•		CS	CS Qty	Qty	
228	Decay/Section Loss	at base of pile, decay (8in x 1in x 1	1/2in deep)		3	1	1 Each	
228	Check/Shake	along height of pile, multiple checks	s [up to 1/8in]		2		1 Each	
228	Decay/Section Loss	South face a midheight, section los 3-1/4in wide x 1in deep]	s [3-1/2in high x		2		Each	
-	General Comments							-
End	Bent 2	Pile 5						
	ber Pile							
	ment		Total	CS1	CS2	CS3	CS4	
Elen	nont			-	• •	0 4++	Qty	
Nun	mber	Element Name	Qty	Qty	Qty 1	Qty	•	
Nun 228	nber Timber I		Qty 1	Qty 0	Qty 1	0 0	0 Each	
Nun 228 Elemen Number	nber Timber I It Defect Type	Pile Defect Descr	iption	-	-	-	0 Each Maint Qty	
Nun 228 Elemen	nber Timber I	Pile	iption	-	1	0	0 Each	
Nun 228 Elemen Number 228	nber Timber l t Defect Type Check/Shake General Comments	Pile Defect Descri along height of pile, multiple checks	iption	-	1 CS	0 CS Qty	0 Each Maint Qty	
Nun 228 Elemen Number 228	nber Timber I It Defect Type Check/Shake	Pile Defect Descri along height of pile, multiple checks	iption	-	1 CS	0 CS Qty	0 Each Maint Qty	-
Nun 228 Elemen Number 228	nber Timber l t Defect Type Check/Shake General Comments	Pile Defect Descri along height of pile, multiple checks	iption	-	1 CS	0 CS Qty	0 Each Maint Qty	
Nun 228 Elemen Number 228 End	nber Timber l r Defect Type Check/Shake General Comments replacement pile f	Pile Defect Descri along height of pile, multiple checks or pile 4	iption	-	1 CS	0 CS Qty	0 Each Maint Qty	
Nun 228 Elemen Number 228 End Tim	nber Timber I at Defect Type Check/Shake General Comments replacement pile fr I Bent 2	Pile Defect Descri along height of pile, multiple checks or pile 4	iption	-	1 CS	0 CS Qty	0 Each Maint Qty	

Elemer Numbe	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	along height of pile, multiple checks [up to 1/16in]	2	1	1 Each	

General Comments

replacement pile for pile 7

End Bent 2

Prestressed Concrete Pier Cap

Element Number 233	Prestre	Element Name ssed Concrete Pier Cap	Total Qty 26	CS1 Qty 15	CS2 Qty 11	CS3 Qty 0	CS4 Qty 0 Feet	
Element Number	Defect Type	Defect Desci			CS	CS Qty	Maint Qty	
233 Crac	cking (PSC)	at multiple locations along cap, lon [up to 5ft x 0.009in]	gitudinal crack		2	11	11 Feet	

General Comments

Crutch Bent 1 Span 1

Steel Pier Cap

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pie	er Cap	34	6	28	0	0	Feet
515	Steel Pr	otective Coating	317	234	52	0	31	Square Feet
Elemen Number	Dofact Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
] 231	Corrosion	along length of cap at lower web a corrosion with section loss [<1/16in spot rust			2	28	-	Feet
515	Effectiveness (Steel Protective Coatings)	along length of lower web, top flan with active corrosion with section le			4	31	31	Square Fee
515	Effectiveness (Steel Protective Coatings)	along length of cap at random loca with active spot rust	tions, paint failure		2	52	52	2 Square Fee

General Comments

Crutch Bent 1 Span 1

Pile 1

Cap 1

Steel Cross Cap Crutch 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	18	11	0	7	0 Square Feet

Eleme Numbe	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	at pile cap, surface corrosion [no section loss noted] with adjacent spot rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations along the height of pile, active surface corrosion	3	7	7 Square Feet
	General Comments				

Crutch Bent 1 Span 1

Pile 2

Eleme Numb		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	18	11	0	7	0	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no with adjacent spot rust	section loss noted]		2	1		Each

Structure Number: 910126

515 Effectiveness (Steel Protective Coatings)

General Comments

at pile cap and random locations along the height of pile, active surface corrosion

Inspection Date: 07/28/2022

3

7

7 Square Feet

	ment nber Steel Pie	Element Name	Total Qty 34	CS1 Qty 7	CS2 Qty 27	CS3 Qty 0	CS4 Qty	Feet
515		otective Coating	34	232	27 54	0	•	Square Feet
Elemen	Defect Turne	Defect Descri	ption		CS	CS Qty	Maint Qty	
231	Corrosion	along length of cap at lower web an corrosion with section loss [<1/16in] spot rust			2	27		Feet
515	Effectiveness (Steel Protective Coatings)	along length of lower web, top flang with active corrosion with section lo			4	31	31	Square Feet
515	Effectiveness (Steel Protective Coatings) General Comments	along length of cap at random locati with active spot rust	ons, paint failure		2	54	54	Square Feet
Crut	Effectiveness (Steel Protective Coatings) General Comments tch Bent 1 Span 2	with active spot rust Pile 1	ons, paint failure		2	54		Square Feet
Crut Stee Elen	Effectiveness (Steel Protective Coatings) General Comments tch Bent 1 Span 2 el Cross Cap Cruto ment	with active spot rust Pile 1 ch Pile	Total	CS1 Otv	CS2	CS3	CS4	Square Feet
Crut Stee Elen	Effectiveness (Steel Protective Coatings) General Comments tch Bent 1 Span 2 el Cross Cap Crute	with active spot rust Pile 1 ch Pile Element Name		CS1 Qty 0			CS4 Qty	Square Feet
Crut Stee Elen Nun	Effectiveness (Steel Protective Coatings) General Comments tch Bent 1 Span 2 el Cross Cap Crute ment nber Steel Pil	with active spot rust Pile 1 ch Pile Element Name	Total Qty	Qty	CS2 Qty	CS3 Qty	CS4 Qty 0	
Crut Stee Elen Nun 225	Effectiveness (Steel Protective Coatings) General Comments tch Bent 1 Span 2 el Cross Cap Cruto ment nber Steel Pil Steel Pro	with active spot rust Pile 1 ch Pile Element Name e	Total Qty 1 18	Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
Crut Stee Elen 225 515 Elemen	Effectiveness (Steel Protective Coatings) General Comments tch Bent 1 Span 2 el Cross Cap Cruto ment nber Steel Pil Steel Pro	with active spot rust Pile 1 ch Pile Element Name e otective Coating	Total Qty 1 18 ption	Qty 0	CS2 Qty 1 0	CS3 Qty 0 6	CS4 Qty 0 0 Maint	Each

1	0			Qty	
	Ū	1	0	0	Each
18	11	0	7	0	Square Feet
		CS	CS Qty	Maint Qty	
s noted]		2	1		Each
		3	7	7	7 Square Feet
	ight of	ight of	ight of 3	ight of 3 7	ight of 3 7 7

Steel Pier Cap

Crutch Bent 2 Span 2

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pie	er Cap	34	13	21	0	0 Feet
515	Steel Pr	otective Coating	317	242	51	0	24 Square Feet
Elemen Number	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty
231	Corrosion	along length of cap at lower web corrosion with section loss [<1/16 spot rust			2	21	Feet
515	Effectiveness (Steel Protective Coatings)	along length of lower web, top fla with active corrosion with section			4	24	24 Square Feet
515	Effectiveness (Steel Protective Coatings)	along length of cap at random loo with active spot rust	cations, paint failure		2	51	51 Square Feet
-	General Comments						

Crutch Bent 2 Span 2

Pile 1

Steel Cross Cap Crutch Pile

Elen Num		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	18	10	0	8	0	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no with adjacent spot rust	section loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations pile, active surface corrosion	along the height of		3	8	8	Square Feet

General Comments

Crutch Bent 2 Span 2

Pile 2

	ment mber Steel Pil	Element Name e	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	
515	Steel Pro	otective Coating	18	11	0	7	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descriptio	on		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no section with adjacent spot rust	n loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations along pile, active surface corrosion	the height of		3	7		7 Square Feet
-	General Comments							

Steel Pier Cap

Crutch Bent 1 Span 3

	•						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pie	er Cap	34	18	16	0	0 Feet
515	Steel Pr	otective Coating	317	243	56	0	18 Square Feet
Elemen Numbe	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty
231	Corrosion	along length of cap at lower web corrosion with section loss [<1/16 spot rust			2	16	Feet
515	Effectiveness (Steel Protective Coatings)	along length of lower web, top fla with active corrosion with section			4	18	18 Square Feet
515	Effectiveness (Steel Protective Coatings)	along length of cap at random loc with active spot rust	cations, paint failure		2	56	56 Square Feet
-	General Comments						

Crutch Bent 1 Span 3

Pile 1

Steel Cross Cap Crutch Pile

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pi	le	1	0	1	0	0	Each
515	Steel Pr	otective Coating	18	11	0	7	0	Square Feet
Element Number	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no s with adjacent spot rust	ection loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations a pile, active surface corrosion	long the height of		3	7		7 Square Feet

General Comments

Crutch Bent 1 Span 3

Pile 2

	ment nber Steel Pil	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	
515	Steel Pro	otective Coating	18	12	0	6	0	Square Feet
Elemen Numbe	Defect Type	Defect Descriptio	on		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no sectio with adjacent spot rust	n loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations along pile, active surface corrosion	the height of		3	6		6 Square Feet
-	General Comments							

Steel Pier Cap

Crutch Bent 2 Span 3

	-						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pie	er Cap	34	12	22	0	0 Feet
515	Steel Pr	otective Coating	317	240	53	0	24 Square Feet
Elemen Numbe	Dofact Type	Defect Des	scription		CS	CS Qty	Maint Qty
231	Corrosion	along length of cap at lower web corrosion with section loss [<1/1 spot rust	1 0 /		2	22	Feet
515	Effectiveness (Steel Protective Coatings)	along length of lower web, top flawith active corrosion with section			4	24	24 Square Feet
515	Effectiveness (Steel Protective Coatings)	along length of cap at random lo with active spot rust	cations, paint failure		2	53	53 Square Feet
-	General Comments						

Crutch Bent 2 Span 3

Pile 1

Steel Cross Cap Crutch Pile

Elerr Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pil	е	1	0	1	0	0	Each
515	Steel Pr	otective Coating	18	10	0	8	0	Square Feet
Element Number	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no s with adjacent spot rust	ection loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations a pile, active surface corrosion	long the height of		3	8	8	8 Square Feet

General Comments

Crutch Bent 2 Span 3

Pile 2

Eleme Numb	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pil	e	1	0	1	0	0	Each
515	Steel Pro	otective Coating	18	12	0	6	0	Square Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no with adjacent spot rust	section loss noted]		2	1		Each
	Effectiveness (Steel Protective Coatings)	at pile cap and random locations pile, active surface corrosion	along the height of		3	6		6 Square Feet

Steel Pier Cap

Crutch Bent 1 Span 4

	-						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pie	er Cap	ap 34			0	0 Feet
515	Steel Pr	Steel Protective Coating 31		234	55	0	28 Square Feet
Elemen Numbe	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty
231	Corrosion	along length of cap at lower web corrosion with section loss [<1/16 spot rust			2	25	Feet
515	Effectiveness (Steel Protective Coatings)	along length of lower web, top fla with active corrosion with section			4	28	28 Square Feet
515	Effectiveness (Steel Protective Coatings)	along length of cap at random loc with active spot rust	ations, paint failure		2	55	55 Square Feet
-	General Comments						

Crutch Bent 1 Span 4

Pile 1

Steel Cross Cap Crutch Pile

Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel P	le	1	0	1	0	0	Each
515 Steel Protec		rotective Coating	18	10	0	8	0	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no s with adjacent spot rust	section loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations a pile, active surface corrosion	along the height of		3	8	:	8 Square Feet

General Comments

Crutch Bent 1 Span 4

Pile 2

	ment nber Steel Pil	Element Name e	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	
515	Steel Pro	otective Coating	18	11	0	7	0	Square Feet
Elemen Numbe	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
225	Corrosion	at pile cap, surface corrosion [no sectio with adjacent spot rust	n loss noted]		2	1		Each
515	Effectiveness (Steel Protective Coatings)	at pile cap and random locations along pile, active surface corrosion	the height of		3	7		7 Square Feet
-	General Comments							

Elements Verfied

Location Name Component	Element Name	Amount
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General Inspection Notes

Bent 1	Pile 1
pile is no longer	in use and has been replaced by crutch bent
Bent 1	Pile 2
pile is no longer	in use and has been replaced by crutch bent
Bent 1	Pile 3
pile is no longer	in use and has been replaced by crutch bent
Bent 1	Pile 4
pile is no longer	in use and has been replaced by crutch bent
Bent 1	Pile 5
pile is no longer	in use and has been replaced by crutch bent
Bent 1	Pile 6
pile is no longer	in use and has been replaced by crutch bent
Bent 1	Pile 7
pile is no longer	in use and has been replaced by crutch bent
Bent 2	Pile 4
pile has been re	placed with adjacent pile 5
Bent 2	Pile 5
pile is no longer	in use and has been replaced by crutch bent
Bent 2	Pile 7
pile has been re	placed with adjacent pile 6
Bent 3	Pile 2
pile is no longer	in use and has been replaced by crutch bent
Bent 3	Pile 3
pile is no longer	in use and has been replaced by crutch bent
Bent 3	Pile 4
pile is no longer	in use and has been replaced by crutch bent
Bent 3	Pile 5
pile is no longer	in use and has been replaced by crutch bent

National Bridge and NC Inspection Items

Structure Number: 910126

Inspection Date: 07/28/2022

National Bridge Inventory Items

ltem	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	5	Note:
Item 59: Superstructure	0 - 9 , N	3	Items 58,59,60
Item 60: Substructure	0 - 9 , N	3	inspection only
Item 61: Channel and Channel Protection	0 - 9 , N	6	For overall NBI
Item 62: Culvert	0 - 9 , N	N	
Item 71: Waterway Adequacy	0 - 9 , N	5	
Item 72: Approach Roadway Alignment	0 - 9 , N	6	

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			
Drainage System	G, F, P, or C			
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C			
Wingwall	G, F, P, or C			
Field Scour Evaluation				
Drift	G, F, P, or C			
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C			
Superstructure Paint Code				

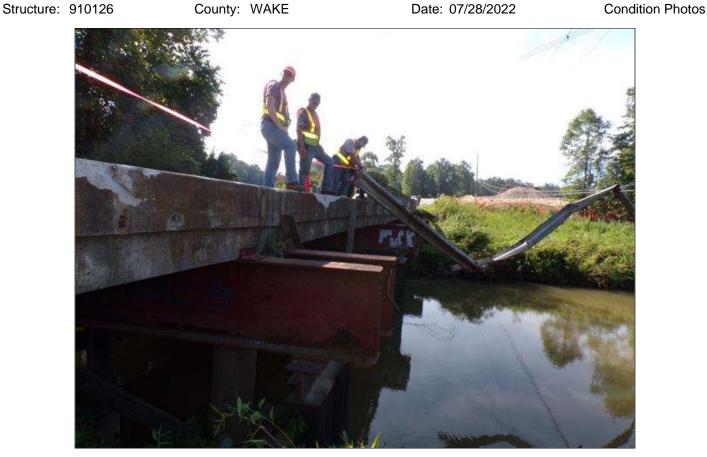
Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	Y
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	2
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	
Bucket Truck Used	YES/NO	
Boat Used	YES/NO	
Other Equipment Used	YES/NO	
Portion of Structure in > 3' of water	YES/NO	

National Bridge and NC SMU Inspection Item Details

Structure Nur	nber: 910126			Inspection Date: 07/28/2022
ltem Detai	Sign Notice Issued Is 1 Weight limit and 1 Delineator	Grade Y	Maint Code	Qty. 0
Item	Presently Posted	Grade Y	Maint Code	Qty. 0
Detai	Is SV 18 TTST 23			



Span 3 Left Bridge Rail: PAR-Left rail in span 3 has impact damage and has completely separated from structure from midspan to bent 3. All post are missing in this area with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.

Structure: 910126

County: WAKE

Date: 07/28/2022

Condition Photos



Span 3 Left Bridge Rail: PAR-Left rail in span 3 has impact damage and has completely separated from structure from midspan to bent 3. All post are missing in this area with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.

Structure: 910126

County: WAKE

Date: 07/28/2022

Condition Photos



Span 4 Left Bridge Rail: PAR-Left rail in span 4 has impact damage and has completely separated from structure along length. All post are missing with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.



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County: WAKE

Date: 07/28/2022

Condition Photos



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Structure: 910126

County: WAKE

Date: 07/28/2022

Condition Photos



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Structure: 910126

County: WAKE

Date: 07/28/2022

Condition Photos



Span 4 Left Bridge Rail: PAR-Left rail in span 4 has impact damage and has completely separated from structure along length. All post are missing with spalling up to 1 foot wide x 4 inches deep at post connections to curbing.



End Bent 2 Abutment: PAR- End Bent 2 bulkhead is broken and missing in a 5 foot long area at left end due to impact damage.

County: WAKE

Date: 07/28/2022

Condition Photos

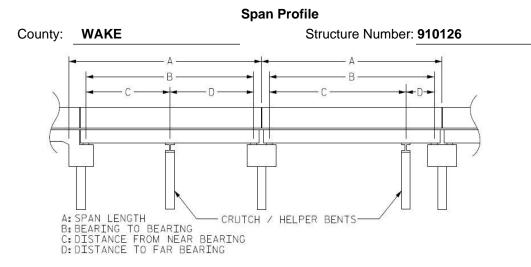


End Bent 2 Abutment: PAR- End Bent 2 bulkhead is broken and missing in a 5 foot long area at left end due to impact damage.



PAR-Posting sign SV 18 TTST 23 and Delineator missing from right shoulder at north approach.

Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	30.417	28.670			
		I	1	27.500	1.167
2	30.000	28.670			
			1	1.167	27.500
			2	27.500	1.167
3	30.000	28.670			
			1	1.167	27.500
			2	27.500	1.167
4	30.417	28.670			
		ł	1	1.167	27.500

County: WAKE

Date: 07/28/2022

Structure Photos



Looking South



Looking North