

ATTENTION: PRIORITY ACTION REQUEST, APPROACH ROADWAY SKETCH REVISED, TYPICAL SECTION SKETCH

REVISED

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 01/19/2021

DIVISION: 10 COUNTY: ANSON	STRUCT	URE NUMBER: 030014	FRE	QUENCY: 24 MONT	HS
FACILITY CARRIED: US52			MILE POST:		
LOCATION: 0.6 MI. N. JCT. SR1127		-			
FEATURE INTERSECTED: SOUTH FORK	JONES CREEK				
LATITUDE : 34° 53′ 28.23″	LONGITUDE:	80° 1' 2.56"			
SUPERSTRUCTURE:					
SUBSTRUCTURE:					
SPANS: 3 SPANS. SEE SPAN PROFIL	LE SHEET FOR SPAN DE	ETAILS			
FRACTURE CRITICAL TEMPO	RARY SHORING	SCOUR CRITICAL	SCOUR	PLAN OF ACTION	
GRADES: (Inspector/NBI Coding) DECK 7	/7 SUPERSTRUCTUI	RE 4/4 SUBSTRUC	TURE 4/4	CULVERT N/1	N
POSTED SV: Not Posted		POSTED TTST: Not Pos	ted		
OTHER SIGNS PRESENT: NONE					
			Sign notice issued for		Number Required
	一、		NO	WEIGHT LIMIT	0
M. Varanilla	To the same	TOUR SON	NO	DELINEATORS	0
			NO	NARROW BRIDGE	0
			NO	ONE LANE BRIDGE	0
			NO	LOW CLEARANCE	0
				CTION OF S-N	
				ECTION IES PLANS	
SOUTH APPROACH		AHLE STATE OF THE			
INSPECTED BY JOSH B. WHITE, PE	SIGNATURE	A B.WL	ASSISTED BY	/ JWD	

(1) STATE NAME NORTH CAROLINA BRIDGE		030014	SUFFICIENCY RATING		•	53.
(8) STRUCTURE NUMBER (FEDERAL)		0070014	STATUS =		Structurally	Deficie
(5) INVENTORY ROUTE (ON/UNDER) ON	12	1000520		CLASSIFICATION ——		
(2) STATE HIGHWAY DEPARTMENT DISTRICT (3) COUNTY CODE (FEDERAL) 7 (4) PLACE CODE		10 00000	(112) NBIS BRIDGE SYSTEM			Y
(6) FEATURE INTERSECTED SOUTH FORK JONES CREEK		00000	(104) HIGHWAY SYSTEM	Inventory Ro	ute is on NHS	
(7) FACILITY CARRIED US52			(26) FUNCTIONAL CLASS	Rural	Minor Arterial	
(9) LOCATION 0.6 MI. N. JCT. SR1127			(100) STRAHNET HIGHWAY	Not a STR	AHNET Route	
(11) MILEPOINT		0.0	(101) PARALLEL STRUCTURE	No parallel st	ructure exists	
12) BASE HIGHWAY NETWORK 13) LRS INVENTORY ROUTE & SUBROUTE		1 20052	(102) DIRECTION OF TRAFFIC		2-way traffic	
(16) LATITUDE 34° 53' 28.23" (17) LONGITUDE	80°	1' 2.56"	(103) TEMPORARY STRUCTUR	E		
98) BORDER BRIDGE STATE CODE PERCENT SH	HARED		(110) DESIGNATED NATIONAL I	NETWORK - מn natiional netw	ork for trucks	
99) BORDER BRIDGE STRUCTURE NUMBER			(20) TOLL		On Free Road	
STRUCTURE TYPE AND MATERIAL —			(21) MAINT -			
43) STRUCTURE TYPE MAIN		Steel	(22) OWNER -			
TYPE Stringer/Multi-beam or girder	CODE	302	(37) HISTORICAL SIGNIFICANC	E-		
44) STRUCTURE TYPE APPROACH				CONDITION —		CODE
TYPE	CODE		(58) DECK	COMPITION —		CODE
45) NUMBER OF SPANS IN MAIN UNIT		3	(59) SUPERSTRUCTURE			
46) NUMBER OF SPANS IN APPROACH		0	(60) SUBSTRUCTURE			
107) DECK STRUCTURE TYPE	CODE	1	(61) CHANNEL & CHANNEL PRO	OTECTION		
108)WEARING SURFACE/PROTECTIVE SYSTEM	0022	•	(62) CULVERTS			
(A) TYPE OF WEARING SURFACE	CODE	6		RATING AND POSTING		COD
(B) TYPE OF MEMBRANE	CODE	0	(31) DESIGN LOAD	ATING AND FOSTING	H 20 + Mod	COD
(C) TYPE OF DECK PROTECTION	CODE	0	(63) OPERATING RATING METH	IOD -	Load Factor	
•			(64) OPERATING RATING -		HS-32	
AGE AND SERVICE 27) YEAR BUILT		1954	(65) INVENTORY RATING METH	IOD -	110 02	
106) YEAR RECONSTRUCTED		0	(66) INVENTORY RATING	105	HS-19	
42) TYPE OF SERVICE ON -		lighway	(70) BRIDGE POSTING	No Pos	sting Required	
,	CODE	11911Way	(41) STRUCTURE OPEN, POSTI		stilly Kequileu	
OFF - Waterway 28) LANES ON STRUCTURE 2 LANES UNDER STRUC		0				
29) AVERAGE DAILY TRAFFIC	STORE	4200	DESCRIPTION	•	no restriction	
30) YEAR OF ADT 2015 (109) TRUCK ADT PCT	r	8	(67) STRUCTURAL EVALUATION	APPRAISAL ——		COD
9) BYPASS OR DETOUR LENGTH			(68) DECK GEOMETRY	•		
GEOMETRIC DATA		2.0		T 0 LIODIZ		
48) LENGTH OF MAXIMUM SPAN		39.0	(69) UNDERCLEARANCES, VER	I & HORIZ		
49) STRUCTURE LENGTH		121.0	(71) WATERWAY ADEQUACY	ONNENT		
50) CURB OR SIDEWALK: LEFT 1.7 RIGHT		1.7	(72) APPROACH ROADWAY ALI			
51) BRIDGE ROADWAY WIDTH, CURB TO CURB		28.1	(36) TRAFFIC SAFETY FEATUR			1
52) DECK WIDTH OUT TO OUT		33.2	(113) SCOUR CRITICAL BRIDGE			
32) APPROACH ROADWAY WITH (W/ SHOULDERS) 33) BRIDGE MEDIAN No median C	CODE	25.0 0		OSED IMPROVEMENTS		
34) SKEW 0 (35) STRUCTURE FLARED	JODE	0	(75) TYPE OF WORK		CODI	E
10) INVENTORY ROUTE MIN VERT CLEAR		999.9	(76) LENGTH OF STRUCTURE I			
47) INVENTORY ROUTE TOTAL HORIZ CLEAR		28.0	(94) BRIDGE IMPROVEMENT CO			
53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9	(95) ROADWAY IMPROVEMENT	COST		
54) MIN VERT UNDERCLEAR: REFERENCE 55) MIN LAT UNDERCLEARANCE RT: REFERENCE •••	N	0.0 0.0	(96) TOTAL PROJECT COST			
56) MIN LAT UNDERCLEARANCE LT:	IN .	0.0	(97) YEAR OF IMPROVEMENT (COST ESTIMATE		
,			(114) FUTURE ADT	8,400 YEAR OF FUTUE	RE ADT	2
NAVIGATION CONTROL	CODE		(00) INSPECTION DATE	INSPECTION	EDECLIENCY	
88) NAVIGATION CONTROL -	CODE	0	(90) INSPECTION DATE	` '	FREQUENCY (93) CELDAT	-=
111) PIER PROTECTION	CODE		(92) CRITICAL FEATURE INSPE		(93) CFI DAT	c
39) NAVIGATION VERTICAL CLEARANCE		0.0	A) FRACTURE CRIT DETA			
116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR		0.0	B) UNDERWATER INSP	60 B)		90
			C) OTHER SPECIAL INSP	C)		

Superstructure Build Details

Span Number $\underline{1}$

Span Length <u>40.3333</u>

Skew 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
4	Fixed Bearing	Fixed Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
4	Plate Girder	Steel Open Girder/Beam	164	Feet	Inorganic Zinc Pimer with Acrylic Top Coat	0
2	Concrete Railing	Reinforced Concrete Bridge Railing	82	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1338	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	1130	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	0

Span Number 2

 $\textbf{Span Length} \quad \underline{40.0000}$

Skew 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Epoxy Wearing Surface	Wearing Surface	1120	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	160	Feet	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1338	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	80	Feet		
4	Movable Bearing	Movable Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
4	Fixed Bearing	Fixed Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Standard Joint	Pourable Joint Seal	28	Feet		

Span Number 3

Span Length <u>40.3333</u>

Skew 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
4	Plate Girder	Steel Open Girder/Beam 1		Feet	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1271	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
2	Concrete Railing	Reinforced Concrete Bridge Railing	82	Feet		

Superstructure Build Details

1	Standard Joint	Pourable Joint Seal	28	Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Asphalt Wearing Surface	Wearing Surface	1130	Square Feet		

Structure Element Scoring

Structure Number: 030014 Inspection Date 1/19/2021

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	3947	3398	549	О	0
107	0	Steel Open Girder/Beam	Beam	488	453	4	0	31
515	107	Steel Protective Coating	Beam	0	0	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	68	37	31	0	0
225	0	Steel Pile	Piles and Columns	15	0	8	2	5
515	225	Steel Protective Coating	Steel Protective Coating Piles and Columns 1155 1		1155	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	118	49	52	17	0
301	0	Pourable Joint Seal	Expansion Joints	56	56	0	0	0
311	0	Movable Bearing	Bearing Device	12	1	10	0	1
515	311	Steel Protective Coating	Bearing Device	0	0	0	0	0
313	0	Fixed Bearing	Bearing Device	12	8	4	0	0
515	313	Steel Protective Coating	Bearing Device	0	0	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	244	99	145	0	0
510	0	Wearing Surface	Wearing Surfaces	3380	2786	480	114	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 030014 Inspection Date: 01/19/2021

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	510 Square Feet
3314	Steel Open Girder/Beam	Damage	5 Feet
3314	Steel Open Girder/Beam	Corrosion	31 Feet
3354	Steel Pile	Corrosion	11 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	12 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	3 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	5 Feet
3334	Movable Bearing	Corrosion	1 Each
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	592 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	2 Square Feet

Element Structure Maintenance Quantities

Structure Number: 030014 Inspection Date 01/19/2021

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	68	0	0	31	37
Beam	3314	Maintenance Steel Superstructure Components	36	488	31	О	4	453
Beam	3342	Clean and Paint Steel	0	О	0	О	О	0
Bearing Device	3334	Bridge Bearing	1	24	1	О	14	9
Bearing Device	3342	Clean and Paint Steel	0	О	0	О	О	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	1	244	0	О	145	99
Caps	3348	Maintenance of Concrete Substructure	20	118	0	17	52	49
Deck	3326	Maintenance of Concrete Deck	510	3947	0	О	549	3398
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	56	0	О	0	56
Piles and Columns	3342	Clean and Paint Steel	0	1155	0	О	О	1155
Piles and Columns	3354	Maintenance of Steel Substructure Components	11	15	5	2	8	0
Wearing Surfaces	2816	Asphalt Surface Repair	594	3380	0	114	480	2786

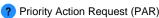
Structure Nun	nber 030014		
Span1			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
1	Corrosion	1	Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG
3314	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
•	Corrosion	2	Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING
3314	Beam 3	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
•	Corrosion	2	Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
•	Corrosion	2	Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.
Span2			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.
2	Corrosion	2	Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1
3314	Beam 3	Plate Girder	
? Priority A	action Request (PAR)	1 Assigned Routine	e Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

Structure Nur	mber <u>030014</u>		
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING
	Corrosion	2	Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
1	Corrosion	3	Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED
2	Corrosion	3	Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED
Span3			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED
3314	Beam 3	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
1	Corrosion	2	Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING
3334	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT
2	Corrosion	3	Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.

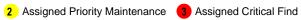


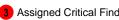


Structure Nun	nber <u>030014</u>	<u></u>	
Bent 1			
3354	Pile 9	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".
Bent 2			
3354	Pile 1	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE, NEAR FLANGE PLATE AT CONCRETE ENCASEMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.
3354	Pile 4	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL
3354	Pile 5	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.
3354	Pile 6	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL
Slope Protection			
3352	Slope Protection	Slope Protection	on
Priority Level	Defect Type	Quantity	Defect Description
		104	PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE









Structure Number 030014

2

PROTECTION NEAR BENT 1

525 PAR: 15' X 35' X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION ALONG **BENT 2 PILES**

Element Condition and Maintenance Data

Structure Number: 030014 Inspection Date: 01/19/2021

Spa	n 1	Deck						
Reir	forced Concrete	Deck						
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	1,338	885	453	0	0 5	Square Feet
Elemen Numbe	Dofoct Typo	Defect De	scription		cs	CS Qty	Maint Qty	
12	Cracking (RC and Other)	1/64" MAP CRACKING WITH E SCATTERED THROUGHOUT U BAYS		(IN ALL	2	414	414	Square Feet
12	Cracking (RC and Other)	8 FULL WIDTH TRANSVERSE EFFLORESCENCE SCATTERE UNDERSIDE OF LEFT OVERHA OVERHANG	D THROUGHOUT	IGHT	2	39		Square Feet

Span 1		Beam 1						
Plate 0	Girder							
Elemen Numbe		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	41	40	0	0	1	Feet
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
107 Cc	orrosion	PAR: AT BENT 1 SECTION LOS DIAPHRAGM 1/4" REMAINING AND BOTH BOTTOM FLANGES WIDTH X 7" LONG	FOR 8" LONG X 2" T	ALL	4	1	-	1 Feet
Ger	neral Comments							

Span 1		Beam 2						
Plate G	Birder							
Element Number 107	r	Element Name pen Girder/Beam	Total Qty 41	CS1 Qty 39	CS2 Qty 0	CS3 Qty 0	CS4 Qty 2	
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
	orrosion	PAR: ARRESTED CORROSION N BENT 1 IN WEB AROUND DIAPH WIDE WITH 7/16" OF WEB THIC LOWER WEB FOR 3" TALL X 20 WEB THICKNESS REMAINING, A FOR FULL WIDTH X 6" LONG W THICKNESS REMAINING	HRAGM, FOR 8" TAL KNESS REMAINING, " LONG WITH 7/16" AND BOTTOM FLAN	L X 2" , IN OF GE	4	2		2 Feet
	eral Comments							

Span 1		Beam 3						
Plate Gir	der							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel C	pen Girder/Beam	41	39	0	0	2	Feet
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
107 Corre	osion	PAR: AT BENT 1, SECTION LOS DIAPHRAGM 3/8" REMAINING 8 5" X 20" LONG WITH 7/16" REM SECTION LOSS DOWN TO 1/2" FULL WIDTH, CORROSION ARR	" LONG X 1" WIDE, AINING, BOTTOM FI REMAINING X 8" LO	LOWER LANGE	4	2		2 Feet

General	Comments
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	Beam 4						
irder							
t ·	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Steel C	pen Girder/Beam	41	39	0	0	2	Feet
Steel P	Protective Coating	0	0	0	0	0	Square Feet
Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
rrosion	DIAPHRAGM 5/16" REMAINING LOWER 3" X 24" LONG WITH 7 FLANGE SECTION LOSS DOW	6 6" LONG X 2" WIDE 7/16" REMAINING, BC N TO 5/16" REMAINII	, AND OTTOM NG X	4	2		2 Feet
	Steel C Steel F Defect Type	Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type PAR: AT BENT 1, SECTION LO DIAPHRAGM 5/16" REMAINING LOWER 3" X 24" LONG WITH 7 FLANGE SECTION LOSS DOW	irder Element Name Qty Steel Open Girder/Beam 41 Steel Protective Coating 0 Defect Type Defect Description PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE LOWER 3" X 24" LONG WITH 7/16" REMAINING, BC FLANGE SECTION LOSS DOWN TO 5/16" REMAINING	irder Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Description	Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Description PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X	Figure Total CS1 CS2 CS3	Total CS1 CS2 CS3 CS4

Spa	an 1	Wearing S	Surface					
Ası	phalt Wearing Sur	face						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearin	g Surface	1,130	862	240	28	0 S	quare Feet
Eleme	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CF WITH 3 SCATTERED SPALLS U DEEP SCATTERED ALONG TH END BENT 1	JP TO 1" DIAMETER	X 1"	3	28	28	Square Feet
510	Crack (Wearing Surface)	1/16" MAP CRACKING IN TRAV	EL LANES		2	240	240	Square Feet
	General Comments							

Span 1		Left Bridge R	ail					
Concre	te Railing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	41	18	23	0	0 Feet	
Element Number	Defect Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
	acking (RC and ner)	3 FULL WIDTH TRANSVERSE 1/32" THROUGHOUT TOP OF PARAPET (TERED	2	3	Feet	

20

Feet

ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE

General Comments

Damage

Span 1	Right Bridg	e Rail					
Concrete Railing							
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331 Rei	nforced Concrete Bridge Railing	41	16	25	0	0 Feet	
lement umber Defect Type	e Defect Descr	iption		cs	CS Qty	Maint Qty	
331 Cracking (RC an Other)	d 3 FULL WIDTH TRANSVERSE 1/3: THROUGHOUT TOP OF PARAPET		TERED	2	2	Feet	
331 Damage	ABRASION/WEAR IN RAIL AND P THROUGHOUT ITS FULL LENGTH IN PLACE			2	20	Feet	
331 Exposed Rebar	4" LONG EXPOSED REBARS IN T BENT 1 JOINT, NO MEASURABLE		AT END	2	3	Feet	

Span 1		Far Bea	ring					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect D	escription		cs	CS Qty	Maint Qty	
311 Corro	sion	ARRESTED CORROSION WIT PLATE, 5/8" OF PLATE THIC		TEEL	2	1		Each
Genera	al Comments							

Element Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty
515	Steel P	rotective Coating	0	0	0	0	0 Square Fee
311	Movable	e Bearing	1	0	1	0	0 Each
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Movable	e Bearing						
Span 1		Far Bearing	g				

Span 1		Far	Bearing					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	De	fect Description		cs	CS Qty	Maint Qty	
311 Corro	osion		N WITH SECTION LOSS IN STRICKNESS REMAINING.	STEEL	2	1		Each
Genera	al Comments							

Span 1		Far Bearin	g					
Movable B	earing							
Element Number	Ele	ment Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS ² Qty	
311	Movable Bearing		1	0	1	0	0	Each
515	Steel Protective	Coating	0	0	0	0	0	Square Feet
Element Number De	efect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
311 Corrosi		STED CORROSION WITH E., 5/8" OF PLATE THICKNI		TEEL	2	1	·	Each
General	Comments							

Span 2	2		В	eam 1						
Plate (Girder									
Elemer Numbe			Element Name		Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
107		Steel O	pen Girder/Beam		40	35	0	0	5	Feet
515		Steel P	rotective Coating		0	0	0	0	0	Square Feet
Element Number	Defect '	Туре		Defect Description			cs	CS Qty	Maint Qty	
107 C	orrosion		PAR: 5" LONG X 2" T LOWER WEB, TWO F SECTION LOSS ARE. BOTTOM OF WEB, C BOTTOM FLANGE, 2 LOSS WITH 1/8" REN	USTED HOLES 1 FT A UP TO 5" HIGH X 2 ORROSION ARREST FT LONG X FULL W	FROM BE 2.5 FT LON FED. AT BI FIDTH SEC	ENT 2, IG IN ENT 2 IN TION	4	3		3 Feet
107 C	orrosion		PAR: 5" TALL X 2" W LOSS IN WEB AT EN REMAINING ALONG LONG X FULL WIDTH LOWER 3" OF WEB F	D OF DIAPHRAGM A BOTH BOTTOM FLA I, AND 3/16" REMAII	AT BENT 1 INGES FOI NING ALOI	, 1/4" R 12"	4	2		2 Feet

Span 2		Beam 2						
Plate Gi	rder							
Element Number	Element N	ame	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		40	37	3	0	0	Feet
515	Steel Protective Coating		0	0	0	0	0	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Number: <u>030014</u>			Inspection I	Date: <u>01/19/2021</u>
107	Corrosion	ARRESTED CORROSION WITH SECTION LOSS AT BENT 1, IN WEB AROUND END DIAPHRAGM FOR 8" X 1" WITH 7/16" OF WEB THICKNESS REMAINING	2	1	Feet
107	Corrosion	ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" X 24" WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR 6" X FULL WIDTH WITH 15/16" OF FLANGE THICKNESS REMAINING.	2	2	Feet

General Comments	

Span 2		Beam 3						
Plate Gird	ler							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	40	35	0	0	5	Feet
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
107 Corros	sion	PAR: ARRESTED CORROSION V BENT 2, IN LOWER WEB FOR 4" 7/16" OF WEB THICKNESS REM FLANGE FOR FULL WIDTH X 12 FLANGE THICKNESS REMAININ	' TALL X 34" LONG AINING, IN BOTTON " LONG WITH 3/8" (WITH M	4	3		3 Feet
107 Corros	sion	PAR: AT BENT 1, SECTION LOS- DIAPHRAGM 3/8" REMAINING 8' LOWER 5" X 13" LONG WITH 7/1 FLANGE SECTION LOSS DOWN LONG X FULL WIDTH, CORROSI	" LONG X 2" WIDE, 16" REMAINING, BO 1 TO 1/2" REMAININ	AND TTOM	4	2		2 Feet

General	Comments
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Span 2	Beam 4						
Plate Girder							
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	40	34	0	0	6	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet
Element Number Defect	Type Defect Descrip	tion		cs	CS Qty	Maint Qty	
107 Corrosion	Corrosion PAR: AT BENT 2 SECTION LOSS BOTO 5/16" REMAINING FULL WIDTH X 2 LOWER WEB DOWN TO 3/8" REMAINING FULL WIDTH X 2 LOWER WEB DOWN TO 3/8" REMAINING FULL WIDTH X 2		ID	4	3		3 Feet
107 Corrosion	PAR: AT BENT 1, SECTION LOSS IN DIAPHRAGM 5/16" REMAINING FOR WITH RUST HOLE 3" X 1" LOCATED LOWER 3" X 24" LONG WITH 7/16" AND SECTION LOSS IN BOTTOM F	5" WIDE BEARING, WEB,	4	3		3 Feet	

Span 2 V		Wearing Surface	Vearing Surface						
Ероху \	Wearing Surface								
Element Number	Element Nam	e	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
510	Wearing Surface		1,120	972	120	28	0 Squ	are Feet	
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty		

Structure	Number: <u>030014</u>			Inspe	ection D	ate: <u>01/19/2021</u>
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE, WITH 1 SPALL UP TO 8 FT X 3" X 2" DEEP IN NORTH BOUND TRAVEL LANE AND 1 SPALL UP TO 9" X 4" X 2" DEEP IN SOUTH BOUND TRAVEL LANE, AT BENT 1	3	28	28	Square Feet
510	Crack (Wearing Surface)	1/16" MAP CRACKING IN TRAVEL LANES	2	120	120	Square Feet
	General Comments					

Spa	n 2	Left Bridge R	ail					
Con	crete Railing							
Elen Nun 331		Element Name ced Concrete Bridge Railing	Total Qty 40	CS1 Qty 11	CS2 Qty 29	CS3 Qty 0	CS4 Qty 0 Feet	
Elemen Number	Dofoct Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	4 FULL WIDTH TRANSVERSE 1/32" THROUGHOUT TOP OF PARAPET (TERED	2	4	Feet	
331	Damage		ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE			24	Feet	
331	Exposed Rebar	2 - 2" LONG EXPOSED REBARS IN BENT 1 JOINT, NO MEASURABLE S		ET AT	2	1	Feet	

Span	2	Right Bridge	e Rail					
Conc	rete Railing							
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	40	19	21	0	0 F	eet
Element Number	Defect Type	Defect Descr	iption		cs	CS Qty	Maint Qty	
331 [Damage		ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE		2	20		Feet
331 E	Exposed Rebar	1" DIAMETER X 3/4" DEEP SPALL ON TOP OF POST 8	. WITH EXPOSED	REBAR	2	1	1	Feet

Near Beari	ng					
ment Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
	1	0	1	0	0	Each
Coating	0	0	0	0	0	Square Feet
Defect Desc	ription		cs	CS Qty	Maint Qty	
		STEEL	2	1	-	Each
	ment Name Coating Defect Descripted Corrosion With S	Coating O Defect Description	ment Name Total CS1 Qty Qty 1 0 Coating 0 0 Defect Description STED CORROSION WITH SECTION LOSS IN STEEL	ment Name Total CS1 CS2 Qty Qty Qty 1 0 1 Coating 0 0 0 Defect Description CS STED CORROSION WITH SECTION LOSS IN STEEL 2	Total	Total

Span 2		Far Bearing	g					
Fixed E	Bearing							
Element Number	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
313 Co	rrosion	ARRESTED CORROSION WITH S PLATE, 5/8" OF PLATE THICKNE		TEEL	2	1		Each

General Comments

Span 2		Near Bea	ring					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	1	0	0	Each
515	Steel F	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
311 Corro	osion	ARRESTED CORROSION WITH PLATE, 5/8" OF PLATE THICK		STEEL	2	1		Each
Gener	al Commonte							

General Comments

Span 2		Far Bearin	ng					
Fixed B	earing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
313 Cor	rosion	ARRESTED CORROSION WITH PLATE, 5/8" OF PLATE THICKN		STEEL	2	1		Each

General Comments

Span 2		Near Bear	ing					
Movable	e Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
311 Cor	rosion	ARRESTED CORROSION WITH PLATE, 5/8" OF PLATE THICKN		STEEL	2	1		Each
	val Cammanta	,						

Span 2		Far Bea	aring					
Fixed Bea	aring							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	0	0	0	0	0	Square Feet
Element Number D	Defect Type	Defect	Description		cs	CS Qty	Maint Qty	
313 Corros	sion	ARRESTED CORROSION W PLATE, 5/8" OF PLATE THIC		TEEL	2	1	·	Each
General	I Comments							

Span 2		Near Bear	ring					
Movable B	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable I	Bearing	1	0	1	0	0	Each
515	Steel Pro	tective Coating	0	0	0	0	0	Square Feet
Element Number De	efect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
311 Corros	ion	ARRESTED CORROSION WITH PLATE, 5/8" OF PLATE THICKN		STEEL	2	1	•	Each

313	Corrosion		ROSION WITH SECTION LOSS LATE THICKNESS REMAINING		2	1		Each
Elemen Numbe	Dofoot '	Гуре	Defect Description		cs	CS Qty	Maint Qty	
515		Steel Protective Coating	C	0	0	0	0	Square Feet
313		Fixed Bearing	1	0	1	0	0	Each
Eler Nun	ment nber	Element Name	Total Qty		CS2 Qty	CS3 Qty	CS4 Qty	
Fixe	ed Bearing							
Spa	n 2		Far Bearing					

Spa	an 3	Deck						
Rei	inforced Concrete	Deck						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ced Concrete Deck	1,271	1,175	96	0	0 S	quare Feet
Elemei Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
12	Cracking (RC and Other)	1/64" MAP CRACKING IN UNDE X 6 FT IN BAY 1 AT BENT 2, SIN		OR 8 FT	2	96	96	Square Feet
	General Comments							

Span 3		Beam 1						
Plate Gir	rder							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel C	pen Girder/Beam	41	38	0	0	3	Feet
515	Steel P	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
107 Corr	rosion	PAR: AT BENT 2, SECTION LOS WEB 6" X 30" LONG, AROUND 7" LONG X 1" WIDE WITH 1/2" I AND BOTTOM FLANGE DOWN WIDTH X 16" LONG, CORROSIO	END DIAPHRAGM II DIAMETER RUST HO TO 1/4" REMAINING	N WEB LE,	4	3		3 Feet

Spar	n 3	Beam 2						
Plate	e Girder							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Open Girder/Beam	41	40	1	0	0 F	eet
515		Steel Protective Coating	0	0	0	0	0 8	Square Feet
Element Number	Dofoct	Type Defect Desc	ription		cs	CS Qty	Maint Qty	
107	Corrosion	ARRESTED CORROSION WITH S IN LOWER WEB FOR 4" X 13" W THICKNESS REMAINING, IN BO- FULL WIDTH WITH 7/16" OF FLA REMAINING.	ITH 7/16" OF WEB ITOM FLANGE FOR	•	2	1		Feet
107	Damage	2 FT LONG HORIZONTAL HAIRL CORNER OF NORTH FACE OF B			2		2	Feet
		AT BENT 2						

Spa	an 3		Beam 3						
Plat	te Girder								
	ment mber	Steel Op	Element Name pen Girder/Beam	Total Qty 41	CS1 Qty 39	CS2 Qty	CS3 Qty	CS4 Qty	
515			otective Coating	0	0	0	0	0	Square Feet
Elemer Numbe	Dofoot	Туре	Defect Desc	cription		cs	CS Qty	Maint Qty	
107	Corrosion		PAR: ARRESTED CORROSION V BEAM AT BENT 2, IN BOTTOM F X 24" LONG WITH 7/16" OF FLA REMAINING, AND IN WEB AROU LONG X 1" WIDE X 7/16" REMAI	FLANGE FOR FULL NGE THICKNESS JND DIAPHRAGM FO	WIDTH	4	2		2 Feet
107	Damage		2.5 FT X 10" X 3.5" DEEP SPALL BOTTOM OF BENT DIAPHRAGM MEASURABLE SECTION LOSS			3			3 Feet
107	Corrosion		ARRESTED CORROSION WITH AT BENT 2, IN LOWER WEB FO			2			Feet

Span 3		Beam 4						
Plate G	irder							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	41	38	0	0	3	Feet
515	Steel Pr	rotective Coating	0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
107 Co	rrosion	PAR: AT BENT 2 SECTION LOS REMAINING X 3" TALL X 36" L FLANGE DOWN TO 3/8" REMA LONG, CORROSION ARRESTE	ONG, AND BOTTOM INING FULL WIDTH X		4	3	·	3 Feet

General Comments

Spa	n 3	Wearing Sur	rface					
Asp	halt Wearing Surfa	ce						
	ment nber Wearing S	Element Name Surface	Total Qty 1,130	CS1 Qty 952	CS2 Qty 120	CS3 Qty 58	CS4 Qty 0 S	quare Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRAC WITH SCATTERED SPALLS UP TO SCATTERED ALONG THE LENGT BENT 2	1" DIAMETER X	1" DEEP	3	28	28	Square Feet
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRAC OVER BENT 2	CK UP TO 1/4" WII	DE	3	28	28	Square Feet
510		16" X 4" X 2" DEEP POTHOLE IN NOVER BENT 2	NORTH BOUND LA	ANE	3	2	2	Square Feet
510	Crack (Wearing Surface)	1/16" MAP CRACKING IN TRAVEL	LANES		2	120	120	Square Feet

General Comments

3 FT DIAMETER UNSOUND ASPHALT PATCH WITH 1 FT X 5" X 2" DEEP SPALL IN NORTHBOUND TRAVEL LANE IN NORTH APPROACH SLAB

FULL WIDTH TRANSVERSE CRACKS UP TO 1/8" WIDE SCATTERED IN 4 FT LENGTH OF NORTH APPROACH SLAB

Spa	an 3	Left Bridge Rail					
Co	ncrete Railing						
	ement mber Reinford	Element Name ced Concrete Bridge Railing	Total Qty 41	CS1 Qty 14	CS2 Qty 27	CS3 Qty 0	CS4 Qty 0 Feet
Eleme Numb	Dofoct Typo	Defect Descriptio	n		cs	CS Qty	Maint Qty
331	Cracking (RC and Other)	5 FULL WIDTH TRANSVERSE 1/32" CF THROUGHOUT TOP OF PARAPET OF		TERED	2	5	Feet
331	Damage	ABRASION/WEAR IN RAIL AND PARA THROUGHOUT ITS FULL LENGTH, AG IN PLACE			2	20	Feet
331	Patched Area	16" X 9" AREA OF UNSOUND CONCRI PARAPET OF RAIL AT END BENT 2	ETE PATCH II	N	2	2	Square Feet
	General Comments						

Inspection Date: <u>01/19/2021</u> Structure Number: 030014

Spa	an 3		Right Bridge	e Rail					
Coi	ncrete	Railing							
	ement mber	Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 41	CS1 Qty 21	CS2 Qty 20	CS3 Qty 0	CS4 Qty	
Elemei Numbe		Defect Type	Defect Descri	iption		cs	CS Qty	Maint Qty	
331	Dama	age	ABRASION/WEAR IN RAIL AND P THROUGHOUT ITS FULL LENGTH IN PLACE			2	20	-	Feet
	Genera	al Comments							

Span 3		Near Bearing						
Movable	Bearing							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing		1	1	0	0	0	Each
515	Steel Protective Coating		0	0	0	0	0	Square Feet
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING. 311 Corrosion Each

General Comments

Span 3		Nea	ar Bearing						
Movable	Bearing								
Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing		1	0	1	0	0	Each
515	Steel P	rotective Coating		0	0	0	0	0	Square Feet
Element Number	Defect Type	De	fect Description			CS	CS Qty	Maint Qty	
311 Corro	osion	ARRESTED CORROSIO PLATE, 5/8" OF PLATE			STEEL	2	1		Each
		PLATE, 5/8" OF PLATE	THICKNESS REMA	INING.					

General Comments

Spa	n 3		Near Bearing						
Mov	/able Beari	ing							
	ment nber	Element Name)	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable Bearing		1	0	1	0	0	Each
515		Steel Protective Coating		0	0	0	0	0	Square Feet
Elemen Numbe	Dofoct	Туре	Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion		ROSION WITH SECTION PLATE THICKNESS REM		STEEL	2	1		Each
	Gonoral Com		PLATE THICKNESS REM	IAINING.					

Span 3		Near Bear	ring				
Movable	e Bearing						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	e Bearing	1	0	0	0	1 Each
515	Steel P	rotective Coating	0	0	0	0	0 Square Feet
lement lumber	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty
311 Cor	rosion	PAR: COMPLETE SECTION LO	SS IN LEFT ANCHOR	RBOLT	4	1	1 Each

General Comments

Bent	1	Cap 1						
Rein	forced Concrete	Pier Cap						
Elem Numi		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	27	24	3	0	0	Feet
lement lumber	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	3 FT LONG LONGITUDINAL CRA			2	3		Feet
G	eneral Comments							

Bent 1		Pile 1						
Steel Pi	le							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pi	le	1	0	0	1	0 Each	
515	Steel Pr	rotective Coating	49	49	0	0	0 Square	Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
225 Cor	rosion	TOP OF PILE 1 NEAR FLANGE 1/16" SECTION LOSS 12" WIDE		N WITH	3	1	1 Each	

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1		Pile 2						
Steel P	ile							
Element Number	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pi	le	1	0	1	0	0 1	Each
515	Steel Pr	rotective Coating	49	49	0	0	0 \$	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
225 Co	rrosion	SCATTERED FRECKLED RUST FULL HEIGHT OF PILE	PRESENT THROUG	HOUT	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1		Pile 3						
Steel F	Pile							
Elemen Numbe		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	49	49	0	0	0	Square Feet
Element Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
225 Cd	orrosion	SCATTERED FRECKLED RUST I FULL HEIGHT OF PILE	PRESENT THROUG	HOUT	2	1		Each

General Comments

Supplemental Pile

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1 Steel Pile	ı	Pile 4						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS ⁴ Qty	
225	Steel Pi	le	1	0	1	0	0	Each
515	Steel Pr	rotective Coating	49	49	0	0	0	Square Feet
Element Number	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	:
225 Corro	sion	SCATTERED FRECKLED RUST FULL HEIGHT OF PILE	PRESENT THROUG	HOUT	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1		Pile 5						
Steel Pile								
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pi	le	1	0	1	0	0	Each
515	Steel P	rotective Coating	49	49	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
225 Corro	sion	SCATTERED FRECKLED RUST FULL HEIGHT OF PILE	PRESENT THROUG	HOUT	2	1	·	Each

General Comments

Supplemental Pile

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1		Pile 6						
Steel F	ile							
Elemen Numbe	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel P	rile	1	0	1	0	0	Each
515	Steel P	rotective Coating	49	49	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
225 Co	orrosion	SCATTERED FRECKLED RUST FULL HEIGHT OF PILE	PRESENT THROUG	HOUT	2	1		Each

4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

End	Bent 1	Abutment						
Rein	forced Concrete	Abutment						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	34	13	21	0	0	Feet
Element Number	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
215	Cracking (RC and Other)	1/32" VERTICAL CRACKING ALC	ONG BACKWALL		2	21		Feet
(General Comments							

225 Corro		SCATTERED FRECKLED RUST			2			Each
lement lumber	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
515	Steel Pr	otective Coating	49	49	0	0	0	Square Feet
225	Steel Pi	le	1	0	1	0	0	Each
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Steel Pile	е							
Bent 1		Pile 7						

General Comments

Supplemental Pile

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Steel Pile								
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	='
225	Steel Pi	е	1	0	1	0	0	Each
515	Steel Pr	otective Coating	49	49	0	0	0	Square Feet
Element Number	Defect Type	Defe	ct Description		cs	CS Qty	Maint Qty	
225 Corros	sion	SCATTERED FRECKLED FULL HEIGHT OF PILE	RUST PRESENT THROUG	HOUT	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1		Pile 9						
Steel P	Pile							
Elemen Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pi	le	1	0	0	0	1	Each
515	Steel Pr	rotective Coating	49	49	0	0	0	Square Feet
lement lumber	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
225 Co	orrosion		LANGE PLATES WITH COMPLETE -1/2" X 1", AND SECTION LOSS WITH 3/8"			1	·	1 Each
Gen	neral Comments							

4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Rein	forced Concrete	Cap 1 Pier Cap						
Elem Num	nent	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	32	11	21	o	•	Feet
Element Number	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
234	Cracking (RC and Other)	1/32" VERTICAL AND HORIZON	ITAL CRACKING		2	21	·	Feet

2	Cap 1						
forced Concrete	Pier Cap						
ent ber Reinford	Element Name ed Concrete Pier Cap	Total Qty 27	CS1 Qty 4	CS2 Qty 6	CS3 Qty 17	CS4 Qty 0 Feet	
Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
Cracking (RC and Other)			VIDE IN	3	12	12 Feet	
Delamination/Spall	3 FT X 1.5 FT AREA OF DELAMIN OF CAP BELOW BAY 3	ATION IN NORTH	FACE	3		3 Feet	
Patched Area	5 FT X 1 FT AREA OF UNSOUND IN NORTH FACE OF CAP	PATCH BELOW G	IRDER 3	3	5	5 Feet	
Cracking (RC and Other)	6 FT LONG HORIZONTAL 1/32" C	RACK IN TOP OF I	NORTH	2	6	Feet	
֡	ent oer Reinforc Defect Type Cracking (RC and Other) Delamination/Spall Patched Area Cracking (RC and	ent Defect Type Defect Description Top OF NORTH FACE OF CAP BELOW BAY 3 Patched Area 5 FT X 1 FT AREA OF UNSOUND IN NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP Cracking (RC and OF TOP OF NORTH FACE OF CAP CRACKING (RC and OF TOP O	Forced Concrete Pier Cap ent Element Name Qty Reinforced Concrete Pier Cap 27 Defect Type Defect Description Cracking (RC and Other) TOP OF NORTH FACE OF CAP BELOW BAY 3. Delamination/Spall 3 FT X 1.5 FT AREA OF DELAMINATION IN NORTH OF CAP BELOW BAY 3 Patched Area 5 FT X 1 FT AREA OF UNSOUND PATCH BELOW GIN NORTH FACE OF CAP Cracking (RC and 6 FT LONG HORIZONTAL 1/32" CRACK IN TOP OF I	ent Element Name Qty Qty Reinforced Concrete Pier Cap 27 4 Defect Type Defect Description Cracking (RC and Other) TOP OF NORTH FACE OF CAP BELOW BAY 3. Delamination/Spall 3 FT X 1.5 FT AREA OF DELAMINATION IN NORTH FACE OF CAP BELOW BAY 3 Patched Area 5 FT X 1 FT AREA OF UNSOUND PATCH BELOW GIRDER 3 IN NORTH FACE OF CAP Cracking (RC and 6 FT LONG HORIZONTAL 1/32" CRACK IN TOP OF NORTH	Forced Concrete Pier Cap ent Element Name Qty Qty Qty Reinforced Concrete Pier Cap 27 4 6 Defect Type Defect Description CS Cracking (RC and Other) TOP OF NORTH FACE OF CAP BELOW BAY 3. Delamination/Spall 3 FT X 1.5 FT AREA OF DELAMINATION IN NORTH FACE OF CAP BELOW BAY 3 Patched Area 5 FT X 1 FT AREA OF UNSOUND PATCH BELOW GIRDER 3 IN NORTH FACE OF CAP Cracking (RC and 6 FT LONG HORIZONTAL 1/32" CRACK IN TOP OF NORTH 2	Forced Concrete Pier Cap ent	Forced Concrete Pier Cap ent

Bent	2		Pile 1						
Steel	Pile								
Eleme Numb			Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	-		e	1	0	0	0	1	Each
515		Steel Pro	tective Coating	119	119	0	0	0	Square Feet
Element Number	Defect	Туре	Defect De	scription		cs	CS Qty	Maint Qty	
225 (Corrosion		PAR: TOP OF PILE FAR FLANG CORROSION WITH SECTION L TALL X 12" WIDE, NEAR FLAN ENCASEMENT ACTIVE CORRO 5" TALL X 12" WIDE, 7/16" REM	OSS 1/4" REMAINING GE PLATE AT CONC DSION WITH SECTIO	RETE	4	1		2 Each
225	Corrosion		ACTIVE CORROSION WITH NO LOSS IN BOTTOM OF SOUTH I			3			1 Each
225 I	Damage		18" X 7" X 3" DEEP SPALL IN T OF PILE EXPOSING BARE STE		JACKET	3			Each
225	Corrosion		SCATTERED FRECKLED RUST FULL HEIGHT OF PILE	PRESENT THROUG	HOUT	2			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Structure Number: 030014 Inspection Date: <u>01/19/2021</u>

Bent 2	2		Pile 2						
Steel	Pile								
Eleme Numb		Ele Steel Pile	ement Name	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty	Each
515		Steel Protective	Coating	119	119	0	0	0	Square Feet
Element Number	Defect ⁻	Гуре	Defect Des	scription		cs	CS Qty	Maint Qty	
225 C	Corrosion	WITH 2" TA RUST	2 PILE 2 NEAR FLANGE I 1/16" SECTION LOSS AT LL X 12" WIDE, 7/16" REM AND SCALE NO SECTION PLATES.	CONCRETE ENCASI IAINING. TOP OF PIL	EMENT .E,	3	1		1 Each
225 C	Corrosion		TERED FRECKLED RUST HEIGHT OF PILE	PRESENT THROUG	HOUT	2			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

	Pile 3						
	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
225 Steel Pile		1	0	1	0	0	Each
Steel P	rotective Coating	119	119	0	0	0	Square Feet
ect Type	Defect De	scription		cs	CS Qty	Maint Qty	
			••••	3		·	Each
on	SCATTERED FRECKLED RUST FULL HEIGHT OF PILE	F PRESENT THROUG	HOUT	2	1		Each
		Element Name Steel Pile Steel Protective Coating Fect Type 18" X 2" X 3" DEEP SPALL IN FACE OF CONCRETE JACKET STEEL SCATTERED FRECKLED RUST	Element Name Steel Pile Steel Protective Coating Defect Description 18" X 2" X 3" DEEP SPALL IN TOP OF NORTH AND FACE OF CONCRETE JACKET OF PILE EXPOSING STEEL SCATTERED FRECKLED RUST PRESENT THROUGH	Element Name Element Name CS1 Qty Qty Steel Pile 1 0 Steel Protective Coating 119 119 Tect Type Defect Description 18" X 2" X 3" DEEP SPALL IN TOP OF NORTH AND SOUTH FACE OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL SCATTERED FRECKLED RUST PRESENT THROUGHOUT	Element Name Total CS1 CS2 Qty Qty Qty Steel Pile 1 0 1 Steel Protective Coating 119 119 0 Fect Type Defect Description CS 18" X 2" X 3" DEEP SPALL IN TOP OF NORTH AND SOUTH FACE OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL SCATTERED FRECKLED RUST PRESENT THROUGHOUT 2	Element Name CS1 CS2 CS3 Qty	Element Name Total CS1 CS2 CS3 CS4

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2		Pile 4						
Steel	Pile							
Eleme Numb	er	Element Name	Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 1 Each	
515		el Protective Coating	119	119	0	0	0 Square Fee	et
lement lumber	Defect Type	e Defect Des	scription		cs	CS Qty	Maint Qty	
225 C	Corrosion	PAR: BENT 2 TOP OF PILE 4 A SECTION LOSS 7/16" REMAINI			4	1	1 Each	
225 D	Damage		2 VERTICAL CRACKS UP TO 1/16" WIDE X 10" LONG IN TOP OF SOUTHWEST AND SOUTHEAST CORNER OF		3		Each	
225 C	225 Corrosion SCATTERED FRECKLED RUST PRESEN FULL HEIGHT OF PILE		PRESENT THROUG	HOUT	2		Each	

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2		Pile 5							
Stee	el Pile								
Elen Nun 225	nent nber	Steel Pile	Element Name	Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515		Steel Protective Coating		119	119	0	0		Square Feet
Elemen Numbe	Dofoct	Туре	Defect De	scription		cs	CS Qty	Maint Qty	
225	Corrosion		PAR: TOP OF PILE AT CAP AC SECTION LOSS 4" TALL X 12" SECTION BOTH FLANGE PLAT	WIDE X 1/4" REMAIN		4	1	·	1 Each
225	Corrosion		SURFACE CORROSION SCATTERED THROUGHOUT BOTH FLANGES AND WEB ALONG FULL HEIGHT OF PILE		_	3			Each
225	Damage		18" X 2" X 3" DEEP SPALL IN T OF PILE EXPOSING BARE STE		JACKET	3			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2			Pile 6						
Steel F	Pile								
Elemen Numbe			Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225		Steel Pile		1	0	0	0	1	Each
515		Steel Protec	tive Coating	119	119	0	0	0	Square Feet
Element Number	Defect 1	Гуре	Defect D	escription		cs	CS Qty	Maint Qty	
225 Co	orrosion	Co Do	PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL			4	1	:	2 Each
225 Co	orrosion		CTIVE CORROSION WITH N		_	3			1 Each
225 Da	amage		18" X 12" X 3" DEEP SPALL IN TOP OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL		!	3			Each
225 Cd	orrosion	so	CATTERED FRECKLED RUS	ST PRESENT THROUG	HOUT	2			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

End Bent 2 Abutment								
nforce	ed Concrete	Abutment						
ment nber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
	Reinford	ed Concrete Abutment	34 24		10	0	0 Feet	
t r C	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
	3,		ONG BACKWALL		2	9	Feet	
Delam	nination/Spall	8" X 1" AREA OF DELAMINATIO BAY 3 ADJACENT TO BEAM 3	N IN TOP OF BACKW	/ALL IN	2	1	Feet	
1	nent nber t [Crack Other	nent neer Reinforce	nent Element Name Reinforced Concrete Abutment t Defect Type Defect Description (RC and Other) Delamination/Spall 8" X 1" AREA OF DELAMINATIO	nent Element Name Qty Reinforced Concrete Abutment Total Otty Reinforced Concrete Abutment 34 Total Otty Reinforced Concrete Abutment 34 Total Otty Defect Type Defect Description Cracking (RC and Other) Delamination/Spall 8" X 1" AREA OF DELAMINATION IN TOP OF BACKWALL	nent Element Name Qty Qty Reinforced Concrete Abutment 34 24 t Defect Type Defect Description Cracking (RC and Other) Delamination/Spall 8" X 1" AREA OF DELAMINATION IN TOP OF BACKWALL IN	nent Element Name Qty Qty Qty Reinforced Concrete Abutment 34 24 10 t Defect Type Defect Description CS Cracking (RC and Other) Delamination/Spall 8" X 1" AREA OF DELAMINATION IN TOP OF BACKWALL IN 2	nent Element Name Qty	nent Element Name Qty

General Comments

1 FT X 3" X 4" SPALL IN BOTTOM RIGHT CORNER OF NORTHWEST WINGWALL, NO EXPOSED REBAR

End	d Bent 2	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	32 10		22	0	0 Feet	
Eleme	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
234	Cracking (RC and Other)	1/32" VERTICAL AND HORIZON	1/32" VERTICAL AND HORIZONTAL CRACKING		2	14	Feet	
234	Patched Area	15 SOUND 2" DIAMETER PATCHES IN SOUTH FACE OF CAP BELOW BAY 2		2	8	Feet		
	General Comments							_

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1338
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	41
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1130
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1338
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	40
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 2	Wearing Surface	Epoxy Wearing Surface	Wearing Surface	1120
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1271
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	41
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	41
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	41
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	41
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	28
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1130
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
4		Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 1	Pile 1	Steel Pile	Steel Pile	1
Bent 1	Pile 2	Steel Pile	Steel Pile	1
Bent 1	Pile 3	Steel Pile	Steel Pile	1
Bent 1	Pile 4	Steel Pile	Steel Pile	1
Bent 1	Pile 5	Steel Pile	Steel Pile	1
Bent 1	Pile 6	Steel Pile	Steel Pile	1
Bent 1	Pile 7	Steel Pile	Steel Pile	1
Bent 1	Pile 8	Steel Pile	Steel Pile	1
Bent 1	Pile 9	Steel Pile	Steel Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	34
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 2	Pile 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3	Steel Pile	Steel Pile	1
Bent 2	Pile 4	Steel Pile	Steel Pile	1
Bent 2	Pile 5	Steel Pile	Steel Pile	1
Bent 2	Pile 6	Steel Pile	Steel Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	34

General Inspection Notes

Span 3 Expansion Joint

not visible, paved over

National Bridge and NC Inspection Items

Structure Number: 030014 Inspection Date: 01/19/2021

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	7
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	4
Item 61: Channel and Channel Protection	0 - 9 , N	6
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	8
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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	3947	3376
Drainage System	G, F, P, or C	F	240	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	Р	630	3352
Scour	G, F, P, or C	F		
Wingwall	G, F, P, or C	F	2	3350
Field Scour Evaluation		Е		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code		ı		

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	Υ
Inspection Time	Hours	10
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	Υ

National Bridge and NC SMU Inspection Item Details

Structure Number: 030014 Inspection Date: 01/19/2021

Item Superstructure - Item 59 Grade 4 **Maint Code Qty.** 0 Details ALL GIRDERS HAVE BEEN PAINTED AND SECTION LOSS HAS BEEN ARRESTED MANY GIRDERS HAVE ADVANCED TO COMPLETE SECTION LOSS IN BOTTOM FLANGES AND WEBS AT INTERIOR GIRDER 4 SPAN 3 NEAR BEARING HAS COMPLETE SECTION LOSS ON LEFT ANCHOR BOLT NUT Item Substructure - Item 60 Grade 4 **Maint Code** Qtv. 0 Details SEVERAL PILES AT BENTS 1 AND 2 HAVE MODERATE SECTION LOSS AT TOP AND/OR BOTTOM OF PILES BENT 1 PILE 9 HAS COMPLETE SECTION LOSS ON BOTH DOWNSTREAM FLANGES AT TOP OF PILE BENT 1 CONCRETE PILE ENCASEMENT IS NOT TOUCHING STREAMBED **Deck Debris** Grade F Maint Code 3376 Item **Qty.** 3947 **Details DEBRIS ALONG BOTH RAILS Qty.** 240 Item **Drainage System** Grade F Maint Code 3332 **Details DEBRIS BLOCKING DRAINAGE** Item Slope Protection Grade P Maint Code 3352 Qty. 630 Details 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1 15' LONG X 35' WIDE X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION AROUND BENT 2 PILES BENT 1 IS UNDERMINED 12" DEEP UNDERNEATH Item Scour Grade F **Maint Code** Qty. 0 Details BENT 1 HAS BEEN UNDERMINED UP TO 1' UNDER BOTTOM OF CONCRETE ENCASEMENT BUT PILES PROTRUDE DOWNSWARD AND 4' DEEP BENT 2 HAS BEEN SCOURED AROUND PILES UP TO 3' DEEP Maint Code 3350 Item Wingwalls Grade F Qty. 2 Details 2' X 5" X 1" SPALL ON SOUTHEAST WINGWALL General Comments and Misc Items Grade **Maint Code** Qty. 0 Item Details POTHOLING OVER INTERIOR BENTS IN WEARING SURFACE Item Portion of structure in > 3' of water (Y or N) Grade Y **Maint Code** Qty. 0

Details BENT 1

Structure: 030014 County: ANSON Date: 01/19/2021 Condition Photos



Span 3 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/2" WIDE, WITH SCATTERED SPALLS UP TO 1" DIAMETER X 1" DEEP SCATTERED ALONG THE LENGTH OF CRACK, AT END BENT 2



Span 3 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE OVER BENT 2

Structure: 030014 County: ANSON Date: 01/19/2021 Condition Photos



Span 3 Wearing Surface: 16" X 4" X 2" DEEP POTHOLE IN NORTH BOUND LANE OVER BENT 2



Span 2 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE, WITH 1 SPALL UP TO 8 FT X 3" X 2" DEEP IN NORTH BOUND TRAVEL LANE AND 1 SPALL UP TO 9" X 4" X 2" DEEP IN SOUTH BOUND TRAVEL LANE, AT BENT 1



Span 1 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/2" WIDE, WITH 3 SCATTERED SPALLS UP TO 1" DIAMETER X 1" DEEP SCATTERED ALONG THE LENGTH OF CRACK, AT END BENT 1



3' X 1' X 2 1/2" DEEP POTHOLE IN SOUTH APPROACH AT SOUTH BOUND LANE



Span 1 Wearing Surface: 1/16" MAP CRACKING IN TRAVEL LANES



DEBRIS ALONG BOTH RAILS



Span 2 Right Bridge Rail: 1" DIAMETER X 3/4" DEEP SPALL WITH EXPOSED REBAR ON TOP OF POST 8



Span 3 Left Bridge Rail: 5 FULL WIDTH TRANSVERSE 1/32" CRACKS SCATTERED THROUGHOUT TOP OF PARAPET OF RAIL



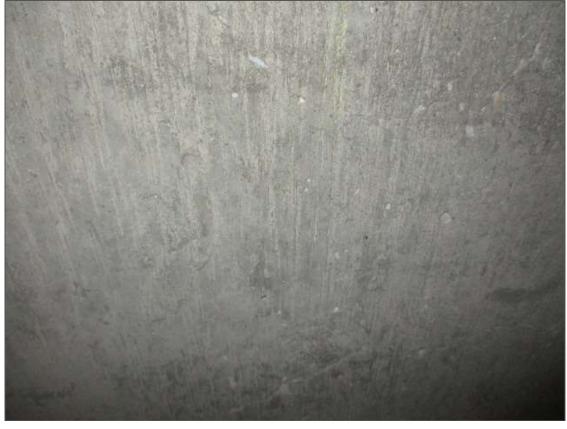
2' X 5" X 1" SPALL ON TOP OF SOUTHEAST WINGWALL



End Bent 1 Cap 1: 1/32" VERTICAL AND HORIZONTAL CRACKING



End Bent 1 Abutment: 1/32" VERTICAL CRACKING ALONG BACKWALL



Span 1 Deck: 1/64" MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS



PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1



Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".



Bent 1 Cap 1: 3 FT LONG LONGITUDINAL CRACK UP TO 1/16" WIDE IN TOP OF NORTH FACE OF CAP ABOVE PILE 1 AND 6



BENT 1 CONCRETE PILE ENCASEMENT IS NOT TOUCHING THE STREAMBED



Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG



Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1



Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING



Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED



Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.



Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.



Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED



Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE



Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING.



Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.



Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL



Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.



Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED



Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING



Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING



Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.



Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT



Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED



PAR: 15' LONG X 35' WIDE X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION AROUND BENT 2 PILES



Bent 2 Pile 1: PAR: NEAR FLANGE PLATE AT CONCRETE ENCASEMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.



Bent 2 Pile 6: PAR: NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL

Stream Bed Soundings (Profile diagram on following sheet)

County ANSON Inspection Date 01/14/2021 Structure Number: 030014

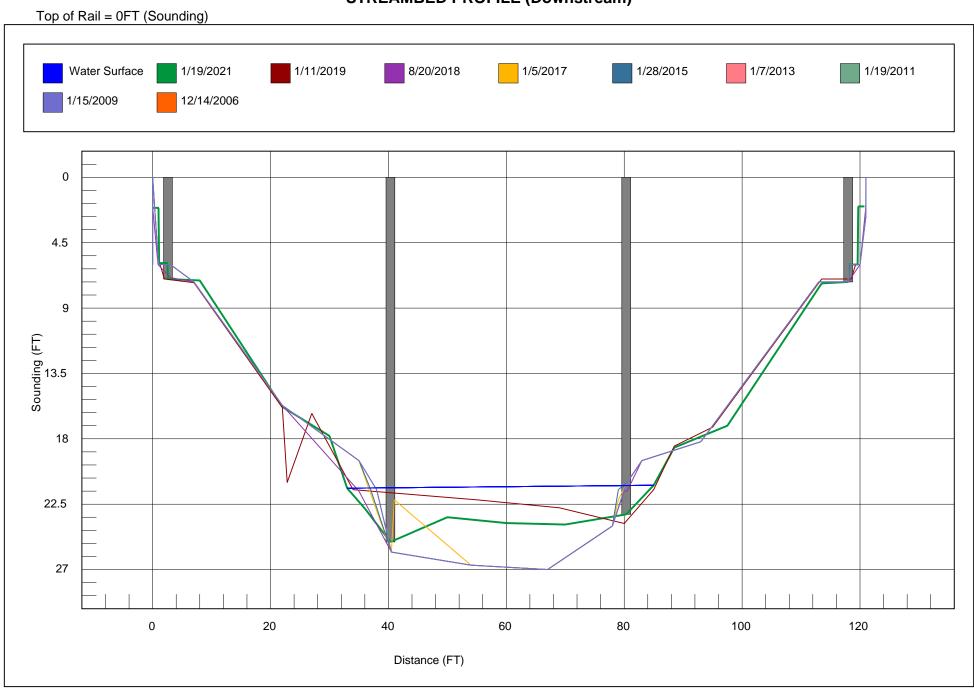
Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.100	0.000	TOP OF BACKWALL
1.000	2.100	0.000	TOP OF BACKWALL
1.100	5.900	0.000	TOP OF CAP
2.500	5.900	0.000	TOP OF CAP
2.600	7.000	7.200	FACE OF ABUTMENT
8.000	7.100	0.000	TOP OF SLOPE
22.000	15.800	0.000	TOE OF SLOPE
30.000	17.800	0.000	N/G
33.000	21.400	0.000	WSWE
36.000	22.800	0.000	STREAMBED
40.340	25.100	24.100	BENT 1
50.000	23.400	0.000	STREAMBED
60.000	23.800	0.000	STREAMBED
70.000	23.900	0.000	STREAMBED
80.340	23.200	23.200	BENT 2
85.000	21.200	0.000	WSWE
88.500	18.600	0.000	N/G
97.500	17.100	0.000	
113.500	7.300	0.000	TOP OF SLOPE
118.000	7.200	7.200	FACE OF ABUTMENT
118.100	6.000	0.000	TOP OF CAP
119.600	6.000	0.000	TOP OF CAP
119.700	2.000	0.000	TOP OF BACKWALL
120.670	2.000	0.000	TOP OF BACKWALL

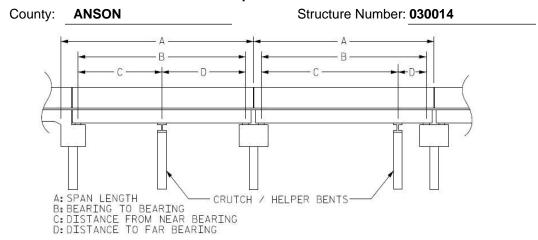
Bridge: 030014 County: ANSON Date: 01/19/2021

STREAMBED PROFILE (Downstream)



Structure Data Worksheet

Span Profile



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.333	39.000			
2	40.000	39.000			
3	40.333	39.000			



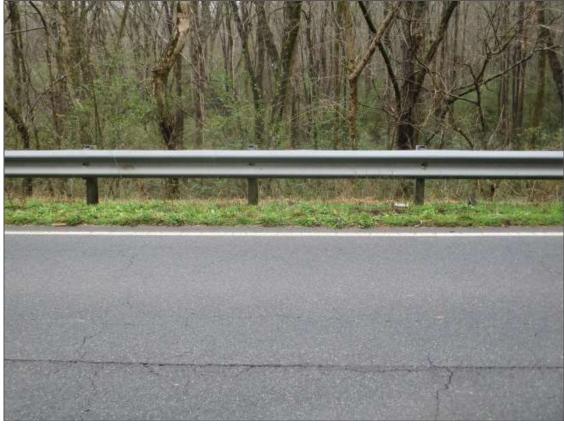
NORTH APPROACH



NORTHEAST GUARDRAIL END TREATMENT



TYPICAL GUARDRAIL END TREATMENT



TYPICAL APPROACH GUARDRAIL POST SPACING



TYPICAL GUARDRAIL CONNECTION



TYPICAL RAIL



LOOKING EAST DOWNSTREAM



LOOKING WEST UPSTREAM



LOOKING NORTH FROM BRIDGE



LOOKING SOUTH FROM BRIDGE



SOUTH APPROACH



END BENT BEARING



TYPICAL INTERMEDIATE DIAPHRAGM



TYPICAL UNDERDECK



BENT 2



BENT 1



TYPICAL OVERHANG



LOOKING WEST UPSTREAM UNDER SPAN 2

Structure: 030014 County: ANSON Date: 01/19/2021 Structure Photos



EAST ELEVATION



WEST ELEVATION

Structure: 030014 County: ANSON Date: 01/19/2021 Structure Photos



TYPICAL UNDERSIDE



INTERIOR BENT BEARING

Structure: 030014 County: ANSON Date: 01/19/2021 Structure Photos



END BENT 2



TYPICAL WINGWALL

Bridge: 030014 County ANSON Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1	

County ANSON Bridge: 030014 Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED	

County ANSON Bridge: 030014 Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.	
3334	Bridge Bearings	EA	1	Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT	
3352	Maint Slope Protection	SF	104	PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1	
3352	Maint Slope Protection	SF	525	PAR: 15' X 35' X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION ALONG BENT 2 PILES	
3354	Maintain Steel Substructure Components	LF	1	Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".	
3354	Maintain Steel Substructure Components	LF	2	Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE, NEAR FLANGE PLATE AT CONCRETE ENCASEMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.	

Bridge: 030014 County ANSON Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3354	Maintain Steel Substructure Components	LF	1	Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL	
3354	Maintain Steel Substructure Components	LF	1	Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.	
3354	Maintain Steel Substructure Components	LF	2	Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL	

Bridge: 030014 County ANSON

LONG WITH 1/2" OF FLANGE THICKNESS REMAINING

MMS Code	MM	IS Descrip	otion		Quantity			
3314	Main	intain Steel Superstructure Components 1 LF						
Location:	Location:							
			Bent/Span No.					
Priority Leve	l		Status					
			Request Awaiting Assignment					
Submitted D	ate:	Submitte	d By:	Assisted By:				
01/20/2021		J. B. WI	HITE					
Details								
			ENT 1 SECTION LOSS WEB ARO H BOTTOM FLANGES 1/4" REMA	UND END DIAPHRAGM 1/4" REMA INING, FULL WIDTH X 7" LONG	INING FOR	8"		

MMS Code	MI	MS Description Quantity							
Wilvie Code		no Dooon	- Description Quantity						
3314	Mai	ntain Steel	Superstructure Components		2	LF			
Location:	Location:								
	Bent/Span No.								
Priority Level			Status						
			Request Awaiting Assignment						
Submitted Da	ate:	Submitte	d By:	Assisted By:					
01/20/2021		J. B. Wł	HITE						
Details									
DIAPHRAGM	۸, FO	R 8" TALL	X 2" WIDE WITH 7/16" OF WEB	ION LOSS AT BENT 1 IN WEB ARO FHICKNESS REMAINING, IN LOWE IING, AND BOTTOM FLANGE FOR	R WEB FOR				

Bridge: 030014 County ANSON

MMS Description

MMS Code

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

Quantity

3314	Mair	ntain Steel	Superstructure Components		2	LF	
Location:	cation:						
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. Wł	HITE				
Details							
WIDE, LOW	Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED						
		40 D .			0		
MMS Code	IVIIV	/IS Descrip	otion		Quantity		
3314	Maiı	ntain Steel	Superstructure Components		2	LF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. Wł	HITE				
Details							
2" WIDE, AN	ND LO	WER 3" X		ROUND DIAPHRAGM 5/16" REMAI IG, BOTTOM FLANGE SECTION LO I ARRESTED.			

Bridge: 030014 County ANSON

REMAINING, CORROSION ARRESTED.

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

MMS Code	MN	//S Descrip		Quantity				
3314	Mair	ntain Stee	Superstructure Components		2	LF		
Location:								
			Bent/Span No.					
Priority Leve	el		Status					
			Request Awaiting Assignment					
Submitted D	ate:	Submitte	d By:	Assisted By:				
01/20/2021		J. B. Wł	HITE					
Details								
DIAPHRAGI	M AT E	BENT 1, 1		TE SECTION LOSS IN WEB AT ENI OTTOM FLANGES FOR 12" LONG X LONG AT BENT 1		ГН,		

MMS Code	MN	MMS Description Quantity						
3314	Mai	Maintain Steel Superstructure Components 3 LI						
Location:	Location:							
	Bent/Span No.							
Priority Level			Status					
			Request Awaiting Assignment					
Submitted D	ate:	Submitte	d By:	Assisted By:				
01/20/2021		J. B. WI	HITE					
Details	Details							
				ECTION LOSS LOWER WEB, TWO I X 2.5 FT LONG IN BOTTOM OF WE				

ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8"

Bridge: 030014 County ANSON

MMS Description

MMS Code

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

Quantity

3314	Mai	ntain Stee	in Steel Superstructure Components 2 LF				
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
WIDE, AND	Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.						
MMS Code	MN	/IS Descrip	otion		Quantity		
3314	Mai	ntain Stee	Superstructure Components		3	LF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
X 34" LONG	WITH	17/16" OF		ON LOSS AT BENT 2, IN LOWER V N BOTTOM FLANGE FOR FULL WI			

Bridge: 030014 County ANSON

MMS Description

MMS Code

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

Quantity

3314	Mai	ntain Steel	Superstructure Components		3	LF	
Location:							
			Bent/Span No.				
Priority Leve	Priority Level Status						
			Request Awaiting Assignment				
Submitted D	Submitted Date: Submitted By:			Assisted By:			
01/20/2021		J. B. Wł	HITE				
Details							
Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED							
MMS Code	MN	//S Descrip	otion		Quantity		
3314	Mai	ntain Stee	Superstructure Components		3	LF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	Date:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
Details Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED							

Bridge: 030014 County ANSON

MMS Code	MN	//S Descrip	S Description C				
3314	Mai	ntain Steel	Steel Superstructure Components 3 LF				
Location:							
			Bent/Span No.				
Priority Level Status							
Request Awaiting Assignment							
Submitted D	ubmitted Date: Submitted By: Assisted By:						
01/20/2021		J. B. Wł	HITE				
Details							
END DIAPH	HRAGI	M IN WEB		MAINING LOWER WEB 6" X 30" LON IAMETER RUST HOLE, AND BOTTO ROSION ARRESTED			
MMS Code	N 4 N	AS Descrip	tion		Quantity		
MMS Code		/IS Descrip	Superstructure Components		Quantity	l F	

MMS Code	MN	/IS Descrip	otion		Quantity			
3314	Mai	Maintain Steel Superstructure Components 2 LF						
Location:								
Bent/Span No.								
Priority Level			Status					
			Request Awaiting Assignment					
Submitted D	ate:	Submitte	d By:	Assisted By:				
01/20/2021		J. B. WI	HITE					
Details								
FLANGE FO	Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING							

Bridge: 030014 County ANSON

MMS Description

MMS Code

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

Quantity

3314	Mai	ntain Stee	3	LF			
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	Date:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
				'EB DOWN 7/16" REMAINING X 3" 7 VIDTH X 24" LONG, CORROSION A		_ONG,	
MMS Code	MI	//S Descrip	tion		Quantity		
3334	Bric	lge Bearin	gs		1	EA	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	Date:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
Span 3 Bea	m 4 - I	Near Beari	ing: PAR: COMPLETE SECTION L	OSS IN LEFT ANCHOR BOLT NUT			

Bridge: 030014 County ANSON

MMS Code	IVII	MMS Description					
3352	Mai	nt Slope P	rotection		104	SF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WHITE					
Details							
PAR: 13' WI	IDE X	8' LONG >	(2' DEEP EROSION OF SPAN 1 S	SLOPE PROTECTION NEAR BENT	1		
MMS Code	MN	MS Descrip	otion		Quantity	Quantity	
3352	Mai	nt Slope P	rotection		525	SF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	Date:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
DAD: 15' V 1	25' V 3	DEED E	ROSION OF SPAN 3 SLOPE PRO	TECTION ALONG DENT 2 DILES			
PAR. 15 A	35 A 3) DEEP EI	RUSION OF SPAN 3 SLOPE PRO	TECTION ALONG BENT 2 PILES			

Bridge: 030014 County ANSON

MMS Code	MM	S Descrip	otion		Quantity			
3354	Main	ıtain Steel	Substructure Components		1	LF		
Location:								
Bent/Span No.								
Priority Level Status								
Request Awaiting			Request Awaiting Assignment					
Submitted D	ate:	Submitte	d By:	Assisted By:				
01/20/2021		J. B. WH	HITE					
Details								
	Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".							

MMS Code	MN	MMS Description Quantity					
3354	Mai	ntain Stee	Substructure Components		2	LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WI	HITE				
Details							
REMAINING	3 2" T	ALL X 12"		VE CORROSION WITH SECTION LO CONCRETE ENCASEMENT ACTIV G.		SION	

Bridge: 030014 County ANSON

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

MMS Code	M	MS Descrip	Quantity					
3354	Mai	ntain Stee		1	LF			
Location:								
			Bent/Span No.					
Priority Level Status								
			Request Awaiting Assignment					
Submitted D	Date:	Submitte	d By:	Assisted By:				
01/20/2021		J. B. WI	HITE					
Details								
WIDE X 2"				BION WITH SECTION LOSS 7/16" R				
MMS Code	N/IN	MS Descrip	ation		Quantity			
3354			I Substructure Components		1	LF		
Location:	IVIAI	IIIaiii Siee	1 Substructure Components			LF		
Location.			7					
			Bent/Span No.					
Priority Leve	el		Status					
			Request Awaiting Assignment					
Submitted D	Date:	Submitte	ed Bv:	Assisted Bv:				

Details

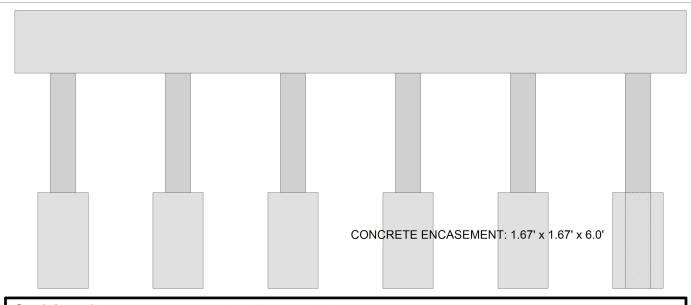
01/20/2021

J. B. WHITE

Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.

Bridge: 030014 County ANSON

MMS Code	MM	S Descrip	otion		Quantity		
3354	Main	tain Steel	Substructure Components		2	LF	
Location:							
Bent/Span No.							
Priority Level Status							
Request Awaiting Assignment							
Submitted D	ate:	Submitte	d By:	Assisted By:			
01/20/2021		J. B. WH	HITE				
Details							
WIDE X 1" T	Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL						



Cap In	formation		Material	Cast-in-	-Place Concre	ete						
Lengt		Height	Left Over		Right Overh		Left Be	eam to Er	nd of Cap.	Righ	t Beam to Er	d of Cap
26.750	ft. 2.500 ft.	oft. 2.500 ft. 1.917 ft. 1.917 ft. 1.500 ft. 1.500 ft.										
Subca	p Information		Material									
Lengt	h Width	Height	Left Over	hang	Right Overh	nt Overhang Left Pile to Splice.						
Sill Info	ormation		Material									
Lengt	h Width	Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orie	ntation	Driven?	Replacem	ent?	Removed?	Collar?
1	Steel	4.583 ft.	1.0' x 1.0'			Verl	ical	Yes	No		No	Yes
2	Steel	4.583 ft.	1.0' x 1.0'			Ver	ical	Yes	No		No	Yes
3	Steel	4.583 ft.	1.0' x 1.0'			Verl	ical	Yes	No		No	Yes
4	Steel	4.583 ft.	1.0' x 1.0'			Verl	ical	Yes	No		No	Yes
5	Steel	4.583 ft.	1.0' x 1.0'			Verl	ical	Yes	No		No	Yes
6	Steel		1.0' x 1.0'			Ver	ical	Yes	No		No	Yes
VERIFIED 01/11/19 BY OJP												
	UREMENTS V		19-21 JBW Similar I	Bents:	NONE							

Title Description
INTERIOR BENT 2 CONCRETE CAP ON H-PILES

Bridge No: 030014 Drawn By: EC BLAKE Date: 1/15/2009 File Name: \$0070000809

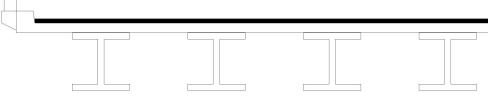
MEASUREMENTS TAKEN 50' SOUTH OF BRIDGE

Roadway	22.5ft Wide	2 Paved Lanes	Looking North
Left Shoulder	1ft Wide	1ft Paved	
Right Shoulder	1ft Wide	1ft Paved	
Left Guardrail			
Right Guardrail			

VERIFIED BY OJP 01/11/19 MEASUREMENTS REVISED 1-19-21 JBW

Title		Descri	ption			
APPROACH ROADWAY			ROADWAY			
Bridge No: 030014	Drawn By: EC BLAKE		Date: 1/15/2009	File Name: S0070001269		

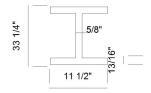
Deck Width/Out to Out 33.167ft			Between Rails				
Clear Roadway	28ft	Wearii	ng Surface			0.25ft	
Median Width	Media	n Height					
Curb Height		Left	0.583ft	Right	0.58	3ft	
Sidewalk Width	Left		Right				
Clear Roadway (Rail to Mediar	1)	Left		Right			
Guardrail Width		Left		Right			
Top of Rail to Deck/Wearing Su	urface	Left	2.417ft	Right	2.41	7ft	
Bridge Rail		Left	Type 14	Right	Тур	e 14	

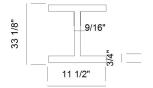


Measurements for Span #	1	Spans 2 & 3 Similar	
Deck Thickness	0.563	Left Overhang	4.583
Top of Rail to Bottom of Beam	6	Right Overhang	4.583

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.0ft	
2	Steel I Beam	8.0ft	
3	Steel I Beam	8.0ft	
4	Steel I Beam	ft	

ABUTMENTS: RC BACKWALL AND CAP



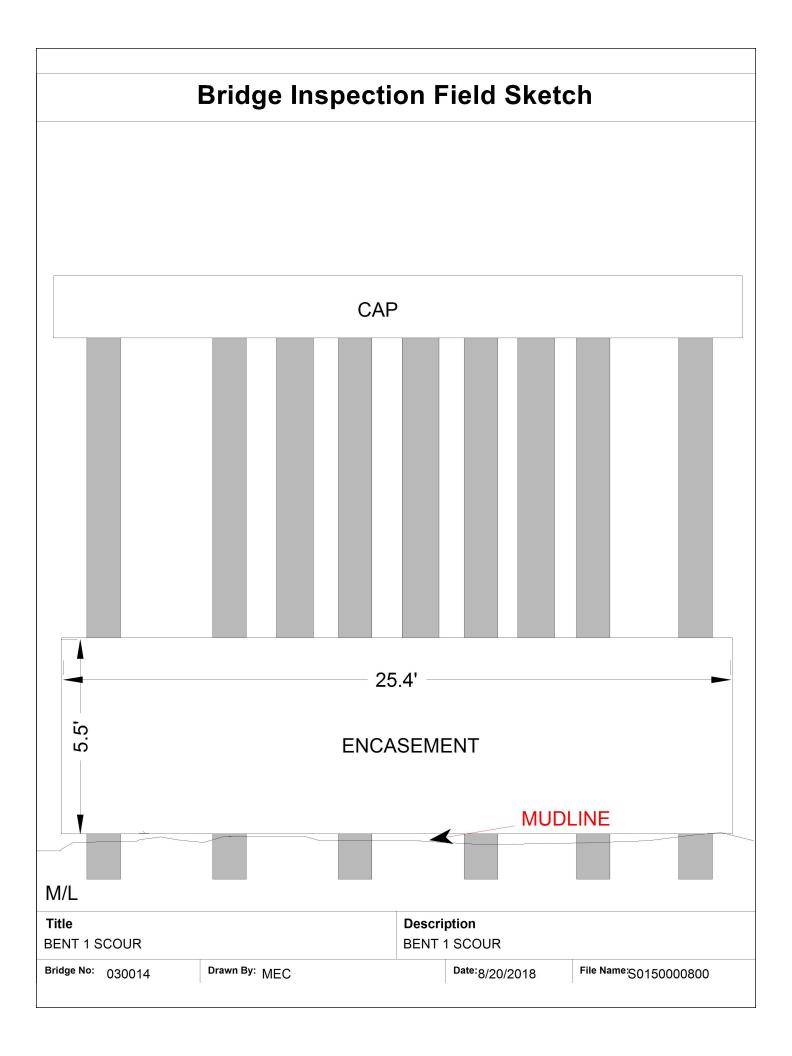


ALL SPANS: BEAM 2, 3 ALL SPANS: BEAM 1, 4

MEASUREMENTS MODIFIED 01/11/19 BY OJP BEAM SIZES REVISED 1-19-21 JBW

Title			Description					
TYPICAL SECTION			CONCRETE BRIDGE ON I-BEAMS					
Bridge No: 030014	Drawn By: EC BLAKE		Date: _{1/15/09}	File Name: \$0070000810				

Bridge Inspection Field Sketch NORTH ABUTMENT 2 FLOW_ BENT 2 **DRY BED** WATER EDGE **FLOW** BENT 1 **ABUTMENT 1** Title Description **PLAN VIEW PLAN VIEW** Bridge No: 030014 Drawn By: KSH File Name: S0150000799 Date: 8/20/2018



PILES 3, 5, & 7 ADDED TO ORIGINAL, PILES ENCASED IN CONCRETE.

CONCRETE ENCASEMENT 25.4' X 5.417' X 2'

Cap In	formation		Material	Cast-in-	Place Concre	ete						
		Height	Left Overhang		Right Overhang		Left Beam to End of Cap.		Right Beam to End of Cap		d of Cap.	
26.750 ft. 2.500 ft.		2.500 ft.	1.958 ft.		1.958 ft.		1.500 ft.		1.500 ft.			
Subca	p Information		Material									
Length Width		Height	Left Overhang		Right Overhang		Left Pile to Splice.					
Sill Info	ormation		Material									
Lengt	th Width	Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orier	ntation	Driven?	Replacem	nent?	Removed?	Collar?
1	Steel	4.5 ft.	1.0 ft.			Vertical		Yes	No		No	No
2 Steel		2.167 ft.	1.0 ft.			Vertical		Yes	No		No	No
3	Steel	2.5 ft.	1.0 ft.			Vertical		No	No		No	No
4	Steel	2.167 ft.	1.0 ft.			Verti	cal	Yes	No		No	No
5	Steel	2.25 ft.	1.0 ft.			Verti	cal	No	No		No	No
6	Steel	2.167 ft.	1.0 ft.			Verti	cal	Yes	No		No	No
7	Steel	2.417 ft.	1.0 ft.			Verti	cal	No	No		No	No
8	Steel	4.667 ft.	1.0 ft.			Verti	cal	Yes	No		No	No
9	Steel		1.0 ft.			Vertical		Yes	No		No	No
VE	RIFIED (01/11/1	9 BY O	JP								
MEASUREMENTS VERIFIED 1-19-21 JBW												
Bent/A	butment #:	1	Similar E	Bents:	NONE							

Description

WITH ADDITIONAL PILES

Date: 1/07/2013

File Name: \$0070001613

Title

INTERIOR BENT 1

030014

Drawn By: ado