NC DEPARTMENT OF TRANSPORTATION



**DIVISION OF HIGHWAYS** 

STRUCTURE MANAGEMENT UNIT

# Structure Safety Report

**Routine Element Inspection - Contract** 

STRUCTURE NUMBER: 100154 SAP STRUCTURE NO: 0110154	FHWA STRUCTURE NO: 00000000210154
DIVISION: 13 COUNTY: BUNCOMBE INSPECTION DATE: 01/05/20	D23 FREQUENCY: 24 MONTHS
FACILITY CARRIED: SR1003	MILE POST:
LOCATION: 0.02 MI.S.JCT.NC197	
FEATURE INTERSECTED: IVY CREEK	-
LATITUDE: 35° 46' 38.58" LONGITUDE: 82° 27' 31.52"	
SUBSTRUCTURE: ABUTS:EXISTING YOUNT MASONRY;PIER:SOLID CONC.	
SPANS: 2 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS	
FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL	SCOUR PLAN OF ACTION
GRADES: (Inspector/NBI Coding) DECK 7/7 SUPERSTRUCTURE 5/5 SUBSTI	RUCTURE 5/5 CULVERT N/N
POSTED SV: Not Posted POSTED TTST: Not	Posted

#### OTHER SIGNS PRESENT: (4) DELINEATORS, (2) NARROW BRIDGE



### SOUTH APPROACH LOOKING NORTH

INSPECTED BY CARL LARSON Cs 2

ASSISTED BY TYLER WALIEZER

Number

Required

0

0

0

0

0

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

03/10/2023

				03/10/20
(1) STATE NAME NORTH CAROLINA BRIDGE 1	100154	SUFFICIENCY RATING		62.
	210154	STATUS =		
(5) INVENTORY ROUTE (ON/UNDER) ON 310	010030	C	LASSIFICATION	CODE
(2) STATE HIGHWAY DEPARTMENT DISTRICT	13	(112) NBIS BRIDGE SYSTEM		
(3) COUNTY CODE (FEDERAL) 21 (4) PLACE CODE	0	(104) HIGHWAY SYSTEM	Inventory Route not on NHS	
(6) FEATURE INTERSECTED IVY CREEK (7) FACILITY CARRIED SR1003		(26) FUNCTIONAL CLASS	Rural Minor Collector	
(9) LOCATION 0.02 MI.S.JCT.NC197		(100) STRAHNET HIGHWAY	Not a STRAHNET Route	
(11) MILEPOINT	0.0	(101) PARALLEL STRUCTURE	No parallel structure exists	
12) BASE HIGHWAY NETWORK	0	(102) DIRECTION OF TRAFFIC	2-way traffic	
13) LRS INVENTORY ROUTE & SUBROUTE	0	(103) TEMPORARY STRUCTURE	2	
(16)         LATITUDE         35° 46' 38.58"         (17)         LONGITUDE         82° 27' 3           98)         BORDER BRIDGE STATE CODE         PERCENT SHARED	31.52"		TWORK - on national network for trucks	
99) BORDER BRIDGE STRUCTURE NUMBER				
			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 SIGNIFICANCE	-	
44) STRUCTURE TYPE APPROACH			CONDITION	CODE
TYPE CODE		(58) DECK		
45) NUMBER OF SPANS IN MAIN UNIT	2	(59) SUPERSTRUCTURE		
46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE		
107) DECK STRUCTURE TYPE CODE	8	(61) CHANNEL & CHANNEL PROT	ECTION	
108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS		
(A) TYPE OF WEARING SURFACE CODE	6	LOAD RA	TING AND POSTING	COD
(B) TYPE OF MEMBRANE CODE	0	(31) DESIGN LOAD	Unknown	
(C) TYPE OF DECK PROTECTION CODE	0	(63) OPERATING RATING METHO	D - Load Factor	
AGE AND SERVICE		(64) OPERATING RATING -	HS-27	
27) YEAR BUILT	1951	(65) INVENTORY RATING METHO	D -	
106) YEAR RECONSTRUCTED	1980	(66) INVENTORY RATING	HS-16	
42) TYPE OF SERVICE ON - Hig	ghway	(70) BRIDGE POSTING	No Posting Required	
OFF - Waterway CODE	15	(41) STRUCTURE OPEN, POSTED	0. OR CLOSED	
28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	0	DESCRIPTION	Open, no restriction	
29) AVERAGE DAILY TRAFFIC	1300		APPRAISAL	COD
30) YEAR OF ADT 2019 (109) TRUCK ADT PCT	6	(67) STRUCTURAL EVALUATION		
19) BYPASS OR DETOUR LENGTH	17.0	(68) DECK GEOMETRY		
GEOMETRIC DATA	17.0	(69) UNDERCLEARANCES, VERT	8. HOPIZ	
48) LENGTH OF MAXIMUM SPAN	39.0			
49) STRUCTURE LENGTH	81.0	(71) WATERWAY ADEQUACY		
50) CURB OR SIDEWALK: LEFT 0.0 RIGHT	0.0	(72) APPROACH ROADWAY ALIG		
51) BRIDGE ROADWAY WIDTH, CURB TO CURB	18.1	(36) TRAFFIC SAFETY FEATURES		0
52) DECK WIDTH OUT TO OUT	19.1	(113) SCOUR CRITICAL BRIDGES		
32) APPROACH ROADWAY WITH (W/ SHOULDERS)	18.5		SED IMPROVEMENTS	
33) BRIDGE MEDIAN     No median CODE       34) SKEW     0     (35) STRUCTURE FLARED	0 0	(75) TYPE OF WORK	COI	DE
10) INVENTORY ROUTE MIN VERT CLEAR	999.9	(76) LENGTH OF STRUCTURE IM	PROVEMENT	
47) INVENTORY ROUTE TOTAL HORIZ CLEAR	18.1	(94) BRIDGE IMPROVEMENT COS	ST	
53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9	(95) ROADWAY IMPROVEMENT C	OST	
54) MIN VERT UNDERCLEAR: REFERENCE N	0.0	(96) TOTAL PROJECT COST		
55) MIN LAT UNDERCLEARANCE RT: REFERENCE N	0.0 0.0	(97) YEAR OF IMPROVEMENT CO	ST ESTIMATE	
56) MIN LAT UNDERCLEARANCE LT:	0.0	(114) FUTURE ADT	2,400 YEAR OF FUTURE ADT	2
NAVIGATION DATA			INSPECTION	
38) NAVIGATION CONTROL - CODE	0	(90) INSPECTION DATE	01/23 (91) FREQUENCY	
111) PIER PROTECTION Navigation Protection not required CODE	1	(92) CRITICAL FEATURE INSPECT	FION (93) CFI DA	TE
39) NAVIGATION VERTICAL CLEARANCE	0.0	A) FRACTURE CRIT DETAIL	A)	
116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	B) UNDERWATER INSP	В)	
			2)	
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP	C)	

### Superstructure Build Details

Skew 90.000

Span Length 40.042

Span Number <u>1</u>

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Timber Deck	Timber Deck	773	Square Feet		
18	Other Bearing	Other Bearings	18	Each	Unknown	18
2	Steel Rail	Metal Bridge Railing	82	Feet	Galvanized Protective System	82
1	Asphalt Wearing Surface	Wearing Surface	733	Square Feet		
9	Plate Girder	Steel Open Girder/Beam	360	Feet	Legacy Red Lead Primer Systems with Various Topcoats	2268

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
18	Other Bearing	Other Bearings	18	Each	Unknown	18
1	Timber Deck	Timber Deck	765	Square Feet		
9	Plate Girder	Steel Open Girder/Beam	360	Feet	Legacy Red Lead Primer Systems with Various Topcoats	2304
2	Steel Rail	Metal Bridge Railing	82	Feet	Galvanized Protective System	82
1	Asphalt Wearing Surface	Wearing Surface	733	Square Feet		

# Structure Element Scoring

#### Structure Number: 100154

# Inspection Date 1/5/2023

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31		Timber Deck	Deck	1,538	1,538	0	0	0
107		Steel Open Girder/Beam	Beam	720	6	672	0	42
515	107	Steel Protective Coating	Beam	4,572	4,568	0	0	4
316		Other Bearings	Bearing Device	36	32	0	4	0
515	316	Steel Protective Coating	Bearing Device	36	36	0	0	0
330		Metal Bridge Railing	Bridge Rail	164	160	0	4	0
515	330	Steel Protective Coating	Bridge Rail	164	164	0	0	0
510		Wearing Surface	Wearing Surfaces	1,466	0	0	1,466	0
205		Reinforced Concrete Column	Piles and Columns	1	0	0	1	0
215		Reinforced Concrete Abutment	Abutments	30	0	30	0	0
217		Masonry Abutments	Abutments	30	0	30	0	0
234		Reinforced Concrete Pier Cap	Caps	49	30	19	0	0

# Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 100154

Inspection Date: 01/05/2023

MMS Code	Element Name	Defect Name	Recommended Quantity
3314	Steel Open Girder/Beam	Corrosion	42 Feet
3348	Reinforced Concrete Column	Delamination/Spall	17 Each
3348	Reinforced Concrete Pier Cap	Delamination/Spall	1 Feet
3334	Other Bearings	Connection	4 Each
3322	Metal Bridge Railing	Connection	4 Feet
2816	Wearing Surface	Crack (Wearing Surface)	1466 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	4 Square Feet

# Element Structure Maintenance Quantities

Structure Number: 10	00154				Ir	spection D	ate <u>01/05/</u>	2023
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3314	Maintenance Steel Superstructure Components	42	720	42.000	0.000	672.000	6.000
Beam	3342	Clean and Paint Steel	4	4572	4.000	0.000	0.000	4568.000
Bearing Device	3334	Bridge Bearing	4	36	0.000	4.000	0.000	32.000
Bearing Device	3342	Clean and Paint Steel	0	36	0.000	0.000	0.000	36.000
Bridge Rail	3322	Maintenance of Steel Bridge Rail	4	164	0.000	4.000	0.000	160.000
Bridge Rail	3342	Clean and Paint Steel	0	164	0.000	0.000	0.000	164.000
Deck	3324	Maintenance of Timber Deck Components	0	1538	0.000	0.000	0.000	1538.000
Wearing Surfaces	2816	Asphalt Surface Repair	1466	1466	0.000	1466.000	0.000	0.000
Abutments	3350	Maintenance of Concrete Wings and Wall	0	30	0.000	0.000	30.000	0.000
Abutments	3350	Maintenance of Concrete Wings and Wall	0	30	0.000	0.000	30.000	0.000
Caps	3348	Maintenance of Concrete Substructure	1	49	0.000	0.000	19.000	30.000
Piles and Columns	3348	Maintenance of Concrete Substructure	17	1	0.000	1.000	0.000	0.000

# **Priority Actions Request**

Span 1			
3334	Beam 2	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT IN BEAM 2 BEARING (PRIORITY ACTION REQUEST)
3314	Beam 3	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 1 Beam 3: ACTIVE CORROSION UP TO 1 FOOT 4 INCHES LONG X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 1 (PRIORITY ACTION REQUEST)
2	Connection	1	Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT NUT IN BEAM 3 BEARING (PRIORITY ACTION REQUEST)
3334	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT AND ANCHOR BOLT NUT IN BEAM 4 BEARING (PRIORITY ACTION REQUEST)
3334	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT IN BEAM 5 BEARING (PRIORITY ACTION REQUEST)
3322	Right Bridge Rail	Steel Rail	
Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Right Bridge Rail: MISSING (1) ANCHOR BOLT AT POST 3 (PRIORITY ACTION REQUEST)
2	Connection	3	Span 1 Right Bridge Rail: MISSING (3) ANCHOR BOLTS AT POST 5 (PRIORITY ACTION REQUEST)
2	Damage	2	Span 1 Right Bridge Rail: IMPACT DAMAGE UP TO 2 FEET LONG WITH HOLE U TO 3 INCHES LONG X 1 INCH HIGH IN THE SOUTH END TERMINAL (PRIORITY ACTION REQUEST)
Span2			
3314	Beam 9	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	41	Span 2 Beam 9: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO

Span 2 Beam 9: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

2 Assigned Priority Maintenance 3 Assigned Critical Find

# **Priority Actions Request**

Structure Number	100154	
		1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE // ARRESTED CORROSION UP TO 7 FEET 8 INCHES LONG X FULL WIDTH WITH 3/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 2 // ARRESTED CORROSION UP TO 16 FEET 9 INCHES LONG X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT BENT 1 (PRIORITY ACTION REQUEST)
Other Ground Mounted Signs		

3250	Other Ground Mounted Signs	Other Ground I	Mounted Signs
Priority Level	Defect Type	Quantity	Defect Description
2		1	SOUTHEAST NARROW BRIDGE SIGN IS DEFACED WITH PAINT (PRIORITY ACTION REQUEST)

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

2 Assigned Priority Maintenance 3 Assigned Critical Find

### Element Condition and Maintenance Data

Structure	Number: <u>10015</u> 4	Ł				Ins	spection	Date: <u>01/05/2023</u>
Spa	an 1	Beam 1						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Si	eel Open Girder/Beam	40	0	40	0	0	Feet
515	S	eel Protective Coating	252	252	0	0	0	Square Feet
Elemer Numbe	Dofoot Ty	De Defect Descr	iption		CS	CS Qty	Maint Qty	
<b>V</b> 107	Corrosion	ARRESTED CORROSION UP TO FULL HEIGHT WITH 5/16 INCH RI (GREATER THAN OR EQUAL TO SECTION LOSS, LESS THAN 25 F SECTION LOSS) IN THE WEB	EMAINING 1/16 INCH		2	40	ŗ	Feet
✓ 107	Corrosion	ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WI SECTION LOSS IN THE BOTTOM	TH 1/32 INCH		2			Feet
✓ 107	Corrosion	BEAM REPAINTED PRIOR TO 202 CYCLE	23 INSPECTION		1			Feet
✓ 515	Effectiveness (S Protective Coati		23 INSPECTION		1			Square Feet
	General Comme	nts						

al y 0 2	CS1 Qty 0 252	CS2 Qty 40 0	CS3 Qty 0 0	-	Feet Square Feet
у О	Qty 0	Qty 40	Qty 0	Qty 0	Feet
у О	Qty 0	Qty 40	Qty 0	Qty 0	Feet
-	-	-	-	-	
2	252	0	0	0	Square Feet
		CS	CS Qty	Maint Qty	
HES Ν Γ1		2	5		Feet
H X 1 N		2	35		Feet
NC		1			Square Feet
	N 1 I X 1 I	N 1 I X 1 I	N 1 IX1 2 I	N 1 I X 1 2 35 I	HES 2 5 N 1 I X 1 2 35 N

Span 1		Beam 3						
Plate Gi	rder							
Element Number 107	Element Nar Steel Open Girder/Beam	ne	Total Qty 40	CS1 Qty 0	CS2 Qty 38	CS3 Qty 0	CS4 Qty 2	Feet
515	Steel Protective Coating		252	250	0	0	2	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>100154</u>			Inspect	ion Date: <u>01/05/2023</u>
✓ 107	Corrosion	ACTIVE CORROSION UP TO 1 FOOT 4 INCHES LONG X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 1 (PRIORITY ACTION REQUEST)	4	2	2 Feet
<b>V</b> 107	Corrosion	ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE TOP FLANGE	2	38	Feet
✓ 515	Effectiveness (Steel Protective Coatings)	ACTIVE CORROSION UP TO 1 FOOT 4 INCHES LONG X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 1	4	2	2 Square Feet

General Comments

(2) 7/8 INCH HOLES, 17 FEET 8 INCHES FROM ABUTMENT 1, 5 INCHES VERTICAL SPACING

Spa Plat	n 1 e Girder	Beam 4						
	ment nber Steel O	Element Name ben Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0	
515	Steel Pr	otective Coating	252	252	0	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
✓ 107	Corrosion	ARRESTED CORROSION UP TO 2 FULL WIDTH WITH 1/32 INCH SEC THE BOTTOM FLANGE AT END B	TION LOSS IN		2	2		Feet
✓ 107	Corrosion	ARRESTED CORROSION UP TO I FULL LENGTH X FULL WIDTH WIT SECTION LOSS IN THE TOP FLAM	TH 1/32 INCH		2	38		Feet
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	BEAM REPAINTED PRIOR TO 202 CYCLE	3 INSPECTION		1			Square Feet

Spa	an 1		Bea	am 5						
Pla	te Girder									
	ement mber	Steel Op	Element Name en Girder/Beam		Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0	
515		Steel Pro	tective Coating		252	252	0	0	0	Square Feet
Elemer Numbe	Dofoct	Туре	De	efect Description			CS	CS Qty	Maint Qty	
<b>V</b> 107	Corrosion		ARRESTED CORROSI LONG X FULL WIDTH LOSS IN THE BOTTOM	WITH 1/32 INCH SI	ECTION		2	2		Feet
✓ 107	Corrosion		ARRESTED CORROSI FULL LENGTH X 1 INC REMAINING (GREATEI INCH SECTION LOSS, SECTION LOSS) IN TH	H WIDE WITH 7/16 R THAN OR EQUAL LESS THAN 25 PE	INCH TO 1/16 RCENT		2	38		Feet
✓ 515	Effectiveness Protective Co	oatings)	BEAM REPAINTED PR CYCLE	IOR TO 2023 INSPI	ECTION		1			Square Feet
	General Com	ments								

Spa	un 1	Beam 6					
	e Girder	Beamo					
	ment nber Steel	Element Name I Open Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel	I Protective Coating	252	250	0	0	2 Square Feet
Elemen Numbe	Defect Tune	Defect Descr	iption		CS	CS Qty	Maint Qty
✓ 107	Corrosion	ARRESTED CORROSION UP TO LONG X FULL WIDTH WITH 7/16 (GREATER THAN OR EQUAL TO SECTION LOSS, LESS THAN 25 F SECTION LOSS) IN THE BOTTOM BENT 1	INCH REMAINING 1/16 INCH PERCENT		2	4	Feet
<b>∨</b> 107	Corrosion	ARRESTED CORROSION UP TO FULL WIDTH WITH 7/16 INCH RE (GREATER THAN OR EQUAL TO SECTION LOSS, LESS THAN 25 F SECTION LOSS) IN THE TOP FLA	MAINING 1/16 INCH PERCENT		2	34	Feet
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO FULL LENGTH X INTERMITTENT WITH 1/32 INCH SECTION LOSS FLANGE	FULL WIDTH		2		Feet
<b>v</b> 107	Corrosion	CORROSION UP TO 1 FOOT 10 II INCHES HIGH WITH 1/32 INCH SI THE WEB AT BENT 1			2	2	Feet
<b>√</b> 515	Effectiveness (Stee Protective Coatings				4	2	2 Square Feet

Spa	n 1		Beam 7						
Plat	e Girder								
	nent nber Steel O	Element Name pen Girder/Beam		Total Qty 40	CS1 Qty 3	CS2 Qty 37	CS3 Qty 0	CS4 Qty 0	
515	Steel P	rotective Coating		252	252	0	0	0	Square Feet
Elemen Numbe	Defect Tune		Defect Description			CS	CS Qty	Maint Qty	
<b>∨</b> 107	Corrosion	FULL WIDTH WITH (GREATER THAN C SECTION LOSS, LE	OSION UP TO FULL LE 7/16 INCH REMAININ DR EQUAL TO 1/16 INC ESS THAN 25 PERCEN I THE TOP FLANGE	G CH		2	37		Feet
<b>√</b> 107	Corrosion	FULL LENGTH X IN	OSION UP TO INTERN ITERMITTENT FULL W ECTION LOSS IN THE	/IDTH		2			Feet
107	Corrosion	LÓNG X 3 1/2 INCH THE BOTTOM LEF INCHES LONG X 3	S UP TO 2 FEET 6 INC IES WIDE X 1/2 INCH <sup>–</sup> T FLANGE AND 3 FEE 1/2 INCHES WIDE X 1 TOM RIGHT FLANGE	THICK IN T 4 /2 INCH		1	3		Feet
<b>V</b> 107	Corrosion	BEAM REPAINTED CYCLE	PRIOR TO 2023 INSP	ECTION		1			Feet

BEAM REPAINTED PRIOR TO 2023 INSPECTION

1

✓ 515 Protective Coatings) **General Comments** 

Effectiveness (Steel CYCLE

Spa	an 1	Beam 8						
Pla	te Girder							
	ement mber Steel Op	Element Name ben Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0	
515	Steel Pr	otective Coating	252	252	0	0	0	Square Feet
Eleme	Dofoot Typo	Defect Description	on		CS	CS Qty	Maint Qty	
<b>V</b> 107	Corrosion	ARRESTED CORROSION UP TO FUL FULL WIDTH WITH 7/16 INCH REMAI (GREATER THAN OR EQUAL TO 1/16 SECTION LOSS, LESS THAN 25 PER SECTION LOSS) IN THE TOP FLANG	NING SINCH CENT		2	40		Feet
✓ 107	Corrosion	ARRESTED CORROSION UP TO INTI FULL LENGTH X 8 INCHES HIGH WIT SECTION LOSS IN THE WEB			2			Feet
<b>1</b> 07	Corrosion	ARRESTED CORROSION UP TO INTI FULL LENGTH X INTERMITTENT FUL WITH 1/32 INCH SECTION LOSS IN T FLANGE	L WIDTH		2			Feet
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM REPAINTED PRIOR TO 2023 IN CYCLE	NSPECTION		1			Square Feet
	General Comments							

Span 1 Beam 9 Plate Girder Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty Steel Open Girder/Beam 107 0 Feet 40 0 40 0 Steel Protective Coating 515 252 252 0 0 0 Square Feet Element Maint CS Qty **Defect Description** CS Defect Type Number Qty ✓ 107 ARRESTED CORROSION UP TO FULL LENGTH X Corrosion 2 Feet FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE ✓ 107 ARRESTED CORROSION UP TO INTERMITTENT Corrosion 2 40 Feet FULL LENGTH X 5 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB ARRESTED CORROSION UP TO INTERMITTENT 2 ✓ 107 Corrosion Feet FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE

Structure	Number: <u>100154</u>			Inspection I	Date: <u>01/05/2023</u>
<b>√</b> 107	Corrosion	(4) REPAIR PLATES (1) UP TO 3 FEET LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE LEFT BOTTOM FLANGE, (2) UP TO 2 FEET LONG X 7 INCHES HIGH X 3/4 INCH THICK IN THE LEFT AND RIGHT SIDES OF THE WEB, AND (1) UP TO 4 FEET LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE RIGHT BOTTOM FLANGE AT END BENT 1	1	4	Feet
✓ 107	Corrosion	BEAM REPAINTED PRIOR TO 2023 INSPECTION CYCLE	1		Feet
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM REPAINTED PRIOR TO 2023 INSPECTION CYCLE	1		Square Feet
	General Comments				

Spa	an 1	Wearing Surface						
Asp	halt Wearing Surf	ace						
	ment nber Wearing	Element Name Surface	Total Qty 733	CS1 Qty 0	CS2 Qty 0	CS3 Qty 733	CS4 Qty 0 S	quare Feet
Elemen Numbe	Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
	Dofact Type	Defect Description TRANSVERSE CRACK UP TO FULL WII INCH WIDE AT END BENT 1	OTH X 1/4		CS 3	CS Qty 19		Square Feet

Spar	า 1	Left Bridge	Rail					
Stee	l Rail							
Elem Num 330 515	ber Meta	Element Name Bridge Railing Protective Coating	Total Qty 41 41	CS1 Qty 41 41	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	/ Feet
Element	Defect Type	Defect Desci			CS	CS Qty	Maint Qty	•
<b>√</b> 330	Corrosion	RAIL HAS BEEN PAINTED PRIOF INSPECTION CYCLE	R TO 2023		1			Square Feet
<b>V</b> 330	Damage	REPAIR PLATE UP TO 8 INCHES INCHES HIGH X 1/2 INCH THICK SPACER BLOCK FROM END BEI	IN THE 2ND		1	1		Feet
<b>√</b> 515	Effectiveness (Stee Protective Coatings		R TO 2023		1			Square Feet
C	General Comments							

Span 1		Right Bridge Rail						
Steel Ra	ail							
Element Number 330	Element Name Metal Bridge Railing		Total Qty 41	CS1 Qty 37	CS2 Qty 0	CS3 Qty 4	CS4 Qty 0	
515	Steel Protective Coating		41	41	0	0	0	Square Feet
lement Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>100154</u>			Inspectio	on D	0ate: <u>01/05/2023</u>
✓ 330	Connection	MISSING (1) ANCHOR BOLT AT POST 3 (PRIORITY ACTION REQUEST)	3	1	1	Feet
<b>√</b> 330	Connection	MISSING (3) ANCHOR BOLTS AT POST 5 (PRIORITY ACTION REQUEST)	3	1	3	Feet
<b>√</b> 330	Damage	IMPACT DAMAGE UP TO 2 FEET LONG WITH HOLE UP TO 3 INCHES LONG X 1 INCH HIGH IN THE SOUTH END TERMINAL (PRIORITY ACTION REQUEST)	3	2		Feet
<b>√</b> 330	Corrosion	RAIL HAS BEEN PAINTED PRIOR TO 2023 INSPECTION CYCLE	1			Square Feet
✓ 515	Effectiveness (Steel Protective Coatings)	RAIL HAS BEEN PAINTED PRIOR TO 2023 INSPECTION CYCLE	1			Square Feet
	Conorol Commonto					

Spa	an 1	Near Bear	ring					
Oth	ner Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other	Bearings	1	1	0	0	0	Each
515	Steel	Protective Coating	1	1	0	0	0	Square Feet
Elemer Numbe	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 1 BEARING REPAINTED	PRIOR TO 2023		1			Each
✓ 515	Effectiveness (Stee Protective Coatings		PRIOR TO 2023		1			Square Feet
	General Comments							

Spa	n 1	Far Beari	na					
Spa		Fai Deali	ng					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	1	0	0	0	Each
515	Steel Pro	otective Coating	1	1	0	0	0	Square Feet
Elemen Numbe	Dofact Type	Defect De	scription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 1 BEARING REPAINTEI	D PRIOR TO 2023		1			Each
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM 1 BEARING REPAINTEI	D PRIOR TO 2023		1			Square Feet
	General Comments							

Span	า 1	Near Bearin	a					
•	er Bearing		3					
Elem Num 316	ber	Element Name r Bearings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	Stee	I Protective Coating	1	1	0	0	0	Square Feet
Element Number	Dofoot Typo	Defect Descr	iption		CS	CS Qty	Maint Qty	
<b>√</b> 316	Connection	MISSING LEFT ANCHOR BOLT IN BEARING (PRIORITY ACTION RE			3	1		1 Each
<b>√</b> 316	Corrosion	BEAM 2 BEARING REPAINTED P INSPECTION CYCLE	RIOR TO 2023		1			Each

BEAM 2 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE

1

1

Square Feet

515 Effectiveness (Steel Protective Coatings) General Comments

NSPECTION CYCLE

Spa	an 1	Far Beari	ng					
Oth	ner Bearing							
	ement mber O	Element Name ther Bearings	Total Qty 1	CS1 Qty 1	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
515	St	eel Protective Coating	1	1	0	0	0	Square Feet
Elemei Numbe		De Defect Des	scription		CS	CS Qty	Maint Qty	
✔ 316	Corrosion	BEAM 2 BEARING REPAINTED	PRIOR TO 2023		1			Each
✔ 515	Effectiveness (S Protective Coati		PRIOR TO 2023		1			Square Feet
	General Comme	nts						
Sn	an 1	Near Bea	ring					
	ner Bearing	ineal Dea	ing					
	Ū		Tatal	004	000	000	004	
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	O	ther Bearings	1	0	0	1	0	Each
515	St	eel Protective Coating	1	1	0	0	0	Square Feet
Elemer	Defect Tru	De Defect Des	scription		CS	CS Qty	Maint Qty	
✓ 316	Connection	MISSING LEFT ANCHOR BOL BEARING (PRIORITY ACTION			3	1		1 Each
<b>√</b> 316	Corrosion	BEAM 3 BEARING REPAINTED			1			Each
✔ 515	Effectiveness (S Protective Coati		PRIOR TO 2023		1			Square Feet
	General Comme	nts						
So		For Poori	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
•	an 1	Far Beari	ng					
	her Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		ther Bearings	1	1	0	0		Each
515	St	eel Protective Coating	1	1	0	0	0	Square Feet
Elemei Numbe		De Defect Des	scription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 3 BEARING REPAINTED	PRIOR TO 2023		1		2.,	Each

Effectiveness (Steel BEAM 3 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE

INSPECTION CYCLE

General Comments

✓ 515

.

### Span 1 Other Bearing

0.11	ler bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	1	0	0	0	Square Feet
Elemer Numbe	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
✓ 316	Connection	MISSING LEFT ANCHOR BOLT A BOLT NUT IN BEAM 4 BEARING ACTION REQUEST)			3	1		1 Each
<b>√</b> 316	Corrosion	BEAM 4 BEARING REPAINTED P INSPECTION CYCLE	RIOR TO 2023		1			Each
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM 4 BEARING REPAINTED P INSPECTION CYCLE	RIOR TO 2023		1			Square Feet
	General Comments							

Spa	an 1	Far Bearin	ng					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	1	0	0	0	Each
515	Steel Pro	otective Coating	1	1	0	0	0	Square Feet
Elemen Numbe	Dofoot Turoo	Defect Des	scription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 4 BEARING REPAINTED	PRIOR TO 2023		1			Each
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM 4 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet

General Comments

al ty 1	CS1 Qty	CS2	CS3	CS4	
			CS3	094	
	0	Qty 0	Qty 1	Qty	Each
1	1	0	0	0	Square Feet
	C	cs cs	S Qty	Maint Qty	
		3	1		1 Each
3		1			Each
3		1			Square Feet
2	23	23	23 1	23 1	23 1

Far Bearing

Span 1	Far Beari
Other Bearing	
Element	

nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Other Be	earings	1	1	0	0	0	Each
Steel Pro	otective Coating	1	1	0	0	0	Square Feet
t r Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
Corrosion	BEAM 5 BEARING REPAINTED	PRIOR TO 2023		1		Ĩ	Each
Effectiveness (Steel Protective Coatings)	BEAM 5 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet
	t Corrosion Effectiveness (Steel	hber Element Name Other Bearings Steel Protective Coating t Defect Type Defect Der Corrosion BEAM 5 BEARING REPAINTEE INSPECTION CYCLE Effectiveness (Steel BEAM 5 BEARING REPAINTEE	Index     Element Name     Qty       Other Bearings     1       Steel Protective Coating     1       t     Defect Type     Defect Description       Corrosion     BEAM 5 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE       Effectiveness (Steel     BEAM 5 BEARING REPAINTED PRIOR TO 2023	Index     Element Name     Qty     Qty       Other Bearings     1     1       Steel Protective Coating     1     1       t     Defect Type     Defect Description       Corrosion     BEAM 5 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE       Effectiveness (Steel     BEAM 5 BEARING REPAINTED PRIOR TO 2023	Index     Element Name     Qty     Qty     Qty       Other Bearings     1     1     0       Steel Protective Coating     1     1     0       t     Defect Type     Defect Description     CS       Corrosion     BEAM 5 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE     1       Effectiveness (Steel     BEAM 5 BEARING REPAINTED PRIOR TO 2023     1	Index     Element Name     Qty     Qty     Qty     Qty     Qty       Other Bearings     1     1     0     0       Steel Protective Coating     1     1     0     0       t     Defect Type     Defect Description     CS     CS Qty       Corrosion     BEAM 5 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE     1     1       Effectiveness (Steel     BEAM 5 BEARING REPAINTED PRIOR TO 2023     1	Index     Element Name     Qty     Qty

General Comments

Spa	an 1	Near Bea	ring					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	1	0	0	0	Each
515	Steel Pr	rotective Coating	1	1	0	0	0	Square Feet
Elemer Numbe	Dofact Type	Defect De	escription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 6 BEARING REPAINTE INSPECTION CYCLE	D PRIOR TO 2023		1			Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	BEAM 6 BEARING REPAINTE	D PRIOR TO 2023		1			Square Feet
	General Comments							

Span 1

### Far Bearing

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	1	0	0	0	Each
515	Steel Pr	otective Coating	1	1	0	0	0	Square Feet
Elemen Number	Dofoot Typo	Defect Descr	iption		CS	CS Qty	Maint Qty	
<b>7</b> 316	Corrosion	BEAM 6 BEARING REPAINTED P INSPECTION CYCLE	RIOR TO 2023		1			Each
✔ 515	Effectiveness (Steel Protective Coatings)	BEAM 6 BEARING REPAINTED P INSPECTION CYCLE	RIOR TO 2023		1			Square Feet

Span 1		Ne	ar Bearing					
Other B	earing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	1	0	0	0	Each
515	Steel Pro	otective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	D	efect Description		CS	CS Qty	Maint Qty	
✓ 316 Corr	rosion	BEAM 7 BEARING REF	PAINTED PRIOR TO 2023		1			Each

1

✓ 515 Effectiveness (Steel Protective Coatings) General Comments

Spa	an 1	Far Bearir	na					
	ner Bearing							
	ement		Total	CS1	CS2	CS3	CS4	
	mber	Element Name	Qty	Qty	Qty	Qty	Qty	<b>F</b> ach
316		er Bearings	1	1	0	0		Each
515	Ste	el Protective Coating	1	1	0	0	0	Square Feet
Eleme	Defect Turn	e Defect Des	cription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 7 BEARING REPAINTED	PRIOR TO 2023		1		,	Each
✓ 515	Effectiveness (Ste Protective Coatin	BEAM 7 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet
	General Commen							
Spa	an 1	Near Bear	ina					
	ner Bearing							
	-							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Oth	er Bearings	1	1	0	o		Each
515	Ste	el Protective Coating	1	1	0	0	0	Square Feet
Elemer		e Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 8 BEARING REPAINTED	PRIOR TO 2023		1	-	Qty	Each
<b>√</b> 515	Effectiveness (Sto Protective Coatin	BEAM 8 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet
	General Commen	-						
0	4	F. D						
	an 1	Far Bearir	ng					
Oth	ner Bearing							
	ement	Element Nama	Total	CS1	CS2	CS3	CS4	
NU 316	mber Oth	Element Name er Bearings	Qty 1	Qty 1	Qty 0	Qty 0	Qty 0	Each
515		el Protective Coating	1	1	0	0		Square Feet
Elemer	Defect True	e Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 8 BEARING REPAINTED			1	-	Qty	Each
✓ 515	Effectiveness (Ste Protective Coatin	BEAM 8 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet
	General Commen							

Spar	า 1	N	ear Bearing						
Othe	er Bearing								
Elerr Num		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings		1	1	0	0	0	Each
515	Steel Pr	otective Coating		1	1	0	0	0	Square Feet
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<b>7</b> 316	Corrosion	BEAM 9 BEARING RI	-	O 2023		1			Each
<b>/</b> 515	Effectiveness (Steel Protective Coatings)	BEAM 9 BEARING RI	-	O 2023		1			Square Feet
Ī	General Comments								

Span 1 Far Bearing Other Bearing CS4 Element Total CS1 CS2 CS3 Number Element Name Qty Qty Qty Qty Qty 316 Other Bearings 0 Each 0 0 1 1 515 **Steel Protective Coating** 0 0 0 Square Feet 1 1 Element Maint Defect Type **Defect Description** CS CS Qty Number Qty BEAM 9 BEARING REPAINTED PRIOR TO 2023 1 ✓ 316 Corrosion Each **INSPECTION CYCLE** ✓ 515 Effectiveness (Steel **BEAM 9 BEARING REPAINTED PRIOR TO 2023** 1 Square Feet Protective Coatings) INSPECTION CYCLE

Span 2	В	eam 1						
Plate Girder								
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		40	0	40	0	0	Feet
515	Steel Protective Coating		256	256	0	0	0	Square Feet
Element Number Defect	Туре	Defect Description			CS	CS Qty	Maint Qty	
✓ 107 Corrosion	ARRESTED CORRO FULL WIDTH WITH 7 (GREATER THAN OF SECTION LOSS, LES SECTION LOSS) IN 7	7/16 INCH REMAINI R EQUAL TO 1/16 IN SS THAN 25 PERCE	NG NCH ENT		2	40		Feet

v	ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 6 INCHES HIGH WITH 1/32 INCH SECTION LOSS IN THE WEB ARRESTED CORROSION UP TO INTERMITTENT	2	Feet
	ARRESTED CORROSION UP TO INTERMITTENT	0	
V	FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE	2	Feet
<b>v</b>	BEAM REPAINTED PRIOR TO 2023 INSPECTION CYCLE	1	Square Feet
•	BEAM REPAINTED PRIOR TO 2023 INSPECTION CYCLE	1	Square Feet
General Comments			

	an 2 te Girder	Beam 2						
Ele	ement mber	Element Name pen Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0	Feet
515		rotective Coating	256	256	0	0	-	Square Feet
Elemer Numbe	Defect Tune	Defect Descripti	on		CS	CS Qty	Maint Qty	
✓ 107	Corrosion	ARRESTED CORROSION UP TO IN FULL LENGTH X 8 INCHES HIGH WI SECTION LOSS IN THE WEB			2			Feet
<b>V</b> 107	Corrosion	ARRESTED CORROSION UP TO INT FULL LENGTH X FULL WIDTH WITH SECTION LOSS IN THE BOTTOM FL	1/32 INCH		2			Feet
✓ 107	Corrosion	ARRESTED CORROSION UP TO IN FULL LENGTH X FULL WIDTH WITH REMAINING (GREATER THAN OR E INCH SECTION LOSS, LESS THAN 2 SECTION LOSS) IN THE TOP FLANC	7/16 INCH QUAL TO 1/16 25 PERCENT		2	40		Feet
<b>V</b> 107	Damage	REPAIR ANGLE UP TO 1 FOOT LON WIDE X 4 INCHES HIGH IN BAY 2 IN DIAPHRAGM			1	1		Feet
<b>√</b> 515	Effectiveness (Steel Protective Coatings) General Comments	BEAM REPAINTED PRIOR TO 2023 CYCLE	INSPECTION		1			Square Feet

Span 2

Beam 3

#### Plate Girder

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Stee	el Open Girder/Beam	40	0	40	0	0	Feet
515	Stee	el Protective Coating	256	256	0	0	0	Square Feet
Elemen Numbe	Dofoot Type	e Defect Description	on		CS	CS Qty	Maint Qty	
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO INT FULL LENGTH X FULL WIDTH WITH REMAINING (GREATER THAN OR EC INCH SECTION LOSS, LESS THAN 2 SECTION LOSS) IN THE BOTTOM FL	7/16 INCH QUAL TO 1/16 5 PERCENT		2	40		Feet
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO INT FULL LENGTH X FULL WIDTH WITH REMAINING (GREATER THAN OR EC INCH SECTION LOSS, LESS THAN 2 SECTION LOSS) IN THE TOP FLANG	7/16 INCH QUAL TO 1/16 5 PERCENT		2			Feet
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO INT FULL LENGTH X INTERMITTENT FU WITH 5/16 INCH REMAINING (GREA EQUAL TO 1/16 INCH SECTION LOS 25 PERCENT SECTION LOSS) IN TH	LL HEIGHT TER THAN OR S, LESS THAN		2			Feet
<b>√</b> 515	Effectiveness (Ste Protective Coating	gs) CYCLE	NSPECTION		1			Square Feet

**General Comments** 

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Span	2
•	

Beam 4

Pla	te Girder						
	ement mber St	Element Name eel Open Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0 Feet
515	St	eel Protective Coating	256	256	0	0	0 Square Feet
Elemer Numbe	Dofoot Tu	Defect Descript			CS 2	CS Qty 40	Maint Qty Feet
		FULL WIDTH WITH 7/16 INCH REM, (GREATER THAN OR EQUAL TO 1/ SECTION LOSS, LESS THAN 25 PE SECTION LOSS) IN THE BOTTOM F	AINING 16 INCH RCENT		Z	40	
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO IN FULL LENGTH X 8 INCHES HIGH W REMAINING (GREATER THAN OR E INCH SECTION LOSS, LESS THAN SECTION LOSS) IN THE WEB	/ITH 5/16 INCH EQUAL TO 1/16		2		Feet
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO IN FULL LENGTH X FULL WIDTH WITH REMAINING (GREATER THAN OR E INCH SECTION LOSS, LESS THAN SECTION LOSS) IN THE TOP FLAN	H 7/16 INCH EQUAL TO 1/16 25 PERCENT		2		Feet
✓ 515	Effectiveness (S Protective Coati		INSPECTION		1		Square Feet
•	an 2 te Girder	Beam 5					
Pla	te Girder		Total	CS1	CS2	CS3	CS4
Pla	te Girder ement mber	Beam 5 Element Name reel Open Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0 Feet
Pla Ele Nu	te Girder ement mber St	Element Name	Qty	Qty	Qty	Qty	Qty
Pla Ele Nu 107	te Girder ement mber St St	Element Name teel Open Girder/Beam teel Protective Coating	Qty 40 256	Qty 0	Qty 40	Qty 0	Qty 0 Feet
Pla Ele Nui 107 515 Elemer	te Girder ement mber St St	Element Name teel Open Girder/Beam teel Protective Coating	Qty 40 256 tion JLL LENGTH X 6 MAINING 16 INCH	Qty 0	Qty 40 0	Qty 0 0	Qty 0 Feet 0 Square Feet Maint
Pla Ele Nu 107 515 Elemer Numbe	te Girder ement mber St St nt er Defect Typ	Element Name teel Open Girder/Beam teel Protective Coating pe Defect Descript ARRESTED CORROSION UP TO FU INCHES HIGH WITH 5/16 INCH REI (GREATER THAN OR EQUAL TO 1/ SECTION LOSS, LESS THAN 25 PE	Qty 40 256 tion JLL LENGTH X 6 MAINING 16 INCH RCENT ITERMITTENT 17/16 INCH EQUAL TO 1/16 25 PERCENT	Qty 0	Qty 40 0 CS	Qty 0 0	Qty 0 Feet 0 Square Feet Maint Qty
Pla Ele Nu 515 Elemer Numbe	te Girder ement mber St St nt er Defect Typ Corrosion	Element Name teel Open Girder/Beam teel Protective Coating Defect Descript ARRESTED CORROSION UP TO FU INCHES HIGH WITH 5/16 INCH REI (GREATER THAN OR EQUAL TO 1/ SECTION LOSS, LESS THAN 25 PE SECTION LOSS) IN THE WEB ARRESTED CORROSION UP TO IN FULL LENGTH X FULL WIDTH WITH REMAINING (GREATER THAN OR E INCH SECTION LOSS, LESS THAN	Qty 40 256 tion JLL LENGTH X 6 MAINING 16 INCH RCENT ITERMITTENT 4 7/16 INCH 20 PERCENT GE ITERMITTENT ULL WIDTH ATER THAN OR SS, LESS THAN	Qty 0	Qty 40 0 CS 2	Qty 0 0	Qty 0 Feet 0 Square Feet Maint Qty Feet

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Span 2

#### Beam 6

Plat	e Girder							
Elen Num 107	nber	Element Name Steel Open Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0	Feet
515	S	Steel Protective Coating	256	256	0	0	0	Square Feet
Elemen	Defect T	ype Defect Descrip	tion		CS	CS Qty	Maint Qty	
✓ 107	Corrosion	ARRESTED CORROSION UP TO FU INTERMITTENT FULL WIDTH WITH REMAINING (GREATER THAN OR I INCH SECTION LOSS, LESS THAN SECTION LOSS) IN THE BOTTOM F	I 7/16 INCH EQUAL TO 1/16 25 PERCENT		2	40		Feet
✓ 107	Corrosion	ARRESTED CORROSION UP TO IN FULL LENGTH X 6 INCHES HIGH W REMAINING (GREATER THAN OR I INCH SECTION LOSS, LESS THAN SECTION LOSS) IN THE WEB	/ITH 5/16 INCH EQUAL TO 1/16		2			Feet
<b>√</b> 107	Corrosion	ARRESTED CORROSION UP TO IN FULL LENGTH X FULL WIDTH WITH REMAINING (GREATER THAN OR I INCH SECTION LOSS, LESS THAN SECTION LOSS) IN THE TOP FLAN	H 7/16 INCH EQUAL TO 1/16 25 PERCENT		2			Feet
✓ 107	Damage	REPAIR ANGLE UP TO 1 FOOT LOI WIDE X 4 INCHES HIGH IN BAY 6 II DIAPHRAGM			1	1		Feet
∕ 515	Effectiveness ( Protective Coa		INSPECTION		1			Square Feet

Spa	n 2	Beam	7					
Plat	e Girder							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	40	3	37	0	0	Feet
515	Steel Pro	ptective Coating	256	256	0	0	0	Square Feet
Elemen Number	Dofoot Tupo	Defect	t Description		CS	CS Qty	Maint Qty	
✓ 107	Corrosion	ARRESTED CORROSION FULL LENGTH X FULL WIE SECTION LOSS IN THE BO	OTH WITH 1/32 INCH		2		-	Feet
<b>√</b> 107	Corrosion	ARRESTED CORROSION FULL LENGTH X FULL WIE REMAINING (GREATER TH INCH SECTION LOSS, LES SECTION LOSS) IN THE T	OTH WITH 7/16 INCH HAN OR EQUAL TO 1/16 SS THAN 25 PERCENT		2	37		Feet
✓ 107	Damage	REPAIR PLATE (3 FEET LO WIDE X 1/2 INCH THICK) T BOTTOM FLANGE AT NEA	O TOP OF LEFT SIDE		1	3		Feet
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	BEAM REPAINTED PRIOR CYCLE	TO 2023 INSPECTION		1			Square Feet
-	General Comments							

Span 2

#### Beam 8

Plat	te Girder								
	ment mber	Steel Op	Element Name en Girder/Beam	Total Qty 40	CS1 Qty 0	CS2 Qty 40	CS3 Qty 0	CS4 Qty 0	
515		Steel Pro	tective Coating	256	256	0	0	0	Square Feet
Elemer Numbe	Defect	Туре	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 107	Corrosion		ARRESTED CORROSION UP TO 1 FOOT LONG X 4 INCHES HIGH WITH 5/16 INC REMAINING (GREATER THAN OR EQUA INCH SECTION LOSS, LESS THAN 25 PE SECTION LOSS) IN THE WEB AT END BI	H IL TO 1/16 ERCENT		2			Feet
∑ 107	Corrosion		ARRESTED CORROSION UP TO 1 FOOT LONG X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUA INCH SECTION LOSS, LESS THAN 25 PE SECTION LOSS) IN THE BOTTOM FLANG BENT 2	L TO 1/16 ERCENT		2	2		Feet
∑ 107	Corrosion		ARRESTED CORROSION UP TO INTERN FULL LENGTH X FULL WIDTH WITH 7/16 REMAINING (GREATER THAN OR EQUA INCH SECTION LOSS, LESS THAN 25 PE SECTION LOSS) IN THE TOP FLANGE	INCH L TO 1/16		2	38		Feet
✔ 515	Effectiveness Protective Co	atings)	BEAM REPAINTED PRIOR TO 2023 INSF CYCLE	PECTION		1			Square Feet

Spa	in 2	B	eam 9					
Plat	e Girder							
	ment nber	Element Name Steel Open Girder/Beam	Tota Qty 40	/ Qty	y Qty	CS3 Qty 0	CS4 Qty 40 Fee	et
515		Steel Protective Coating	250	6 256	0	0	0 Squ	uare Feet
Elemen Numbe	er Defect		Defect Description	JT	CS	CS Qty	Maint Qty	
✓ 107	Corrosion	FULL LENGTH X FU REMAINING (GREAT INCH SECTION LOS PERCENT SECTION ACTIVE CORROSIO LONG X FULL WIDT (GREATER THAN OF SECTION LOSS, GR SECTION LOSS) IN BENT 2 // ARRESTE FEET 9 INCHES LOP INCH REMAINING (0 1/16 INCH SECTION	SION UP TO INTERMITTEN LL WIDTH WITH 3/8 INCH FER THAN OR EQUAL TO 7 S, GREATER THAN 25 I LOSS) IN THE TOP FLANG N UP TO 7 FEET 8 INCHES H WITH 3/16 INCH REMAIN R EQUAL TO 1/16 INCH EATER THAN 25 PERCEN THE BOTTOM FLANGE AT ED CORROSION UP TO 16 NG X FULL WIDTH WITH 3/ GREATER THAN OR EQUA I LOSS, GREATER THAN 2 I LOSS) IN THE BOTTOM (PRIORITY ACTION	I/16 GE // IING T END 8 L TO	4	40	40 F	-eet
<b>V</b> 107	Corrosion	INCHES LONG X FU REMAINING (GREAT INCH SECTION LOS	SION UP TO 15 FEET 7 LL WIDTH WITH 7/16 INCH FER THAN OR EQUAL TO 1 S, LESS THAN 25 PERCEN THE BOTTOM FLANGE AT	/16	2		F	Feet

Structure	e Number: <u>100154</u>			Inspection Date: 01/05/2023
✓ 107	Corrosion	ARRESTED CORROSION UP TO 32 FEET 4 INCHES INCHES LONG X 5 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB AT BENT 1	2	Feet
<b>1</b> 07	Corrosion	ARRESTED CORROSION UP TO 7 FEET 8 INCHES LONG X 8 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB AT END BENT 2	2	Feet
✓ 107	Corrosion	BEAM REPAINTED PRIOR TO 2023 INSPECTION CYCLE	1	Feet
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM REPAINTED PRIOR TO 2023 INSPECTION CYCLE	1	Square Feet
	General Comments			

Span 2 Wearing Surface Asphalt Wearing Surface CS4 Element Total CS1 CS2 CS3 Element Name Number Qty Qty Qty Qty Qty 510 Wearing Surface 733 0 0 733 0 Square Feet Element Maint Defect Type **Defect Description** CS CS Qty Number Qty ✓ 510 Crack (Wearing TRANSVERSE CRACK UP TO FULL WIDTH X 1/4 3 19 19 Square Feet Surface) INCH WIDE AT END BENT 2 TRANSVERSE CRACKS UP TO FULL WIDTH X 1/8 INCH WIDE AT LESS THAN 1 FOOT SPACING ✓ 510 Crack (Wearing 3 714 714 Square Feet Surface) ALONG THE DECK BOARD EDGES THROUGHOUT

Spa	an 2	Left Bridg	e Rail					
Ste	el Rail							
	ement Imber Met	Element Name al Bridge Railing	Total Qty 41	CS1 Qty 41	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
515		el Protective Coating	41	41	0	0	0	Square Feet
Eleme Numb	Dofoot Tupo	Defect Des	cription		CS	CS Qty	Maint Qty	
<b>√</b> 330	Corrosion	RAIL HAS BEEN PAINTED PRIC	OR TO 2023		1			Square Feet
✓ 515	Effectiveness (Ste Protective Coating		OR TO 2023		1			Square Feet
	General Comment	S						

General Co	mments
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Span 2		Right Bridge Rail						
Steel Ra	ail							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing		41	41	0	0	0	Feet
515	Steel Protective Coating		41	41	0	0	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure Number:	<u>100154</u>
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1

1

<b>√</b> 330	Corrosion	RAIL HAS BEEN PAINTED PRIOR TO 2023 INSPECTION CYCLE
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	RAIL HAS BEEN PAINTED PRIOR TO 2023 INSPECTION CYCLE
	General Comments	

Square Feet

Spa Oth	n 2 er Bearing	Near Bea	aring					
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other E	Bearings	1	1	0	0	0	Each
515	Steel P	Protective Coating	1	1	0	0	0	Square Feet
Elemen Numbe	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 1 BEARING REPAINTE INSPECTION CYCLE	D PRIOR TO 2023		1			Each
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM 1 BEARING REPAINTE	D PRIOR TO 2023		1			Square Feet
-	General Comments							

Spa	an 2	Far Bear	ing					
Oth	ner Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	1	0	0	0	Each
515	Steel Pr	otective Coating	1	1	0	0	0	Square Feet
Eleme	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 1 BEARING REPAINTE INSPECTION CYCLE	D PRIOR TO 2023		1			Each
✔ 515	Effectiveness (Steel Protective Coatings)	BEAM 1 BEARING REPAINTE INSPECTION CYCLE	D PRIOR TO 2023		1			Square Feet
	General Comments							

Spa	an 2	Near Bear	ing					
Oth	ner Bearing							
Nu	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other E	Bearings	1	1	0	0	0	Each
515	Steel P	rotective Coating	1	1	0	0	0	Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 2 BEARING REPAINTED INSPECTION CYCLE	PRIOR TO 2023		1			Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	BEAM 2 BEARING REPAINTED INSPECTION CYCLE	PRIOR TO 2023		1			Square Feet
	General Comments							

Spa	an 2	Far Bear	ing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Ot	her Bearings	1	1	0	0	0	Each
515	Ste	eel Protective Coating	1	1	0	0	0	Square Feet
Elemer Numbe	Dofoot Tun	e Defect De	escription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 2 BEARING REPAINTE INSPECTION CYCLE	D PRIOR TO 2023		1		-	Each
✓ 515	Effectiveness (Si Protective Coatir		D PRIOR TO 2023		1			Square Feet
	General Commer	ate .						

**General Comments** 

Spa	an 2	Near Bear	ing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	1	0	0	0	Each
515	Steel Pr	otective Coating	1	1	0	0	0	Square Feet
Elemen Numbe	Dofact Type	Defect Des	cription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 3 BEARING REPAINTED INSPECTION CYCLE	PRIOR TO 2023		1			Each
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM 3 BEARING REPAINTED INSPECTION CYCLE	PRIOR TO 2023		1			Square Feet
	General Comments							

Span 2

### Far Bearing

Other Bearing

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	1	0	0	0	Each
515	Steel P	rotective Coating	1	1	0	0	0	Square Feet
Elemer Numbe	Dofoot Tuno	Defect Des	scription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 3 BEARING REPAINTED INSPECTION CYCLE	PRIOR TO 2023		1			Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	BEAM 3 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet

Span 2			Near Bearing						
Other Be	earing								
Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings		1	1	0	0	0	Each
515	Steel Pro	otective Coating		1	1	0	0	0	Square Feet
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 316 Corre	osion	BEAM 4 BEARING INSPECTION CYC	REPAINTED PRIOR TO	O 2023		1			Each

✓ 515

Effectiveness (Steel Protective Coatings)

General Comments

1

Spa	an 2		Far Bearing						
Oth	er Bearing								
Eler	ment			Total	CS1	CS2	CS3	CS4	
Nur	mber	Element Name		Qty	Qty	Qty	Qty	Qty	
316		Other Bearings		1	1	0	0		Each
515		Steel Protective Coating		1	1	0	0	0	Square Feet
Elemen	Dofoot T	vpe	Defect Description			CS	CS Qty	Maint	
Numbe <b>V</b> 316	Corrosion		REPAINTED PRIOR			1		Qty	Each
✓ 515	Effectiveness Protective Coa	(Steel BEAM 4 BEARING atings) INSPECTION CYC	REPAINTED PRIOR	TO 2023		1			Square Feet
	General Comm	nents							
Spa	an 2		Near Bearing						
Oth	er Bearing								
	ment nber	Element Name		Total	CS1	CS2	CS3	CS4	
316		Other Bearings		Qty 1	Qty 1	Qty 0	Qty 0	Qty 0	Each
515		Steel Protective Coating		1	1	0	0	0	Square Feet
Elemen Numbe		уре	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 5 BEARING	REPAINTED PRIOR	TO 2023		1			Each
✓ 515	Effectiveness Protective Coa		REPAINTED PRIOR	TO 2023		1			Square Feet
	General Comm	nents							
Spa	an 2		Far Bearing						
Oth	er Bearing								
	ment	Element Name		Total	CS1	CS2	CS3	CS4	
316	mber	Other Bearings		Qty 1	Qty 1	Qty 0	Qty 0	Qty 0	Each
515		Steel Protective Coating		1	1	0	0		Square Feet
Elemen Numbe		уре	Defect Description			CS	CS Qty	Maint Qty	
✓ 316	Corrosion		REPAINTED PRIOR	TO 2023		1		3.7	Each
•		INSPECTION CYC	CLE						

Near Bearing

Span 2
Other Bearing

в веания							
nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
Other Be	earings	1	1	0	0	0	Each
Steel Pr	otective Coating	1	1	0	0	0	Square Feet
Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
Corrosion	BEAM 6 BEARING REPAINTED	PRIOR TO 2023		1			Each
Effectiveness (Steel Protective Coatings)	BEAM 6 BEARING REPAINTED	PRIOR TO 2023		1			Square Feet
	Defect Type Corrosion Effectiveness (Steel	nent Iber Element Name Other Bearings Steel Protective Coating Defect Type Defect Des Corrosion BEAM 6 BEARING REPAINTED INSPECTION CYCLE Effectiveness (Steel BEAM 6 BEARING REPAINTED	hent Liber Element Name Qty Other Bearings 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion BEAM 6 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE Effectiveness (Steel BEAM 6 BEARING REPAINTED PRIOR TO 2023	hent ber Element Name Qty Qty Other Bearings 1 1 Steel Protective Coating 1 1 Defect Type Defect Description Corrosion BEAM 6 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE Effectiveness (Steel BEAM 6 BEARING REPAINTED PRIOR TO 2023	hent ber Element Name Other Bearings Steel Protective Coating Defect Type Corrosion BEAM 6 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE Effectiveness (Steel BEAM 6 BEARING REPAINTED PRIOR TO 2023 1	Total lber       Total Qty       CS1 Qty       CS2 Qty       Qty <td>hent ber Element Name Other Bearings Steel Protective Coating Total Qty Qty Qty Qty Qty Qty Qty Qty</td>	hent ber Element Name Other Bearings Steel Protective Coating Total Qty Qty Qty Qty Qty Qty Qty Qty

General Comments

Spa	in 2	Far Beari	ng					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	1	0	0	0	Each
515	Steel P	rotective Coating	1	1	0	0	0	Square Feet
Elemen Numbe	Dofact Type	Defect De	scription		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 6 BEARING REPAINTED	D PRIOR TO 2023		1			Each
✔ 515	Effectiveness (Steel Protective Coatings)	BEAM 6 BEARING REPAINTED	D PRIOR TO 2023		1			Square Feet
-	General Comments							

Span 2

### Near Bearing

Other Bearing

	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	1	0	0	0	Each
515	Steel Pr	otective Coating	1	1	0	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 316	Corrosion	BEAM 7 BEARING REPAINTED F INSPECTION CYCLE	RIOR TO 2023		1			Each
✔ 515	Effectiveness (Steel Protective Coatings)	BEAM 7 BEARING REPAINTED F INSPECTION CYCLE	RIOR TO 2023		1			Square Feet
	0							

Span 2		Fai	r Bearing						
Other Be	earing		Ŭ						
Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bea	arings		1	1	0	0	0	Each
515	Steel Pro	tective Coating		1	1	0	0	0	Square Feet
Element Number	Defect Type	D	efect Description			CS	CS Qty	Maint Qty	
✓ 316 Corro	osion	BEAM 7 BEARING REF	PAINTED PRIOR TO	D 2023		1			Each

✓ 515

Effectiveness (Steel Protective Coatings)

General Comments

BEAM 7 BEARING REPAINTED PRIOR TO 2023 INSPECTION CYCLE

1

Spa	an 2	Nea	Bearing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		er Bearings	1	1	0	0		Each
515	Ste	el Protective Coating	1	1	0	0	0	Square Feet
Elemer	Defect Turk	e Def	ect Description		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 8 BEARING REPA	NINTED PRIOR TO 2023		1		,	Each
<b>√</b> 515	Effectiveness (Ste Protective Coating		NINTED PRIOR TO 2023		1			Square Feet
	General Commen	is						
Spa	an 2	Far	Bearing					
•	er Bearing		5					
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Oth	er Bearings	1	1	0	0 <sup>°</sup>	-	Each
515	Ste	el Protective Coating	1	1	0	0	0	Square Feet
Elemer	Defect Turk	e Def	ect Description		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 8 BEARING REPA	NINTED PRIOR TO 2023		1			Each
✓ 515	Effectiveness (Ste Protective Coating		NINTED PRIOR TO 2023		1			Square Feet
	General Commen	is						
Spa	an 2	Nea	Bearing					
Oth	ner Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Oth	er Bearings	1	1	0	o		Each
515	Ste	el Protective Coating	1	1	0	0	0	Square Feet
Elemer Numbe		e Def	ect Description		CS	CS Qty	Maint Qty	
<b>√</b> 316	Corrosion	BEAM 9 BEARING REPA	NINTED PRIOR TO 2023		1			Each
<b>√</b> 515	Effectiveness (Ste Protective Coating	el BEAM 9 BEARING REPA	NINTED PRIOR TO 2023		1			Square Feet
	Canaral Camman							

Spa	an 2	Far B	earing					
Oth	ner Bearing							
	ement mber Other B	Element Name earings	Total Qty 1	CS1 Qty 1	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	
515	Steel P	rotective Coating	1	1	0	0	0	Square Feet
Elemer	Defe et Ture e	Defec	t Description		CS	CS Qty	Maint	
Numbe √ 316	Corrosion	BEAM 9 BEARING REPAIR			1		Qty	Each
✓ 515	Effectiveness (Steel Protective Coatings)	BEAM 9 BEARING REPAIR	NTED PRIOR TO 2023		1			Square Feet
	General Comments							
End	d Bent 1	Abutn	nent					
Rei	inforced Concrete	Abutment						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	30	0	30	0	0	Feet
Elemer	Dofoot Typo	Defec	t Description		CS	CS Qty	Maint Qty	
<b>√</b> 215	Patched Area	REPAIR PATCH AREA UP FEET HIGH X 7 INCHES T			2	26		Feet
<b>√</b> 215	Scour	UNDERMINE (UP TO 2 FE LONG) TO ROCK AT NEA (UNDERMINE DOES NOT WALL)	R RIGHT EXTENSION		2	4		Feet
<b>√</b> 215	Cracking (RC and Other)	REPAIR PATCH AREA UP FEET HIGH X 7 INCHES T OTHER DEFECTS 2023 IN	HICK (COMBINED WITH		1			Feet
	General Comments							
Ber	nt 1	Cap 1						
Rei	inforced Concrete	Pier Cap						
	ement mber Reinfor	Element Name ced Concrete Pier Cap	Total Qty 19	CS1 Qty 0	CS2 Qty 19	CS3 Qty 0	CS4 Qty 0	
Eleme		Defec	t Description		CS	CS Qty	Maint	
Numbe <b>2</b> 34	Cracking (RC and Other)	MAP CRACKING UP TO IN LENGTH X FULL WIDTH X INCH WIDE IN THE NORT	TERMITTENT FULL		2	18	Qty	Feet
<b>√</b> 234	Delamination/Spall	SPALLED AREA UP TO 3 INCHES HIGH X 1 INCH D FACE BELOW BEAM 4			2	1		1 Feet

#### Bent 1

#### Reinforced Concrete Column

Elen Num 205	nber	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 E	Each
Elemen Number	Defect Tune	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 205	Delamination/Spall	SPALLED AREA UP TO 6 INCHES LONG WIDE X 4 FEET HIGH WITH EXPOSED REINFORCEMENT IN THE NORTHWES 4 FEET BELOW CAP	-		3	1	4	Each
<b>√</b> 205	Delamination/Spall	SPALLED AREA UP TO 6 INCHES LONG INCHES WIDE X 1 FOOT HIGH IN THE NORTHEAST CORNER, 3 FEET BELOW			3		1	Each
<b>√</b> 205	Abrasion/Wear (PSC/RC)	4-12-2022 UNDERWATER ABRASION T	O 1/2 INCH		2			Each
<b>√</b> 205	Cracking (RC and Other)	MAP CRACKING UP TO FULL LENGTH HEIGHT X 1/32 INCH WIDE IN THE NOF SOUTH FACES			2			Each
<b>√</b> 205	Delamination/Spall	4-12-2022 UNDERWATER SPALLING TO AND EAST FACE OF BENT 1 AT AND B WATERLINE 34 INCHES HIGH X 24 INC X 3 INCHES TO 5 INCHES DEEP.	ELOW		2		12	Each
<b>√</b> 205	Scour	SCOUR AREA WITH FOOTING EXPOSE FEET LONG X 1 FOOT HIGH WITH NO UNDERMINING IN THE WEST AND SOU			2			Each

General Comments

End	Bent 1	Cap 1						
Reir	nforced Concrete	Pier Cap						
	ment nber Reinforc	Element Name ed Concrete Pier Cap	Total Qty 30	CS1 Qty 30	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Feet	
Elemen Numbe	Dofact Type	Defect Description	วท		CS	CS Qty	Maint Qty	
<b>√</b> 234	Cracking (RC and Other)	2X VERTICAL CRACKING (HAIRLINE HEIGHT ) TO FACE UNDER BAYS 1 A (REPAIRED WITH ABUTMENT PATCH INSPECTION CYCLE, SEE ABUTMEN	AND 4 H 2023		1		Feet	
<b>√</b> 234	Delamination/Spall	SPALL (8 INCHES LONG X 4 INCHES INCH DEEP) WITH NO EXPOSED RE UNDER BEAM 9 (REPAIRED WITH AF PATCH 2023 INSPECTION CYCLE, SI ABUTMENT NOTE)	BAR TO FACE BUTMENT		1		Feet	
234	Patched Area	DELAMINATED PATCHING (UP TO 6 HIGH) THROUGHOUT TOP CORNER UNDER BAYS 1 TO 3 & BAYS 4 TO 6 WITH ABUTMENT PATCH 2023 INSP CYCLE, SEE ABUTMENT NOTE)	OF CAP (REPAIRED		1		Feet	

nt

End Bent 2 I

Abu	tmen
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Masonry Abutment	
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	nent nber Masonry	Element Name Abutments	Total Qty 30	CS1 Qty 0	CS2 Qty 30	CS3 Qty 0	CS4 Qty 0 Feet	
Elemen Number	Dofact Type	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 217	Patched Area (Masonry)	REPAIR PATCH AREA UP TO FULL LEN FEET HIGH X 6 INCHES THICK	NGTH X 6		2	29	Feet	
217	Split/Spall (Masonry)	SPALLED AREA UP TO 9 INCHES LONG INCHES HIGH X 2 INCHES DEEP BELO THE BACKWALL			2	1	Feet	
<b>√</b> 217	Patched Area (Masonry)	REPAIR PATCH AREA UP TO FULL LEN FEET HIGH X 6 INCHES THICK (COMBI OTHER DEFECTS 2023 INSPECTION C	NED WITH		1		Feet	
✓ 217	Split/Spall (Masonry)	REPAIR PATCH AREA UP TO FULL LEN FEET HIGH X 6 INCHES THICK (COMBI OTHER DEFECTS 2023 INSPECTION C	NED WITH		1		Feet	

### **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	773
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	40
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	733
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Timber Deck	Timber Deck	765
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	Beam 5	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	40
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	733
Span 2	Near Bearing	Other Bearing	Other Bearings	1

### **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	19
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	30
End Bent 2	Abutment	Masonry Abutment	Masonry Abutments	30

**General Inspection Notes** 

# National Bridge and NC Inspection Items

Structure Number: 100154

Inspection Date: 01/05/2023

#### National Bridge Inventory Items

			1
Item	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	7	N
Item 59: Superstructure	0 - 9 , N	5	lte in
Item 60: Substructure	0 - 9 , N	5	
Item 61: Channel and Channel Protection	0 - 9 , N	6	F S
Item 62: Culvert	0 - 9 , N	Ν	
Item 71: Waterway Adequacy	0 - 9 , N	6	
Item 72: Approach Roadway Alignment	0 - 9 , N	6	]

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

For overall NBI coding grade, see cover sheet.

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

NC SMU Inspection Items

ltem	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C	G		
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C	F		
Wingwall	G, F, P, or C		0	3350
Field Scour Evaluation		U		
Drift	G, F, P, or C	F	4	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		A		

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	8
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	Y

# National Bridge and NC SMU Inspection Item Details

e Numb	ber: 100154			Inspection Date: 0
Item	Channel and Channel Protection - Item 61	Grade 6	Maint Code	Qty. 0
Details	SCOUR HOLE UP TO 20 FEET DIAMETER X 3 FEET SCOUR AREA WITH FOOTING EXPOSED UP TO 2 F WEST AND SOUTH FACES			
ltem	Sign Notice Issued	Grade Y	Maint Code	Qty. 0
Details	SOUTHEAST NARROW BRIDGE SIGN IS DEFACED WITH PAINT (PRIORITY ACTION REQUEST)			
Item	Drift	Grade F	Maint Code 3366	Qty. 4
Details	s DRIFT UP TO 2 FEET DIAMETER X 30 FEET LONG AT THE UPSTREAM END OF BENT 1			
Item	Utilities	Grade G	Maint Code	Qty. 0
Details	s (1) 3/4 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT UTILITY ALONG THE WEST OVERHANG			
Item	Scour	Grade F	Maint Code	Qty. 0
Details	S SCOUR HOLE UP TO 20 FEET DIAMETER X 3 FEET DEEP AT THE EAST END OF END BENT 2 SCOUR AREA WITH FOOTING EXPOSED UP TO 2 FEET LONG X 1 FOOT HIGH WITH NO UNDERMINING IN THE WEST AND SOUTH FACES			
Item	General Comments and Misc Items	Grade	Maint Code	Qty. 0
Details	(2) LONGITUDINAL CRACKS UP TO INTERMITTENT APPROACH AT END BENT 2 MAP CRACKING UP TO INTERMITTENT FULL WIDT SOUTH APPROACH AT END BENT 1			
Item	Portion of structure in > 3' of water (Y or N)	Grade Y	Maint Code	Qty. 0
Dotoilo	WEST END OF BENT 1 IS IN APPROXIMATELY 5 FE			

Date: 01/05/2023



(2) LONGITUDINAL CRACKS UP TO INTERMITTENT 40 FEET LONG IN THE NORTHBOUND LANE OF THE NORTH APPROACH AT END BENT 2



Span 2 Wearing Surface: TRANSVERSE CRACKS UP TO FULL WIDTH X 1/8 INCH WIDE AT LESS THAN 1 FOOT SPACING ALONG THE DECK BOARD EDGES THROUGHOUT



Span 2 Wearing Surface: TRANSVERSE CRACK UP TO FULL WIDTH X 1/4 INCH WIDE AT END BENT 2



Span 1 Wearing Surface: TRANSVERSE CRACK UP TO FULL WIDTH X 1/4 INCH WIDE AT END BENT 1

Date: 01/05/2023

**Condition Photos** 



Span 2 Right Bridge Rail: RAIL HAS BEEN PAINTED PRIOR TO 2023 INSPECTION CYCLE



Span 1 Right Bridge Rail: IMPACT DAMAGE UP TO 2 FEET LONG WITH HOLE UP TO 3 INCHES LONG X 1 INCH HIGH IN THE SOUTH END TERMINAL (PRIORITY ACTION REQUEST)

Date: 01/05/2023



SOUTHEAST NARROW BRIDGE SIGN IS DEFACED WITH PAINT (PRIORITY ACTION REQUEST)



MAP CRACKING UP TO INTERMITTENT FULL WIDTH X GREATER THAN 150 FEET LONG X 1/8 INCH WIDE IN THE SOUTH APPROACH AT END BENT 1

Structure: 100154

County: BUNCOMBE

Date: 01/05/2023

**Condition Photos** 



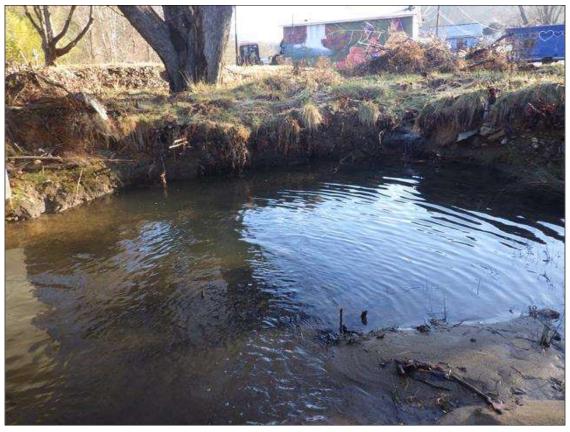
Span 1 Right Bridge Rail: MISSING (1) ANCHOR BOLT AT POST 3 (PRIORITY ACTION REQUEST)



Span 1 Right Bridge Rail: MISSING (3) ANCHOR BOLTS AT POST 5 (PRIORITY ACTION REQUEST)

Date: 01/05/2023

# **Condition Photos**



SCOUR HOLE UP TO 20 FEET DIAMETER X 3 FEET DEEP AT THE EAST END OF END BENT 2



End Bent 2 Abutment: REPAIR PATCH AREA UP TO FULL LENGTH X 6 FEET HIGH X 6 INCHES THICK



Span 2 Beam 1: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023



Span 2 Beam 2: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023

## **Condition Photos**



Span 2 Beam 3: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023



Span 2 Beam 4: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE



Span 2 Beam 5: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

**Condition Photos** 



Span 2 Beam 6: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023

**Condition Photos** 



Span 2 Beam 7: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023

**Condition Photos** 



Span 2 Beam 8: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

**Condition Photos** 



Span 2 Beam 9: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE (PRIORITY ACTION REQUEST)

Date: 01/05/2023

**Condition Photos** 



Span 2 Beam 9: ACTIVE CORROSION UP TO 7 FEET 8 INCHES LONG X FULL WIDTH WITH 3/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 2 (PRIORITY ACTION REQUEST)

Date: 01/05/2023



Span 2 Beam 9: ARRESTED CORROSION UP TO 7 FEET 8 INCHES LONG X 8 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB AT END BENT 2

Date: 01/05/2023

#### **Condition Photos**



Span 2 Beam 8: ARRESTED CORROSION UP TO 1 FOOT 6 INCHES LONG X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 2

Date: 01/05/2023



Span 2 Beam 8: ARRESTED CORROSION UP TO 1 FOOT 6 INCHES LONG X 4 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB AT END BENT 2

Date: 01/05/2023



Span 2 Beam 7: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE

Date: 01/05/2023



Span 2 Beam 6: ARRESTED CORROSION UP TO FULL LENGTH X INTERMITTENT FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE

Date: 01/05/2023

## **Condition Photos**



Span 2 Beam 6: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 6 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB

Date: 01/05/2023



End Bent 2 Abutment: SPALLED AREA UP TO 9 INCHES LONG X 6 INCHES HIGH X 2 INCHES DEEP BELOW BAY 6 IN THE BACKWALL



Span 2 Beam 5: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X INTERMITTENT FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE

## **Condition Photos**



Span 2 Beam 5: ARRESTED CORROSION UP TO FULL LENGTH X 6 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB

## **Condition Photos**



Span 2 Beam 4: ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE



Span 2 Beam 3: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE



Span 2 Beam 2: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE

Date: 01/05/2023

**Condition Photos** 



Span 2 Beam 1: ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE

Date: 01/05/2023



Span 2 Beam 1: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 6 INCHES HIGH WITH 1/32 INCH SECTION LOSS IN THE WEB



Span 2 Beam 2: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 8 INCHES HIGH WITH 1/32 INCH SECTION LOSS IN THE WEB

Date: 01/05/2023



Span 2 Beam 3: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X INTERMITTENT FULL HEIGHT WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB

Date: 01/05/2023

**Condition Photos** 



Span 2 Beam 4: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 8 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB

Date: 01/05/2023



Span 2 Beam 6: REPAIR ANGLE UP TO 1 FOOT LONG X 4 INCHES WIDE X 4 INCHES HIGH IN BAY 6 INTERMEDIATE DIAPHRAGM



Span 2 Beam 2: REPAIR ANGLE UP TO 1 FOOT LONG X 4 INCHES WIDE X 4 INCHES HIGH IN BAY 2 INTERMEDIATE DIAPHRAGM

Date: 01/05/2023

**Condition Photos** 



BEAM 6 BEARING AT BENT 1 REPAINTED PRIOR TO 2023 INSPECTION CYCLE (OTHERS SIMILAR)



Span 1 Beam 6: CORROSION UP TO 1 FOOT 10 INCHES LONG X 8 INCHES HIGH WITH 1/32 INCH SECTION LOSS IN THE WEB AT BENT 1

Date: 01/05/2023

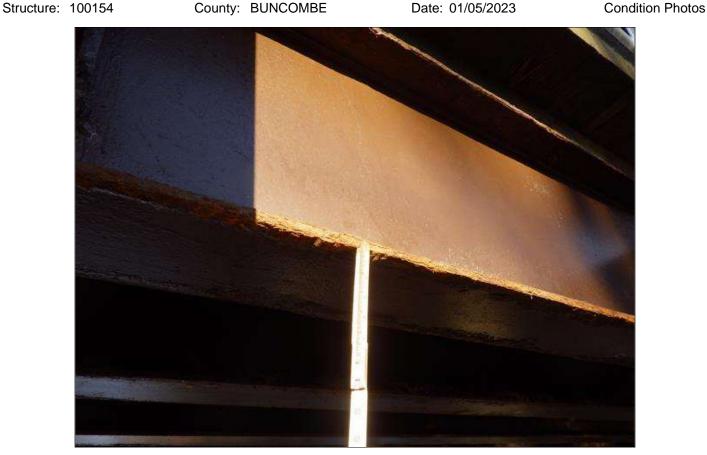
## **Condition Photos**



Span 2 Beam 9: ARRESTED CORROSION UP TO 16 FEET 9 INCHES LONG X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT BENT 1 (PRIORITY ACTION REQUEST) 

 Structure:
 100154
 County:
 EUNCOMBE
 Date:
 0.1005/2023
 Condition Photos

Span 2 Beam 9: ARRESTED CORROSION UP TO 32 FEET 4 INCHES INCHES LONG X 5 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB AT BENT 1



Span 2 Beam 9: ARRESTED CORROSION UP TO 15 FEET 7 INCHES LONG X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT BENT 1

Date: 01/05/2023

#### **Condition Photos**



DRIFT UP TO 2 FEET DIAMETER X 30 FEET LONG AT THE UPSTREAM END OF BENT 1



Bent 1 Pile 1: SPALLED AREA UP TO 6 INCHES LONG X 5 INCHES WIDE X 1 FOOT HIGH IN THE NORTHEAST CORNER, 3 FEET BELOW CAP

Date: 01/05/2023



Bent 1 Pile 1: MAP CRACKING UP TO FULL LENGTH X FULL HEIGHT X 1/32 INCH WIDE IN THE NORTH AND SOUTH FACES



Bent 1 Pile 1: SPALLED AREA UP TO 6 INCHES LONG X 2 FEET WIDE X 4 FEET HIGH WITH EXPOSED REINFORCEMENT IN THE NORTHWEST CORNER, 4 FEET BELOW CAP

### **Condition Photos**



Bent 1 Cap 1: MAP CRACKING UP TO INTERMITTENT FULL LENGTH X FULL WIDTH X FULL HEIGHT X 1/32 INCH WIDE IN THE NORTH AND SOUTH FACES



Bent 1 Cap 1: SPALLED AREA UP TO 3 INCHES LONG X 2 INCHES HIGH X 1 INCH DEEP IN THE NORTH FACE BELOW BEAM 4

Date: 01/05/2023



Span 1 Beam 9: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE



Span 1 Beam 9: ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE



Span 1 Beam 8: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X INTERMITTENT FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE

Date: 01/05/2023

#### **Condition Photos**



Span 1 Beam 8: ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Structure: 10154 County: BUNCOMBE Date: 01/05/2023 Condition Photos

Span 1 Beam 7: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X INTERMITTENT FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE

Date: 01/05/2023

**Condition Photos** 



Span 1 Beam 7: ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023



Span 1 Beam 6: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X INTERMITTENT FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE

**Condition Photos** 



Span 1 Beam 6: ARRESTED CORROSION UP TO FULL LENGTH X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE

Date: 01/05/2023

**Condition Photos** 



Span 1 Beam 5: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 1 INCH WIDE WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE TOP FLANGE EDGES



Span 1 Beam 9: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 5 INCHES HIGH WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB

Date: 01/05/2023



Span 1 Beam 8: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X 8 INCHES HIGH WITH 1/32 INCH SECTION LOSS IN THE WEB



End Bent 1 Abutment: REPAIR PATCH AREA UP TO FULL LENGTH X 3 FEET HIGH X 7 INCHES THICK

Date: 01/05/2023



Span 1 Beam 1: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE



Span 1 Beam 2: ARRESTED CORROSION UP TO 4 FEET 6 INCHES LONG X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1

Date: 01/05/2023



Span 1 Beam 2: ARRESTED CORROSION UP TO FULL LENGTH X 1 INCH WIDE WITH 1/32 INCH SECTION LOSS IN THE TOP FLANGE EDGES

**Condition Photos** 



Span 1 Beam 1: ARRESTED CORROSION UP TO FULL LENGTH X FULL HEIGHT WITH 5/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE WEB

Date: 01/05/2023

**Condition Photos** 



Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT IN BEAM 2 BEARING (PRIORITY ACTION REQUEST)



Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT NUT IN BEAM 3 BEARING (PRIORITY ACTION REQUEST)

Date: 01/05/2023

**Condition Photos** 



Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT AND ANCHOR BOLT NUT IN BEAM 4 BEARING (PRIORITY ACTION REQUEST)



Span 1 Near Bearing: MISSING LEFT ANCHOR BOLT IN BEAM 5 BEARING (PRIORITY ACTION REQUEST)



Span 1 Beam 3: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE TOP FLANGE

Date: 01/05/2023

**Condition Photos** 



Span 1 Beam 3: ACTIVE CORROSION UP TO 1 FOOT 4 INCHES LONG X FULL WIDTH WITH 3/8 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, GREATER THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 1 (PRIORITY ACTION REQUEST)

Date: 01/05/2023



Span 1 Beam 6: ARRESTED CORROSION UP TO 3 FEET 4 INCHES LONG X FULL WIDTH WITH 7/16 INCH REMAINING (GREATER THAN OR EQUAL TO 1/16 INCH SECTION LOSS, LESS THAN 25 PERCENT SECTION LOSS) IN THE BOTTOM FLANGE AT END BENT 1

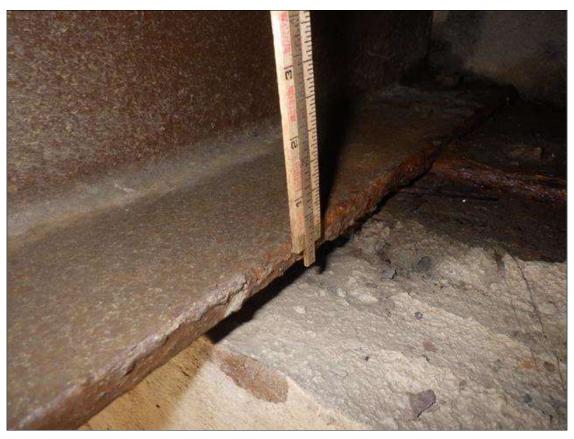


Span 1 Beam 4: ARRESTED CORROSION UP TO INTERMITTENT FULL LENGTH X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE TOP FLANGE



Span 1 Beam 4: ARRESTED CORROSION UP TO 2 FEET LONG X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1

Date: 01/05/2023



Span 1 Beam 5: ARRESTED CORROSION UP TO 1 FOOT 6 INCHES LONG X FULL WIDTH WITH 1/32 INCH SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1



Span 1 Beam 7: (2) REPAIR PLATES UP TO 2 FEET 6 INCHES LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE BOTTOM LEFT FLANGE AND 3 FEET 4 INCHES LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE BOTTOM RIGHT FLANGE AT END BENT 1

Date: 01/05/2023

**Condition Photos** 



Span 1 Beam 7: (2) REPAIR PLATES UP TO 2 FEET 6 INCHES LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE BOTTOM LEFT FLANGE AND 3 FEET 4 INCHES LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE BOTTOM RIGHT FLANGE AT END BENT 1



Span 1 Beam 9: (4) REPAIR PLATES (1) UP TO 3 FEET LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE LEFT BOTTOM FLANGE, (2) UP TO 2 FEET LONG X 7 INCHES HIGH X 3/4 INCH THICK IN THE LEFT AND RIGHT SIDES OF THE WEB, AND (1) UP TO 4 FEET LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE RIGHT BOTTOM FLANGE AT END BENT 1

Date: 01/05/2023

#### **Condition Photos**



Span 1 Beam 9: (4) REPAIR PLATES (1) UP TO 3 FEET LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE LEFT BOTTOM FLANGE, (2) UP TO 2 FEET LONG X 7 INCHES HIGH X 3/4 INCH THICK IN THE LEFT AND RIGHT SIDES OF THE WEB, AND (1) UP TO 4 FEET LONG X 3 1/2 INCHES WIDE X 1/2 INCH THICK IN THE RIGHT BOTTOM FLANGE AT END BENT 1 Structure: 10154 County: BUNCOMBE Date: 01/05/2023 Condition Photos

Span 1 Left Bridge Rail: REPAIR PLATE UP TO 8 INCHES WIDE X 6 INCHES HIGH X 1/2 INCH THICK IN THE 2ND SPACER BLOCK FROM END BENT 1

# Stream Bed Soundings (Profile diagram on following sheet)

BUNCOMBE County

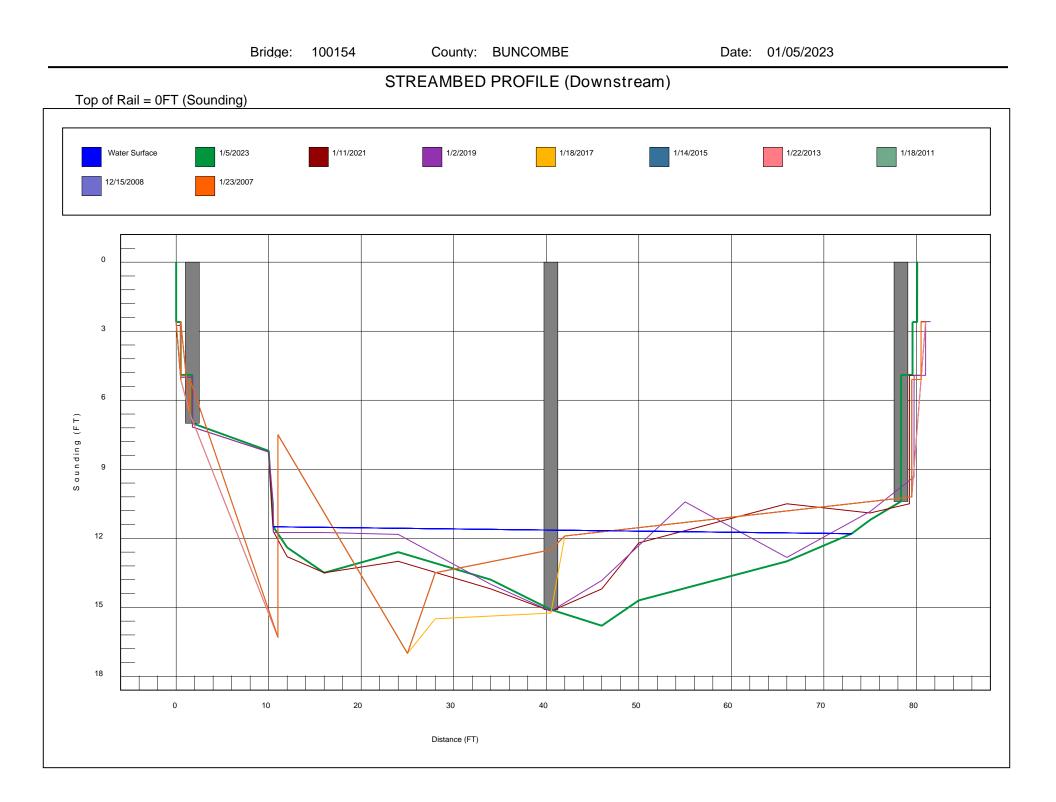
Structure Number: 100154

Sounding Date 01/05/2023

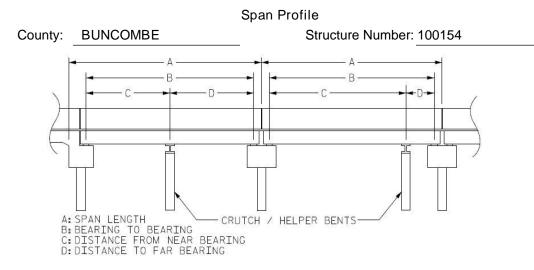
Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance 5.1 Location of Highwater Mark DEBRIS ON END BENT 2

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	0.000	0.000	BEGIN STATION
0.001	2.600	0.000	TOP OF FILL FACE
0.500	2.600	0.000	TOP OF FILL FACE
0.501	4.900	0.000	TOP OF CAP
1.750	4.900	0.000	TOP OF CAP
1.751	7.000	13.200	FACE OF ABUTMENT 1
10.000	8.200	0.000	TOP OF BEDROCK
10.500	11.500	0.000	WATER SURFACE / WATER EDGE (WSWE)
12.000	12.400	0.000	STREAMBED
16.000	13.500	0.000	STREAMBED
24.000	12.600	0.000	STREAMBED
34.000	13.800	0.000	STREAMBED
40.500	15.100	11.200	BENT 1
46.000	15.800	0.000	STREAMBED
50.000	14.700	0.000	STREAMBED
66.000	13.000	0.000	STREAMBED
73.000	11.800	0.000	WATER SURFACE / WATER EDGE (WSWE)
75.000	11.200	0.000	GROUND LINE
78.332	10.400	10.300	FACE OF ABUTMENT 2
78.333	4.900	0.000	TOP OF CAP
79.582	4.900	0.000	TOP OF CAP
79.583	2.600	0.000	TOP OF FILL FACE
80.082	2.600	0.000	TOP OF FILL FACE
80.083	0.000	0.000	END STATION



## Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.042	39.667			
2	40.042	39.667			

B	ridge Inspe	ection	Field Sk	etch
Roadway	18.5ft Wide	2 Paved La	nes Loo	king North
Left Shoulder	2ft Wide		2ft	Unpaved
Right Shoulder	2ft Wide		2ft	Unpaved
Left Guardrail				
Right Guardrail				
MEASUREMENTS	5 TAKEN 70 FEET SOUTH OF STF	RUCTURE		
MEASUREMENTS VERIFIE	D BY RFD ON 1/05/2023			
Title APPROACH ROADWAY		Description TYPICAL S	SECTION	
Structure No: 100154	Drawn By: RFD		Date: 1/5/2023	Filename: S001098000171.wes

	Г										
		Deck Width/			19.083ft	Betwee				18.083ft	
		Clear Roadw			18.083ft	2 K	g Surface			4in	
		Median Widt				Median	Height				
		Curb Height				Left		Rig			
		Sidewalk Wi				Left	-	Rig			
$\neg \neg$			ay (Rail to №	ledian)		Left	2 5	Rig		• •	
5		Guardrail Wi			_	Left	3.5in		ht 3.5		3
2		Top of Rail t Bridge Rail T	o Deck/Wea	ring Surface	5	Left Left	2.5ft Type 25		ht 2.5 ht Typ	nt De 25	ž
					L						
1) 3/4 INCH [	Me De	easurements eck Thicknes	s for Span #		UIT UTIL 1 3.75in 5.1875ft	Left C	)verhang Overhang			 1ft 1ft	
	Beam #		Poom	Tuno		Width	Height	Chasing		From	
		Plate Girder	Beam	туре		8.25in	20.75in	Spacing 1ft	Loft Ec	lge of Deck	
		Plate Girder				8.25in	20.75in	2.145ft	Beam		
								2.145ft	Beam		
	3	Plate Girder				8.25in	20.7511				
		Plate Girder Plate Girder				8.25in 8.25in			Beam		
	4						20.75in	2.167ft	Beam Beam	3	
	4 5	Plate Girder				8.25in		2.167ft 2.145ft		3	
	4 5 6	Plate Girder Plate Girder				8.25in 8.25in	20.75in 20.75in	2.167ft 2.145ft 2.145ft	Beam	3 4 5	
	4 5 6 7	Plate Girder Plate Girder Plate Girder	- - -			8.25in 8.25in 8.25in	20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft	Beam Beam	3 4 5 6	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder	· · ·			8.25in 8.25in 8.25in 8.25in	20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft	Beam Beam Beam	3 4 5 5 7	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	· · ·			8.25in 8.25in 8.25in 8.25in 8.25in	20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft	Beam Beam Beam Beam	3 4 5 5 7	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	· · · ·	ALL BE/		8.25in 8.25in 8.25in 8.25in 8.25in	20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft	Beam Beam Beam Beam	3 4 5 5 7	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	· · ·	ALL BE/ 20 3/4 IN		8.25in 8.25in 8.25in 8.25in 8.25in	20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft	Beam Beam Beam Beam	3 4 5 5 7	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	· · · ·	20 3/4 IN	ICHES H	8.25in 8.25in 8.25in 8.25in 8.25in 8.25in 8.25in	20.75in 20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft 2ft	Beam Beam Beam Beam	3 4 5 5 7	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	DEPTH	20 3/4 IN	ICHES H	8.25in 8.25in 8.25in 8.25in 8.25in 8.25in 8.25in	20.75in 20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft 2ft	Beam Beam Beam Beam	3 4 5 5 7	
	4 5 6 7 8	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	DEPTH FLANGE WEB	20 3/4 IN 8 1/4 INC 3/8 INCH	ICHES H CHES WI I THICK	8.25in 8.	20.75in 20.75in 20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft 2ft	Beam Beam Beam Beam	3 4 5 5 7	
MEASUREMEN	4 5 6 7 8 9	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	DEPTH FLANGE WEB SHIM	20 3/4 IN 8 1/4 INC 3/8 INCH 8 1/4 INC	ICHES H CHES WI I THICK	8.25in 8.	20.75in 20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft 2ft	Beam Beam Beam Beam	3 4 5 5 7	
MEASUREMEN tle JPERSTRUCTL	4 5 6 7 8 9	Plate Girder Plate Girder Plate Girder Plate Girder Plate Girder	DEPTH FLANGE WEB SHIM	20 3/4 IN 8 1/4 INC 3/8 INCH 8 1/4 INC	ICHES H CHES WI I THICK	8.25in 8.	20.75in 20.75in 20.75in 20.75in 20.75in 20.75in 20.75in	2.167ft 2.145ft 2.145ft 2.167ft 2.167ft 2ft HICK	Beam Beam Beam Beam	3 4 5 5 7	

<b>Bridge Inspection</b>	Field	Sketch
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Caps												
#	Name	Туре		Lei	ength Width		:h	Height	Left Beam to End of Cap		Right Beam to End of Cap	
1	Cap 1	Reinfo	orced Concrete Pier Cap	18	.417ft	24in		24in	0.833ft		0.833ft	
Piles												
#	Name		Туре		Spacing	3	From			Height/Diam	Width	Length
1	Pile 1		Reinforced Concrete Colum	n	9.209ft		Left E	End of Bent		215in	24in	9ft

## 4/12/2022 UNDERWATER INSPECTED BENT FROM MUDLINE TO WATERLINE

MEASUREMENTS VERIFIED BY RFD ON 1/05/2023										
Title SUBSTRUCTURE				Description SUBSTRUCTURE						
Structure No: 100154	Drawn By:	JONATHAN OWENS		Date:	4/12/2022	Filename:	S000450000006.wes			

Bridge Inspection Field Sketch								
		NORTH						
		ABUTMENT 2						
	I	FLOW: EAST TO W	EST					
WEST WD= 4'-6	n	BENT 1			WD= 2'-6"	EAST		
ABUTMENT 1								
		SOUTH						
Title PLAN VIEW		Descrip PLAN	tion VIEW					
Structure No: 100154	Drawn By: JOHN HOL		Date:	4/12/2022	Filename: S00045000	0002.wes		

Structure: 100154

County: BUNCOMBE

Date: 01/05/2023

Structure Photos



NORTH APPROACH LOOKING SOUTH



NORTHWEST NARROW BRIDGE SIGN AT BRIDGE

Date: 01/05/2023

Structure Photos



WEST BRIDGE RAIL (EAST SIMILAR)



END BENT 2 TO NORTH APPROACH TRANSITION

Date: 01/05/2023

## Structure Photos



LOOKING UPSTREAM EAST



LOOKING DOWNSTREAM WEST

Date: 01/05/2023



SOUTH APPROACH LOOKING NORTH



SOUTHEAST NARROW BRIDGE SIGN APPROXIMATELY 200 FEET SOUTH OF BRIDGE



SOUTH APPROACH TO END BENT 1 TRANSITION



SPAN 1 ASPHALT WEARING SURFACE (OTHERS SIMILAR)

Date: 01/05/2023



**BENT 1 ELEVATION** 



SPAN 2 SUPERSTRUCTURE

Date: 01/05/2023

Structure Photos



END BENT 1 ELEVATION



SPAN 1 SUPERSTRUCTURE

Structure: 100154

County: BUNCOMBE

Date: 01/05/2023

Structure Photos



EAST ELEVATION LOOKING WEST



NORTHWEST MASONRY WINGWALL (OTHERS SIMILAR)

Structure: 100154

County: BUNCOMBE

Date: 01/05/2023

Structure Photos



(1) 3/4 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT UTILITY ALONG THE WEST OVERHANG



BAY 7 INTERMEDIATE DIAPHRAGM (OTHER SIMILAR)

Date: 01/05/2023



BEAM 4 BEARINGS AT BENT 1 IN SPANS 1 AND 2 (OTHERS SIMILAR AT BENT 1)



BEAM 7 BEARING AT END BENT 2 (OTHERS SIMILAR AT END BENTS)

Date: 01/05/2023



BEAM 8 BEARING AT END BENT 2 REPAINTED PRIOR TO 2023 INSPECTION CYCLE (OTHERS SIMILAR, OTHERS AT END BENT 1 SIMILAR)



WEST ELEVATION LOOKING EAST