NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: TEMPORARY REPAIRS, PRIORITY MAINTENANCE, NEW WEARING SURFACE, LT BR RAIL REPAIRED, NBI RATING CHANGED - ITEM 58 & 59, CHANGE IN PRESENT CONDITION, CHANGE IN APPROACH ROADWAY, CHANGE IN TYPICAL SECTION DIMENSIONS, CHANGE IN SUBSTRUCTURE SKETCH, NEWLY STRUCTURALLY DEFICIENT.

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: RUTHERFORD **STRUCTURE NUMBER:** 800088 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1793 **MILE POST:**

LOCATION: 0.5 MI.W.JCT.SR1762

FEATURE INTERSECTED: WEST FORK SANDY RUN CREEK

LATITUDE: 35° 20' 54.79" **LONGITUDE:** 81° 43' 36.32"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS (BMD-8 8A-24)

SUBSTRUCTURE: E.BTS:TIM CAPS/TIM.PILES:BTS:TIM.CAPS/TIM.POST&CONC.SILLS

1 @ 30'-6" ; 1 @ 29'-6"; 1 @ 30'-6"

SPANS: 1 @ 30'-6 ; 1 @ 29'-6; 1 @ 30'-6

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☑ SCOUR PLAN OF ACTION

PRESENT CONDITION: Poor **INSPECTION DATE:** 04/04/2017

POSTED SV: 17 **POSTED TTST:** 21

OTHER SIGNS PRESENT: (4) DELINEATORS, (2) WEIGHT LIMIT



Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
NO	**DELINEATORS**	0
NO	**NARROW BRIDGE**	0
NO	**ONE LANE BRIDGE**	0
NO	**LOW CLEARANCE**	0

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS NO PLANS

LOOKING EAST. NOTE NEW BITUMINOUS CONCRETE PAVEMENT SINCE PREVIOUS

INSPECTED BY	SIGNATURE	ASSISTED BY
Raghuveer Surapaneni	R Surapaneni	Aaron Stroud

Structure Element Scoring

Structure Number: **800088**

Inspection Date **4/4/2017**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31	0	Timber Deck	Deck	2309	0	2225	84	0
107	0	Steel Open Girder/Beam	Beam	1056	312	632	112	0
515	107	Steel Protective Coating	Beam	5280	3911	15	1149	205
216	0	Timber Abutment	Abutments	70	70	0	0	0
228	0	Timber Pile	Piles and Columns	24	22	0	2	0
235	0	Timber Pier Cap	Caps	174	148	17	9	0
311	0	Movable Bearing	Bearing Device	36	0	36	0	0
313	0	Fixed Bearing	Bearing Device	36	0	36	0	0
330	0	Metal Bridge Railing	Bridge Rail	184	153	30	1	0
510	0	Wearing Surface	Wearing Surfaces	2256	2226	30	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **800088** Inspection Date: **04/04/2017**

MMS Code	Element Name	Defect Name	Recommended Quantity
3324	Timber Deck	Connection	79 Square Feet
3324	Timber Deck	Decay/Section Loss	2196 Square Feet
3324	Timber Deck	Split/Delamination (Timber)	34 Square Feet
3314	Steel Open Girder/Beam	Corrosion	112 Feet
3344	Timber Pile	Decay/Section Loss	2 Each
3344	Timber Pier Cap	Connection	3 Feet
3344	Timber Pier Cap	Decay/Section Loss	9 Feet
3344	Timber Pier Cap	Check/Shake	6 Feet
3322	Metal Bridge Railing	Connection	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	30 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1369 Square Feet

Element Structure Maintenance Quantities

Structure Number: **800088** Inspection Date **04/04/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	0	70	0	0	0	70
Beam	3314	Maintenance Steel Superstructure Components	112	1056	0	112	632	312
Beam	3342	Clean and Paint Steel	1369	5280	205	1149	15	3911
Bearing Device	3334	Bridge Bearing	0	72	0	0	72	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	1	184	0	1	30	153
Caps	3344	Maintenance To Timber Substrcutre	18	174	0	9	17	148
Deck	3324	Maintenance of Timber Deck Components	2309	2309	0	84	2225	0
Piles and Columns	3344	Maintenance To Timber Substrcutre	2	24	0	2	0	22
Wearing Surfaces	2816	Asphalt Surface Repair	30	2256	0	0	30	2226

Element Condition and Maintenance Data

Structure Number: **800088** Inspection Date: **04/04/2017**

Span 1 Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	778	0	745	33	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Connection	LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK AT END BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).	3	20	20	Square Feet
31	Connection	RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).	3	7	7	Square Feet
31	Connection	RIGHT LONGITUDINAL DECK EDGE BOARD MISSING FOR 6 FT AT BENT 1. (PRIORITY MAINTENANCE).	3	6	6	Square Feet
31	Decay/Section Loss	HEAVY LEAKAGE STAINS THROUGHOUT UNDERSIDE OF DECK.	2	716	716	Square Feet
31	Split/Delamination (Timber)	TIMBER NAILER ABOVE BEAM 6 HAS SHIFTED NORTH UP TO 1 1/2 IN.	2	29	29	Square Feet

General Comments

Span 1 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	0	29	0	Feet
515	Steel Protective Coating	146	0	0	0	146	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION WITH PACK RUST IN TOP AND BOTTOM FLANGES AND WEB THROUGHOUT. AREA OF SECTION LOSS IN BOTTOM FLANGE IS FULL BEAM LENGTH X FULL FLANGE WIDTH X 0.39 IN THICKNESS REMAINING. AREA OF SECTION LOSS IN WEB IS APPROXIMATELY FULL BEAM LENGTH X FULL WEB HEIGHT FROM END BENT 1 TO MIDDLE INTERMEDIATE DIAPHRAGM AND BOTTOM 5 IN OF WEB FROM MIDDLE INTERMEDIATE DIAPHRAGM TO BENT 1 WITH 0.212 IN THICKNESS REMAINING THROUGHOUT. (PRIORITY MAINTENANCE).	3	29	29	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED THROUGHOUT TOP AND BOTTOM FLANGES AND WEB.	4	146	146	Square Feet

General Comments

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	22	7	0	Feet
515	Steel Protective Coating	146	88	0	51	7	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION AND SECTION LOSS IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 5 FT FROM CENTER OF BEARING AT END BENT 1 AND IS 5	3	7	7	Feet

		FT LONG X HALF FLANGE WIDTH X 0.29 IN THICKNESS REMAINING. AREA OF SECTION LOSS BEGINS 11 FT 6 IN FROM CENTER OF BEARING AT END BENT 1 AND IS 2 FT LONG X HALF FLANGE WIDTH WITH 0.23 IN THICKNESS REMAINING TAPERING TO KNIFE EDGE.				
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ALONG TOP AND BOTTOM FLANGES THROUGHOUT.	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON NORTH FACE OF BOTTOM FLANGE NEAR END BENT 1.	4	7	7	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES, EXCEPT WHERE IT HAS FAILED.	3	51	51	Square Feet

General Comments

Span 1 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	11	14	4	0	Feet
515	Steel Protective Coating	146	114	0	28	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN BOTTOM FLANGE NEAR BENT 1. AREA OF SECTION LOSS BEGINS 2 FT 3 IN FROM CENTER OF BEARING AT BENT 1 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.31 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	4	4	Feet
107	Corrosion	HEAVY SURFACE CORROSION ON BOTTOM FLANGE FOR 4 FT BEGINNING 10 FT FROM END BENT 1 BEARING, NO MEASURABLE SECTION LOSS.	2	4		Feet
107	Corrosion	MODERATE TO HEAVY CORROSION IN TOP AND BOTTOM FLANGES FOR 10 FT BEGINNING AT BENT 1.	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED FOR 4 FT IN BOTTOM FLANGE 2 FT 3 IN FROM CENTER OF BEARING AT BENT 1.	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	28	28	Square Feet

General Comments

Span 1 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	88	0	58	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	8 FT OF HEAVY SURFACE CORROSION OF TOP FLANGE BEGINNING AT END BENT 1 BEAM END.	2	8		Feet
107	Corrosion	MODERATE SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	21		Feet
107	Corrosion	3 FT LONG X 7 3/4 IN WIDE X 1/2 IN THICK PLATE ADDED TO BOTTOM FLANGE OF BEAM 4, 10 FT 3 IN FROM BEAM END AT END BENT 1.	1	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	58	58	Square Feet

General Comments

Span 1 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	15	14	0	0	Feet
515	Steel Protective Coating	146	106	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MILD TO MODERATE SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	14		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	40	40	Square Feet

General Comments

Span 1 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	9	20	0	0	Feet
515	Steel Protective Coating	146	101	0	45	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES AT AT DIAPHRAGM CONNECTIONS.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES AND DIAPHRAGM CONNECTIONS.	3	45	45	Square Feet

General Comments

Span 1 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	88	0	58	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MILD TO MODERATE SURFACE CORROSION IN TOP AND BOTTOM FLANGES THROUGHOUT.	2	24		Feet
107	Corrosion	MODERATE TO HEAVY CORROSION IN BOTTOM FLANGE FOR 5 FT BEGINNING AT BENT 1.	2	5		Feet
107	Connection	NEW DIAPHRAGM BOLTS IN FIRST DIAPHRAGM IN BAY 6.	1	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	58	58	Square Feet

General Comments

Span 1 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	7	22	0	0	Feet
515	Steel Protective Coating	146	102	0	44	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MILD TO MODERATE SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	44	44	Square Feet

General Comments

Span 1 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	11	18	0	0	Feet
515	Steel Protective Coating	146	116	0	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	18		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	30	30	Square Feet

General Comments

Span 1 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	21	8	0	0	Feet
515	Steel Protective Coating	146	132	0	14	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MILD SURFACE COROSION THROUGHOUT BOTTOM FLANGE.	2	8		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT BOTTOM FLANGE.	3	14	14	Square Feet

General Comments

Span 1 Beam 11

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	26	3	0	Feet
515	Steel Protective Coating	146	88	0	55	3	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 11 FT FROM	3	3	3	Feet

		END BENT 1 BEAM END AND IS 3 FT LONG X HALF FLANGE WIDTH X TAPERING FROM THROUGH THICKNESS SECTION LOSS TO 0.28 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).				
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	26		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON BOTTOM FLANGE FOR 3 FT, BEGINNING 11 FT FROM BEAM END AT END BENT 1.	4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP AND BOTTOM FLANGES THROUGHOUT.	3	55	55	Square Feet

General Comments

Span 1 — Beam 12

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	117	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY SURFACE CORROSION IN BOTTOM FLANGE THROUGHOUT FULL LENGTH.	2	29		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT BOTTOM FLANGE.	3	29	29	Square Feet

General Comments

Span 1 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	760	750	10	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKS UP TO FULL WIDTH AND UP TO 1/8 IN WIDE SPACED AT APPROXIMATELY 3 FT CENTERS.	2	10	10	Square Feet

General Comments

Span 1 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	31	25	5	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Connection	GUARDRAIL TERMINAL LAP SPLICE AT SOUTHWEST CORNER IS LAPPED IN WRONG DIRECTION. (PRIORITY MAINTENANCE).	3	1	1	Feet
330	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.	2	5		Square Feet
330	Connection	GUARDRAIL LAP CORRECTED SINCE PREVIOUS INSPECTION.	1	1		Feet

General Comments

Span 1 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	31	26	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.	2	5		Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1	Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1	Each

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 1 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	753	0	714	39	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Connection	LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK. (PRIORITY MAINTENANCE).	3	25	25	Square Feet
31	Connection	RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR MIDSPAN, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).	3	14	14	Square Feet
31	Decay/Section Loss	LEAKAGE STAINS THROUGHOUT UNDERSIDE OF DECK.	2	714	714	Square Feet

General Comments

Span 2 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	15	15	0	0	Feet
515	Steel Protective Coating	148	118	0	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE RUST THROUGHOUT TOP AND BOTTOM FLANGES.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	30	30	Square Feet

General Comments

Span 2 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	0	30	0	0	Feet
515	Steel Protective Coating	148	88	0	60	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY SURFACE CORROSION ON TOP AND BOTTOM FLANGES THROUGHOUT.	2	30		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP AND BOTTOM FLANGES THROUGHOUT.	3	60	60	Square Feet

General Comments

Span 2 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	15	15	0	0	Feet
515	Steel Protective Coating	148	118	0	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR TO MODERATE SUFACE CORROSION ON TOP AND BOTTOM FLAGNES BEGINNING AT BENT 1.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP AND BOTTOM FANGES BEGINNING AT BENT 1.	3	30	30	Square Feet

General Comments

Span 2 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	24	6	0	0	Feet
515	Steel Protective Coating	148	142	0	6	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY SURFACE CORROSION ON SOUTH FACE OF BOTTOM FLANGE AT MIDSPAN.	2	6		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BOTTOM FLANGE NEAR MIDSPAN.	3	6	6	Square Feet

General Comments

Span 2 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	17	10	3	0	Feet
515	Steel Protective Coating	148	125	0	20	3	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 32 IN FROM FIRST INTERMEDIATE DIAPHRAGM AND IS 2 FT 8 IN LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	3	3	Feet
107	Corrosion	MINOR TO MODERATE SUFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES AND WEB.	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON BOTTOM FLANGE AT MIDSPAN.	4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP FLANGE, BOTTOM FLANGE, AND WEB.	3	20	20	Square Feet

General Comments

Span 2 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	28	2	0	0	Feet
515	Steel Protective Coating	148	146	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN BOTTOM FLANGE AT BENT 1 AND BENT 2.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BOTTOM FLANGE AT BENT 1 AND BENT 2.	3	2	2	Square Feet

General Comments

Span 2 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	10	14	6	0	Feet
515	Steel Protective Coating	148	121	0	21	6	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 2 FT FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. AREA OF SECTION LOSS BEGINS 6 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	6	6	Feet
107	Corrosion	MINOR TO MODERATE SURFACE CORROSION ALONG TOP AND BOTTOM FLANGES.	2	14		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON BOTTOM FLANGE AT MIDSPAN.	4	6	6	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG TOP AND BOTTOM FLANGES.	3	21	21	Square Feet

General Comments

Span 2 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	30	0	0	0	Feet
515	Steel Protective Coating	148	103	15	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	30	30	Square Feet
515	Effectiveness (Steel Protective Coatings)	MINOR SURFACE CORROSION ALONG TOP AND BOTTOM FLANGES THROUGHOUT.	2	15	15	Square Feet

General Comments

Span 2 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	20	10	0	0	Feet
515	Steel Protective Coating	148	128	0	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP AND BOTTOM FLANGES THROUGHOUT.	3	20	20	Square Feet

General Comments

Span 2 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	10	20	0	0	Feet
515	Steel Protective Coating	148	108	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	40	40	Square Feet

General Comments

Span 2 — Beam 11

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	0	30	0	0	Feet
515	Steel Protective Coating	148	118	0	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR SURFACE CORROSION THROUGHOUT TOP FLANGE.	2	30		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG TOP FLANGE THROUGHOUT.	3	30	30	Square Feet

General Comments

Span 2 — Beam 12

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	30	0	30	0	0	Feet
515	Steel Protective Coating	148	88	0	60	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR SURFACE CORROSION ALONG TOP AND BOTTOM FLANGES THROUGHOUT.	2	30		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG TOP AND BOTTOM FLANGES.	3	60	60	Square Feet

General Comments

Span 2 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	736	726	10	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKS UP TO FULL WIDTH AND UP TO 1/8 IN WIDE SPACED AT APPROXIMATELY 3 FT CENTERS.	2	10	10	Square Feet

General Comments

Span 2 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	30	25	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.	2	5		Square Feet

General Comments

Span 2 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	30	25	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.	2	5		Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1	Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1	Each

General Comments

Span 2 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 2 — Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	778	0	766	12	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Connection	LEFT LONGITUDINAL DECK EDGE BOARD MISSING FOR 7 FT AT BENT 2. (PRIORITY MAINTENANCE).	3	7	7	Square Feet
31	Split/Delamination (Timber)	DELAMINATION IN LEFT LONGITUDINAL DECK BOARD AT BENT 2.	3	5	5	Square Feet
31	Decay/Section Loss	LEAKAGE STAINS THROUGHOUT UNDERSIDE OF DECK.	2	766	766	Square Feet

General Comments

Span 3 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	9	20	0	0	Feet
515	Steel Protective Coating	146	126	0	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE RUST ON BOTTOM FLANGE THROUGHOUT.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BOTTOM FLANGE THROUGHOUT.	3	20	20	Square Feet

General Comments

Span 3 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	0	29	0	Feet
515	Steel Protective Coating	146	88	0	58	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR TO MODERATE SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	3	29	29	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP AND BOTTOM FLANGES.	3	58	58	Square Feet

General Comments

Span 3 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	9	20	0	Feet
515	Steel Protective Coating	146	106	0	20	20	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 AND IS 20 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	20	20	Feet
107	Corrosion	MINOR TO MODERATE SURFACE CORROSION FOR 20 FT ALONG TOP FLANGE.	2	9		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ALONG BOTTOM FLANGE.	4	20	20	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG TOP FLANGE.	3	20	20	Square Feet

General Comments

Span 3 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	117	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY SURFACE CORROSION ALONG NORTH FACE OF BOTTOM FLANGE THROUGHOUT FULL LENGTH OF BEAM, NO MEASURABLE SECTION LOSS.	2	29		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG BOTTOM FLANGE THROUGHOUT FULL LENGTH OF BEAM.	3	29	29	Square Feet

General Comments

Span 3 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	5	24	0	0	Feet
515	Steel Protective Coating	146	98	0	48	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR TO MODERATE SURFACE CORROSION ALONG TOP AND BOTTOM FLANGES BEGINNING 5 FT FROM BENT 2.	2	24		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG TOP AND BOTTOM FLANGES.	3	48	48	Square Feet

General Comments

Span 3 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	5	24	0	0	Feet
515	Steel Protective Coating	146	98	0	48	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR TO MODERATE SURFACE CORROSION ALONG TOP AND BOTTOM FLANGES BEGINNING 5 FT FROM BENT 2.	2	24		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP AND BOTTOM FLANGES THROUGHOUT.	3	48	48	Square Feet

General Comments

Span 3 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	117	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ALONG TOP FLANGE FOR FULL LENGTH.	2	29		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT TOP FLANGE.	3	29	29	Square Feet

General Comments

Span 3 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	25	0	4	0	Feet
515	Steel Protective Coating	146	142	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	Corrosion	HEAVY CORROSION ON NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS AT CENTERLINE OF END BENT 2 BEARING AND IS 4 FT LONG X HALF FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. HEAVY CORROSION IN TOP FLANGE BEGINNING 4 IN FROM BEAM END AT END BENT 2, AREA OF SECTION LOSS IS 12 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 10 FT FROM BENT 2 AND IS 2 FT LONG X FULL FLANG WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	4	4	Feet
107	Corrosion	TEMPORARY REPAIR TO BEAM, BOTTOM FLANGE REPAIR BEGINS 30 1/2 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND REPAIR IS 7 1/2 IN WIDE X 2 FT LONG X 1/2 IN THICK. TOP FLANGE REPAIR BEGINS 37 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND REPAIR IS 3 1/2 IN WIDE X 2 FT LONG X 1/2 IN THICK ON NORTHERN SIDE OF TOP FLANGE.	1	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON NORTH FACE OF BOTTOM FLANGE FOR 4 FT AND BOTH FACES OF TOP FLANGE FOR 12 FT BEGINNING AT END BENT 2 BEARING.	4	4	4	Square Feet

General Comments

Span 3 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	12	12	5	0	Feet
515	Steel Protective Coating	146	112	0	24	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN TOP AND BOTTOM FLANGE AND SOUTH FACE OF WEB AT DIAPHRAGM. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 BEARING AND IS 5 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. AREA OF SECTION LOSS IN BOTTOM FLANGE BEGINNING 4 1/2 FT FROM BEAM END AT BENT 2 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	5	5	Feet
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION FOR 12 FT BEGINNING AT BENT 2.	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON TOP AND BOTTOM FLANGES FOR 5 FT BEGINNING 6 FT FROM END BENT 2 BEARINGS.	4	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP AND BOTTOM FLANGES BEGINNING AT BENT 2.	3	24	24	Square Feet

General Comments

Span 3 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	13	14	2	0	Feet
515	Steel Protective Coating	146	130	0	14	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 1 FT 10 IN FROM SECOND DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	3	2	2	Feet

107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION THROUGHOUT TOP AND BOTTOM FLANGES.	2	14		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON BOTTOM FLANGE AT SECOND DIAPHRAGM.	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE THROUGHOUT.	3	14	14	Square Feet

General Comments

Span 3 Beam 11

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	117	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR TO MODERATE SURFACE CORROSION THROUGHOUT BOTTOM FLANGE.	2	29		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BOTTOM FLANGE THROUGHOUT.	3	29	29	Square Feet

General Comments

Span 3 Beam 12

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	29	0	29	0	0	Feet
515	Steel Protective Coating	146	117	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MINOR SURFACE CORROSION THROUGHOUT BOTTOM FLANGE.	2	29		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE THROUGHOUT BOTTOM FLANGE.	3	29	29	Square Feet

General Comments

Span 3 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	760	750	10	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKS UP TO FULL WIDTH AND UP TO 1/8 IN WIDE SPACED AT APPROXIMATELY 3 FT CENTERS.	2	10	10	Square Feet

General Comments

Span 3 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	31	26	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.	2	5		Square Feet

General Comments

Span 3 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	31	26	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.	2	5		Square Feet

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1	Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1	Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	HEAVY SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General 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	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	MINOR TO MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

Span 3 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	MODERATE SURFACE CORROSION ON BEARING PLATE.	2	1		Each

General Comments

End Bent 1 — Timber Pier Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	15	14	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Decay/Section Loss	7 IN HIGH X 3 IN WIDE X 1 IN DEEP AREA OF DECAY IN NORTH END OF CAP.	2	1	1	Feet

General Comments

Bent 1 — Timber Pier Cap 2

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	16	15	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Connection	ANCHOR BOLT CONNECTING CAP TO SUBCAP IS EXTENDING FROM BOTTOM OF SUBCAP BETWEEN COLUMNS 4 AND 5.	2	1	1	Feet

General Comments

Bent 1 — Timber Pile 8

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	SEVERE DECAY UP TO 2 FT HIGH, UP TO THROUGH THICKNESS SECTION LOSS. (PRIORITY MAINTENANCE).	3	1	1	Each
228	Check/Shake	FULL HEIGHT CHECKS UP TO 3/4 IN WIDE X 2 1/2 IN DEEP.	2			Each

General Comments

End Bent 1 — Timber Pier Cap 3

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	13	5	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Decay/Section Loss	HEAVY LEAKAGE ONCAP AND SUBCAP BELOW BEAMS 6 THROUGH 10.	2	8	8	Feet

General Comments

Bent 2 — Timber Pier Cap 2

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	15	7	7	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Connection	MISSING ANCHOR BOLT BETWEEN CAP AND SUBCAP BETWEEN PILES 6 AND 7.	3	1	1	Feet
235	Check/Shake	CHECK UP TO 1/4 IN WIDE ON UNDERSIDE OF CAP BETWEEN PILES 6 AND 8.	2	6	6	Feet
235	Connection	MISSING WASHER AND BOLT HEAD IN BOTTOM OF ANCHOR BOLT BETWEEN PILES 5 AND 6.	2	1	1	Feet

General Comments

Bent 2 — Timber Pile 1

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	1 FT HIGH X 1 FT WIDE X 2 1/2 IN DEEP AREA OF SECTION LOSS. (PRIORITY MAINTENANCE).	3	1	1	Each
228	Check/Shake	FULL HEIGHT CHECKS UP TO 1/2 IN WIDE THROUGHOUT PILE.	2			Each

General Comments

End Bent 2 — Timber Pier Cap 3

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	13	5	0	8	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Decay/Section Loss	4 IN WIDE X 9 IN HIGH X 90 IN DEEP AREA OF DECAY IN SUBCAP BEGINNING IN NORTH FACE OF SUB CAP. (PRIORITY MAINTENANCE).	3	8		Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	778
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 11	Plate Girder	Steel Open Girder/Beam	29
Span 1	Beam 12	Plate Girder	Steel Open Girder/Beam	29
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	760
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed 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 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 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Timber Deck	Timber Deck	753
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	30

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 11	Plate Girder	Steel Open Girder/Beam	30
Span 2	Beam 12	Plate Girder	Steel Open Girder/Beam	30
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	30
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	30
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	736
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Timber Deck	Timber Deck	778
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	29

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 11	Plate Girder	Steel Open Girder/Beam	29
Span 3	Beam 12	Plate Girder	Steel Open Girder/Beam	29
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	760
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
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
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
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
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
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
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1		Timber Pier Cap	Timber Pier Cap	16
Bent 1		Timber Pier Cap	Timber Pier Cap	16
Bent 1		Timber Pier Cap	Timber Pier Cap	13
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Pier Cap	Timber Pier Cap	15
End Bent 1		Timber Pier Cap	Timber Pier Cap	15
End Bent 1		Timber Pier Cap	Timber Pier Cap	13
End Bent 1		Timber Pile	Timber Pile	1

Elements Verfied

Location	Name	Component	Element Name	Amount
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Abutment	Timber Abutment	35
Bent 2		Timber Pier Cap	Timber Pier Cap	15
Bent 2		Timber Pier Cap	Timber Pier Cap	15
Bent 2		Timber Pier Cap	Timber Pier Cap	13
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Other Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pier Cap	Timber Pier Cap	15
End Bent 2		Timber Pier Cap	Timber Pier Cap	15
End Bent 2		Timber Pier Cap	Timber Pier Cap	13
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Abutment	Timber Abutment	35

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 800088 **Inspection Date:** 04/04/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**4**
Item 60: Substructure	0 - 9 , N	**6**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
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	**G**	**0**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	**F**	**130**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C		**0**	**3350**
Field Scour Evaluation		**G**		
Drift	G, F, P, or C	**G**	**0**	**3366**
Fender System	G, F, P, or C		**0**	**3364**
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	**F**		
Estimated Remaining Life	0 - 100 Years	**8**		
Superstructure Paint Code		**A**		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**16**
Traffic Control Time	Hours	**0**
Snooper Time	Hours	**0**
Ladder Used	YES/NO	**Y**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 800088 **Inspection Date:** 04/04/2017

Item	Deck - Item 58	**Grade**	6	**Maint Code**		**Qty.**	0
Details	ACTIVE WATER FLOW THROUGH ASPHALT WEARING SURFACE HAS CAUSED UNDERSIDE OF DECK BOARDS TO BE SOFT AND HEAVY CORROSION WITH SECTION LOSS TO OCCUR IN SEVERAL BEAMS. TIMBER NAILER ABOVE BEAM 6 HAS SHIFTED NORTH UP TO 1 1/2 IN.						
Item	Superstructure - Item 59	**Grade**	4	**Maint Code**		**Qty.**	0
Details	ALL BEAMS ARE SALVAGED. ALL DIAPHRAGMS HAVE VARYING LEVELS OF CORROSION. SEVERAL BEAMS EXHIBIT HEAVY SURFACE CORROSION WITH SIGNIFICANT SECTION LOSS.						
Item	Approach Roadway Alignment - Item 72	**Grade**	8	**Maint Code**		**Qty.**	0
Details	APPROXIMATELY 2 IN OF SETTLEMENT IN EASTBOUND TRAVEL LANES AT END BENT 1.						
Item	Slope Protection	**Grade**	F	**Maint Code**	3352	**Qty.**	130
Details	EROSION OF SLOPE PROTECTION AT END BENT 1. APPROXIMATELY 6 FT LONG X FULL END BENT WIDTH X 4 FT HIGH.						
Item	Response to live load	**Grade**	F	**Maint Code**		**Qty.**	0
Details	SIGNIFICANT VIBRATION AND DEFLECTION DURING LIVE LOADING.						



Span 1 Wearing Surface: TRANSVERSE CRACKS UP TO FULL WIDTH AND UP TO 1/8 IN WIDE SPACED AT APPROXIMATELY 3 FT CENTERS.



Span 2 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK. (PRIORITY MAINTENANCE).



Span 2 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK. (PRIORITY MAINTENANCE).



Span 3 Deck: LEFT LONGITUDINAL DECK EDGE BOARD MISSING FOR 7 FT AT BENT 2. (PRIORITY MAINTENANCE).



Span 3 Deck: DELAMINATION IN LEFT LONGITUDINAL DECK BOARD AT BENT 2.



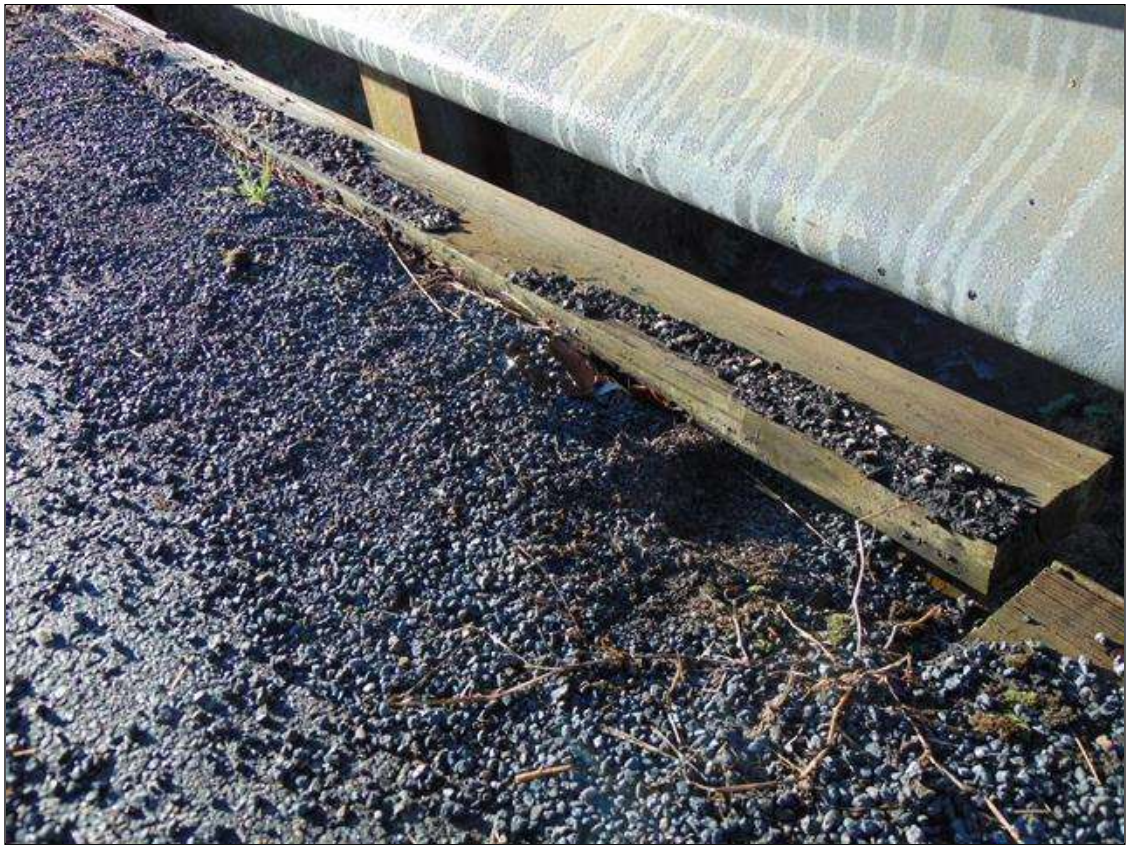
Span 3 Wearing Surface: TRANSVERSE CRACKS UP TO FULL WIDTH AND UP TO 1/8 IN WIDE SPACED AT APPROXIMATELY 3 FT CENTERS. LEFT SHOULDER SHOWN, LOOKING EAST.



Span 1 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD MISSING FOR 6 FT AT BENT 1. (PRIORITY MAINTENANCE).



Span 1 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).



Span 2 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR MIDSPAN, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).



Span 2 Right Bridge Rail: MODERATE TO HEAVY SURFACE CORROSION ON ALL RAIL POSTS IN SPAN.



Span 1 Left Bridge Rail: GUARDRAIL LAP DIRECTION AT SOUTHWEST CORNER CORRECTED SINCE PREVIOUS INSPECTION.



Span 1 Left Bridge Rail: GUARDRAIL TERMINAL LAP SPLICE AT SOUTHWEST CORNER IS LAPPED IN WRONG DIRECTION. (PRIORITY MAINTENANCE).



Span 1 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPELETELY SEPARATED FROM DECK AT END BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).



7 FT WIDE X 3 FT LONG AREA OF SETTLEMENT UP TO 2 IN DEEP IN WEST APPROACH AT SOUTHWEST CORNER.



EROSION OF SLOPE PROTECTION AT END BENT 1. APPROXIMATELY 6 FT LONG X FULL END BENT WIDTH X 4 FT HIGH.



Span 1 Beam 1: HEAVY CORROSION WITH PACK RUST IN TOP AND BOTTOM FLANGES AND WEB THROUGHOUT. AREA OF SECTION LOSS IN BOTTOM FLANGE IS FULL BEAM LENGTH X FULL FLANGE WIDTH X 0.39 IN THICKNESS REMAINING. AREA OF SECTION LOSS IN WEB IS APPROXIMATELY FULL BEAM LENGTH X FULL WEB HEIGHT FROM END BENT 1 TO MIDDLE INTERMEDIATE DIAPHRAGM AND BOTTOM 5 IN OF WEB FROM MIDDLE INTERMEDIATE DIAPHRAGM TO BENT 1 WITH 0.212 IN THICKNESS REMAINING THROUGHOUT. (PRIORITY MAINTENANCE).



Span 1 Beam 2: HEAVY CORROSION AND SECTION LOSS IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 11 FT 6 IN FROM CENTER OF BEARING AT END BENT 1 AND IS 2 FT LONG X HALF FLANGE WIDTH WITH 0.23 IN THICKNESS REMAINING TAPERING TO KNIFE EDGE. (PRIORITY MAINTENANCE).



Span 1 Beam 2: HEAVY CORROSION AND SECTION LOSS IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 5 FT FROM CENTER OF BEARING AT END BENT 1 AND IS 5 FT LONG X HALF FLANGE WIDTH X 0.29 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 1 Beam 3: HEAVY SURFACE CORROSION ON BOTTOM FLANGE FOR 4 FT BEGINNING 10 FT FROM END BENT 1 BEARING, NO MEASURABLE SECTION LOSS.



Span 1 Beam 4: 3 FT LONG X 7 3/4 IN WIDE X 1/2 IN THICK PLATE ADDED TO BOTTOM FLANGE OF BEAM 4, 10 FT 3 IN FROM BEAM END AT END BENT 1.



Span 1 Beam 7: NEW DIAPHRAGM BOLTS IN FIRST DIAPHRAGM IN BAY 6.



Span 1 Beam 11: HEAVY CORROSION IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 11 FT FROM END BENT 1 BEAM END AND IS 3 FT LONG X HALF FLANGE WIDTH X TAPERING FROM THROUGH THICKNESS SECTION LOSS TO 0.28 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 1 Beam 11: HEAVY CORROSION IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 11 FT FROM END BENT 1 BEAM END AND IS 3 FT LONG X HALF FLANGE WIDTH X TAPERING FROM THROUGH THICKNESS SECTION LOSS TO 0.28 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 1 Deck: TIMBER NAILER ABOVE BEAM 6 HAS SHIFTED NORTH UP TO 1 1/2 IN.



Span 1 Deck: TIMBER NAILER ABOVE BEAM 6 HAS SHIFTED NORTH UP TO 1 1/2 IN.



End Bent 1 Cap 3: HEAVY LEAKAGE ON CAP AND SUBCAP BELOW BEAMS 6 THROUGH 10.



End Bent 1 Cap 1: 7 IN HIGH X 3 IN WIDE X 1 IN DEEP AREA OF DECAY IN NORTH END OF CAP.



Span 1 Beam 1 Near Bearing: HEAVY SURFACE CORROSION ON BEARING PLATE.



Span 1 Deck: HEAVY LEAKAGE STAINS THROUGHOUT UNDERSIDE OF DECK.



Bent 1 Pile 8: SEVERE DECAY UP TO 2 FT HIGH, UP TO THROUGH THICKNESS SECTION LOSS. (PRIORITY MAINTENANCE).



Bent 1 Cap 2: ANCHOR BOLT CONNECTING CAP TO SUBCAP IS EXTENDING FROM BOTTOM OF SUBCAP BETWEEN COLUMNS 4 AND 5.



Span 1 Beam 3: HEAVY CORROSION IN BOTTOM FLANGE NEAR BENT 1. AREA OF SECTION LOSS BEGINS 2 FT 3 IN FROM CENTER OF BEARING AT BENT 1 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.31 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Bent 2 Pile 1: 1 FT HIGH X 1 FT WIDE X 2 1/2 IN DEEP AREA OF SECTION LOSS AT BASE OF PILE. (PRIORITY MAINTENANCE).



End Bent 2 Cap 3: 4 IN WIDE X 9 IN HIGH X 90 IN DEEP AREA OF DECAY IN SUBCAP BEGINNING IN NORTH FACE OF SUB CAP. (PRIORITY MAINTENANCE).



End Bent 2 Cap 3: 4 IN WIDE X 9 IN HIGH X 90 IN DEEP AREA OF DECAY IN SUBCAP BEGINNING IN NORTH FACE OF SUB CAP. (PRIORITY MAINTENANCE).



Span 2 Beam 5: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 32 IN FROM FIRST INTERMEDIATE DIAPHRAGM AND IS 2 FT 8 IN LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 2 Beam 7: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 2 FT FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



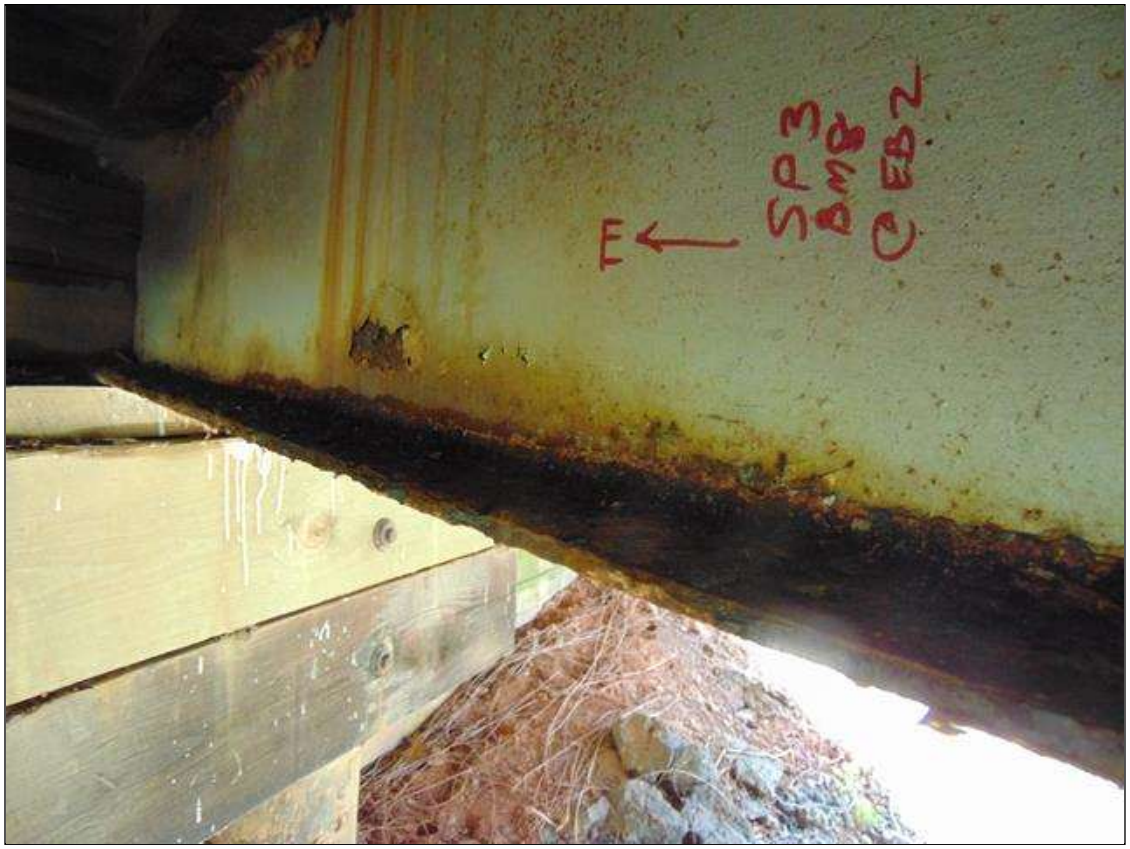
Span 2 Beam 7: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 6 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Bent 2 Cap 2: MISSING WASHER AND BOLT HEAD IN BOTTOM OF ANCHOR BOLT BETWEEN PILES 5 AND 6.



Span 3 Beam 3: HEAVY CORROSION IN BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 AND IS 20 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 3 Beam 8: HEAVY CORROSION ON NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS AT CENTERLINE OF END BENT 2 BEARING AND IS 4 FT LONG X HALF FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 3 Beam 8: TEMPORARY REPAIR TO BEAM, TOP FLANGE REPAIR BEGINS 37 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND REPAIR IS 3 1/2 IN WIDE X 2 FT LONG X 1/2 IN THICK ON NORTHERN SIDE OF TOP FLANGE.



Span 3 Beam 8: TEMPORARY REPAIR TO BEAM, BOTTOM FLANGE REPAIR BEGINS 30 1/2 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND REPAIR IS 7 1/2 IN WIDE X 2 FT LONG X 1/2 IN THICK.



Span 3 Beam 9: HEAVY CORROSION IN TOP AND BOTTOM FLANGE AND SOUTH FACE OF WEB AT DIAPHRAGM. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 BEARING AND IS 5 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 3 Beam 8: HEAVY CORROSION AND SECTION LOSS IN TOP FLANGE BEGINNING 4 IN FROM BEAM END AT END BENT 2, AREA OF SECTION LOSS IS 12 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 3 Beam 8: HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 10 FT FROM BENT 2 AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 3 Beam 9: HEAVY CORROSION IN BOTTOM FLANGE. AREA OF SECTION LOSS IN BOTTOM FLANGE BEGINNING 4 1/2 FT FROM BEAM END AT BENT 2 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



Span 3 Beam 10: HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 1 FT 10 IN FROM SECOND DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).



End Bent 2 Abutment/Backwall : REPAIR TO ABUTMENT BOARDS OUTSIDE OF BEAM 1.



Bent 2 Cap 2: CHECK UP TO 1/4 IN WIDE ON UNDERSIDE OF CAP BETWEEN PILES 6 AND 8.



Span 1 Beam 5 Far Bearing: HEAVY SURFACE CORROSION ON BEARING PLATE.



Bent 1 Pile 8: FULL HEIGHT CHECKS UP TO 3/4 IN WIDE X 2 1/2 IN DEEP.



Bent 2 Pile 1: FULL HEIGHT CHECKS UP TO 1/2 IN WIDE THROUGHOUT PILE.



LOOKING EAST. NOTE NEW BITUMINOUS CONCRETE PAVEMENT SINCE PREVIOUS INSPECTION.



WEIGHT LIMIT SIGN AT SOUTHWEST CORNER.



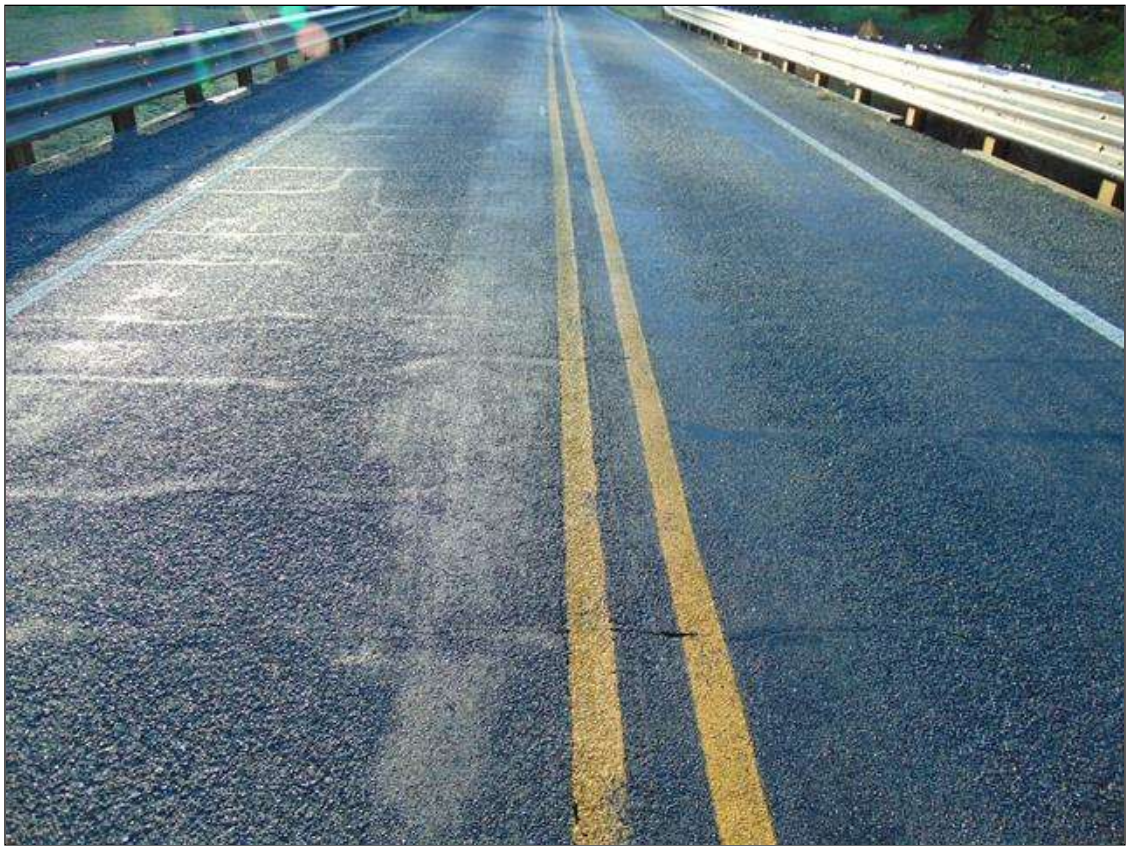
LEFT BRIDGE RAIL.



RIGHT BRIDGE RAIL.



DECK JOINT AT END BENT 1, LOOKING SOUTH.



TOP OF DECK, SPAN 1, LOOKING EAST. NOTE NEW BITUMINOUS CONCRETE WEARING SURFACE SINCE PREVIOUS INSPECTION.



DECK JOINT AT BENT 1, LOOKING SOUTH.



LOOKING UPSTREAM/NORTH FROM SPAN 2.



LOOKING DOWNSTREAM/SOUTH FROM SPAN 2.



DECK JOINT AT END BENT 2, LOOKING SOUTH.



DECK JOINT AT BENT 2, LOOKING NORTH.



LOOKING WEST, NOTE NEW BITUMINOUS CONCRETE PAVEMENT SINCE PREVIOUS INSPECTION.



WEIGHT LIMIT SIGN AT NORTHEAST CORNER.



DOWNSTREAM/SOUTH ELEVATION.



END BENT 1 PROFILE.



UPSTREAM/NORTH PROFILE.



BENT 1 PROFILE.



BACKWALL AT END BENT 1, BAY 4.



INTERMEDIATE DIAPHRAGM, SPAN 1, BAY 5.



BEARING ASSEMBLY, BEAM 8 AT END BENT 1.



SUPERSTRUCTURE UNDERSIDE, SPAN 1, LOOKING EAST.



LADDER USED FOR INSPECTION.



BENT 2 PROFILE.



SUPERSTRUCTURE UNDERSIDE, SPAN 2, LOOKING EAST.



LOOKING UPSTREAM/NORTH FROM BELOW BRIDGE.



LOOKING DOWNSTREAM/SOUTH FROM BELOW BRIDGE.



TYPICAL GUARDRAIL CONNECTION, SPAN 1, LEFT BRIDGE RAIL AT END BENT 1 SHOWN.



ABUTMENT 1, NORTHWEST CORNER.



ABUTMENT 1, SOUTHWEST CORNER.



END BENT 2 PROFILE.



ABUTMENT 2, NORTHEAST CORNER.



ABUTMENT 2, SOUTHEAST CORNER.



SLOPE PROTECTION AT END BENT 2.

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 10/25/2017

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **800088**
(8) STRUCTURE NUMBER(FEDERAL) 000000001610088
(5) INVENTORY ROUTE (ON/UNDER) - ON 31017930
(2) STATE HIGHWAY DEPARTMENT DISTRICT 1
(3) COUNTY CODE 161 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - WEST FORK SANDY RUN CREEK
(7) FACILITY CARRIED SR1793
(9) LOCATION 0.5 MI.W.JCT.SR1762
(11)MILEPOINT 0
(16)LAT 35° 20' 54.79" (17)LONG 81° 43' 36.32"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
TYPE - Stringer Mutlibeam or Girder CODE 302
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 3
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 8 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1962
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 270
(30) YEAR OF ADT 2014 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 6 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 29 FT
(49) STRUCTURE LENGTH 91 FT
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.917 FT
(52) DECK WIDTH OUT TO OUT 25.5 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 19 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 31° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.917 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 37.1
STATUS = Structurally Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
(20) TOLL On Free Road 3
(31) MAINTAIN - State Highway Agency 01
(22) OWNER - State Highway Agency 01
(37) HISTORICAL SIGNIFICANCE - Not Eligible 5

CONDITION — CODE

(58) DECK 6
(59) SUPERSTRUCTURE 4
(60) SUBSTRUCTURE 6
(61) CHANNEL & CHANNEL PROTECTION 7
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-14 26
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-8 15
(70) BRIDGE POSTING - Posting Required 0
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 4
(68) DECK GEOMETRY 5
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES U

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 540 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 04/04/2017
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 10/25/2017

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
RUTHERFORD	13	1	800088	91 FEET

ROUTE CARRIED : SR1793

FEATURE INTERSECTED : WEST FORK SANDY RUN CREEK

LOCATED : 0.5 MI.W.JCT.SR1762

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :			
09	NFA	NFA	270	2014	LT	253	RT	253

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1962	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :			
	BMU	5.8951	TAN	59	ON	2	UNDER	0

NAVIGATION :					HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC	0	FT	15 FT	1	FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS (BMD-8 8A-24)

SUBSTRUCTURE : E.BTS:TIM CAPS/TIM.PILES:BTS:TIM.CAPS/TIM.POST&CONC.SILLS

SPANS : 1 @ 30'-6 ; 1 @ 29'-6; 1 @ 30'-6

BEAMS OR GIRDERS : 10 LINES 14 I-BEAMS & 2 LINES 16 I-BEAMS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/3 AWS		25.5 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
24.917 FT	24.917 FT	LT	0 FT	RT	0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :					
HS-8	HS-14	Int.Beams	SV	16	TTST	21	DATE	10/05/2017

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD Date: 04/04/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 10: HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 1 FT 10 IN FROM SECOND DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	
3314	Maintain Steel Superstructure Components	LF	5	Span 3 Beam 9: HEAVY CORROSION IN TOP AND BOTTOM FLANGE AND SOUTH FACE OF WEB AT DIAPHRAGM. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 BEARING AND IS 5 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. AREA OF SECTION LOSS IN BOTTOM FLANGE BEGINNING 4 1/2 FT FROM BEAM END AT BENT 2 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	
3314	Maintain Steel Superstructure Components	LF	4	Span 3 Beam 8: HEAVY CORROSION ON NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS AT CENTERLINE OF END BENT 2 BEARING AND IS 4 FT LONG X HALF FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. HEAVY CORROSION IN TOP FLANGE BEGINNING 4 IN FROM BEAM END AT END BENT 2, AREA OF SECTION LOSS IS 12 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 10 FT FROM BENT 2 AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	
3314	Maintain Steel Superstructure Components	LF	20	Span 3 Beam 3: HEAVY CORROSION IN BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 AND IS 20 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD Date: 04/04/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	6	Span 2 Beam 7: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 2 FT FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. AREA OF SECTION LOSS BEGINS 6 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 5: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 32 IN FROM FIRST INTERMEDIATE DIAPHRAGM AND IS 2 FT 8 IN LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	
3314	Maintain Steel Superstructure Components	LF	3	Span 1 Beam 11: HEAVY CORROSION IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 11 FT FROM END BENT 1 BEAM END AND IS 3 FT LONG X HALF FLANGE WIDTH X TAPERING FROM THROUGH THICKNESS SECTION LOSS TO 0.28 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	
3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 3: HEAVY CORROSION IN BOTTOM FLANGE NEAR BENT 1. AREA OF SECTION LOSS BEGINS 2 FT 3 IN FROM CENTER OF BEARING AT BENT 1 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.31 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD Date: 04/04/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	7	Span 1 Beam 2: HEAVY CORROSION AND SECTION LOSS IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 5 FT FROM CENTER OF BEARING AT END BENT 1 AND IS 5 FT LONG X HALF FLANGE WIDTH X 0.29 IN THICKNESS REMAINING. AREA OF SECTION LOSS BEGINS 11 FT 6 IN FROM CENTER OF BEARING AT END BENT 1 AND IS 2 FT LONG X HALF FLANGE WIDTH WITH 0.23 IN THICKNESS REMAINING TAPERING TO KNIFE EDGE.	
3324	Maint / Repair / Replace Timber Deck Components	SF	25	Span 2 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK. (PRIORITY MAINTENANCE).	
3344	Repair / Replace Timber Substructure Components	LF	1	Bent 1 Pile 8: SEVERE DECAY UP TO 2 FT HIGH, UP TO THROUGH THICKNESS SECTION LOSS. (PRIORITY MAINTENANCE).	
3344	Repair / Replace Timber Substructure Components	LF	1	Bent 2 Pile 1: 1 FT HIGH X 1 FT WIDE X 2 1/2 IN DEEP AREA OF SECTION LOSS. (PRIORITY MAINTENANCE).	
3344	Repair / Replace Timber Substructure Components	LF	0	End Bent 2 Cap 3: 4 IN WIDE X 9 IN HIGH X 90 IN DEEP AREA OF DECAY IN SUBCAP BEGINNING IN NORTH FACE OF SUB CAP. (PRIORITY MAINTENANCE).	
3324	Maint / Repair / Replace Timber Deck Components	SF	7	Span 1 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).	
3324	Maint / Repair / Replace Timber Deck Components	SF	20	Span 1 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK AT END BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD Date: 04/04/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3324	Maint / Repair / Replace Timber Deck Components	SF	14	Span 2 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR MIDSPAN, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).	
3324	Maint / Repair / Replace Timber Deck Components	SF	6	Span 1 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD MISSING FOR 6 FT AT BENT 1. (PRIORITY MAINTENANCE).	
3324	Maint / Repair / Replace Timber Deck Components	SF	7	Span 3 Deck: LEFT LONGITUDINAL DECK EDGE BOARD MISSING FOR 7 FT AT BENT 2. (PRIORITY MAINTENANCE).	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details

Span 3 Beam 10: HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 1 FT 10 IN FROM SECOND DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details

Span 3 Beam 9: HEAVY CORROSION IN TOP AND BOTTOM FLANGE AND SOUTH FACE OF WEB AT DIAPHRAGM. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 BEARING AND IS 5 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. AREA OF SECTION LOSS IN BOTTOM FLANGE BEGINNING 4 1/2 FT FROM BEAM END AT BENT 2 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details

Span 3 Beam 8: HEAVY CORROSION ON NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS AT CENTERLINE OF END BENT 2 BEARING AND IS 4 FT LONG X HALF FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. HEAVY CORROSION IN TOP FLANGE BEGINNING 4 IN FROM BEAM END AT END BENT 2, AREA OF SECTION LOSS IS 12 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. HEAVY CORROSION IN BOTTOM FLANGE, AREA OF SECTION LOSS BEGINS 10 FT FROM BENT 2 AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	20 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 3 Beam 3: HEAVY CORROSION IN BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 6 FT FROM END BENT 2 AND IS 20 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	6 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 2 Beam 7: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 2 FT FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.1875 IN THICKNESS REMAINING. AREA OF SECTION LOSS BEGINS 6 IN FROM SECOND INTERMEDIATE DIAPHRAGM AND IS 2 FT LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 2 Beam 5: HEAVY CORROSION IN BOTTOM FLANGE AT MIDSPAN. AREA OF SECTION LOSS BEGINS 32 IN FROM FIRST INTERMEDIATE DIAPHRAGM AND IS 2 FT 8 IN LONG X FULL FLANGE WIDTH X 0.125 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 1 Beam 11: HEAVY CORROSION IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 11 FT FROM END BENT 1 BEAM END AND IS 3 FT LONG X HALF FLANGE WIDTH X TAPERING FROM THROUGH THICKNESS SECTION LOSS TO 0.28 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 1 Beam 3: HEAVY CORROSION IN BOTTOM FLANGE NEAR BENT 1. AREA OF SECTION LOSS BEGINS 2 FT 3 IN FROM CENTER OF BEARING AT BENT 1 AND IS 4 FT LONG X FULL FLANGE WIDTH X 0.31 IN THICKNESS REMAINING. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	7 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 1 Beam 2: HEAVY CORROSION AND SECTION LOSS IN NORTH FACE OF BOTTOM FLANGE. AREA OF SECTION LOSS BEGINS 5 FT FROM CENTER OF BEARING AT END BENT 1 AND IS 5 FT LONG X HALF FLANGE WIDTH X 0.29 IN THICKNESS REMAINING. AREA OF SECTION LOSS BEGINS 11 FT 6 IN FROM CENTER OF BEARING AT END BENT 1 AND IS 2 FT LONG X HALF FLANGE WIDTH WITH 0.23 IN THICKNESS REMAINING TAPERING TO KNIFE EDGE.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	25 SF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 2 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Bent 1 Pile 8: SEVERE DECAY UP TO 2 FT HIGH, UP TO THROUGH THICKNESS SECTION LOSS. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Bent 2 Pile 1: 1 FT HIGH X 1 FT WIDE X 2 1/2 IN DEEP AREA OF SECTION LOSS. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	0 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
End Bent 2 Cap 3: 4 IN WIDE X 9 IN HIGH X 90 IN DEEP AREA OF DECAY IN SUBCAP BEGINNING IN NORTH FACE OF SUB CAP. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	7 SF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 1 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	20 SF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 1 Deck: LEFT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK AT END BENT 1, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	14 SF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
04/04/2017	Raghuveer Surapaneni	

Details
Span 2 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD COMPLETELY SEPARATED FROM DECK NEAR MIDSPAN, BOARD IS LOOSE THROUGHOUT ENTIRE LENGTH. (PRIORITY MAINTENANCE).

MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	6 SF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
04/05/2017	Raghuveer Surapaneni	

Details
Span 1 Deck: RIGHT LONGITUDINAL DECK EDGE BOARD MISSING FOR 6 FT AT BENT 1. (PRIORITY MAINTENANCE).

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 800088 County RUTHERFORD

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

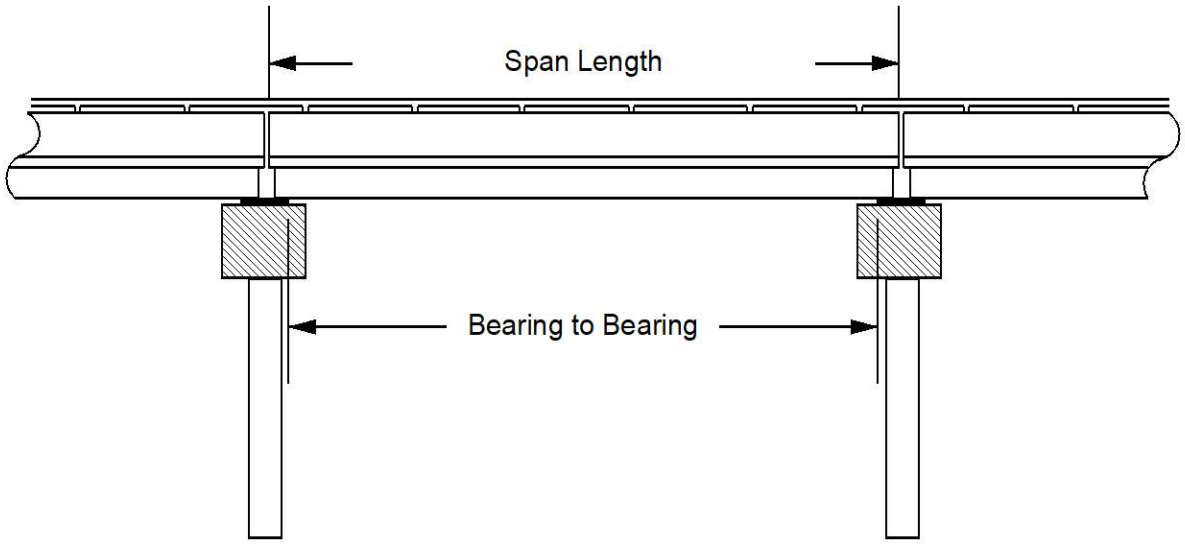
MMS Code	MMS Description	Quantity
3324	Maint / Repair / Replace Timber Deck Components	7 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
04/05/2017	Raghuveer Surapaneni	

Details
Span 3 Deck: LEFT LONGITUDINAL DECK EDGE BOARD MISSING FOR 7 FT AT BENT 2. (PRIORITY MAINTENANCE).

Structure Data Worksheet

County: RUTHERFORD **Structure No:** 800088 **Date:** 04/04/2017 **Inspected By:** RS



Span No	Span Length	Bearing to Bearing	Comments
1	30.5 ft.	29.250FT.	
2	29.5 ft.	29.083 FT.	
3	30.5 FT.	29.250FT.	NBIS = 87'-8"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 800088 **County:** RUTHERFORD **Date:** 04/04/2017 **By:** RS

Record sounding from top of rail. Other location if needed:

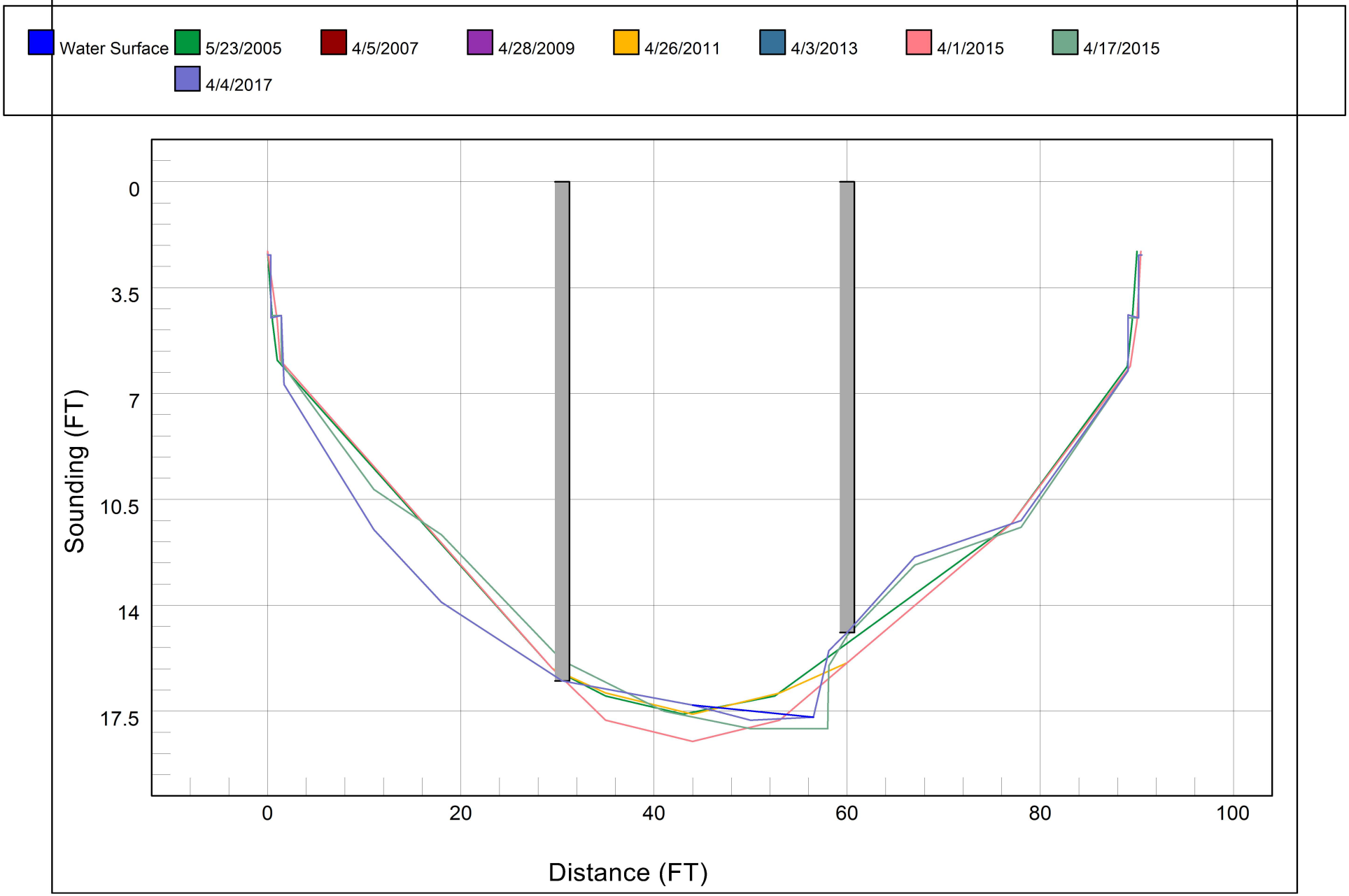
Distance from Highwater Mark to top of rail: **Location of Highwater Mark:** NOT DETECTED

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.42	FILL FACE			
0.33	2.42				
0.34	4.5	Top of Cap			
1.42	4.42				
1.7	6.7	FACE OF CAP	1.7	6	FACE OF CAP
11	11.5				
18	13.9				
30.5	16.5	BENT 1	30.5	15.5	BENT 1
44	17.3	WSWE			
50	17.8				
56.5	17.7	WSWE			
58.1	15.5	TOP OF SILL			
60	14.9	BENT 2	60	15.4	BENT 2
67	12.4				
78	11.2				
89.07	6.25	FACE OF CAP	89.07	7.58	FACE OF CAP
89.08	4.4	Top of Cap			
90.16	4.5				
90.17	2.42				
90.5	2.42	FILL FACE			

Bridge: 800088 County RUTHERFORD Date: 04/04/2017

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	17ft Wide	2 Paved Lanes	Looking East
Left Shoulder	7ft Wide	1ft Paved	6ft Unpaved
Right Shoulder	8ft Wide	1ft Paved	7ft Unpaved
Left Guardrail			
Right Guardrail			

MEASURED 22 FT FROM SOUTHWEST CORNER OF DECK JOINT AT EB 2

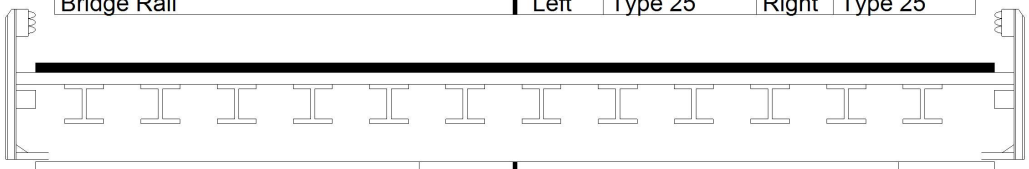
MODIFIED BY RS 4/4/17

Title	**Description**
APPR. RDWY.	APPR. RDWY.

Bridge No: 800088	**Drawn By:** DCR	**Date:** 04/05/07	**File Name:** S0146000029

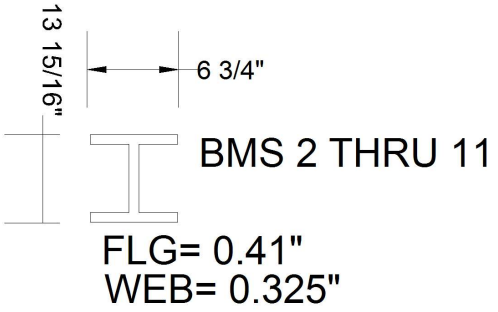
Bridge Inspection Field Sketch

Deck Width/Out to Out	25.5ft	Between Rails			24.917ft
Clear Roadway	24.917ft	Wearing Surface			0.25ft
Median Width		Median Height			
Curb Height		Left		Right	
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	0.292ft	Right	0.292ft
Top of Rail to Deck/Wearing Surface		Left	2.333ft	Right	2.333ft
Bridge Rail		Left	Type 25	Right	Type 25

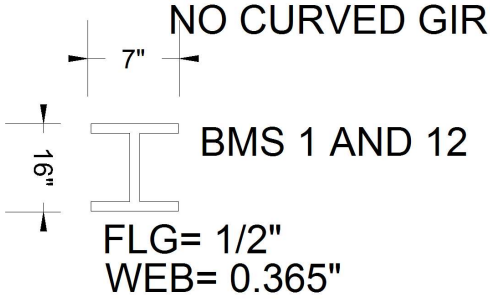


Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.599
Top of Rail to Bottom of Beam	4.583	Right Overhang	1.599

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.02875ft	
2	Steel I Beam	2.027ft	
3	Steel I Beam	2.027ft	
4	Steel I Beam	2.027ft	
5	Steel I Beam	2.027ft	
6	Steel I Beam	2.027ft	
7	Steel I Beam	2.027ft	
8	Steel I Beam	2.027ft	
9	Steel I Beam	2.027ft	
10	Steel I Beam	2.027ft	
11	Steel I Beam	2.02875ft	
12	Steel I Beam	ft	



MODIFIED RS 4/4/17
NO CURVED GIRDERS



Title
VERIFIED BY ERIC PATTERSON ON 4-1-2015
DECK CROSS SECTION

Description
DECK CROSS SECTION

Bridge No: 800088 | **Drawn By:** DCR | **Date:** 04/05/07 | **File Name:** S0146000030

Bridge Inspection Field Sketch

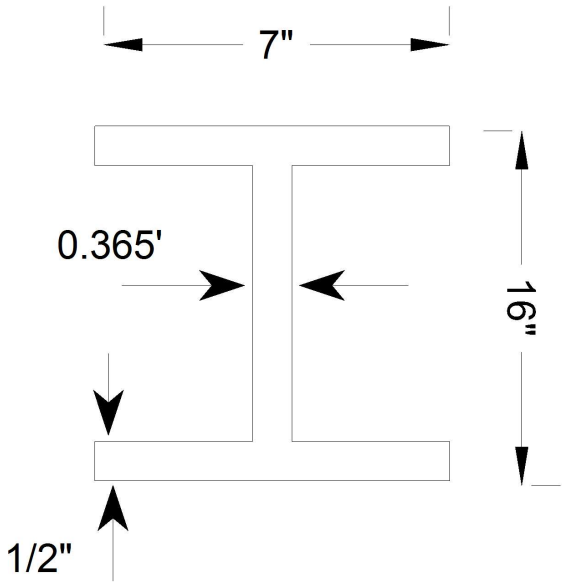
THIS PAGE INTENTIONALLY LEFT BLANK

Title	Description
BOTT. SIDE DETAILS	BOTT. SIDE DETAILS

Bridge No:	Drawn By:	Date:	File Name:
800088	GLS	05/19/2005	S0146000031

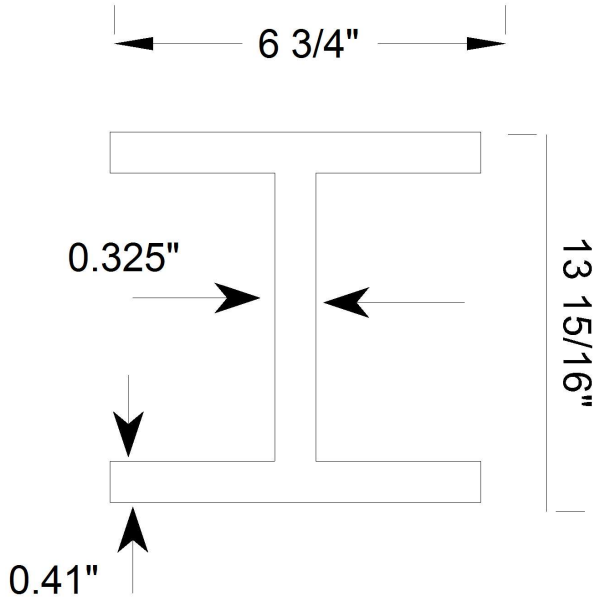
Bridge Inspection Field Sketch

BMS. #1 & 12 (ALL SPANS)



(NON-TAPERED FLG.)

BMS. #2 THRU #11
(ALL SPANS)



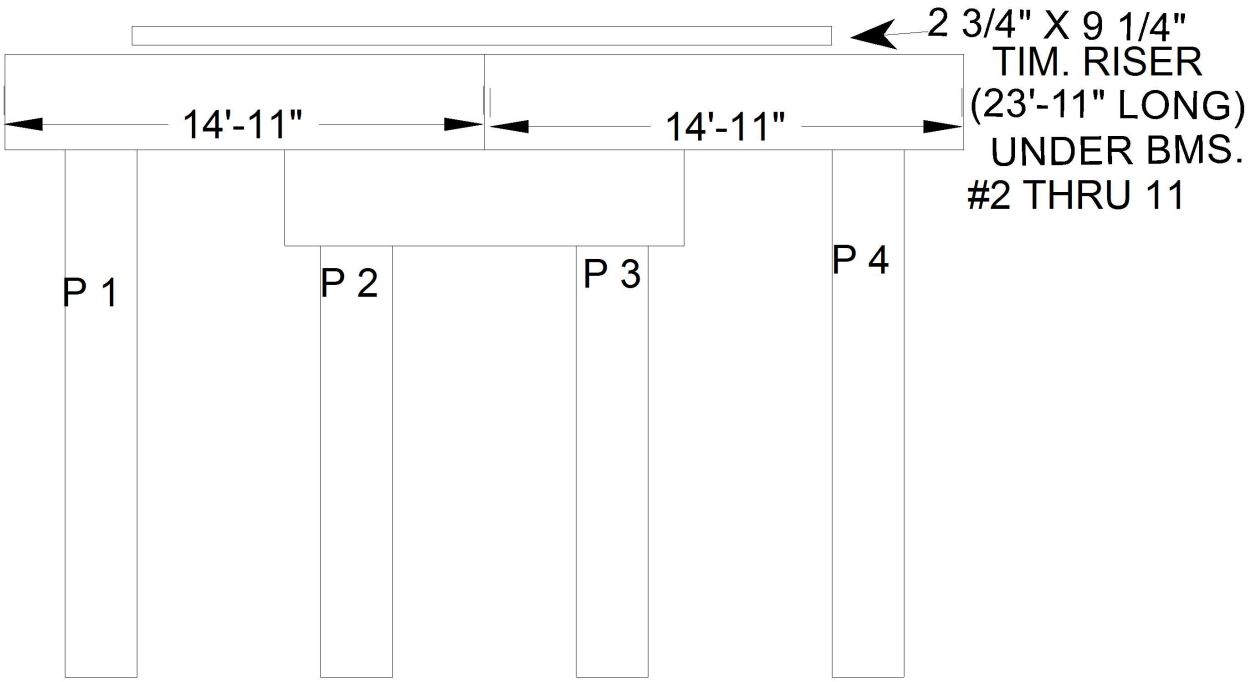
(NON-TAPERED FLG.)

MODIFIED RS 4/4/17

Title	Description
BEAM SIZES	BEAM SIZES

Bridge No:	Drawn By:	Date:	File Name:
800088	DCR	04/05/07	S0146000032

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
29.833 ft.	1 ft.	0.958 ft.	0.833 ft.	1.917 ft.	1.500 ft.	1.833 ft.

Subcap Information			Material Timber		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
12.833 ft.	1 ft.	0.958 ft.	1.75 ft.	2 ft.	5.083 ft.

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	9 ft.	1 ft.			Vertical	Yes	No	No	No
2	Timber	9.083 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	9 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber		1 ft.			Vertical	Yes	No	No	No

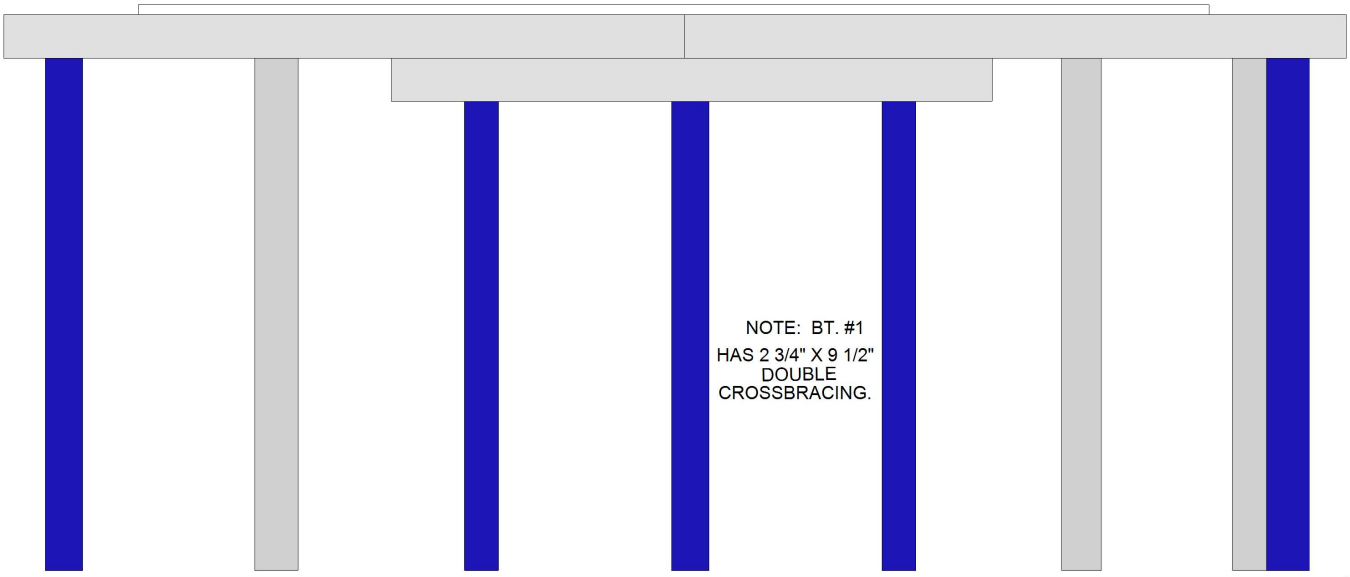
Bent/Abutment #: 1 Similar Bents:

VERIFIED BY RS 4/4/17

Title	**Description**
END BTS. #1 (TYP. SECTION)	END BTS. #1(TYP. SECTION)

Bridge No: 800088	**Drawn By:** DCR	**Date:** 04/05/07	**File Name:** S0146000033

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
29.775 ft.	1 ft.	0.969 ft.	1.333 ft.	1.333 ft.	1.5 ft.	2.083 ft.

Subcap Information			Material Timber		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
13.330 ft.	1 ft.	0.958 ft.	2 ft.	2 ft.	4.5 ft.

Sill Information			Material
Length	Width	Height	
30 ft.	3 ft.	ft.	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	4.71 ft.	0.83 ft.			Vertical	Yes	Yes	No	No
2	Timber	4.55 ft.	0.958 ft.			Vertical	Yes	No	No	No
3	Timber	4.63 ft.	0.75 ft.			Vertical	Yes	Yes	No	No
4	Timber	4.63 ft.	0.833 ft.			Vertical	Yes	Yes	No	No
5	Timber	4.05 ft.	0.75 ft.			Vertical	Yes	Yes	No	No
6	Timber	3.83 ft.	0.875 ft.			Vertical	Yes	No	No	No
7	Timber	0.71 ft.	0.958 ft.			Vertical	Yes	Yes	No	No
8	Timber		0.75 ft.			Vertical	Yes	No	No	No

CAP LENGTH CHANGED, PILE SIZES CHANGED, PILE SPACING CHANGED

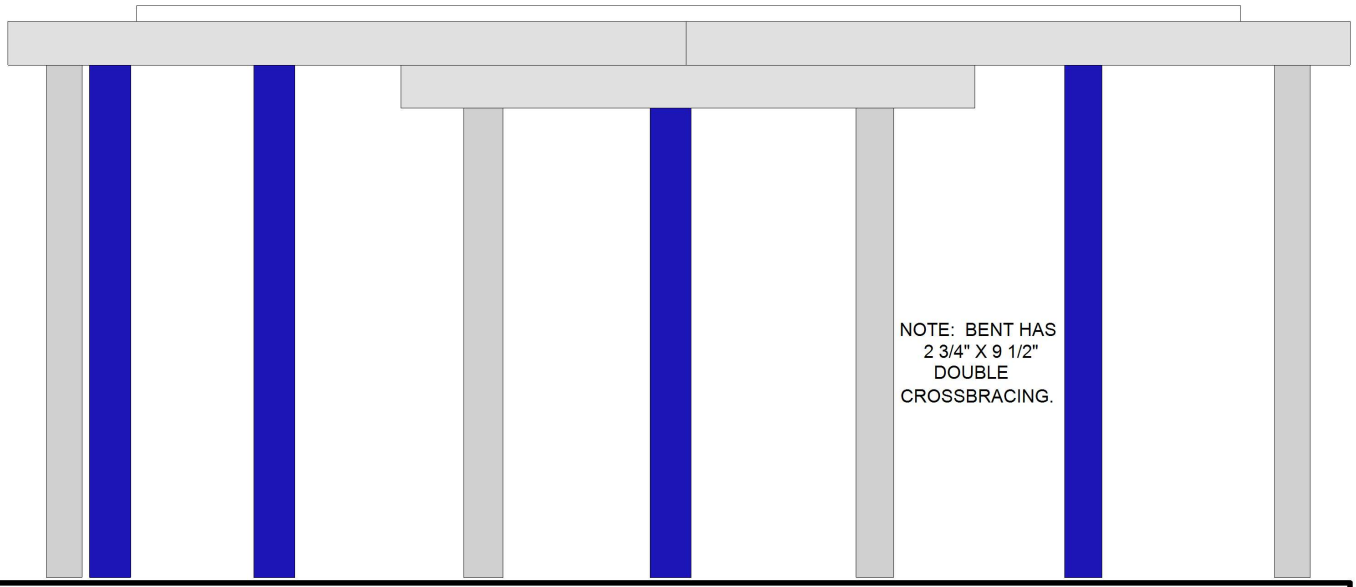
MODIFIED RS 4/4/17

Bent/Abutment #: 1 Similar Bents: 2

Title	**Description**
TYP. SECT. FOR INT. BENTS	BENT #1

Bridge No: 800088	**Drawn By:** DCR	**Date:** 04/05/07	**File Name:** S0146000034

Bridge Inspection Field Sketch



Cap Information Material Timber

Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
29.833 ft.	1 ft.	0.969 ft.	1.250 ft.	1.250 ft.	2.242 ft.	1.083 ft.

Subcap Information Material Timber

Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
12.750 ft.	1 ft.	0.958 ft.	1.830 ft.	1.830 ft.	4.5 ft.

Sill Information Material

Length	Width	Height
30 ft.	3 ft.	ft.

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	1.02 ft.	0.792 ft.			Vertical	Yes	No	No	No
2	Timber	3.65 ft.	0.917 ft.			Vertical	Yes	Yes	No	No
3	Timber	4.65 ft.	0.917 ft.			Vertical	Yes	Yes	No	No
4	Timber	4.16 ft.	0.875 ft.			Vertical	Yes	No	No	No
5	Timber	4.54 ft.	0.917 ft.			Vertical	Yes	Yes	No	No
6	Timber	4.63 ft.	0.833 ft.			Vertical	Yes	No	No	No
7	Timber	4.65 ft.	0.833 ft.			Vertical	Yes	Yes	No	No
8	Timber		0.792 ft.			Vertical	Yes	No	No	No

CAP LENGTH CHANGED, PILE SIZES CHANGED, PILE SPACING CHANGED

MODIFIED RS 4/4/17

Bent/Abutment #: 2 Similar Bents:

Title

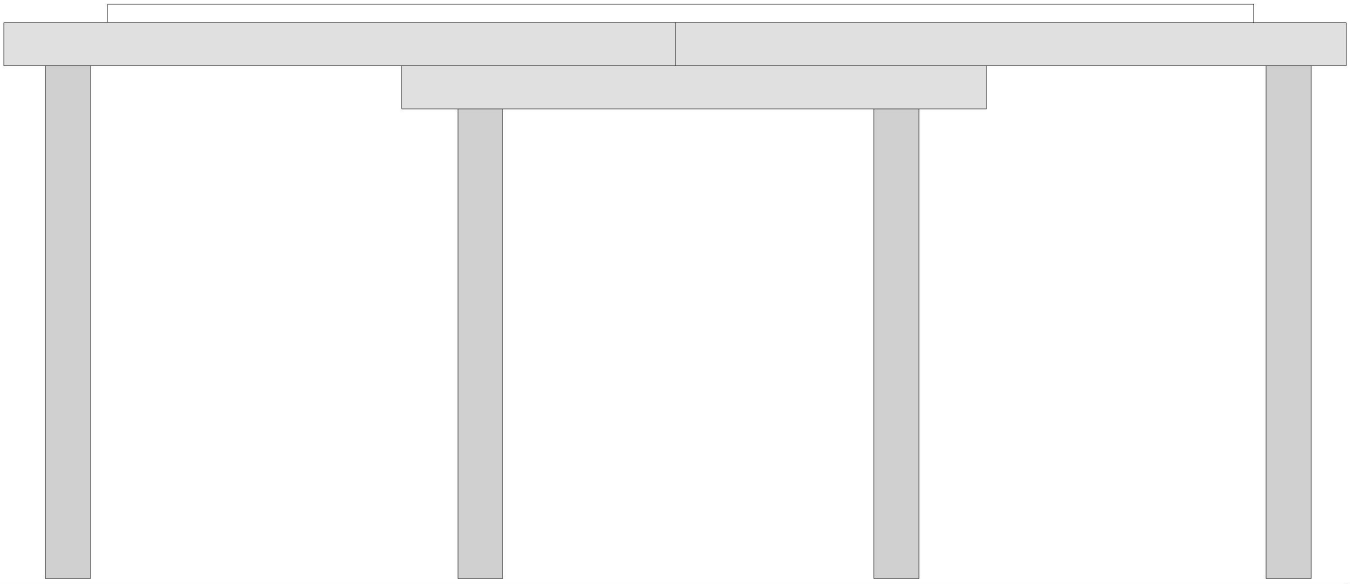
BENT #2

Description

BENT #2

Bridge No:	Drawn By:	Date:	File Name:
800088	DCR	04/05/07	S0146000035

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
30.333 ft.	1.000 ft.	0.958 ft.	1.417 ft.	1.000 ft.	1.500 ft.	1.667 ft.

Subcap Information			Material Timber		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.
13.000 ft.	1 ft.	0.958 ft.	1.750 ft.	2.000 ft.	4.33 ft.

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	9.33 ft.	0.917 ft.			Vertical	Yes	No	No	No
2	Timber	9.25 ft.	0.833 ft.			Vertical	Yes	No	No	No
3	Timber	9.33 ft.	0.833 ft.			Vertical	Yes	No	No	No
4	Timber		0.833 ft.			Vertical	Yes	No	No	No

PILE SPACING CHANGES, PILE SIZES CHANGED
TIMBER BEAM BOLSTER DIMENSIONS:
9 3/4 IN WIDE X 2 3/4 IN HIGH X 22.29875 FT LONG

MODIFIED RS 4/4/17

Bent/Abutment #: 2 Similar Bents:

Title
SUBSTRUCTURE 2

Description
END BENT 2 ELEVATION, LOOKING EAST

Bridge No:	Drawn By:	Date:	File Name:
800088	HMS	4/17/2015	S0350000390