



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCE ISSUED, TEMPORARY REPAIRS.**

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: JOHNSTON STRUCTURE NUMBER: 500145 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1555 MILE POST:

LOCATION: 0.6 MI N. OF JCT SR1010 0.6 MILE NORTH OF JUNCTION WITH SR1010

FEATURE INTERSECTED: SWIFT CREEK

LATITUDE: 35° 34' 29.72" LONGITUDE: 78° 29' 54.58"

SUPERSTRUCTURE: RC FLOOR/I-BEAMS

SUBSTRUCTURE: EBTS&IBT1:RC CAP/TIM.PILES;IBTS2-4:RCP&BEAM

5 @ 32'-6"

SPANS: 5@32.5'

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

PRESENT CONDITION: Fair INSPECTION DATE: 03/17/2016

POSTED SV: 19 POSTED TTST: 25

OTHER SIGNS PRESENT: NONE



LOOKING NORTH

Sign noticed issued for		Number Required
<u>NO</u>	WEIGHT LIMIT	<u>0</u>
<u>NO</u>	DELINEATORS	<u>0</u>
<u>YES</u>	NARROW BRIDGE	<u>2</u>
<u>NO</u>	ONE LANE BRIDGE	<u>0</u>
<u>NO</u>	LOW CLEARANCE	<u>0</u>

INSPECTED BY PAUL JACOB	SIGNATURE 	ASSISTED BY ANKITH CHILKEPALLI
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Structure Element Scoring

Structure Number: **500145**

Inspection Date **3/17/2016**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	3809	2949	860	0	0
107	0	Steel Open Girder/Beam	Beam	660	21	506	111	22
515	107	Steel Protective Coating	Beam	3582	2579	792	0	211
205	0	Reinforced Concrete Column	Piles and Columns	6	2	3	1	0
215	0	Reinforced Concrete Abutment	Abutments	64	63	0	1	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	15	15	0	0	0
225	0	Steel Pile	Piles and Columns	1	1	0	0	0
228	0	Timber Pile	Piles and Columns	12	8	4	0	0
234	0	Reinforced Concrete Pier Cap	Caps	162	73	84	5	0
301	0	Pourable Joint Seal	Expansion Joints	108	108	0	0	0
316	0	Other Bearings	Bearing Device	40	1	10	29	0
515	316	Steel Protective Coating	Bearing Device	34	-6	3	0	37
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	330	296	29	5	0
510	0	Wearing Surface	Wearing Surfaces	3535	3379	54	102	0

Element Structure Maintenance Quantities

Structure Number: **500145**

Inspection Date **03/17/2016**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	1	64	0	1	0	63
Beam	3314	Maintenance Steel Superstructure Components	639	660	22	111	506	21
Beam	3342	Clean and Paint Steel	1003	3582	211	0	792	2579
Bearing Device	3334	Bridge Bearing	39	40	0	29	10	1
Bearing Device	3342	Clean and Paint Steel	40	34	37	0	3	-6
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	34	330	0	5	29	296
Caps	3348	Maintenance of Concrete Substructure	86	162	0	5	84	73
Deck	3326	Maintenance of Concrete Deck	860	3809	0	0	860	2949
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	108	0	0	0	108
Footing	3348	Maintenance of Concrete Substructure	0	15	0	0	0	15
Piles and Columns	3344	Maintenance To Timber Substrcutre	48	12	0	0	4	8
Piles and Columns	3348	Maintenance of Concrete Substructure	23	6	0	1	3	2
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	1	0	0	0	1
Wearing Surfaces	2816	Asphalt Surface Repair	156	3535	0	102	54	3379

Element Condition and Maintenance Data

Structure Number: **500145**

Inspection Date: **03/17/2016**

Span 1 Reinforced Concrete

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	762	0	762	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

EFFLORESCENCE, UNDERSIDE OF DECK, ALL BAYS, ISOLATED LOCATIONS.

HAIRLINE MAP CRACKING, UNDERSIDE OF DECK, ALL BAYS AND RIGHT OVERHANG.

(6) 6" X 1/2" SPALLS WITH EXPOSED REINFORCING, UNDERSIDE OF DECK, AT RANDOM THROUGHOUT.

Span 1

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	707	674	0	33	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

33' X 1/16" WIDE LONGITUDINAL CRACK, LEFT LANE.

Span 1 Plate Girder 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	31	1	1	Feet
515	Steel Protective Coating	178	123	40	0	15	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' PACK RUST, BOTTOM FLANGE AND WEB, NO SECTION LOSS, AT NEAR BEARING.

33' SURFACE RUST, EXTERIOR TOP FLANGE.

33' FRECKLED RUST AND LIGHT SURFACE RUST ON THE BOTTOM FLANGE.

20% PEELING OF THE TOP COAT OF PAINT.

1' RUST SCALING WITH 0.5" REMAINING AND 1.5" DEEP BOTH SIDES, BOTTOM FLANGE, AT BENT 1 BEARING (PRIORITY MAINTENANCE).

Span 1**Plate Girder 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	33	0	0 Feet
515	Steel Protective Coating	178	146	20	0	12 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

33' FRECKLED RUST TOP AND BOTTOM FLANGE.

10% PEELING OF THE TOP COAT OF PAINT.

12 SF PEELING PAINT HAS EXPOSED BARE STEEL.

Span 1**Plate Girder 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	32	0	1 Feet
515	Steel Protective Coating	178	136	40	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING, BOTTOM FLANGE WITH 0.6" REMAINING, AND IN WEB AT DIAPHRAGM, AT BENT 1 BEARING (PRIORITY MAINTENANCE).

33' SURFACE RUST, TOP AND BOTTOM FLANGE.

Span 1**Plate Girder 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	30	2	1 Feet
515	Steel Protective Coating	178	73	80	0	25 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING, BOTTOM FLANGE WITH 7/16" REMAINING, 6" HIGH IN THE WEB WITH 0.5" REMAINING AND 1" WIDE ON THE DOWNSTREAM BOTTOM FLANGE, AT END BENT 1 BEARING (PRIORITY MAINTENANCE).

33' FRECKLED RUST AND LIGHT SURFACE RUST, TOP AND BOTTOM FLANGE, AND AT RANDOM THROUGHOUT THE WEB.

2' SHALLOW PITTING, BOTTOM FLANGE, AT BENT 1 BEARING.

25 SF COATING FAILURE DUE TO RUST AND PEELING.

40% OF COATING IS PARTIALLY EFFECTIVE.

Span 1**Other Bearing 1****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

HEAVY SURFACE RUST, MASONRY PLATE.

Span 1**Other Bearing 1****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 1**Other Bearing 2****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 1**Other Bearing 2****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 1**Other Bearing 3****Other Bearing**

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

General Comments

SURFACE RUST, MASONRY PLATE.

Span 1**Other Bearing 3****Other Bearing**

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

General Comments

PACK RUST, MASONRY PLATE.

Span 1**Other Bearing 4****Other Bearing**

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

General Comments

PACK RUST, MASONRY PLATE.

Span 1**Other Bearing 4****Other Bearing**

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

General Comments

PACK RUST, MASONRY PLATE WITH 70% SECTION LOSS TO THE EXTERIOR ANCHOR BOLT NUT.

Span 2 Reinforced Concrete**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	762	700	62	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		

General Comments

1 SF EXPOSED REINFORCING, RIGHT OVERHANG AT BENT 1.

60 SF EFFLORESCENCE, UNDERSIDE OF DECK, ISOLATED LOCATIONS, ALL BAYS.

1 SF PATCHED AREA, AROUND 6" DIAMETER CORED HOLE, BAY 1, 9' FROM BENT 2.

Span 2**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	707	673	34	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		

General Comments

6" DIAMETER PATCHED AREA, LEFT LANE, 4' FROM BENT 2.

33' X 1/32" WIDE LONGITUDINAL CRACK, LEFT LANE.

Span 2**Plate Girder 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	25	7	1	Feet
515	Steel Protective Coating	178	159	4	0	15	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
0			0	0	0		

General Comments

1' RUST SCALING WITH NO SECTION LOSS, BOTTOM FLANGE AND WEB, AT NEAR BEARING.

3' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 1.

1' RUST SCALING WITH 0.5" REMAINING, BOTTOM FLANGE, AT FAR BEARING (PRIORITY MAINTENANCE).

3' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 2.

33' SURFACE RUST, TOP AND BOTTOM FLANGE.

4 SF BLISTERING OF THE TOP COAT OF PAINT, ISOLATED LOCATIONS.

Span 2**Plate Girder 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	28	5	0 Feet
515	Steel Protective Coating	178	155	18	0	5 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING WITH NO SECTION LOSS, WEB AT BENT 1 DIAPHRAGM.

3' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM NEAR BEAR BEARING.

1' RUST SCALING, BOTTOM FLANGE AND WEB, NO SECTION LOSS, AT FAR BEARING.

33' FRECKLED RUST AND ISOLATED LOCATIONS LIGHT SURFACE RUST, TOP AND BOTTOM FLANGES.

8 SF PEELING OF THE TOP COAT OF PAINT, ISOLATED LOCATIONS.

Span 2**Plate Girder 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	30	3	0 Feet
515	Steel Protective Coating	178	153	20	0	5 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

2' SHALLOW PITTING, BOTTOM FLANGE AT NEAR BEARING.

1' RUST SCALING WITH NO SECTION LOSS, WEB, AT BENT 2 DIAPHRAGM.

33' FRECKLED RUST, TOP AND BOTTOM FLANGE.

Span 2**Plate Girder 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	25	6	2 Feet
515	Steel Protective Coating	178	123	40	0	15 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING WITH 0.5" REMAINING AND 1" DEEP BOTH SIDES, BOTTOM FLANGE, AT NEAR BEARING (PRIORITY MAINTENANCE).

3' SHALLOW PITTING, BOTTOM FLANGE MEASURED FROM NEAR BEARING.

1' RUST SCALING, BOTTOM FLANGE AND WEB WITH 0.5" REMAINING IN BOTTOM FLANGE, AT FAR BEARING (PRIORITY MAINTENANCE).

3' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM FAR BEARING.

33' HEAVY SURFACE RUST, DOWNSTREAM FACE TOP AND BOTTOM FLANGE.

33' SURFACE RUST, UPSTREAM FACE, BOTTOM FLANGE.

33' FRECKLED RUST, UPSTREAM FACE, TOP FLANGE.

Span 2 Other Bearing 1**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 2 Other Bearing 1**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 2 Other Bearing 2**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 2 Other Bearing 2**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 2**Other Bearing 3****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 2**Other Bearing 3****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 2**Other Bearing 4****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 2**Other Bearing 4****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 3 Reinforced Concrete**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	762	750	12	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

4 LOCATIONS, EXPOSED REINFORCING IN ISOLATED LOCATIONS, LEFT AND RIGHT OVERHANGS.

8 SF EFFLORESCENCE, ISOLATED LOCATIONS, BAY 3

SHALLOW SPALLS, ISOLATED LOCATIONS, BAY 1 AND BAY 3

HAIRLINE MAP CRACKS THROUGHOUT

Span 3**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	707	687	20	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

20 SF ALLIGATOR CRACKING, ISOLATED LOCATIONS LEFT LANE.

Span 3 Concrete Railing 1**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	33	31	0	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

33' HAIRLINE MAP CRACKING, THROUGHOUT RAIL, POSTS, AND CURB.

33' SCALING, TOP OF RAIL.

7" X 7" X 3/4" SPALL, TOP OF POST 5.

3" X 3" X 2" CORNER SPALL, POST 6.

Span 3**Plate Girder 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	23	10	0 Feet
515	Steel Protective Coating	178	168	0	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING WITH NO SECTION LOSS, WEB AT BENT 2 DIAPHRAGM.

4' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 2.

33' SURFACE RUST, TOP AND BOTTOM FLANGE.

5 LINEAR FEET SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.

PACK RUST, EXTERIOR FACE OF WEB, AT BENT 3 OVERHANG SUPPORT, WITHOUT SECTION LOSS

Span 3**Plate Girder 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	28	4	1 Feet
515	Steel Protective Coating	178	154	20	0	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING WITH 1/16" SECTION LOSS, WEB AT BENT 2 DIAPHRAGM (PRIORITY MAINTENANCE).

33' FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST, TOP AND BOTTOM FLANGE.

1' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 2

1' RUST STAINING, BOTTOM FLANGE, AT BENT 3 BEARING.

3' SHALLOW PITTING, BOTTOM FLANGE, DOWNSTREAM FACE, MEASURED FROM BENT 3.

Span 3**Plate Girder 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	23	10	0 Feet
515	Steel Protective Coating	178	133	40	0	5 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' PACK RUST, WEB AT BENT 2 DIAPHRAGM, WITHOUT MEASURABLE SECTION LOSS.

5' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 2.

33' SURFACE RUST AND FRECKLED RUST ON THE TOP AND BOTTOM FLANGE, ISOLATED LOCATIONS IN THE WEB.

5' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.

Span 3**Plate Girder 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	25	6	2 Feet
515	Steel Protective Coating	178	88	80	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

2' RUST SCALING WITH 0.55" REMAINING, BOTTOM FLANGE, AT NEAR BEARING (PRIORITY MAINTENANCE).

1' PACK RUST, WEB AT BENT 2 DIAPHRAGM.

33' SURFACE RUST, TOP AND BOTTOM FLANGE, WITH LIGHT SURFACE RUST ON THE DOWNSTREAM WEB.

1' PACK RUST, BOTTOM FLANGE, BENT 3 BEARING.

4' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.

Span 3**Other Bearing 1****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE, WITH 100% SECTION LOSS TO ANCHOR BOLT NUT.

Span 3**Other Bearing 1****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 3**Other Bearing 2****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	0	-1	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE WITH 100% SECTION LOSS OF THE ANCHOR ROD AND NUT, BOTH SIDES.

Span 3**Other Bearing 2****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	1	0	0	0	Each
515	Steel Protective Coating	0	-1	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					

Span 3**Other Bearing 3****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	0	-1	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					

PACK RUST, MASONRY PLATE WITH 100% SECTION LOSS OF THE ANCHOR ROD AND NUT, BOTH SIDES.

Span 3**Other Bearing 3****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	0	-1	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					

PACK RUST, MASONRY PLATE.

Span 3**Other Bearing 4****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	0	-1	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0
General Comments					

PACK RUST, MASONRY PLATE.

Span 3**Other Bearing 4****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	0	-1	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 4**Reinforced Concrete****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	761	757	4	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

4 SF EXPOSED REBAR, UNDERSIDE OF DECK, ISOLATED LOCATIONS RIGHT OVERHANG.

HAIRLINE MAP CRACKS, UNDERSIDE OF DECK THROUGHOUT.

Span 4**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	707	670	0	37	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

4' TRANSVERSE CRACK UP TO 1/4" WIDE, AT BENT 4.

33' LONGITUDINAL CRACK UP TO 1/16" WIDE, 4' FROM RIGHT RAIL.

Span 4**Concrete Railing 1****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	33	32	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

33' HAIRLINE MAP CRACKING, THROUGHOUT RAIL, POSTS, AND CURB.

33' SCALING, TOP OF RAIL.

8" X 4" X 2.5" CORNER SPALL WITH EXPOSED REINFORCING, POST 1.

Span 4 Concrete Railing 2**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	33	16	17	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

17' REPAIRED RAIL, SECOND HALF OF SPAN.

HAIRLINE MAP CRACKS THROUGHOUT CURB, RAIL, AND POSTS.

Span 4 Plate Girder 1**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	16	11	6 Feet
515	Steel Protective Coating	178	130	40	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

5' RUST SCALING, BOTTOM FLANGE AND UP TO 3" IN THE WEB WITH 0.5" REMAINING IN BOTTOM FLANGE AND 1/16" SECTION LOSS IN THE WEB, MEASURED FROM BENT 3 (PRIORITY MAINTENANCE).

33' SURFACE RUST, TOP AND BOTTOM FLANGE.

1' RUST SCALE WITH 0.5" REMAINING, BOTTOM FLANGE AT BENT 4 BEARING (PRIORITY MAINTENANCE).

12' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 4.

Span 4 Other Bearing 1**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, WITH 100% SECTION LOSS ON THE UPSTREAM CONNECTOR.

Span 4 Other Bearing 1**Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 4**Plate Girder 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	28	5	0 Feet
515	Steel Protective Coating	178	130	40	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING, BOTTOM FLANGE, BENT 3 BEARING.

3' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.

33' FRECKLED RUST, TOP AND BOTTOM FLANGE.

PEELING PAINT HAS EXPOSED BARE STEEL, 2 LOCATIONS, UPSTREAM FACE OF WEB.

1' PACK RUST, BOTTOM FLANGE, BENT 4 BEARING.

2' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 4.

1' PACK RUST, WEB AT BENT 4 DIAPHRAGM, NO SECTION LOSS.

Span 4**Other Bearing 2****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, WITH 100% SECTION LOSS ON THE DOWNSTREAM CONNECTOR.

Span 4**Other Bearing 2****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 4**Plate Girder 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	26	6	1	Feet
515	Steel Protective Coating	200	144	40	0	16	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALE WITH 1/16" SECTION LOSS, WEB AT BENT 3 DIAPHRAGM (PRIORITY MAINTENANCE).

4' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.

33' FRECKLED RUST WITH ISOLATED LOCATIONS LIGHT SURFACE RUST, TOP AND BOTTOM FLANGE.

12 SF BLISTERING PAINT HAS EXPOSED BARE STEEL, UPSTREAM WEB, AT RANDOM THROUGHOUT.

1' RUST SCALING WITH NO SECTION LOSS, WEB AT BENT 4 DIAPHRAGM.

3' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 4.

Span 4**Other Bearing 3****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, WITH 40% SECTION LOSS, UPSTREAM AND DOWNSTREAM ANCHOR BOLT NUT.

Span 4**Other Bearing 3****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 4**Plate Girder 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	15	16	2 Feet
515	Steel Protective Coating	178	83	80	0	15 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING, BOTTOM FLANGE AND WEB, BENT 3 BEARING. 0.45" REMAINING BOTTOM FLANGE. 1/16" SECTION LOSS WEB AT BENT 3 DIAPHRAGM (PRIORITY MAINTENANCE).

6' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.

1' RUST SCALING, BOTTOM FLANGE AND WEB AT BENT 4 DIAPHRAGM, 0.3" REMAINING, DOWNSTREAM BOTTOM FLANGE, 0.4" REMAINING US BOTTOM FLANGE (PRIORITY MAINTENANCE).

12' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 4.

33' FRECKLED RUST WITH ISOLATED LOCATIONS LIGHT SURFACE RUST, TOP AND BOTTOM FLANGE.

Span 4**Other Bearing 4****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, 100% SECTION LOSS ANCHOR BOLT NUT UPSTREAM FACE.

Span 4**Other Bearing 4****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, 60% SECTION LOSS ANCHOR BOLT NUT, DOWNSTREAM SIDE.

Span 5**Reinforced Concrete****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	762	742	20	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

20 SF EFFLORESCENCE, UNDERSIDE OF DECK, BAY 1, BAY 2, AND BAY 3, RANDOM THROUGHOUT.

Span 5**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	707	675	0	32	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

22' TRANSVERSE CRACK UP TO 1/2" WIDE, AT END BENT 2.

10' X UP TO 1/8" LONGITUDINAL CRACK, 3' FROM LEFT RAIL, MEASURED FROM BENT 4.

Span 5**Concrete Railing 1****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	33	32	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

33' HAIRLINE MAP CRACKING, THROUGHOUT RAIL, POSTS, AND CURB.

33' SCALING, TOP OF RAIL.

7" X 6" X 3" CORNER SPALL, TOP RAIL AT MID SPAN.

Span 5**Concrete Railing 2****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	33	20	12	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

12' REPAIRED AREA, MEASURED FROM BENT 4.

HAIRLINE MAP CRACKS THROUGHOUT CURB, RAIL, AND POSTS.

6" X 4" X 4" CORNER DELAMINATION, RAIL POST AT MID SPAN.

Span 5**Plate Girder 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	21	0	11	1 Feet
515	Steel Protective Coating	178	168	0	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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0 0 0 0

General Comments

1' RUST SCALING, BOTTOM FLANGE, AT BENT 4 BEARING, 0.5" REMAINING (PRIORITY MAINTENANCE).

12' SHALLOW PITTING, TOP AND BOTTOM FLANGE, MEASURED FROM BENT 4.

1' PACK RUST, WEB AT BENT 4 DIAPHRAGM, NO SECTION LOSS.

Span 5**Other Bearing 1****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 5**Other Bearing 1****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 5**Plate Girder 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	31	0	2 Feet
515	Steel Protective Coating	178	144	30	0	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

2' RUST SCALING, BOTTOM FLANGE AND WEB, 1/16" SECTION LOSS WEB AT BENT 4 DIAPHRAGM, 0.15" REMAINING UPSTREAM BOTTOM FLANGE TAPERING TO 0.5" REMAINING DOWNSTREAM BOTTOM FLANGE, AT BENT 4 BEARING (PRIORITY MAINTENANCE).

33' FRECKLED RUST, TOP AND BOTTOM FLANGE.

10 SF PEELING OF THE TOP COAT OF PAINT, ISOLATED LOCATIONS, UPSTREAM FACE.

Span 5**Other Bearing 2****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, WITH UP TO 100% SECTION LOSS ANCHOR BOLT NUTS.

Span 5**Other Bearing 2****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 5**Plate Girder 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	27	6	0 Feet
515	Steel Protective Coating	178	86	80	0	12 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' PACK RUST, WEB AT BENT 4 DIAPHRAGM.

6' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 4.

33' FRECKLED RUST, TOP AND BOTTOM FLANGE AND WEB.

Span 5**Other Bearing 3****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

Span 5**Other Bearing 3****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

SURFACE RUST, MASONRY PLATE.

Span 5**Plate Girder 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	33	0	30	2	1 Feet
515	Steel Protective Coating	178	83	80	0	15 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

1' RUST SCALING, BOTTOM FLANGE AND WEB, 1/16" SECTION LOSS IB WEB, 0.4" REMAINING BOTTOM FLANGE, AT BENT 4 BEARING (PRIORITY MAINTENANCE).

3' SHALLOW PITTING, BOTTOM FLANGE, UPSTREAM FACE.

33' FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST, TOP AND BOTTOM FLANGE.

Span 5**Other Bearing 4****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE, WITH 40% SECTION LOSS, DOWNSTREAM ANCHOR BOLT NUT.

Span 5**Other Bearing 4****Other Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

PACK RUST, MASONRY PLATE.

DOWNSTREAM PORTION OF BEARING IS COVERED BY GROUTED SLOPE PROTECTION.

Bent 1 Reinforced Concrete**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	14	11	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

2' HAIRLINE VERTICAL CRACKS, APPROXIMATELY 1' ON CENTER, BENEATH BAYS 1 AND 2, SPAN 1 FACE.

14" X 7" X 2" SPALL, UNDERSIDE OF CAP, AT PILE 1.

Bent 1 Timber Pile 1**Timber Pile**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

12' CHECKS UP TO 1/8" WIDE, 1.5" DEEP.

Bent 1 Timber Pile 3**Timber Pile**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

12' CHECKS UP TO 1/8" WIDE, 1.75" DEEP.

Bent 1 Timber Pile 4**Timber Pile**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

12' CHECKS UP TO 1/8" WIDE, 1" DEEP.

Bent 1**Timber Pile 5****Timber Pile**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

12' CHECKS UP TO 3/16" WIDE, 1" DEEP

Bent 1**Reinforced Concrete****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	32	31	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

3" X 5" X 2" SPALL, TOP OF ABUTMENT BACKWALL, RIGHT END.

Bent 1**Reinforced Concrete****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	9	18	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

18' AREA OF HAIRLINE TRANSVERSE VERTICAL CRACKS, APPROXIMATELY 16" ON CENTER, BENEATH BAYS 1, 2, AND 3' INTO BAY 3.

Bent 2**Reinforced Concrete****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	18	9	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

10" DIAMETER DELAMINATION, SPAN 2 FACE, BOTTOM OF CAP, NEAR MIDSPAN.

8' AREA OF HAIRLINE VERTICAL CRACKS AT 12" CENTERS BENEATH BAY 3.

Reinforced Concrete

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

14" X 3" DELAMINATION, UPSTREAM FACE, MID HEIGHT.

Reinforced Concrete

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

9" SECTION OF EXPOSED REINFORCING WITH MINOR SECTION LOSS, SPAN 3 FACE, AT WATER SURFACE.
(PRIORITY MAINTENANCE)

30"X6" CORNER DELAMINATION ON UPSTREAM FACE, 12"X6" ON SPAN 3 FACE, MID-HEIGHT.

7" X 4" X 1/2" SPALL WITH EXPOSED REINFORCING, SPAN 3 FACE, DOWNSTREAM SIDE, 5' FROM WATER SURFACE. (PRIORITY MAINTENANCE)

4" DIAMETER X 1/2" SPALL, SPAN 3 FACE, DOWNSTREAM SIDE 3' FROM WATER SURFACE.

20" X 1" X 1" SPALL WITH EXPOSED REINFORCING, WITH SECTION LOSS, SPAN 2 FACE, 4' FROM WATER SURFACE. (PRIORITY MAINTENANCE)

36" X 6" X 2" CORNER DELAMINATION, SPAN 3 FACE, 2' FROM TOP OF COLUMN.

Reinforced Concrete

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	0	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

27' AREA OF UP TO 10" TRANSVERSE HAIRLINE CRACKS, 18" ON CENTER, BENEATH ALL BAYS.

Reinforced Concrete

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	17	10	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

4' X 1/32" LONGITUDINAL CRACK, BENEATH BAY 1, SPAN 3 FACE.

4' VERTICAL HAIRLINE CRACKS AT APPROX. 14" CENTERS, BENEATH BAY 1, SPAN 3 FACE.

24" X 10" DELAMINATION WITH 1/32" WIDE HAIRLINE LONGITUDINAL CRACK, SPAN 3 FACE, BENEATH BEAM 2.

HAIRLINE MAP CRACKS BENEATH BAY 2, SPAN 3 FACE.

2' X 1/64" VERTICAL CRACKS AT 12" CENTERS WITH 1/64" LONGITUDINAL CRACKS BENEATH BEAM 1, SPAN 4 FACE.

2' X 1/32" LONGITUDINAL CRACK, BENEATH BEAM 2, SPAN 4 FACE.

TRANSVERSE HAIRLINE CRACKS 6" LONG, 18" CENTERS, BENEATH BAY 3, SPAN 4 FACE.

Bent 3 Reinforced Concrete

Reinforced Concrete Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

(2) DELAMINATIONS, 36" X 9" X 3" CORNER DELAMINATION, 16"X10" DELAMINATION, BOTH AT TOP OF COLUMN, SPAN 4 FACE.

16"x5" DELAMINATION ON THE DOWNSTREAM FACE OF CORBEL.

Bent 4 Reinforced Concrete

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	15	9	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

48" TRANSVERSE HAIRLINE CRACKS , 42" ON CENTER, SPAN 4 FACE, BENEATH BAY 2, WITH 12" LONGITUDINAL HAIRLINE CRACK, TOP FACE.

2' TRANSVERSE HAIRLINE CRACKS, 24" ON CENTER, BENEATH BAY 3 WITH 15" LONGITUDINAL HAIRLINE CRACK.

4" LONG, TRANSVERSE HAIRLINE CRACKS, 10" CENTERS, BAY 3 NEAR BEAM 3.

8' TRANSVERSE HAIRLINE CRACKS, 30" ON CENTER, BAY 1, SPAN 5 FACE WITH A 3" DIAMETER DELAMINATION.

36" X 12" DELAMINATION, BENEATH BEAM 3.

36"X6"X2" CORNER DELAMINATION, SPAN 5 FACE, BENEATH BAY 2.

24" X 1/32" LONGITUDINAL CRACK, STARTING AT BEAM 2 AND RUNNING DOWNSTREAM.

Bent 4**Reinforced Concrete****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinforced Concrete Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
0			0	0	0

General Comments

6" X 3" X 1/2" SPALL WITH EXPOSED REINFORCING, SPAN 4 FACE, 4' FROM GROUND. (PRIORITY MAINTENANCE)

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1		Reinforced Concrete Deck	Reinforced Concrete Deck	762
Span 1		Plate Girder	Steel Open Girder/Beam	33
Span 1		Plate Girder	Steel Open Girder/Beam	33
Span 1		Plate Girder	Steel Open Girder/Beam	33
Span 1		Plate Girder	Steel Open Girder/Beam	33
Span 1		Concrete Railing	Other Bridge Railing	33
Span 1		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 1		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 1		Asphalt Wearing Surface	Wearing Surface	707
Span 1		Other Bearing	Other Bearings	1
Span 1		Other Bearing	Other Bearings	1
Span 1		Other Bearing	Other Bearings	1
Span 1		Other Bearing	Other Bearings	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Steel Pile	Steel Pile	1
Bent 1		Timber Pile	Timber Column	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	32
Span 2		Reinforced Concrete Deck	Reinforced Concrete Deck	762
Span 2		Plate Girder	Steel Open Girder/Beam	33
Span 2		Plate Girder	Steel Open Girder/Beam	33
Span 2		Plate Girder	Steel Open Girder/Beam	33
Span 2		Plate Girder	Steel Open Girder/Beam	33
Span 2		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 2		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 2		Asphalt Wearing Surface	Wearing Surface	707
Span 2		Other Bearing	Other Bearings	1
Span 2		Other Bearing	Other Bearings	1
Span 2		Other Bearing	Other Bearings	1
Span 2		Other Bearing	Other Bearings	1
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	32
Span 3		Reinforced Concrete Deck	Reinforced Concrete Deck	762
Span 3		Plate Girder	Steel Open Girder/Beam	33
Span 3		Plate Girder	Steel Open Girder/Beam	33
Span 3		Plate Girder	Steel Open Girder/Beam	33
Span 3		Plate Girder	Steel Open Girder/Beam	33
Span 3		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 3		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 3		Asphalt Wearing Surface	Wearing Surface	707

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3		Other Bearing	Other Bearings	1
Span 3		Other Bearing	Other Bearings	1
Span 3		Other Bearing	Other Bearings	1
Span 3		Other Bearing	Other Bearings	1
Bent 3		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
Span 4		Reinforced Concrete Deck	Reinforced Concrete Deck	761
Span 4		Plate Girder	Steel Open Girder/Beam	33
Span 4		Plate Girder	Steel Open Girder/Beam	33
Span 4		Plate Girder	Steel Open Girder/Beam	33
Span 4		Plate Girder	Steel Open Girder/Beam	33
Span 4		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 4		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 4		Asphalt Wearing Surface	Wearing Surface	707
Span 4		Other Bearing	Other Bearings	1
Span 4		Other Bearing	Other Bearings	1
Span 4		Other Bearing	Other Bearings	1
Span 4		Other Bearing	Other Bearings	1
Bent 4		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Span 5		Reinforced Concrete Deck	Reinforced Concrete Deck	762
Span 5		Plate Girder	Steel Open Girder/Beam	33
Span 5		Plate Girder	Steel Open Girder/Beam	33
Span 5		Plate Girder	Steel Open Girder/Beam	33
Span 5		Plate Girder	Steel Open Girder/Beam	33
Span 5		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 5		Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 5		Asphalt Wearing Surface	Wearing Surface	707
Span 5		Other Bearing	Other Bearings	1
Span 5		Other Bearing	Other Bearings	1
Span 5		Other Bearing	Other Bearings	1
Span 5		Other Bearing	Other Bearings	1

National Bridge and NC Inspection Items

Structure Number: 500145

Inspection Date: 03/17/2016

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	6
Item 61: Channel and Channel Protection	0 - 9 , N	6
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	5
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	F	20	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	15	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	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	G		
Estimated Remaining Life	0 - 100 Years	9		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	Y
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	20
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	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 500145

Inspection Date: 03/17/2016

Item	Superstructure - Item 59	Grade	6	Maint Code		Qty.	0
Details							
END DIAPHRAGMS:							
8' X 6" X 1" SPALL WITH EXPOSED REINFORCING, END DIAPHRAGM, SPAN 3, BAY 1, OVER BENT 2.							
DELAMINATIONS UP TO FULL LENGTH, ALL BAYS, SPAN 1 AND 2 SIDES AT BENT 1.							
18" EXPOSED REINFORCING, BAY 2, SPAN 2 DIAPHRAGM AT BENT 2.							
DELAMINATION, BAY 2 SPAN 3 SIDE AND BAY 1 SPAN 4 SIDE, BENT 4.							
EXPOSED REINFORCING, BAY 2, SPAN 4 SIDE, BENT 4.							
Item	Substructure - Item 60	Grade	6	Maint Code		Qty.	0
Details							
BENT 1 DIAGONAL BRACING : 80 LINEAR FEET OF CHECKING UP TO 1/16" X 1/2" IN THE SPAN 1 FACE AND SPAN 2 FACE BRACES							
Item	Waterway Adequacy - Item 71	Grade	5	Maint Code		Qty.	0
Details							
DRIFT IN SUPERSTRUCTURE.							
Item	Approach Roadway Alignment - Item 72	Grade	8	Maint Code		Qty.	0
Details 15' X 22' AREA OF UP TO 1/2" CRACKS IN ASPHALT WEARING SURFACE, NORTH APPROACH.							
Item	Other Equipment Used	Grade	Y	Maint Code		Qty.	0
Details							
WADERS.							
Item	Drainage System	Grade	F	Maint Code	3332	Qty.	20
Details							
ASPHALT WEARING SURFACE HAS OBSTRUCTED APPROXIMATELY 50% OF THE SCUPPERS.							
Item	Slope Protection	Grade	F	Maint Code	3352	Qty.	15
Details							
SPAN 1 SLOPE PROTECTION:							
HAIRLINE CRACKS, ISOLATED LOCATIONS.							
4" DIAMETER SPALL, BENEATH BEAM 3.							
3'X2' PATCHED AREA, BENEATH BEAM 4.							
SETTLEMENT UP TO 1/8", MEASURED IN THE GROUT AT THE FACE OF END BENT 1 CAP.							



Approach Roadway: 15' X 22' AREA OF UP TO 1/2" CRACKS IN ASPHALT WEARING SURFACE, NORTH APPROACH.

SLOPE PROTECTION END BENT 1 : SETTLEMENT UP TO 1/8"



Span 1 Deck: EFFLORESCENCE, UNDERSIDE OF DECK, ALL BAYS, ISOLATED LOCATIONS.



Span 1 Deck: (6) UP TO 6" DIAMETER X 1/2" SPALLS WITH EXPOSED REINFORCING, UNDERSIDE OF DECK, AT RANDOM THROUGHOUT.



Span 1 Beam 1: 1' PACK RUST, BOTTOM FLANGE AND WEB, NO SECTION LOSS, AT NEAR BEARING.



Span 1 Beam 1: 20% PEELING OF THE TOP COAT OF PAINT.



Span 1 Beam 3: 1' RUST SCALE WITH SECTION LOSS, 0.6" REMAINING, BOTTOM FLANGE AND WEB AT DIAPHRAGM, AT BENT 1 BEARING (PRIORITY MAINTENANCE).



Span 1 Beam 4: 1' RUST SCALE WITH SECTION LOSS, 0.44" REMAINING, BOTTOM FLANGE EXTENDING 6" INTO THE WEB, AT END BENT 1 BEARING (PRIORITY MAINTENANCE).



Span 1 Beam 4: 33' FRECKLED RUST AND LIGHT SURFACE RUST, TOP AND BOTTOM FLANGE, AND AT RANDOM THROUGHOUT THE WEB.



Span 1 Beam 4: 2' SHALLOW PITTING, BOTTOM FLANGE, AT BENT 1 BEARING.



Span 1 Beam 1: 1' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE, AT BENT 1 BEARING (PRIORITY MAINTENANCE).



Span 1 Beam 4 Far Bearing : PACK RUST, MASONRY PLATE WITH 70% SECTION LOSS TO THE EXTERIOR ANCHOR BOLT NUT.



End Bent 1 Cap : 18' AREA OF HAIRLINE TRANSVERSE VERTICAL CRACKS, APPROXIMATELY 16" ON CENTER, BENEATH BAYS 1, 2, AND 3' INTO BAY 3.



End Bent 1 Abutment/Backwall : 3" X 5" X 2" SPALL, TOP OF ABUTMENT BACKWALL, RIGHT END.



Bent 1 Cap : 12' AREA OF HAIRLINE VERTICAL CRACKS, APPROXIMATELY 1' ON CENTER, BENEATH BAYS 1 AND 2, SPAN 1 FACE.



Bent 1 Cap : 14" X 7" X 2" SPALL, UNDERSIDE OF CAP, AT PILE 1.



Span 2 Beam 1: 1' RUST SCALING WITH NO SECTION LOSS, BOTTOM FLANGE AND WEB, AT NEAR BEARING.



Span 2 Beam 1: 1' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE, AT BENT 2 BEARING (PRIORITY MAINTENANCE).



Span 2 Beam 2: 1' RUST SCALING WITH NO SECTION LOSS, WEB AT BENT 1 DIAPHRAGM.



Span 2 Beam 2: 1' RUST SCALING, BOTTOM FLANGE AND WEB, NO SECTION LOSS, AT FAR BEARING.



Span 2 Beam 3: 1' RUST SCALING WITH NO SECTION LOSS, WEB, AT BENT 2 DIAPHRAGM.



Span 2 Beam 4: 1' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE, AT BENT 1 BEARING (PRIORITY MAINTENANCE).



Span 2 Beam 4: 1' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE AND WEB, AT BENT 2 BEARING (PRIORITY MAINTENANCE).



Span 2 Deck: 1 SF PATCHED AREA, AROUND 6" DIAMETER CORED HOLE, BAY 1, 9' FROM BENT 2.



Bent 2 Cap : 10" DIAMETER DELAMINATION, SPAN 2 FACE, BOTTOM OF CAP, NEAR MIDSPAN.



Bent 2 Pile 1: 14" X 3" DELAMINATION, UPSTREAM FACE, MID HEIGHT.



Bent 2 Pile 2: 9" SECTION OF EXPOSED REINFORCING WITH MINOR SECTION LOSS, SPAN 3 FACE, AT WATER SURFACE. (PRIORITY MAINTENANCE)



Bent 2 Pile 2: 30"X6" CORNER DELAMINATION ON UPSTREAM FACE, 12"X6" ON SPAN 3 FACE, MID-HEIGHT.



Bent 2 Pile 2: 20" X 1" X 1" SPALL WITH EXPOSED REINFORCING, WITH SECTION LOSS, SPAN 2 FACE, 4' FROM WATER SURFACE. (PRIORITY MAINTENANCE)



Bent 2 Pile 2 : 7" X 4" X 1/2" SPALL WITH EXPOSED REINFORCING, SPAN 3 FACE, DOWNSTREAM SIDE, 5' FROM WATER SURFACE. (PRIORITY MAINTENANCE)



Bent 2 Pile 2: 36" X 6" X 2" CORNER DELAMINATION, SPAN 3 FACE, 2' FROM TOP OF COLUMN.



Span 3 Beam 1: 1' RUST STAINING WITH NO SECTION LOSS, WEB AT BENT 2 DIAPHRAGM.



Span 3 Beam 2: 1' RUST SCALE WITH SECTION LOSS, 0.44" REMAINING, WEB AT BENT 2 DIAPHRAGM (PRIORITY MAINTENANCE).



Superstructure: 8' X 6" X 1" SPALL WITH EXPOSED REINFORCING, END DIAPHRAGM, SPAN 3, BAY 1, OVER BENT 2.



Span 3 Beam 4: 2' RUST SCALE WITH SECTION LOSS, 0.55" REMAINING, BOTTOM FLANGE, AT BENT 2 BEARING (PRIORITY MAINTENANCE).



Span 3 Beam 2: 1' RUST SCALING, BOTTOM FLANGE, AT BENT 3 BEARING.



Bent 3 Cap : 4' X 1/32" CRACK, BENEATH BAY 1, SPAN 3 FACE.



Bent 3 Cap : 24" X 10" DELAMINATION WITH 1/32" WIDE HAIRLINE LONGITUDINAL CRACK, SPAN 3 FACE, BENEATH BEAM 2.



Span 3 Beam 3: 5' SHALLOW PITTING, BOTTOM FLANGE, MEASURED FROM BENT 3.



Span 4 Beam 1: 5' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE AND EXTENDING 3" IN THE WEB, AT BENT 3 BEARING (PRIORITY MAINTENANCE).



Bent 3 Cap : 2' X 1/64" VERTICAL CRACKS AT 12" CENTERS WITH 1/64" LONGITUDINAL CRACKS, BENEATH BEAM 1, SPAN 4 FACE.



Bent 3 Cap : 2' X 1/32" LONGITUDINAL CRACK, BENEATH BEAM 2, SPAN 4 FACE.



Span 4 Beam 2: 1' RUST SCALING, BOTTOM FLANGE, BENT 3 BEARING.



Span 4 Beam 3: 1' RUST SCALE WITH SECTION LOSS, 0.44" REMAINING, WEB AT BENT 3 DIAPHRAGM (PRIORITY MAINTENANCE).



Span 4 Beam 3: 12 SF BLISTERING PAINT HAS EXPOSED BARE STEEL, UPSTREAM WEB, AT RANDOM THROUGHOUT.



Bent 3 Pile 2: (2) DELAMINATIONS, 36" X 9" X 3" CORNER DELAMINATION, 16" X 10" DELAMINATION, BOTH AT TOP OF COLUMN, SPAN 4 FACE.



Span 4 Beam 4: 1' RUST SCALE WITH SECTION LOSS, 0.45" REMAINING, BOTTOM FLANGE AND WEB, AT BENT 3 BEARING (PRIORITY MAINTENANCE).



Span 4 Beam 1: 1' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE AT BENT 4 BEARING (PRIORITY MAINTENANCE).



Span 5 Beam 1: 1' RUST SCALE WITH SECTION LOSS, 0.5" REMAINING, BOTTOM FLANGE, AT BENT 4 BEARING (PRIORITY MAINTENANCE).



Span 4 Beam 3: 1' RUST SCALING WITH NO SECTION LOSS, WEB AT BENT 4 DIAPHRAGM.



Bent 4 Cap : 48" TRANSVERSE HAIRLINE CRACKS , 42" ON CENTER, SPAN 4 FACE, WITH 12" LONGITUDINAL HAIRLINE CRACK, TOP FACE.



Bent 4 Cap : 2' TRANSVERSE HAIRLINE CRACKS, 24" ON CENTER, BENEATH BAY 3 WITH 15" LONGITUDINAL HAIRLINE CRACK.



Span 4 Beam 4: 1' RUST SCALE WITH SECTION LOSS, 0.3" REMAINING, BOTTOM FLANGE AND WEB, AT BENT 4 BEARING (PRIORITY MAINTENANCE).



Span 5 Beam 4: 1' RUST SCALE WITH SECTION LOSS, 0.4" REMAINING, BOTTOM FLANGE AND WEB, AT BENT 4 BEARING (PRIORITY MAINTENANCE).



Span 5 Beam 2: 2' RUST SCALING, BOTTOM FLANGE AND WEB, 1/16" SECTION LOSS WEB AT BENT 4 DIAPHRAGM, 0.15" REMAINING UPSTREAM BOTTOM FLANGE TAPERING TO 0.5" REMAINING DOWNSTREAM BOTTOM FLANGE, AT BENT 4 BEARING (PRIORITY MAINTENANCE).



Bent 4 Cap : 8' AREA OF TRANSVERSE HAIRLINE CRACKS, 30" ON CENTER, BAY 1, SPAN 5 FACE WIT A 3" DIAMETER DELAMINATION.



Span 5 Deck: 20 SF EFFLORESCENCE, UNDERSIDE OF DECK, BAY 1, BAY 2, AND BAY 3, RANDOM THROUGHOUT.



End Bent 2 Cap : 27' AREA OF UP TO 10" TRANSVERSE HAIRLINE CRACKS, 18" ON CENTER, BENEATH ALL BAYS.



Span 5 Right Bridge Rail: 12' REPAIRED AREA, MEASURED FROM BENT 4.



Span 5 Right Bridge Rail: 6" X 4" X 4" DELAMINATION, RAIL POST AT MID SPAN.



Span 5 Wearing Surface: 10' X UP TO 1/8" LONGITUDINAL CRACK, 3' FROM LEFT RAIL, MEASURED FROM BENT 4.



Span 2 Wearing Surface: 6" DIAMETER PATCHED AREA, LEFT LANE, 4' FROM BENT 2.



Span 3 Left Bridge Rail: 7" X 7" X 3/4" SPALL, TOP OF POST 5.



Span 3 Left Bridge Rail: 3" X 3" X 2" CORNER SPALL, POST 6.



Span 4 Left Bridge Rail: 8" X 4" X 2.5" CORNER SPALL WITH EXPOSED REINFORCING, POST 1.



Span 5 Left Bridge Rail: 7" X 6" X 3" CORNER SPALL, TOP RAIL AT MID SPAN.



Slope Protection: SETTLEMENT UP TO 1/8", MEASURED IN THE GROUT AT THE FACE OF END BENT 1 CAP.



Bent 4 Pile 2: 6" X 3" X 1/2" SPALL WITH EXPOSED REINFORCING, SPAN 4 FACE, 4' FROM GROUND.
(PRIORITY MAINTENANCE)



LOOKING NORTH



SOUTHEAST GUARDRAIL



SOUTHWEST GUARDRAIL



POSTING



CRACK IN ASPHALT WEARING SURFACE OVER END BENT 1, LOOKING WEST



JOINT OVER BENT 1, LOOKING WEST



JOINT OVER BENT 2, LOOKING WEST



JOINT OVER BENT 3, LOOKING WEST



JOINT OVER BENT 4, LOOKING WEST



JOINT OVER END BENT 2, LOOKING WEST



NORTHEAST GUARDRAIL ATTACHMENT



NORTHWEST GUARDRAIL ATTACHMENT



NORTHWEST WINGWALL



BEARING ASSEMBLY OVER BENT 4, LOOKING EAST



NORTHEAST GUARDRAIL



INTERMEDIATE DIAPHRAGM, SPAN 5, BAY 2, LOOKING NORTH



END DIAPHRAGM, BAY 2, BENT 4, LOOKING SOUTH



NORTHEAST WINGWALL



NORTHWEST GUARDRAIL



NORTHWEST GUARDRAIL TERMINAL



NORTHEAST GUARDRAIL TERMINAL



BEARING ASSEMBLY, BEAM 3, AT END BENT 2



SOUTHWEST GUARDRAIL ATTACHMENT



SOUTHWEST GUARDRAIL TERMINAL



SOUTHEAST GUARDRAIL TERMINAL



LOOKING NORTH



SOUTH APPROACH



END BENT 1, LOOKING NORTH



SOUTH APPROACH, LOOKING SOUTH



END BENT 1 ELEVATION, LOOKING SOUTH



BENT 1 ELEVATION, LOOKING NORTH



SUPERSTRUCTURE UNDERSIDE, SPAN 1, LOOKING SOUTH



SUPERSTRUCTURE UNDERSIDE, SPAN 2, LOOKING NORTH



BENT 2 ELEVATION, LOOKING NORTH



BENT 3 ELEVATION, LOOKING NORTH



SUPERSTRUCTURE UNDERSIDE, SPAN 3, LOOKING NORTH



SOUTHEAST WINGWALL



SOUTHWEST WINGWALL



UPSTREAM VIEW, LOOKING WEST



DOWNSTREAM VIEW, LOOKING EAST



METAL RAIL ATTACHMENT TO CONCRETE RAIL



SOUTHEAST GUARDRAIL ATTACHMENT



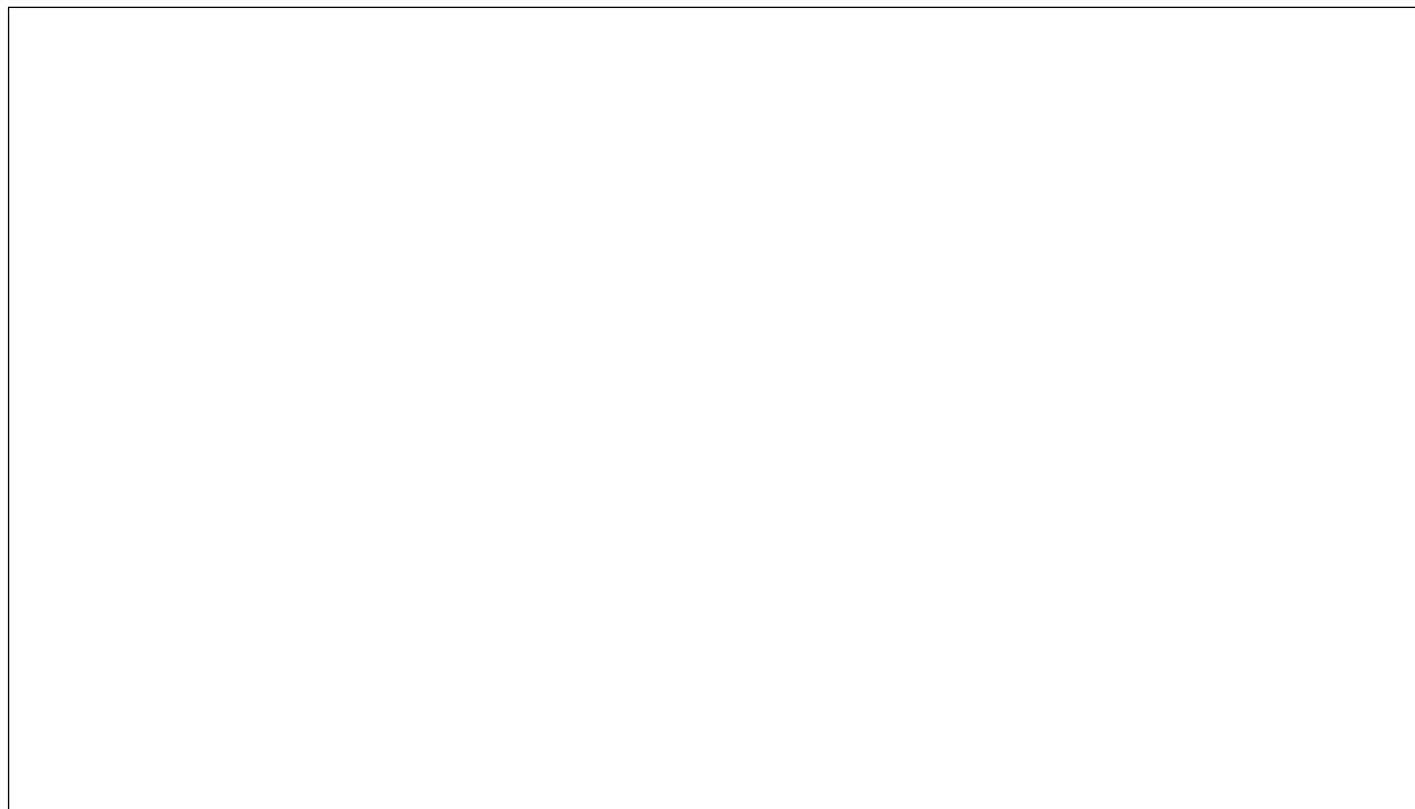
EAST BRIDGE RAIL



WEST BRIDGE RAIL



BENT 4 ELEVATION, LOOKING NORTH



SUPERSTRUCTURE UNDERSIDE SPAN 4



END BENT 2 ELEVATION, LOOKING NORTH



NORTH APPROACH, LOOKING SOUTH



NORTH APPROACH, LOOKING NORTH



DOWNSTREAM PROFILE, LOOKING WEST



UPSTREAM PROFILE, LOOKING EAST



END BENT 2 SLOPE PROTECTION, LOOKING NORTH



ASPHALT WEARING SURFACE, SPAN 5, LOOKING WEST



ASPHALT WEARING SURFACE, SPAN 4, LOOKING WEST



ASPHALT WEARING SURFACE, SPAN 2, LOOKING WEST



ASPHALT WEARING SURFACE, SPAN 1, LOOKING WEST



END BENT 1 SLOPE PROTECTION, LOOKING SOUTH



ASPHALT WEARING SURFACE, SPAN 3, LOOKING WEST