NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

**ATTENTION:** NEW REPAIRS, SNOOPER USED, NEW LMC REPLACES AWS, NEWLY STRUCTURALLY DEFICIENT, CHANGE IN NBI RATING FOR ITEMS 58, 60, AND 61, CHANGE IN STRUCTURE DATA.

# Structure Safety Report

## Routine Element Inspection - Contract

**INSPECTION DATE:** 06/25/2019

**DIVISION:** 4 **COUNTY:** JOHNSTON **STRUCTURE NUMBER:** 500100 **FREQUENCY:** 24 MONTHS

**FACILITY CARRIED:** I95N I-95 NBL **MILE POST:** 91.5

**LOCATION:** 1.8MI.N.JCT.I95,US301&701

**FEATURE INTERSECTED:** NEUSE RIVER

**LATITUDE:** 35° 28' 38.94" **LONGITUDE:** 78° 22' 4.39"

**SUPERSTRUCTURE:** RC FLOOR ON I-BEAMS

**SUBSTRUCTURE:** EBTS&IBTS:RC CAPS ON CONC.ENCASED H-PILES

**SPANS:** 8 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

**NBI GRADES:** **DECK** 7 **SUPERSTRUCTURE** 6 **SUBSTRUCTURE** 4 **CULVERT** N

**POSTED SV:** Not Posted **POSTED TTST:** Not Posted

**OTHER SIGNS PRESENT:** (1) DELINEATOR, (1) NEUSE RIVER SIGN

LOOKING NORTH

| 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** S-N

**DIRECTION MATCHES PLANS** NO PLANS

| INSPECTED BY | SIGNATURE | ASSISTED BY |
|---|---|---|
| RAGHUVEER SURAPANENI | R. Surapaneni | ANGELICA PILARSKI |

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

11/21/2019

## IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **500100**
(8) STRUCTURE NUMBER (FEDERAL) **1010100**
(5) INVENTORY ROUTE (ON/UNDER) ON **111000950**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **4**
(3) COUNTY CODE (FEDERAL) **101** (4) PLACE CODE **62520**
(6) FEATURE INTERSECTED **NEUSE RIVER**
(7) FACILITY CARRIED **I95N**
(9) LOCATION **1.8MI.N.JCT.I95,US301&701**
(11) MILEPOINT **91.5**
(12) BASE HIGHWAY NETWORK **1**
(13) LRS INVENTORY ROUTE & SUBROUTE **10095**
(16) LATITUDE **35° 28' 38.94"** (17) LONGITUDE **78° 22' 4.39"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

## STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Steel**
TYPE **Stringer/Multi-beam or girder** CODE **302**
(44) STRUCTURE TYPE APPROACH
TYPE CODE
(45) NUMBER OF SPANS IN MAIN UNIT **6**
(46) NUMBER OF SPANS IN APPROACH **0**
(107) DECK STRUCTURE TYPE CODE **1**
(108)WEARING SURFACE/PROTECTIVE SYSTEM
(A) TYPE OF WEARING SURFACE CODE **2**
(B) TYPE OF MEMBRANE CODE **0**
(C) TYPE OF DECK PROTECTION CODE **0**

## AGE AND SERVICE

(27) YEAR BUILT **1957**
(106) YEAR RECONSTRUCTED **0.0000000000000**
(42) TYPE OF SERVICE ON - **Highway**
OFF - **Waterway** CODE **15**
(28) LANES ON STRUCTURE **2** LANES UNDER STRUCTURE **0**
(29) AVERAGE DAILY TRAFFIC **20500**
(30) YEAR OF ADT **2015** (109) TRUCK ADT PCT **16**
(19) BYPASS OR DETOUR LENGTH **4.0**

## GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **49.0**
(49) STRUCTURE LENGTH **401.0**
(50) CURB OR SIDEWALK: LEFT **0.0** RIGHT **0.0**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **28.2**
(52) DECK WIDTH OUT TO OUT **35.3**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **28.0**
(33) BRIDGE MEDIAN **Open median** CODE **1**
(34) SKEW **30** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **28.2**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **0.0**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **N** **0.0**
(56) MIN LAT UNDERCLEARANCE LT: **0.0**

## NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE **0**
(111) PIER PROTECTION CODE
(39) NAVIGATION VERTICAL CLEARANCE **0.0**
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR **0.0**
(40) NAVIGATION HORIZONTAL CLEARANCE **0.0**

SUFFICIENCY RATING **39.0000000000000**
STATUS = **Structurally Deficient 00**

## CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **YES**
(104) HIGHWAY SYSTEM **Inventory Route is on NHS** **1**
(26) FUNCTIONAL CLASS **Urban Principal Arterial - Interstate** **11**
(100) STRAHNET HIGHWAY **Interstate STRAHNET Route** **1**
(101) PARALLEL STRUCTURE **The right structure of parallel bridges** **R**
(102) DIRECTION OF TRAFFIC **1-way traffic** **1**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on natiional network for trucks** **1**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

## CONDITION — CODE

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

## LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **H 20 + Mod** **6**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-46** **88**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-28** **53**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

## APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **4**
(68) DECK GEOMETRY **3**
(69) UNDERCLEARANCES, VERT & HORIZ **N**
(71) WATERWAY ADEQUACY **4**
(72) APPROACH ROADWAY ALIGNMENT **3**
(36) TRAFFIC SAFETY FEATURES **1011**
(113) SCOUR CRITICAL BRIDGES **8**

## 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 **41,000** YEAR OF FUTURE ADT **2040**

## INSPECTION

(90) INSPECTION DATE **06/17** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL **0** A)
B) UNDERWATER INSP **24** B) **09/17**
C) OTHER SPECIAL INSP **0** C)
SCOUR

# Superstructure Build Details

**Span Number** 1 **Span Length** 50.2500 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|
| 2 | Concrete and Metal Railing | Other Bridge Railing | 102 Feet | Unknow | 102 |
| 4 | Plate Girder | Steel Open Girder/Beam | 200 Feet | Unknow | 1832 |
| 1 | Concrete Wearing Surface | Wearing Surface | 1587 Square Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1588 Square Feet | | |
| 8 | Other Bearing | Other Bearings | 8 Each | Unknow | 16 |
| 1 | Standard Joint | Pourable Joint Seal | 28 Feet | | |

**Span Number** 2 **Span Length** 50.0000 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|
| 4 | Plate Girder | Steel Open Girder/Beam | 200 Feet | Unknow | 1832 |
| 1 | Concrete Wearing Surface | Wearing Surface | 1579 Square Feet | | |
| 2 | Concrete and Metal Railing | Other Bridge Railing | 100 Feet | Unknow | 100 |
| 8 | Other Bearing | Other Bearings | 8 Each | Unknow | 16 |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 Square Feet | | |
| 1 | Standard Joint | Pourable Joint Seal | 28 Feet | | |

**Span Number** 3 **Span Length** 50.0000 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 Square Feet | | |
| 8 | Other Bearing | Other Bearings | 8 Each | Unknow | 16 |
| 1 | Concrete Wearing Surface | Wearing Surface | 1579 Square Feet | | |
| 1 | Standard Joint | Pourable Joint Seal | 28 Feet | | |
| 4 | Plate Girder | Steel Open Girder/Beam | 200 Feet | Unknow | 1832 |

# Superstructure Build Details

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Concrete and Metal Railing | Other Bridge Railing | 100 | Feet | Unknow | 100 |

**Span Number** 4 **Span Length** 50.0000 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|---|
| 2 | Concrete and Metal Railing | Other Bridge Railing | 100 | Feet | Unknow | 100 |
| 1 | Concrete Wearing Surface | Wearing Surface | 1579 | Square Feet | | |
| 1 | Standard Joint | Pourable Joint Seal | 28 | Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 | Square Feet | | |
| 4 | Plate Girder | Steel Open Girder/Beam | 200 | Feet | Unknow | 1832 |
| 8 | Other Bearing | Other Bearings | 8 | Each | Unknow | 16 |

**Span Number** 5 **Span Length** 50.0000 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|---|
| 8 | Other Bearing | Other Bearings | 8 | Each | Unknow | 16 |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 | Square Feet | | |
| 1 | Concrete Wearing Surface | Wearing Surface | 1579 | Square Feet | | |
| 4 | Plate Girder | Steel Open Girder/Beam | 200 | Feet | Unknow | 1832 |
| 1 | Standard Joint | Pourable Joint Seal | 28 | Feet | | |
| 2 | Concrete and Metal Railing | Other Bridge Railing | 100 | Feet | Unknow | 100 |

**Span Number** 6 **Span Length** 50.0000 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|---|
| 1 | Standard Joint | Pourable Joint Seal | 28 | Feet | | |
| 2 | Concrete and Metal Railing | Other Bridge Railing | 100 | Feet | Unknow | 100 |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 | Square Feet | | |
| 8 | Other Bearing | Other Bearings | 8 | Each | Unknow | 16 |

# Superstructure Build Details

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Plate Girder | Steel Open Girder/Beam | 200 | Feet | Unknow | 1832 |
| 1 | Concrete Wearing Surface | Wearing Surface | 1579 | Square Feet | | |

**Span Number** 7 **Span Length** 50.0000 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|---|
| 4 | Plate Girder | Steel Open Girder/Beam | 200 | Feet | Unknow | 1832 |
| 8 | Other Bearing | Other Bearings | 8 | Each | Unknow | 16 |
| 1 | Concrete Wearing Surface | Wearing Surface | 1579 | Square Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 | Square Feet | | |
| 1 | Standard Joint | Pourable Joint Seal | 28 | Feet | | |
| 2 | Concrete and Metal Railing | Other Bridge Railing | 100 | Feet | Unknow | 100 |

**Span Number** 8 **Span Length** 50.2500 **Skew** 120.0000

| Number of Items | Type of Component | Element Name | Quantity | | Protective System Applied | Quantity (Sq Ft) |
|---|---|---|---|---|---|---|
| 1 | Concrete Wearing Surface | Wearing Surface | 1587 | Square Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1588 | Square Feet | | |
| 4 | Plate Girder | Steel Open Girder/Beam | 200 | Feet | Unknow | 1844 |
| 2 | Standard Joint | Pourable Joint Seal | 56 | Feet | | |
| 8 | Other Bearing | Other Bearings | 8 | Each | Unknow | 16 |
| 2 | Concrete and Metal Railing | Other Bridge Railing | 102 | Feet | Unknow | 102 |

# Structure Element Scoring

Structure Number: **500100**

Inspection Date **6/25/2019**

| 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 | 12656 | 8429 | 4219 | 8 | 0 |
| 107 | 0 | Steel Open Girder/Beam | Beam | 1600 | 1550 | 48 | 2 | 0 |
| 515 | 107 | Steel Protective Coating | Beam | 14668 | 14618 | 0 | 50 | 0 |
| 215 | 0 | Reinforced Concrete Abutment | Abutments | 66 | 51 | 0 | 15 | 0 |
| 229 | 0 | Other Pile | Piles and Columns | 49 | 13 | 5 | 9 | 22 |
| 515 | 229 | Steel Protective Coating | Piles and Columns | 12 | 0 | 0 | 0 | 12 |
| 234 | 0 | Reinforced Concrete Pier Cap | Caps | 290 | 260 | 15 | 13 | 2 |
| 301 | 0 | Pourable Joint Seal | Expansion Joints | 252 | 252 | 0 | 0 | 0 |
| 316 | 0 | Other Bearings | Bearing Device | 64 | 2 | 59 | 3 | 0 |
| 515 | 316 | Steel Protective Coating | Bearing Device | 128 | 117 | 0 | 10 | 1 |
| 321 | 0 | Reinforced Concrete Approach Slabs | Approaches | 650 | 650 | 0 | 0 | 0 |
| 333 | 0 | Other Bridge Railing | Bridge Rail | 804 | 354 | 221 | 229 | 0 |
| 515 | 333 | Steel Protective Coating | Bridge Rail | 804 | 804 | 0 | 0 | 0 |
| 510 | 0 | Wearing Surface | Wearing Surfaces | 12648 | 12648 | 0 | 0 | 0 |

# Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **500100** Inspection Date: **06/25/2019**

| MMS Code | Element Name | Defect Name | Recommended Quantity |
|---|---|---|---|
| 3326 | Reinforced Concrete Deck | Cracking (RC and Other) | 4216 Square Feet |
| 3326 | Reinforced Concrete Deck | Delamination/Spall | 8 Square Feet |
| 3350 | Reinforced Concrete Abutment | Cracking (RC and Other) | 15 Feet |
| 3348 | Other Pile | Corrosion | 2 Each |
| 3348 | Other Pile | Scour | 160 Each |
| 3348 | Other Pile | Damage | 6 Each |
| 3348 | Reinforced Concrete Pier Cap | Cracking (RC and Other) | 11 Feet |
| 3348 | Reinforced Concrete Pier Cap | Delamination/Spall | 3 Feet |
| 3348 | Reinforced Concrete Pier Cap | Patched Area | 4 Feet |
| 3334 | Other Bearings | Connection | 2 Each |
| 3334 | Other Bearings | Movement | 1 Each |
| 3334 | Other Bearings | Loss of Bearing Area | 1 Each |
| 3318 | Other Bridge Railing | Delamination/Spall | 81 Feet |
| 3318 | Other Bridge Railing | Damage | 367 Feet |
| 3342 | Steel Protective Coating | Effectiveness (Steel Protective Coatings) | 2 Square Feet |
| 3342 | Steel Protective Coating | Effectiveness (Steel Protective Coatings) | 12 Square Feet |

# Element Structure Maintenance Quantities

Structure Number: **500100** Inspection Date **06/25/2019**

| Location | MMS Code | Description | Maint Quantity | Total Quantity | Severe Quantity | Poor Quantity | Fair Quantity | Good Quantity |
|---|---|---|---|---|---|---|---|---|
| Abutments | 3350 | Maintenance of Concrete Wings and Wall | 15 | 66 | 0 | 15 | 0 | 51 |
| Approaches | 3353 | Maintenance of Concrete Bridge Approach Slabs | 0 | 650 | 0 | 0 | 0 | 650 |
| Beam | 3314 | Maintenance Steel Superstructure Components | 50 | 1600 | 0 | 2 | 48 | 1550 |
| Beam | 3342 | Clean and Paint Steel | 50 | 14668 | 0 | 50 | 0 | 14618 |
| Bearing Device | 3334 | Bridge Bearing | 5 | 64 | 0 | 3 | 59 | 2 |
| Bearing Device | 3342 | Clean and Paint Steel | 10 | 128 | 1 | 10 | 0 | 117 |
| Bridge Rail | 3318 | Maintenance of Concrete Bridge Rail | 448 | 804 | 0 | 229 | 221 | 354 |
| Bridge Rail | 3342 | Clean and Paint Steel | 0 | 804 | 0 | 0 | 0 | 804 |
| Caps | 3348 | Maintenance of Concrete Substructure | 18 | 290 | 2 | 13 | 15 | 260 |
| Deck | 3326 | Maintenance of Concrete Deck | 4224 | 12656 | 0 | 8 | 4219 | 8429 |
| Expansion Joints | 3310 | Maintenance of Standard Bridge Expansion Joints | 0 | 252 | 0 | 0 | 0 | 252 |
| Piles and Columns | 3342 | Clean and Paint Steel | 12 | 12 | 12 | 0 | 0 | 0 |
| Piles and Columns | 3348 | Maintenance of Concrete Substructure | 168 | 49 | 22 | 9 | 5 | 13 |
| Wearing Surfaces | 2816 | Asphalt Surface Repair | 0 | 12648 | 0 | 0 | 0 | 12648 |

# Priority Actions Request

**Structure Number** **500100**

## Span 4

**3334** **Beam 3** Plate Girder

| Priority Level | Defect Type | Quantity | Defect Description |
|---|---|---|---|
| 3 | Loss of Bearing Area | 1 | Span 4 Beam 3 Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. 5 IN WIDE X 1 IN DEEP AREA OF BEARING PLATE IS UNDERMINED (PAR). |

## Bent 4

**3348** **Cap 1** Reinforced Concrete Pier Cap

| Priority Level | Defect Type | Quantity | Defect Description |
|---|---|---|---|
| 3 | Patched Area | 2 | Bent 4 Cap 1: 17 IN WIDE X UP TO 11 IN HIGH X UP TO 6 IN DEEP SPALLED PATCHED AREA, TOP OF SOUTH FACE, EXTENDING BELOW BEAM 3 BEARING ASSEMBLY, BEARING IS NOT SEATED LEVEL (PAR). |

## Bent 7

**3348** **Pile 7** Other Pile

| Priority Level | Defect Type | Quantity | Defect Description |
|---|---|---|---|
| 2 | Corrosion | 1 | Bent 7 Pile 7: 15 IN WIDE X 10 IN HIGH AREA OF THE SOUTH FLANGE EXHIBITS HEAVY SURFACE CORROSION WITH SECTION LOSS ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUND LINE. UP TO 0.50 IN SECTION REMAINING (PAR). NORTH FLANGE AND THE WEB EXHIBIT HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS. |

# Element Condition and Maintenance Data

Structure Number: **500100** Inspection Date: **06/25/2019**

## Span 1 Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,588 | 1,131 | 456 | 1 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Delamination/Spall | 9 IN LONG X UP TO 4 IN WIDE X UP TO 2.5 IN DEEP SPALL IN RIGHT DECK OVERHANG ABOVE BENT 1. | 3 | 1 | 1 | Square Feet |
| **12** | Cracking (RC and Other) | SIX (6) UP TO 0.02 IN WIDE TRANSVERSE CRACKS UNDER LEFT OVERHANG, SCATTERED. | 2 | 6 | 6 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE TRANSVERSE CRACKS IN DECK UNDERSIDE IN BAY 1 BETWEEN INTERMEDIATE DIAPHRAGMS TYPICAL IN BAYS 2 AND 3. | 2 | 450 | 450 | 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 1 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 51 | 45 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 51 | 51 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 Feet |

**General Comments**

## Span 1 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 51 | 0 | 45 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 51 | 51 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |
| **333** | Damage | IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL. | 2 | 45 | 45 | Feet |

**General Comments**

## Span 1 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 1 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |
| **316** | Connection | WELDED REPAIR WITH NEW ANCHOR BOLT. | 1 | | | Each |

**General Comments**

## Span 1 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 1 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 1 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 1 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |
| **316** | Connection | WELDED REPAIR, WITH NEW ANCHOR BOLT. | 1 | | | Each |

**General Comments**

## Span 1 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE | 2 | 1 | | Each |

PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.

**General Comments**

## Span 1 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,580 | 1,080 | 500 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Cracking (RC and Other) | NINE (9) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. TYPICAL AT RIGHT OVERHANG. | 2 | 50 | 50 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 450 | 450 | 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 2 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 44 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 2 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 0 | 44 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |
| **333** | Cracking (RC and Other) | UP TO 0.03 IN WIDE X 2 FT LONG DIAGONAL CRACKS IN BOTTOM OF CURB AT 1 FT FROM BENT 2. | 2 | 2 | | Feet |
| **333** | Damage | IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL. | 2 | 42 | 42 | Feet |

**General Comments**

## Span 2 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | Each |

**General Comments**

## Span 2 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 2 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |
| **316** | Connection | WELDED REPAIR WITH NEW ANCHOR BOLT. UP TO 50% SECTION LOSS IN OLD ANCHOR BOLT. PAR NOT ISSUED DUE TO NEW ANCHOR BOLT REPAIR. | 1 | | | Each |

**General Comments**

## Span 2 — Expansion Joint, Bent 1

### Standard Joint

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 301 | Pourable Joint Seal | 28 | 28 | 0 | 0 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

5' OF ASPHAULT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT - NOT OBSERVED, NEW DECK SINCE PREVIOUS INSPECTION

## Span 3 — Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,580 | 929 | 645 | 6 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Delamination/Spall | 2 FT LONG X 1 FT HIGH DELAMINATION/SPALL, BAY 2, END DIAPHRAGM, AT BENT 2. | 3 | 2 | 2 | Square Feet |
| **12** | Delamination/Spall | 4 FT LONG X 1 FT HIGH DELAMINATION/SPALL, BAY 2, END DIAPHRAGM, AT BENT 3. | 3 | 4 | 4 | Square Feet |
| **12** | Cracking (RC and Other) | SIX (6) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. TYPICAL AT LEFT OVERHANG. | 2 | 45 | 45 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.03 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 600 | 600 | Square Feet |

**General Comments**

## Span 3 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 44 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 3 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 0 | 44 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |
| **333** | Damage | IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL. | 2 | 44 | 44 | 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## 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 | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 3 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 3 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 3 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS | 2 | 1 | | Each |

INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.

**General Comments**

## Span 3 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 3 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 3 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 3 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 3 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 4 — Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,580 | 955 | 625 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Cracking (RC and Other) | SIX (6) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. | 2 | 25 | 25 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 600 | 600 | Square Feet |

**General Comments**

## Span 4 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 44 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 4 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 0 | 44 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |
| **333** | Damage | IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL. | 2 | 44 | 44 | Feet |

**General Comments**

## Span 4 — Beam 1

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 0 | 48 | 2 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 408 | 0 | 50 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

## Span 4 — Near Bearing

### 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 | 2 | 0 | 0 | 2 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

## Span 4 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

| | | | | | |
|---|---|---|---|---|---|
| **316** | Connection | WELDED REPAIR WITH NEW ANCHOR BOLTS. | 1 | 1 | Each |

**General Comments**

## Span 4 Beam 2

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 4 Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |
| **316** | Connection | WLDED REPAIR WITH NEW ANCHOR BOLT. | 1 | | | Each |

**General Comments**

## Span 4 Beam 3

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 4 — Near Bearing

### 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 | 2 | 1 | 0 | 0 | 1 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |
| **515** | Effectiveness (Steel Protective Coatings) | PROTECTIVE COATING HAS FAILED. | 4 | 1 | | Square Feet |

**General Comments**

## Span 4 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Loss of Bearing Area | NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. 5 IN WIDE X 1 IN DEEP AREA OF BEARING PLATE IS UNDERMINED (PAR). | 3 | 1 | 1 | Each |
| **316** | Connection | BEARING HAS WELDED REPAIR WITH NEW ANCHOR BOLTS. | 1 | | | Each |

**General Comments**

## Span 4 — Beam 4

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 4 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,580 | 699 | 880 | 1 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Delamination/Spall | 6 IN DIAMETER X 3/4 IN DEEP SPALL IN INTERMEDIATE DIAPHRAGM IN BAY 2 ABOVE BENT 6. | 3 | 1 | 1 | Square Feet |
| **12** | Cracking (RC and Other) | FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. FIVE (5) SIMILAR CRACKS IN LEFT OVERHANG. | 2 | 30 | 30 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 400 | 400 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.03 IN WIDE RANDOM CRACKS FOR 10 FT LONG X FULL BAY WIDTH, STARTING AT 5 FT FROM BENT 4 IN BAY 3. TYPICAL IN BAY 2. | 2 | 450 | 450 | Square Feet |

**General Comments**

## Span 5 — Beam 1

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 5 Beam 2

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 5 Beam 3

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 5 Beam 4

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 5 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 44 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 5 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 0 | 44 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |
| **333** | Damage | IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL. | 2 | 44 | 44 | Feet |

**General Comments**

## Span 5 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE | 2 | 1 | | Each |

PLATES. UP TO 85% SECTION REMAINING.

**General Comments**

## Span 5 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Far Bearing

### 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 | 2 | 0 | 0 | 2 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 5 — Expansion Joint, Bent 4

### Standard Joint

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 301 | Pourable Joint Seal | 28 | 28 | 0 | 0 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

5' OF ASPHAULT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT. - NOT OBSERVED, DECK REPLACED SINCE PREVIOUS INSPECTION

## Span 6 — Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,580 | 1,147 | 433 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Cracking (RC and Other) | FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. SEVEN (7) SIMILAR CRACKS IN LEFT OVERHANG. | 2 | 30 | 30 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 400 | 400 | Square Feet |
| **12** | Patched Areas | 38 IN LONG X 1 FT HIGH SOUND CONCRETE PATCHED AREA, BOTTOM OF BAY 2 END DIAPHRAGM, AT BENT 6. | 2 | 3 | | Square Feet |

**General Comments**

## Span 6 — Beam 1

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 6 — Beam 2

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 6 — Beam 3

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 6 — Beam 4

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 6 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 44 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 6 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 0 | 0 | 50 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| **333** | Damage | HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF CONCRETE SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 8. | 3 | 49 | 49 | Feet |
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 1 | 1 | Feet |

**General Comments**

## Span 6 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 6 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 6 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 6 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 6 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 6 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Connection | LEFT ANCHOR BOLT HAS UP TO 80% SECTION REMAINING AND ANCHOR BOLT NUT HAS UP TO 50% SECTION REMAINING. | 3 | 1 | 1 | Each |
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | | | Each |

**General Comments**

## Span 6 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | Each |

**General Comments**

## Span 6 — Far Bearing

### 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 | 2 | 0 | 0 | 2 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. RUST STAINING PRESENT IN NEWLY PAINTED SURFACES. | 2 | 1 | | Each |
| **515** | Effectiveness (Steel Protective Coatings) | STEEL PROTECTIVE COATING IS OF LIMITED EFFECTIVENESS IN BEARING. | 3 | 2 | 2 | Square Feet |

**General Comments**

## Span 7 — Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,580 | 1,150 | 430 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Cracking (RC and Other) | FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. SEVEN (7) SIMILAR CRACKS IN LEFT OVERHANG. | 2 | 30 | 30 | Square Feet |
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 400 | 400 | Square Feet |

**General Comments**

## Span 7 — Beam 1

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 7 Beam 2

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 7 Beam 3

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 7 Beam 4

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 458 | 458 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 7 — Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 44 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 7 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 50 | 0 | 0 | 50 | 0 | Feet |
| 515 | Steel Protective Coating | 50 | 50 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Damage | HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 8 AND 6. | 3 | 49 | 49 | Feet |
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 1 | 1 | Feet |

**General Comments**

## Span 7 — Near Bearing

### 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 | 2 | 0 | 0 | 2 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE | 2 | 1 | | Each |

PLATES. UP TO 85% SECTION REMAINING.

**General Comments**

## Span 7 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 7 — Expansion Joint, Bent 6

### Standard Joint

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 301 | Pourable Joint Seal | 28 | 28 | 0 | 0 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

10' OF ASPHAULT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT.- NOT OBSERVED, DECK REPLACED SINCE PREVIOUS INSPECTION

## Span 8 Deck

### Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 12 | Reinforced Concrete Deck | 1,588 | 1,338 | 250 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **12** | Cracking (RC and Other) | UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. | 2 | 250 | 250 | Square Feet |

**General Comments**

## Span 8 Beam 1

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 461 | 461 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 8 Beam 2

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 461 | 461 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 8 Beam 3

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 461 | 461 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 8 Beam 4

### Plate Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 107 | Steel Open Girder/Beam | 50 | 50 | 0 | 0 | 0 | Feet |
| 515 | Steel Protective Coating | 461 | 461 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

**General Comments**

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

4' OF RUST SCALE ALONG BOTTOM FLANGE, BEGINNING AT BENT 7. -NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

## Span 8 Left Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 51 | 45 | 0 | 6 | 0 | Feet |
| 515 | Steel Protective Coating | 51 | 51 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 6 | 6 | Feet |

**General Comments**

## Span 8 — Right Bridge Rail

### Concrete and Metal Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 333 | Other Bridge Railing | 51 | 0 | 0 | 51 | 0 | Feet |
| 515 | Steel Protective Coating | 51 | 51 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **333** | Damage | HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 6. | 3 | 50 | 50 | Feet |
| **333** | Delamination/Spall | UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS. | 3 | 1 | 1 | Feet |

**General Comments**

## Span 8 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 8 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 8 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | Each |

**General Comments**

## Span 8 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 8 — Near Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Connection | BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT. | 2 | 1 | 1 | Each |

**General Comments**

## Span 8 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 8 — Near Bearing

### 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 | 2 | 0 | 0 | 2 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING. | 2 | 1 | | Each |

**General Comments**

## Span 8 — Far Bearing

### 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 | 2 | 2 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **316** | Corrosion | BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING. | 2 | | | Each |
| **316** | Movement | UP TO 1/2 IN MOVEMENT TOWARDS THE SOUTH LEFT HALF OF THE MASONRY PLATE. | 2 | 1 | 1 | Each |

**General Comments**

## Bent 1 — Pile 1

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 1 | 0 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Damage | VEGETATION GROWTH ALONG SOUTHWEST CORNER FOR UP TO 12 FT HIGH. | 2 | 1 | 1 | Each |

**General Comments**

## Bent 1 — Pile 3

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 1 | 0 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Damage | MINOR VEGETATION GROWTH IN SOUTH AND NORTH FACES. | 2 | 1 | 1 | Each |

**General Comments**

## End Bent 1 — Cap 1

### Reinforced Concrete Pier Cap

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 234 | Reinforced Concrete Pier Cap | 33 | 27 | 6 | 0 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **234** | Cracking (RC and Other) | 4 DIAGONAL X FULL HEIGHT HAIRLINE CRACKS IN FACE OF CAP BELOW BAY 1. | 2 | 4 | | Feet |
| **234** | Cracking (RC and Other) | TWO (2) 2 FT LONG X 0.03 IN WIDE DIAGONAL CRACKS IN FACE OF CAP BELOW BAY 2. | 2 | 2 | | Feet |

**General Comments**

3' DIAGONAL HAIRLINE CRACK WITH EFFLORESCENCE, FACE OF CAP OUTSIDE BAY 4 - NOT OBSERVED

## End Bent 2 — Abutment

### Reinforced Concrete Abutment

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 215 | Reinforced Concrete Abutment | 33 | 18 | 0 | 15 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **215** | Cracking (RC and Other) | UP TO 1/16 IN WIDE X 15 FT LONG HORIZONTAL CRACK IN BAYS 1 AND 2. | 3 | 15 | 15 | Feet |

**General Comments**

## End Bent 2 — Cap 1

### Reinforced Concrete Pier Cap

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 234 | Reinforced Concrete Pier Cap | 33 | 22 | 0 | 11 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **234** | Cracking (RC and Other) | 2 FT HIGH X 1/16 IN WIDE DIAGONAL CRACK UNDER BEAM 4. | 3 | 2 | 2 | Feet |
| **234** | Cracking (RC and Other) | 3 FT LONG X 1/16 IN WIDE HORIZONTAL CRACK, BELOW BEAM 2. TYPICAL AT BEAM 3. | 3 | 6 | 6 | Feet |
| **234** | Cracking (RC and Other) | 3 FT LONG X UP TO 1/16 IN WIDE HORIZONTAL CRACK, BELOW BAY 1. | 3 | 3 | 3 | Feet |

**General Comments**

## Bent 3 — Cap 1

### Reinforced Concrete Pier Cap

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 234 | Reinforced Concrete Pier Cap | 32 | 32 | 0 | 0 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|

**General Comments**

16" X 15" X 2" DELAMINATION, SOUTH FACE BELOW BAY 3. - NOT OBSERVED

20" X 11" X 2" DELAMINATION, SOUTH FACE, BELOW BAY 2. - NOT OBSERVED

## Bent 3 Pile 1

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 3ft. of scour post hurricane Matthew. | 3 | 1 | 3 | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.
Steel piles not visible.

## Bent 3 Pile 2

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 3ft. of scour post hurricane Matthew. | 3 | 1 | 3 | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.
Steel piles not visible.

## Bent 3 Pile 3

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 4ft. of scour post hurricane Matthew. | 3 | 1 | 4 | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.
Steel piles not visible.

## Bent 3 Pile 4

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 3 Pile 5

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 3 Pile 6

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 3 Pile 7

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Cap 1

### Reinforced Concrete Pier Cap

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 234 | Reinforced Concrete Pier Cap | 32 | 22 | 6 | 2 | 2 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **234** | Patched Area | 17 IN WIDE X UP TO 11 IN HIGH X UP TO 6 IN DEEP SPALLED PATCHED AREA, TOP OF SOUTH FACE, EXTENDING BELOW BEAM 3 BEARING ASSEMBLY, BEARING IS NOT SEATED LEVEL (PAR). | 4 | 2 | 2 | Feet |

| | | | | | | |
|---|---|---|---|---|---|---|
| **234** | Patched Area | UP TO 2 FT DIAMETER UNSOUND CONCRETE PATCH REPAIR TO PREVIOUSLY SPALLED AREA. | 3 | 2 | 2 | Feet |
| **234** | Patched Area | 15 IN HIGH X 21 IN WIDE SOUND CONCRETE PATCH AREA, TOP SOUTHEAST CORNER OF CAP, BELOW NEW BEARING ASSEMBLY OF BEAM 4. PATCH EXHIBITS A 8 IN LONG X 0.02 IN WIDE DIAGONAL CRACK STARTING AT TOP LEFT CORNER IN SOUTH FACE AND A UP TO 0.03 IN WIDE X 15 IN LONG VERTICAL CRACK IN EAST FACE. | 2 | 2 | | Feet |
| **234** | Patched Area | 3.5 FT LONG X 1.5 FT HIGH SOUND PATCHED AREA, TOP OF SOUTH FACE, BLOW BEAM 3. | 2 | 4 | | Feet |

**General Comments**

## Bent 4 Pile 1

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour with 2ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 1 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 1 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Pile 2

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 6ft. of scour with 2ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 1 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Pile 3

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8.6ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 9 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Pile 4

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8.8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 9 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Pile 5

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 7ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 7 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Pile 6

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 7ft. of scour with 2ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 7 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 4 Pile 7

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 2.5ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 8 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 1

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 8 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 2

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 9ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 9 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 3

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 8 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 4

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 8 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 5

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 8 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 6

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 8 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 5 Pile 7

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed | 4 | 1 | 8 | Each |

| | | | | |
|---|---|---|---|---|
| | | steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | | |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 1

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 3ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. | 3 | 1 | 3 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 2

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. | 3 | 1 | 4 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 3

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. | 3 | 1 | 4 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 4

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 5

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 6

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | 4 | 1 | 5 | Each |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | | | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 6 Pile 7

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 0 | 1 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Scour | Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed | 4 | 1 | 5 | Each |

| | | | | |
|---|---|---|---|---|
| | | steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED) | | |
| **229** | Corrosion | Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile. | 2 | Each |

**General Comments**

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

## Bent 7 — Cap 1

### Reinforced Concrete Pier Cap

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 234 | Reinforced Concrete Pier Cap | 32 | 29 | 3 | 0 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **234** | Delamination/Spall | 3 FT WIDE X 6 IN HIGH DELAMINATION WITH A 3 FT LONG HORIZONTAL CRACK UP TO 1/32 IN WIDE BOTTOM OF NORTH FACE, OVER PILE 3. | 2 | 3 | 3 | Feet |

**General Comments**

## Bent 7 — Pile 1

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |
| 515 | Steel Protective Coating | 0 | 0 | 0 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Damage | VEGETATION GROWTH ALONG NORTHWEST CORNER OF PILE FOR FULL HEIGHT. | 3 | 1 | 1 | Each |

**General Comments**

SURFACE RUST ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. - NOT OBSERVED

## Bent 7 — Pile 6

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |
| 515 | Steel Protective Coating | 6 | 0 | 0 | 0 | 6 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Corrosion | UP TO 3 IN HIGH OF THE STEEL PILE EXPOSED AT THE BOTTOM EXHIBITS HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS IN THE FLANGES AND WEB. | 3 | 1 | 1 | Each |
| **229** | Damage | MINOR VEGETATION GROWTH ON SOUTH FACE OF PILE. | 2 | | | Each |
| **515** | Effectiveness (Steel Protective Coatings) | STEEL PROTECTIVE COATING HAS FAILED IN EXPOSED STEEL PILE. | 4 | 6 | 6 | Square Feet |

**General Comments**

SURFACE RUST ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. - NOT OBSERVED

## Bent 7 Pile 5

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 1 | 0 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Damage | MINOR VEGETATION GROWTH ON SOUTH FACE OF PILE. | 2 | 1 | 1 | Each |

**General Comments**

## Bent 7 Pile 4

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 1 | 0 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Damage | MINOR VEGETATION GROWTH ON NORTHWEST CORNER. | 2 | 1 | 1 | Each |

**General Comments**

## Bent 7 Pile 3

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 1 | 0 | 0 | Each |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Damage | MINOR VEGETATION GROWTH ON NORTHWEST CORNER. | 2 | 1 | 1 | Each |

**General Comments**

## Bent 7 Pile 7

### Other Pile

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|---|---|---|---|---|---|---|---|
| 229 | Other Pile | 1 | 0 | 0 | 1 | 0 | Each |
| 515 | Steel Protective Coating | 6 | 0 | 0 | 0 | 6 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|---|---|---|---|---|---|
| **229** | Corrosion | 15 IN WIDE X 10 IN HIGH AREA OF THE SOUTH FLANGE EXHIBITS HEAVY SURFACE CORROSION WITH SECTION LOSS ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. UP TO 0.50 IN SECTION REMAINING (PAR). NORTH FLANGE AND THE WEB EXHIBIT HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS. | 3 | 1 | 1 | Each |
| **515** | Effectiveness (Steel Protective Coatings) | STEEL PROTECTIVE COATING HAS FAILED IN EXPOSED STEEL PILE. | 4 | 6 | 6 | Square Feet |

**General Comments**

# Elements Verfied

| Location | Name | Component | Element Name | Amount |
|---|---|---|---|---|
| Span 1 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1588 |
| Span 1 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 1 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 1 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 1 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 1 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 51 |
| Span 1 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 51 |
| Span 1 | Expansion Joint, End Bent 1 | Standard Joint | Pourable Joint Seal | 28 |
| Span 1 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1587 |
| Span 1 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 1 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 |
| Span 2 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 2 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 2 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 2 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 2 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 2 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 2 | Expansion Joint, Bent 1 | Standard Joint | Pourable Joint Seal | 28 |
| Span 2 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1579 |
| Span 2 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 2 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 |
| Span 3 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 3 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 3 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 3 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 3 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 3 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 3 | Expansion Joint, Bent 2 | Standard Joint | Pourable Joint Seal | 28 |
| Span 3 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1579 |
| Span 3 | Near Bearing | Other Bearing | Other Bearings | 1 |

# Elements Verfied

| Location | Name | Component | Element Name | Amount |
|---|---|---|---|---|
| Span 3 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 3 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 |
| Span 4 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 4 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 4 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 4 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 4 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 4 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 4 | Expansion Joint, Bent 3 | Standard Joint | Pourable Joint Seal | 28 |
| Span 4 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1579 |
| Span 4 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 4 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 |
| Span 5 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 5 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 5 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 5 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 5 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 5 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 5 | Expansion Joint, Bent 4 | Standard Joint | Pourable Joint Seal | 28 |
| Span 5 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1579 |
| Span 5 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 5 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 |
| Span 6 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 6 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 6 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |

# Elements Verfied

| Location | Name | Component | Element Name | Amount |
|---|---|---|---|---|
| Span 6 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 6 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 6 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 6 | Expansion Joint, Bent 5 | Standard Joint | Pourable Joint Seal | 28 |
| Span 6 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1579 |
| Span 6 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 6 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1580 |
| Span 7 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 7 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 7 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 7 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 7 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 7 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 50 |
| Span 7 | Expansion Joint, Bent 6 | Standard Joint | Pourable Joint Seal | 28 |
| Span 7 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1579 |
| Span 7 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 7 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1588 |
| Span 8 | Beam 1 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 8 | Beam 2 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 8 | Beam 3 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 8 | Beam 4 | Plate Girder | Steel Open Girder/Beam | 50 |
| Span 8 | Left Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 51 |
| Span 8 | Right Bridge Rail | Concrete and Metal Railing | Other Bridge Railing | 51 |
| Span 8 | Expansion Joint, End Bent 2 | Standard Joint | Pourable Joint Seal | 28 |
| Span 8 | Expansion Joint, Bent 7 | Standard Joint | Pourable Joint Seal | 28 |
| Span 8 | Wearing Surface | Concrete Wearing Surface | Wearing Surface | 1587 |
| Span 8 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Far Bearing | Other Bearing | Other Bearings | 1 |

# Elements Verfied

| Location | Name | Component | Element Name | Amount |
|---|---|---|---|---|
| Span 8 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Near Bearing | Other Bearing | Other Bearings | 1 |
| Span 8 | Far Bearing | Other Bearing | Other Bearings | 1 |
| Bent 1 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 1 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 1 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 1 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 1 | Pile 4 | Other Pile | Other Pile | 1 |
| Bent 1 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 1 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 1 | Pile 7 | Other Pile | Other Pile | 1 |
| End Bent 1 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 33 |
| End Bent 1 | Abutment | Reinforced Concrete Abutment | Reinforced Concrete Abutment | 33 |
| Bent 2 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 2 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 2 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 2 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 2 | Pile 4 | Other Pile | Other Pile | 1 |
| Bent 2 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 2 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 2 | Pile 7 | Other Pile | Other Pile | 1 |
| End Bent 2 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 33 |
| End Bent 2 | Abutment | Reinforced Concrete Abutment | Reinforced Concrete Abutment | 33 |
| Bent 3 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 3 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 3 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 3 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 3 | Pile 4 | Other Pile | Other Pile | 1 |
| Bent 3 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 3 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 3 | Pile 7 | Other Pile | Other Pile | 1 |
| Bent 4 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 4 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 4 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 4 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 4 | Pile 4 | Other Pile | Other Pile | 1 |
| Bent 4 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 4 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 4 | Pile 7 | Other Pile | Other Pile | 1 |
| Bent 5 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 5 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 5 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 5 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 5 | Pile 4 | Other Pile | Other Pile | 1 |

# Elements Verfied

| Location | Name | Component | Element Name | Amount |
|---|---|---|---|---|
| Bent 5 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 5 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 5 | Pile 7 | Other Pile | Other Pile | 1 |
| Bent 6 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 6 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 6 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 6 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 6 | Pile 4 | Other Pile | Other Pile | 1 |
| Bent 6 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 6 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 6 | Pile 7 | Other Pile | Other Pile | 1 |
| Bent 7 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 32 |
| Bent 7 | Pile 1 | Other Pile | Other Pile | 1 |
| Bent 7 | Pile 2 | Other Pile | Other Pile | 1 |
| Bent 7 | Pile 3 | Other Pile | Other Pile | 1 |
| Bent 7 | Pile 4 | Other Pile | Other Pile | 1 |
| Bent 7 | Pile 5 | Other Pile | Other Pile | 1 |
| Bent 7 | Pile 6 | Other Pile | Other Pile | 1 |
| Bent 7 | Pile 7 | Other Pile | Other Pile | 1 |

# General Inspection Notes

Bent 3 Cap 1

16" X 15" X 2" DELAMINATION, SOUTH FACE BELOW BAY 3. - NOT OBSERVED

20" X 11" X 2" DELAMINATION, SOUTH FACE, BELOW BAY 2. - NOT OBSERVED

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Span 1 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 1 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 1 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 1 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 2 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 2 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 2 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

# General Inspection Notes

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 2 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 2 Expansion Joint, Bent 1

5' OF ASPHAULT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT - NOT OBSERVED, NEW DECK SINCE PREVIOUS INSPECTION

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Span 3 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 3 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 3 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 3 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 4 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 4 Beam 3

# General Inspection Notes

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 4 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 5 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 5 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 5 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 5 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 5 Expansion Joint, Bent 4

5' OF ASPHAULT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT. - NOT OBSERVED, DECK REPLACED SINCE PREVIOUS INSPECTION

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Span 6 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

# General Inspection Notes

Span 6 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 6 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 6 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

# General Inspection Notes

Span 7 Expansion Joint, Bent 6

10' OF ASPHAULT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT.- NOT OBSERVED, DECK REPLACED SINCE PREVIOUS INSPECTION

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Span 8 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 8 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 8 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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Span 8 Beam 4

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

4' OF RUST SCALE ALONG BOTTOM FLANGE, BEGINNING AT BENT 7. -NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

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# National Bridge and NC Inspection Items

**Structure Number:** 500100 **Inspection Date:** 06/25/2019

### National Bridge Inventory Items

| Item | Grade Scale | Grade |
|---|---|---|
| Item 58: Deck | 0 - 9 , N | **7** |
| Item 59: Superstructure | 0 - 9 , N | **6** |
| Item 60: Substructure | 0 - 9 , N | **4** |
| Item 61: Channel and Channel Protection | 0 - 9 , N | **4** |
| 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** | **140** | **3352** |
| Scour | G, F, P, or C | **P** | | |
| Wingwall | G, F, P, or C | **F** | **75** | **3350** |
| Field Scour Evaluation | | **P** | | |
| Drift | G, F, P, or C | **G** | **0** | **3366** |
| Fender System | G, F, P, or C | | | |
| Movable Span Machinery | G, F, P, or C | | | |
| Response to Live Load | G, F, P, or C | **G** | | |
| Superstructure Paint Code | | **U** | | |

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

### Inspection Information

| Item | Grade Scale | Grade |
|---|---|---|
| Sign Noticed Issued | YES/NO | **N** |
| Priority Maintenance Request Submitted | YES/NO | **Y** |
| Inspection Time | Hours | **10** |
| Traffic Control Time | Hours | **6** |
| Snooper Time | Hours | **4** |
| Ladder Used | YES/NO | **N** |
| 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:** 500100 **Inspection Date:** 06/25/2019

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Item** | Deck - Item 58 | **Grade** | 7 | **Maint Code** | | **Qty.** | 0 |
| **Details** | NEW LMC OVERLAY SINCE THE PREVIOUS INSPECTION.<br>DECK IS IN GOOD CONDITION DUE TO CRACKS IN THE DECK UNDERSIDE AND IN BOTH OVERHANGS. | | | | | | |
| **Item** | Superstructure - Item 59 | **Grade** | 6 | **Maint Code** | | **Qty.** | 0 |
| **Details** | NEW PAINT TO THE BEAMS AND BEARINGS SINCE PREVIOUS INSPECTION. | | | | | | |
| **Item** | Substructure - Item 60 | **Grade** | 4 | **Maint Code** | | **Qty.** | 0 |
| **Details** | NEW SEALING ON TOP OF END BENTS AND BENT CAPS.<br><br>SUBSTRUCTURE IS IN POOR CONDITION DUE TO SCOUR AT BENTS 3, 4, 5, AND 6. POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 INDICATES SCOUR WITH EXPOSED STEEL PILES AT BENTS 3 AND 6. | | | | | | |
| **Item** | Channel and Channel Protection - Item 61 | **Grade** | 4 | **Maint Code** | | **Qty.** | 0 |
| **Details** | POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 RATES 4 DUE TO CHANNEL CONTRACTION SCOUR. | | | | | | |
| **Item** | Slope Protection | **Grade** | F | **Maint Code** | 3352 | **Qty.** | 140 |
| **Details** | 9 FT WIDE X 15 FT LONG X UP TO 3 FT DEEP AREA OF EROSION UNDER SPAN 8 WITH BROKEN AND FALLEN FENCE POSTS.<br><br>UP TO 1/8 IN WIDE X 2 FT LONG CRACK IN THE BERM UNDER BEAM 2 AT END BENT 2. | | | | | | |
| **Item** | Scour | **Grade** | P | **Maint Code** | | **Qty.** | 0 |
| **Details** | POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 INDICATES SCOUR WITH EXPOSED STEEL PILE AT BENTS 3 TO 6. | | | | | | |
| **Item** | Wingwalls | **Grade** | F | **Maint Code** | 3350 | **Qty.** | 75 |
| **Details** | HEAVY VEGETATION ON SOUTHWEST, SOUTH EAST, AND NORTHWEST WINGWALL | | | | | | |
| **Item** | Field Scour Evaluation | **Grade** | P | **Maint Code** | | **Qty.** | 0 |
| **Details** | POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 RATES FIELD SCOUR EVALUATION AS " P AS PER REFERENCE TO THE PILE TIP ELEVATION DATA SHEET" | | | | | | |
| **Item** | General Comments and Misc Items | **Grade** | | **Maint Code** | | **Qty.** | 0 |
| **Details** | GUARDRAIL IS CONTINUOUS AT NORTHEAST, SOUTHEAST, AND SOUTHWEST CORNERS.<br><br>MODERATE IMPACT DAMAGE TO DELINEATOR AT SOUTHWEST CORNER.<br><br>HEAVY IMPACT DAMAGE WITH 1 IN WIDE CRACK AND 4 IN WIDE X 1 IN HIGH HOLES IN RIGHT BRIDGE RAIL AT END BENT 1. | | | | | | |

Span 1 Deck: SIX (6) UP TO 0.02 IN WIDE TRANSVERE CRACKS UNDER LEFT OVERHANG, SCATTERED.

Span 1 Deck: UP TO 0.02 IN WIDE TRANSVERSE CRACKS IN DECK UNDERSIDE IN BAY 1 BETWEEN INTERMEDIATE DIAPHRAGMS TYPICAL IN BAYS 2 AND 3.

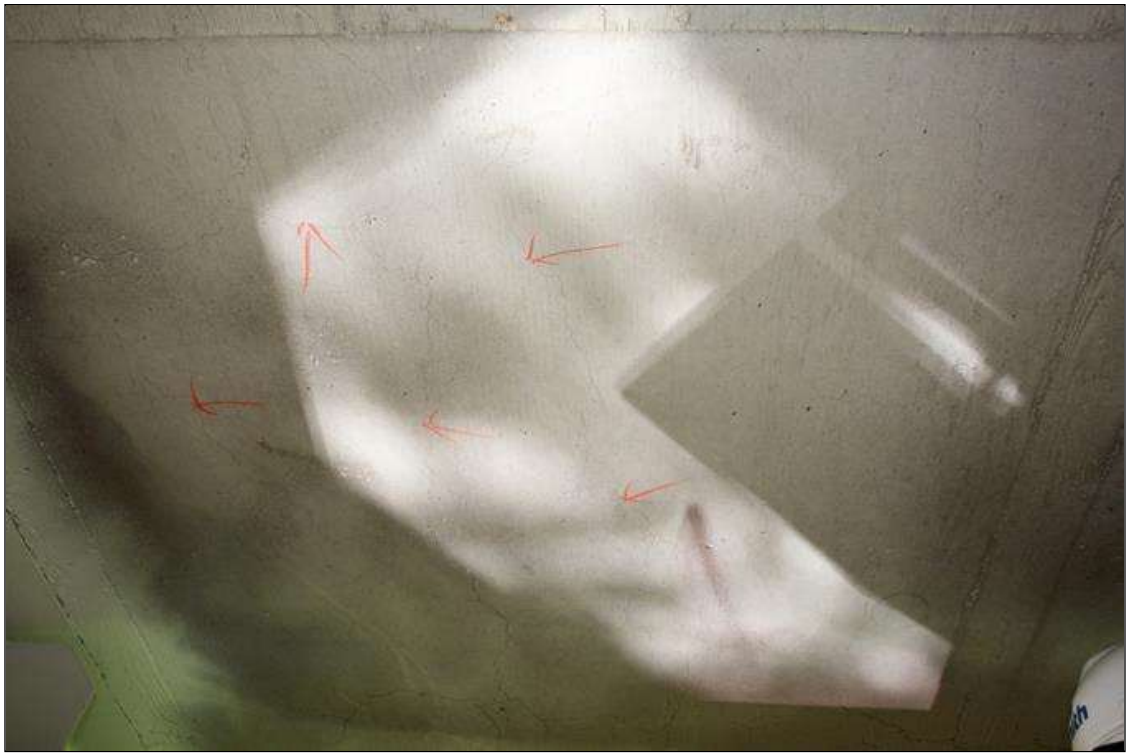
Span 1 Beam 2 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.

NEW CAP SEAL AT BENT 1 SINCE PREVIOUS INSPECTION. TYPICAL AT ALL BENTS AND END BENTS. BENT 1 BAY 3 SHOWN IN PHOTO.

Span 2 Right Bridge Rail: UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.

Span 1 Deck: 9 IN LONG X UP TO 4 IN WIDE X UP TO 2.5 IN DEEP SPALL IN RIGHT DECK OVERHANG ABOVE BENT 1.

Span 2 Beam 4 Far Bearing: WELDED REPAIR WITH NEW ANCHOR BOLT. UP TO 50% SECTION LOSS IN OLD ANCHOR BOLT. PAR NOT ISSUED DUE TO NEW ANCHOR BOLT REPAIR.



Span 3 Deck: UP TO 0.03 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT. BAY 2 AT BENT 2 SHOWN IN PHOTO.

Bent 4 Cap 1: UP TO 2 FT DIAMETER UNSOUND CONCRETE PATCH REPAIR TO PREVIOUSLY SPALLED AREA. PHOTO TAKEN BEFORE AREA WAS SOUNDED WITH HAMMER.

Bent 4 Cap 1: 17 IN WIDE X UP TO 11 IN HIGH X UP TO 6 IN DEEP SPALLED PATCHED AREA, TOP OF SOUTH FACE, EXTENDING BELOW BEAM 3 BEARING ASSEMBLY, BEARING IS NOT SEATED LEVEL (PAR).

Span 4 Beam 3 Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. 5 IN WIDE X 1 IN DEEP AREA OF BEARING PLATE IS UNDERMINED (PAR).

Bent 4 Cap 1: 15 IN HIGH X 21 IN WIDE SOUND CONCRETE PATCH AREA, TOP SOUTHEAST CORNER OF CAP, BELOW NEW BEARING ASSEMBLY OF BEAM 4. PATCH EXHIBITS A 8 IN LONG X 0.02 IN WIDE DIAGONAL CRACK STARTING AT TOP LEFT CORNER IN SOUTH FACE AND A UP TO 0.03 IN WIDE X 15 IN LONG VERTICAL CRACK IN EAST FACE.

Bent 4 Cap 1: 15 IN HIGH X 21 IN WIDE SOUND CONCRETE PATCH AREA, TOP SOUTHEAST CORNER OF CAP, BELOW NEW BEARING ASSEMBLY OF BEAM 4. PATCH EXHIBITS A 8 IN LONG X 0.02 IN WIDE DIAGONAL CRACK STARTING AT TOP LEFT CORNER IN SOUTH FACE AND A UP TO 0.03 IN WIDE X 15 IN LONG VERTICAL CRACK IN EAST FACE.

Span 5 Deck: 6 IN DIAMETER X 3/4 IN DEEP SPALL IN INTERMEDIATE DIAPHRAGM IN BAY 2 ABOVE BENT 6.

Span 6 Beam 3 Far Bearing: LEFT ANCHOR BOLT HAS UP TO 80% SECTION REMAINING AND ANCHOR BOLT NUT HAS UP TO 50% SECTION REMAINING.

Span 6 Beam 4 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. RUST STAINING PRESENT IN NEWLY PAINTED SURFACES.

Bent 7 Pile 7: 15 IN WIDE X 10 IN HIGH AREA OF THE SOUTH FLANGE EXHIBITS HEAVY SURFACE CORROSION WITH SECTION LOSS ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. UP TO 0.50 IN SECTION REMAINING (PAR). NORTH FLANGE AND THE WEB EXHIBIT HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS.

9 FT WIDE X 15 FT LONG X UP TO 3 FT DEEP AREA OF EROSION UNDER SPAN 8 WITH BROKEN AND FALLEN FENCE POSTS.

End Bent 2 Abutment/Backwall : UP TO 1/16 IN WIDE X 15 FT LONG HORIZONTAL CRACK IN BAYS 1 AND 2.


Span 8 Beam 4 Far Bearing: UP TO 1/2 IN MOVEMENT TOWARDS THE SOUTH LEFT HALF OF THE MASONRY PLATE.

End Bent 2 Cap 1: 3 FT LONG X UP TO 1/16 IN WIDE HORIZONTAL CRACK, BELOW BAY 1.

HEAVY IMPACT DAMAGE WITH UP TO 1.5 IN DIAMETER HOLES IN THE APPROACH GUARDRAIL TRANSITION AT NORTHEAST CORNER. FOR 25 FT LONG STARTING AT END BENT 1

Span 8 Right Bridge Rail: HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF CONCRETE SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 6.

Span 8 Right Bridge Rail: HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF CONCRETE SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 6.

Span 2 Right Bridge Rail: UP TO 0.03 IN WIDE X 2 FT LONG DIAGONAL CRACKS IN BOTTOM OF CURB AT 1 FT FROM BENT 2.

MODERATE IMPACT DAMAGE TO DELINEATOR AT SOUTHWEST CORNER.

HEAVY IMPACT DAMAGE WITH 1 IN WIDE CRACK AND 4 IN WIDE X 1 IN HIGH HOLES IN RIGHT BRIDGE RAIL AT END BENT 1.

# Stream Bed Soundings

*(Profile diagram on following sheet)*

County **JOHNSTON** Structure Number: **500100** Inspection Date **06/25/2019**

Sounding recorded from: **Top of Bridge Rail**

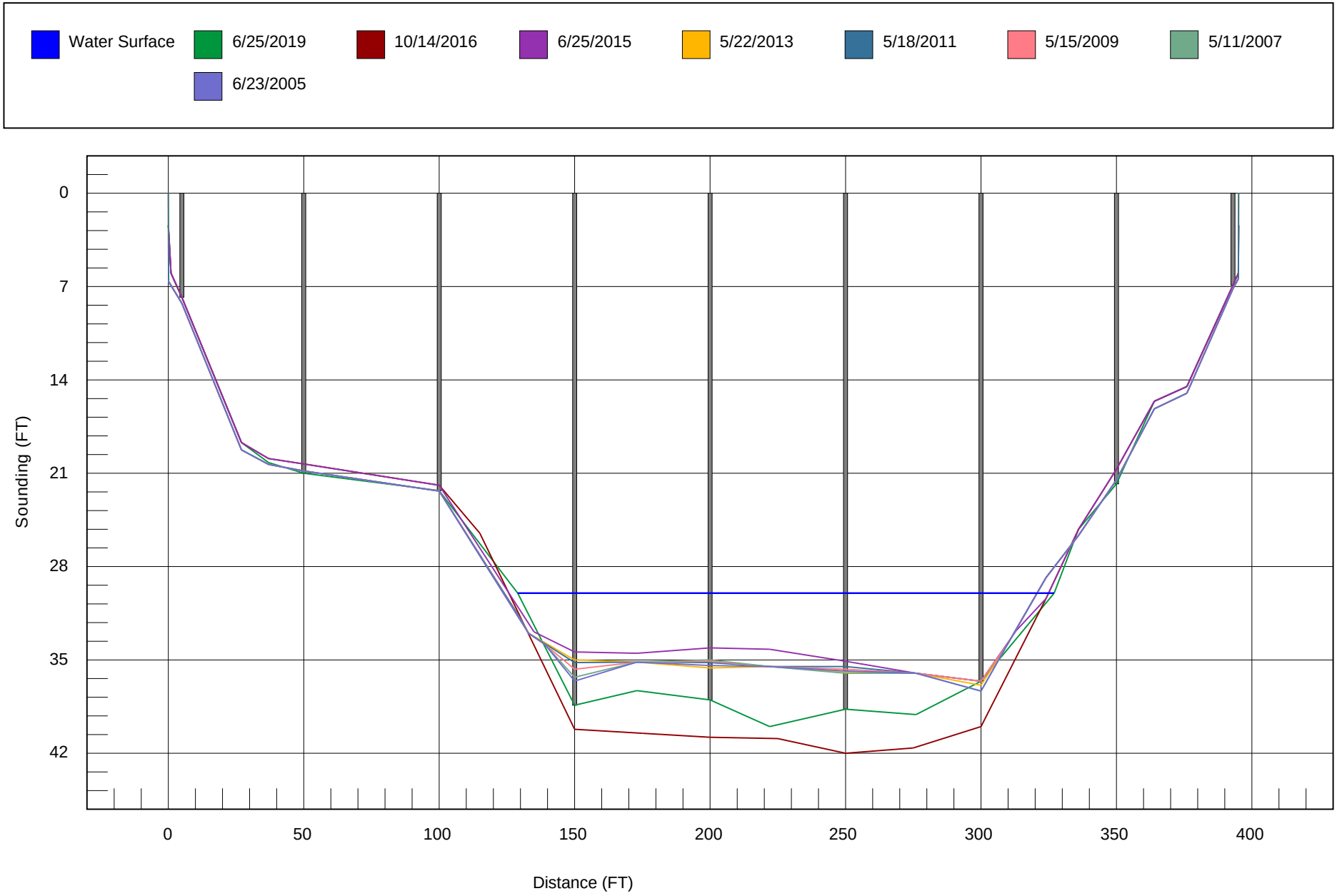
Highwater Mark Distance Location of Highwater Mark **NONE DETECTED**

| Distance (Station) ft. | Downstream Sounding ft. | Upstream Sounding ft. | Description |
|---|---|---|---|
| 0.000 | 2.400 | 0.000 | TOP OF RAIL |
| 1.000 | 6.000 | 0.000 | TOP OF CAP |
| 5.000 | 7.800 | 7.800 | END BENT 1 |
| 27.000 | 18.700 | 0.000 | |
| 37.000 | 20.200 | 0.000 | |
| 50.000 | 21.000 | 20.300 | BENT 1 |
| 100.000 | 22.300 | 22.300 | BENT 2 |
| 129.000 | 30.000 | 0.000 | WSWE |
| 150.000 | 38.400 | 34.600 | BENT 3 |
| 173.000 | 37.300 | 0.000 | |
| 200.000 | 38.000 | 34.900 | BENT 3 |
| 222.000 | 40.000 | 0.000 | |
| 250.000 | 38.700 | 35.000 | BENT 5 |
| 276.000 | 39.100 | 0.000 | |
| 300.000 | 36.600 | 38.000 | BENT 6 |
| 327.000 | 30.000 | 0.000 | WSWE |
| 336.000 | 25.200 | 0.000 | |
| 350.000 | 21.800 | 17.000 | BENT 7 |
| 364.000 | 15.600 | 0.000 | |
| 376.000 | 14.500 | 0.000 | |
| 393.000 | 6.900 | 7.000 | END BENT 2 |
| 395.000 | 6.000 | 0.000 | TOP OF CAP |
| 395.100 | 2.400 | 0.000 | TOP OF RAIL |

Bridge: 500100 County: JOHNSTON Date: 06/25/2019

## STREAMBED PROFILE (Downstream)

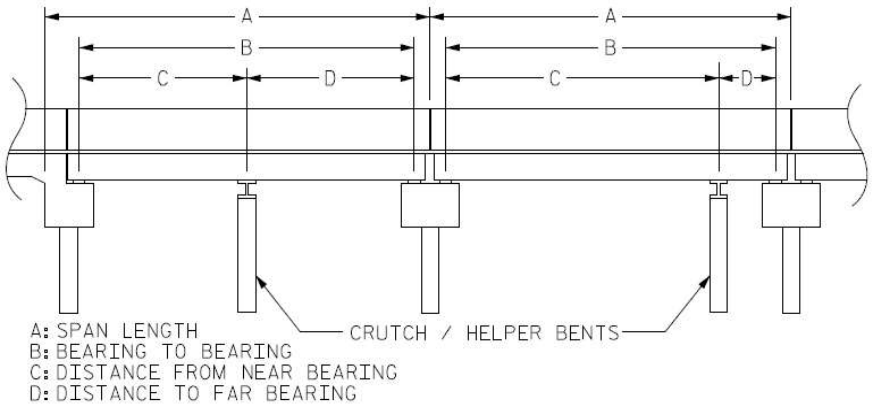
Top of Rail = 0FT (Sounding)



# Structure Data Worksheet

## Span Profile

County: **JOHNSTON** Structure Number: **500100**




| Span Number | Span Length | Bearing to Bearing | Crutch/ Helper Bent | Distance to Near Bearing | Distance to Far Bearing |
|---|---|---|---|---|---|
| 1 | 50.250 | 48.500 | | | |
| 2 | 50.000 | 49.000 | | | |
| 3 | 50.000 | 49.000 | | | |
| 4 | 50.000 | 49.000 | | | |
| 5 | 50.000 | 49.000 | | | |
| 6 | 50.000 | 49.000 | | | |
| 7 | 50.000 | 49.000 | | | |
| 8 | 50.250 | 48.500 | | | |

LOOKING SOUTH

TRAFFIC CONTROL USED

LOOKING DOWNSTREAM

SNOOPER USED

SLOPE PROTECTION AT END BENT 1

INTERMEDIATE DIAPHRAGM AT END BENT 1 BAY

END DIAPHRAGM AT BENT 1 BAY 2

SOUTHWEST WINGWALL. NOTE HEAVY VEGETATION.

BOTTOM FLANGE THICKNESS IN SPAN 1, BEAM 1.

BOTTOM FLANGE THICKNESS SPAN 1 BEAM 3

TYPICAL BOTTOM FLANGE COVERPLATE DETAIL SPAN 1 BEAM 3. SIMILAR IN BEAMS 2 AND 3 IN ALL SPANS.

BEARINGS AT BENT 1 BEAM 2

PREVIOUS REPAIR TO FAR BEARING IN SPAN 1 BEAM 3. TYPICAL AT BEAM 1.

BENT 2 PROFILE. OTHER INTERIOR BENTS SIMILAR.

DECK DRAINS UNDER LEFT OVERHANG IN SPAN 3. TYPICAL ALONG BOTH BRIDGE RAILS IN ALL SPANS.

UPSTREAM FROM UNDER THE BRIDGE

DOWNSTREAM FROM UNDER THE BRIDGE

SUPERSTRUCTURE UNDERSIDE SPAN 5. NOTE NEW PAINT REPAIRS SINCE PREVIOUS INSPECTION.

TPYICAL DECK UNDERSIDE SPAN 5 BAY 1. NOTE NEW DECK SINCE PREVIOUS INSPECTION.

BENT 7 PROFILE

WEB THICKNESS SPAN 8 BEAM 2

SLOPE PROTECTION AT END BENT 2

NORTHWEST WINGWALL. NOTE HEAVY VEGETATION.

WEST PROFILE

END BENT 1 PROFILE

CAP AND BACKWALL AT END BENT 1 BAY 1

NORTHEAST WINGWALL

EAST PROFILE

GUARDRAIL END TERMINAL NORTHWEST CORNER

POST SPACING MID LENGTH NORTHEAST CORNER

POST SPACING MID LENGTH NORTHWEST CORNER

POST SPACING AT BRIDGE NORTHWEST CORNER

POST SPACING AT BRIDGE NORTHEAST CORNER

NORTH APPROACH SLAB. NEW SINCE PREVIOUS INSPECTION.

NORTH APPROACH. NOTE NEW APPROACH PAVEMENT.

LEFT BRIDGE RAIL

TOP OF DECK. NOTE NEW DECK SINCE PREVIOUS INSPECTION.

RIGHT BRIDGE RAIL

DECK JOINT AT END BENT 2. TYPICAL AT ALL BENTS. NEW SINCE PREVIOUS INSPECTION.

DECK DRAIN ALONG LEFT BRIDGE RAIL IN SPAN 8. TYPICAL ALONG BOTH BRIDGE RAILS IN ALL SPANS.

LEFT BRIDGE RAIL LOOKING SOUTH

SOUTH APPROACH

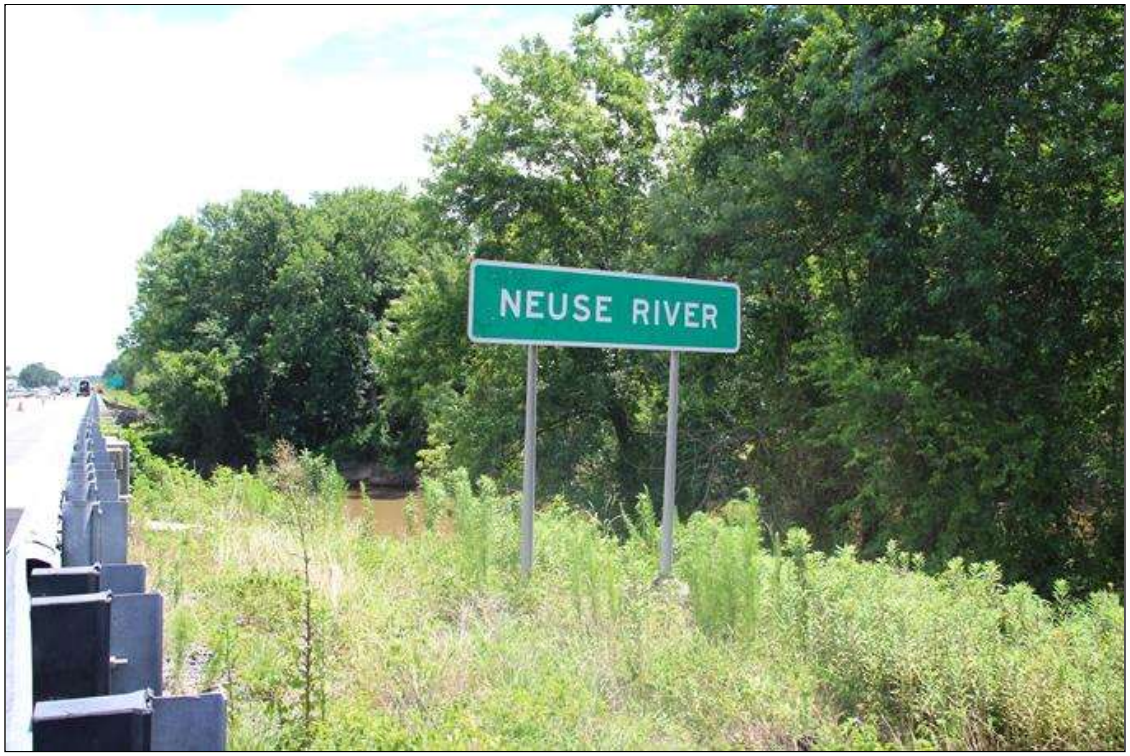
POST SPACING AT BRIDGE SOUTHWEST CORNER

DECK JOINT OVER END BENT 1

POST SPACING MID LENGTH SOUTHWEST CORNER

POST SPACING MID LENGTH SOUTHEAST CORNER

LOOKING NORTH

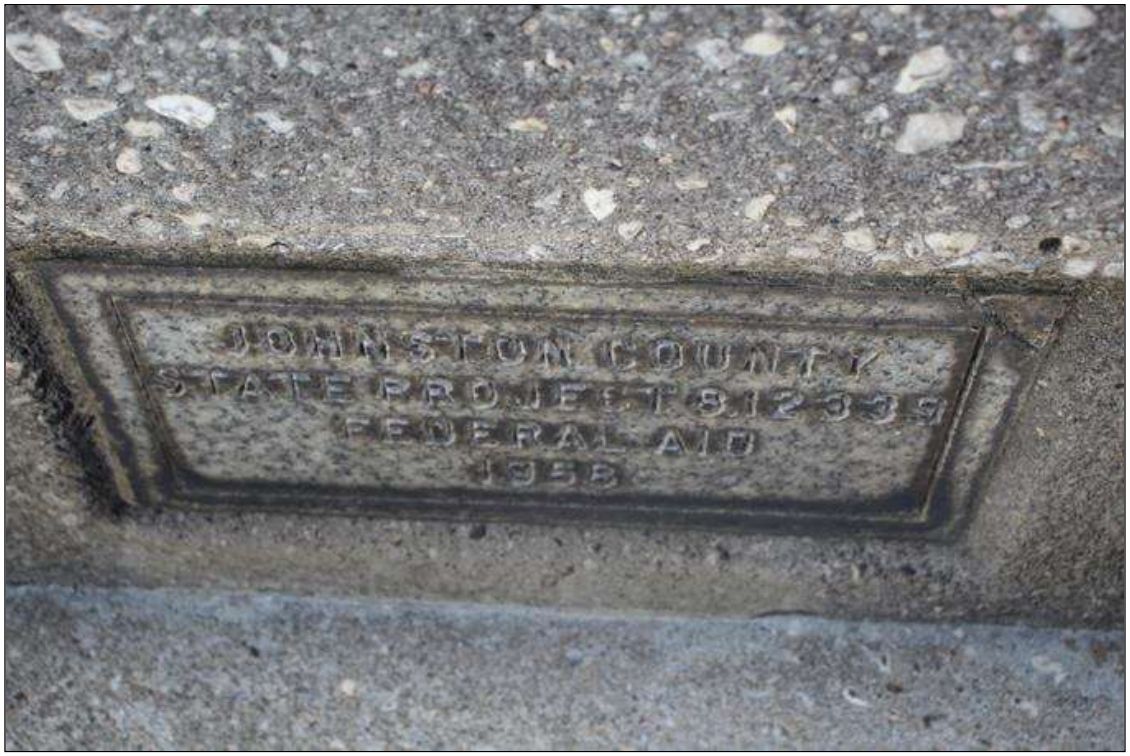



BRIDGE SIGN AT SOUTHEAST CORNER

POST SPACING AT BRIDGE SOUTHEAST CORNER

SOUTHEAST WINGWALL. NOTE HEAVY VEGETATION.

END BENT 1 PROFILE




BRIDGE PLAQUE AT SOUTHEAST CORNER. TYPICAL AT NORTHWEST CORNER.

DECK JOINT ALONG BENT 7. OTHER BENTS SIMILAR.

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 500100 County JOHNSTON Date:

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

| MMS Code | Description of Function | Unit | Quantity | Remarks | Est. Cost |
|---|---|---|---|---|---|
| 3334 | Bridge Bearings | EA | 1 | Span 4 Beam 3 Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. 5 IN WIDE X 1 IN DEEP AREA OF BEARING PLATE IS UNDERMINED (PAR). | |
| 3348 | Maintain Concrete Substructure Components | LF | 2 | Bent 4 Cap 1: 17 IN WIDE X UP TO 11 IN HIGH X UP TO 6 IN DEEP SPALLED PATCHED AREA, TOP OF SOUTH FACE, EXTENDING BELOW BEAM 3 BEARING ASSEMBLY, BEARING IS NOT SEATED LEVEL (PAR). | |
| 3348 | Maintain Concrete Substructure Components | LF | 1 | Bent 7 Pile 7: 15 IN WIDE X 10 IN HIGH AREA OF THE SOUTH FLANGE EXHIBITS HEAVY SURFACE CORROSION WITH SECTION LOSS ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUND LINE. UP TO 0.50 IN SECTION REMAINING (PAR). NORTH FLANGE AND THE WEB EXHIBIT HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS. | |

Key

Priority Maintenance Item  Critical Finding Item  Priority Maintenance Level Not Determined

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 500100 County JOHNSTON

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

| MMS Code | MMS Description | Quantity |
|---|---|---|
| 3334 | Bridge Bearings | 1 EA |

| Location: |
|---|
| Bent/Span No. |

| Priority Level | Status |
|---|---|
| Critical Finding | Division Bridge Maintenance Notification Received |

| Submitted Date: | Submitted By: | Assisted By: |
|---|---|---|
| 06/27/2019 | RAGHUVEER SURAPANENI | |

| Details |
|---|
| Span 4 Beam 3 Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. 5 IN WIDE X 1 IN DEEP AREA OF BEARING PLATE IS UNDERMINED (PAR). |

| MMS Code | MMS Description | Quantity |
|---|---|---|
| 3348 | Maintain Concrete Substructure Components | 2 LF |

| Location: |
|---|
| Bent/Span No. |

| Priority Level | Status |
|---|---|
| Critical Finding | Division Bridge Maintenance Notification Received |

| Submitted Date: | Submitted By: | Assisted By: |
|---|---|---|
| 06/27/2019 | RAGHUVEER SURAPANENI | |

| Details |
|---|
| Bent 4 Cap 1: 17 IN WIDE X UP TO 11 IN HIGH X UP TO 6 IN DEEP SPALLED PATCHED AREA, TOP OF SOUTH FACE, EXTENDING BELOW BEAM 3 BEARING ASSEMBLY, BEARING IS NOT SEATED LEVEL (PAR). |

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 500100 County JOHNSTON

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

| MMS Code | MMS Description | Quantity |
|---|---|---|
| 3348 | Maintain Concrete Substructure Components | 1 LF |

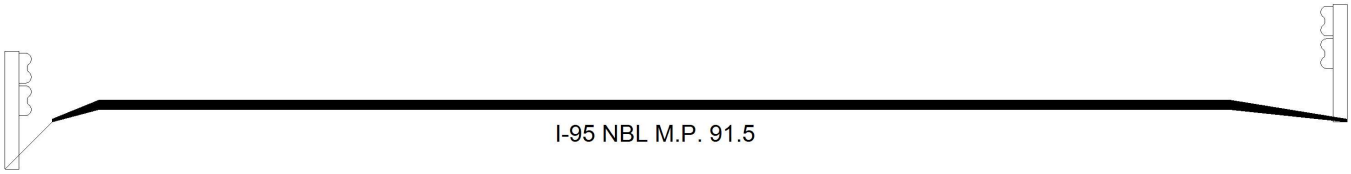
| Location: |
|---|
| Bent/Span No. |

| Priority Level | Status |
|---|---|
| Priority Maintenance | Division Bridge Maintenance Notification Received |

| Submitted Date: | Submitted By: | Assisted By: |
|---|---|---|
| 06/27/2019 | RAGHUVEER SURAPANENI | |

| Details |
|---|
| Bent 7 Pile 7: 15 IN WIDE X 10 IN HIGH AREA OF THE SOUTH FLANGE EXHIBITS HEAVY SURFACE CORROSION WITH SECTION LOSS ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUND LINE. UP TO 0.50 IN SECTION REMAINING (PAR). NORTH FLANGE AND THE WEB EXHIBIT HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS. |

# Bridge Inspection Field Sketch



I-95 NBL M.P. 91.5

| | | | |
|---|---|---|---|
| Roadway | 24ft Wide | 2 Paved Lanes | Looking North |
| Left Shoulder | 2ft Wide | 1ft Paved | 1ft Unpaved |
| Right Shoulder | 2.5ft Wide | 2.5ft Paved | |
| Left Guardrail | 2ft from road | | |
| Right Guardrail | 2.5ft from road | | |

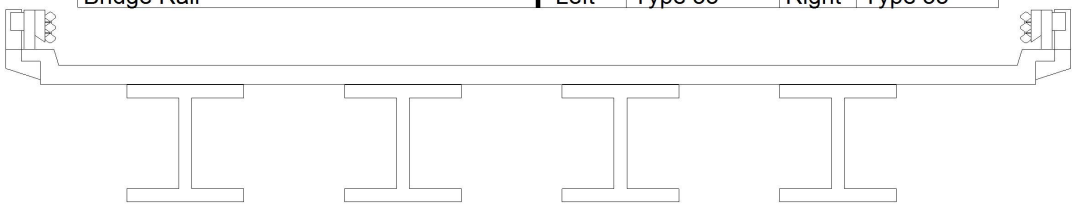
MEASURED AT 5 FT FROM END BENT 1 DECK JOINT AT SOUTHEAST CORNER

MODIFIED BY RS ON 6/25/19

| **Title** | **Description** | | |
|---|---|---|---|
| APPROACH ROADWAY - NBL | LOOKING NORTH | | |
| **Bridge No:** 500100 | **Drawn By:** A. D. OSBORNE | **Date:** 06/21/2005 | **File Name:** S0154000024 |

# Bridge Inspection Field Sketch

| | | | | | | |
|---|---|---|---|---|---|---|
| Deck Width/Out to Out | 33.50ft | Between Rails | | | | 28.167ft |
| Clear Roadway | 28.167ft | Wearing Surface | | | | 0.146ft* |
| Median Width | | Median Height | | | | |
| Curb Height | | Left | 0.833ft | Right | 0.833ft | |
| Sidewalk Width | | Left | | Right | | |
| Clear Roadway (Rail to Median) | | Left | | Right | | |
| Guardrail Width | | Left | 2.667ft | Right | 2.667ft | |
| Top of Rail to Deck/Wearing Surface | | Left | 3.0ft | Right | 3.0ft | |
| Bridge Rail | | Left | Type 33 | Right | Type 33 | |



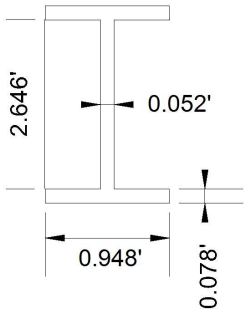
| | | | |
|---|---|---|---|
| Measurements for Span # | 1 | TYPICAL IN OTHER SPANS | |
| Deck Thickness | 0.895ft | Left Overhang | 4.75' |
| Top of Rail to Bottom of Beam | 6.541ft | Right Overhang | 4.75' |

| Beam Number | Beam Type | Spacing | Comments |
|---|---|---|---|
| 1 | Steel I Beam | 8ft | |
| 2 | Steel I Beam | 8ft | |
| 3 | Steel I Beam | 8ft | |
| 4 | Steel I Beam | ft | |

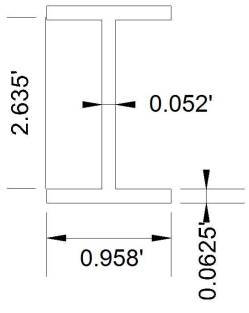
CHANGE IN BEAM SIZES, DECK WIDTH, CURB HEIGHT, OVERHANGS, TOP OF RAIL TO DECK, GUARDRAIL WIDTH

BEAMS 2&3 COVERPLATES = 26'-6" X 9" X 0.642"

* MINIMUM




EXT. BMS




INT. BMS

MODIFIED BY RS ON 6/25/19

| Title | Description |
|---|---|
| TYPICAL SECTION | 4 LINES STEEL I - BEAMS |

| Bridge No: | Drawn By: | Date: | File Name: |
|---|---|---|---|
| 500100 | A. D. OSBORNE | 06/21/2005 | S0154000025 |

# Bridge Inspection Field Sketch

| Cap Information | | | Material Cast-in-Place Concrete | | | |
|---|---|---|---|---|---|---|
| Length | Width | Height | Left Overhang | Right Overhang | Left Beam to End of Cap. | Right Beam to End of Cap. |
| 31.167 ft. | 2.500 ft. | 2.500 ft. | 1.583 ft. | 1.583 ft. | 1.500 ft. | 1.500 ft. |

| Subcap Information | | | Material | | |
|---|---|---|---|---|---|
| Length | Width | Height | Left Overhang | Right Overhang | Left Pile to Splice. |
| | | | | | |

| Sill Information | | | Material |
|---|---|---|---|
| Length | Width | Height | |
| | | | |

| Pile # | Material | Spacing | Width/Dia. | Height | Length | Orientation | Driven? | Replacement? | Removed? | Collar? |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Steel | 4.667 ft. | 1.833 ft. | 1.833 ft. | | Battered | Yes | No | No | No |
| 2 | Steel | 4.667 ft. | 1.833 ft. | 1.833 ft. | | Vertical | Yes | No | No | No |
| 3 | Steel | 4.667 ft. | 1.833 ft. | 1.833 ft. | | Vertical | Yes | No | No | No |
| 4 | Steel | 4.667 ft. | 1.833 ft. | 1.833 ft. | | Vertical | Yes | No | No | No |
| 5 | Steel | 4.667 ft. | 1.833 ft. | 1.833 ft. | | Vertical | Yes | No | No | No |
| 6 | Steel | 4.667 ft. | 1.833 ft. | 1.833 ft. | | Vertical | Yes | No | No | No |
| 7 | Steel | | 1.833 ft. | 1.833 ft. | | Battered | Yes | No | No | No |

NOTE: PILES ARE CONCRETE ENCASED STEEL H-PILES

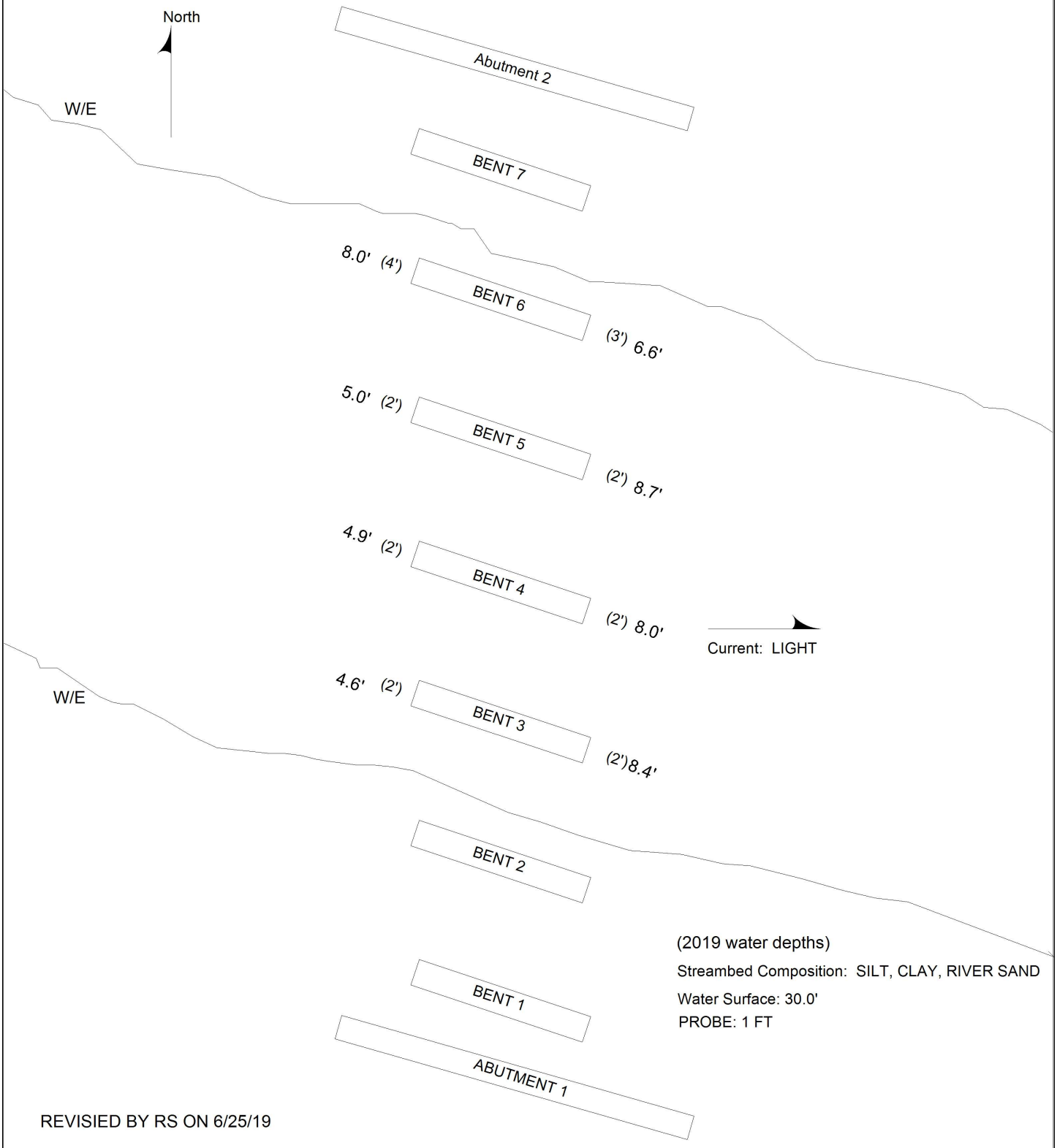
VERIFIED BY RS 6/25/19

Bent/Abutment #: 1 Similar Bents: 2-7

| **Title** | **Description** |
|---|---|
| SUBSTRUCTURE | LOOKING SOUTH |

| **Bridge No:** 500100 | **Drawn By:** | **Date:** 06/22/2005 | **File Name:** S0018000413 |
|---|---|---|---|

# Bridge Inspection Field Sketch




REVISIED BY RS ON 6/25/19

| **Title** | **Description** | | |
|---|---|---|---|
| PLAN VIEW | BRIDGE AND WATERWAY | | |
| **Bridge No:** 500100 | **Drawn By:** WTW | **Date:** 09/19/2005 | **File Name:** S0158000027 |

# Bridge Inspection Field Sketch

BENT 7 STEEL PILE EXPOSURE BELOW CONCRETE ENCASEMENT

6/21/05

| P1 | P2 | P3 | P4 | P5 | P6 | P7 |
|---|---|---|---|---|---|---|
| 0" | 0" | 0" | 0" | 0" | 0" | 8" @ |
| | | | | | | F-1,2,4 |

6/29/2017

| P1 | P2 | P3 | P4 | P5 | P6 | P7 |
|---|---|---|---|---|---|---|
| 0" | 0" | 2" | 2" | 4" | 8" | 20" |

MODIFIED BY MRM, 6/29/2017

| Title | Description |
|---|---|
| VERTICAL EXPOSURE SHEET | BT.#7 VERTICAL EXPOSURE. |

| Bridge No: 500100 | Drawn By: | Date: 09/19/2005 | File Name: S0158000028 |
|---|---|---|---|