



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE, TEMPORARY REPAIRS,  
CHANGES TO STRUCTURE DATA

## Structure Safety Report

### Routine Element Inspection - Contract

COUNTY: WAKE STRUCTURE NUMBER: 910494 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1670 SR 1670 MILE POST:

LOCATION: 0.1 MI.N. OF JCT.SR1760 0.1 MILE NORTH OF JUNCTION WITH SR 1760

FEATURE INTERSECTED: CRABTREE CREEK

LATITUDE: 35° 50' 12.22" LONGITUDE: 78° 40' 29.6"

SUPERSTRUCTURE: RC FLOOR/I-BEAMS

SUBSTRUCTURE: ABUT.1:RC FULL HT;IBTS:RCP&B;EBT.2:RCCAP/H-PILES.

SPANS: 4@62'-6"  
4@62'6"

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

PRESENT CONDITION: Fair INSPECTION DATE: 04/07/2016

POSTED SV: 41 POSTED TTST: 41

OTHER SIGNS PRESENT: (4) DELINEATORS



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               |

|                                |                                    |                                 |
|--------------------------------|------------------------------------|---------------------------------|
| INSPECTED BY<br>T. GLENN ZEBLO | SIGNATURE<br><i>T. Glenn Zeblo</i> | ASSISTED BY<br>MICHAEL R. MEYER |
|--------------------------------|------------------------------------|---------------------------------|

# Structure Element Scoring

Structure Number: **910494**

Inspection Date **4/7/2016**

| Element Number | Parent Number | Element Name                         | Location          | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity |
|----------------|---------------|--------------------------------------|-------------------|----------------|------------------|------------------|------------------|------------------|
| 12             | 0             | Reinforced Concrete Deck             | Deck              | 14396          | 13784            | 596              | 16               | 0                |
| 107            | 0             | Steel Open Girder/Beam               | Beam              | 1968           | 0                | 1877             | 52               | 39               |
| 515            | 107           | Steel Protective Coating             | Beam              | 20192          | 18404            | 20               | 0                | 1768             |
| 205            | 0             | Reinforced Concrete Column           | Piles and Columns | 15             | 5                | 10               | 0                | 0                |
| 215            | 0             | Reinforced Concrete Abutment         | Abutments         | 127            | 116              | 11               | 0                | 0                |
| 220            | 0             | Reinforced Concrete Pile Cap/Footing | Footing           | 21             | 21               | 0                | 0                | 0                |
| 225            | 0             | Steel Pile                           | Piles and Columns | 16             | 16               | 0                | 0                | 0                |
| 234            | 0             | Reinforced Concrete Pier Cap         | Caps              | 505            | 351              | 95               | 51               | 8                |
| 301            | 0             | Pourable Joint Seal                  | Expansion Joints  | 220            | 220              | 0                | 0                | 0                |
| 302            | 0             | Compression Joint Seal               | Expansion Joints  | 300            | 293              | 0                | 7                | 0                |
| 313            | 0             | Fixed Bearing                        | Bearing Device    | 64             | 13               | 35               | 16               | 0                |
| 515            | 313           | Steel Protective Coating             | Bearing Device    | 128            | 26               | 0                | 0                | 102              |
| 333            | 0             | Other Bridge Railing                 | Bridge Rail       | 504            | 362              | 134              | 8                | 0                |

## Element Structure Maintenance Quantities

Structure Number: **910494**

Inspection Date **04/07/2016**

| Location          | MMS Code | Description                                     | Maint Quantity | Total Quantity | Severe Quantity | Poor Quantity | Fair Quantity | Good Quantity |
|-------------------|----------|-------------------------------------------------|----------------|----------------|-----------------|---------------|---------------|---------------|
| Abutments         | 3350     | Maintenance of Concrete Wings and Wall          | 99             | 127            | 0               | 0             | 11            | 116           |
| Beam              | 3314     | Maintenance Steel Superstructure Components     | 1968           | 1968           | 39              | 52            | 1877          | 0             |
| Beam              | 3342     | Clean and Paint Steel                           | 1788           | 20192          | 1768            | 0             | 20            | 18404         |
| Bearing Device    | 3334     | Bridge Bearing                                  | 51             | 64             | 0               | 16            | 35            | 13            |
| Bearing Device    | 3342     | Clean and Paint Steel                           | 102            | 128            | 102             | 0             | 0             | 26            |
| Bridge Rail       | 3318     | Maintenance of Concrete Bridge Rail             | 142            | 504            | 0               | 8             | 134           | 362           |
| Caps              | 3348     | Maintenance of Concrete Substructure            | 154            | 505            | 8               | 51            | 95            | 351           |
| Deck              | 3326     | Maintenance of Concrete Deck                    | 612            | 14396          | 0               | 16            | 596           | 13784         |
| Expansion Joints  | 3310     | Maintenance of Standard Bridge Expansion Joints | 7              | 520            | 0               | 7             | 0             | 513           |
| Footing           | 3348     | Maintenance of Concrete Substructure            | 0              | 21             | 0               | 0             | 0             | 21            |
| Piles and Columns | 3348     | Maintenance of Concrete Substructure            | 31             | 15             | 0               | 0             | 10            | 5             |
| Piles and Columns | 3354     | Maintenance of Steel Substructure Components    | 0              | 16             | 0               | 0             | 0             | 16            |

## Element Condition and Maintenance Data

Structure Number: 910494

Inspection Date: 04/07/2016

### Span 1

### Reinforced Concrete

#### Reinforced Concrete Deck

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 12             | Reinforced Concrete Deck | 3,599     | 3,500   | 94      | 5       | 0 Square Feet |

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

#### General Comments

15' TOTAL FT OF TEMPORARY REPAIR, DECK SURFACE, ALONG SOUTH EDGE OF DECK, OVER END BENT 1, NORTH BOUND LANE.

16" X 1" X 1" AREA OF SPALL, SOUTH EDGE OF DECK, OVER END BENT 1, 24' FROM RIGHT CURB.

5' DIAGONAL HAIRLINE CRACK, DECK SURFACE, SOUTH END OF SOUTH BOUND LANE, 5' FROM LEFT CURB, AT END BENT 1.

2' DIAGONAL HAIRLINE CRACK, DECK SURFACE, AT BENT 1, 5' FROM LEFT CURB.

(10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 1, BEGINNING AT RIGHT CURB.

(6) 7' TRANSVERSE CRACKS WITH EFFLORESCENCE AT 7' CENTERS, UNDERSIDE OF DECK, BAYS 1, 2, AND 3, (2) PER BAY, AT ABUTMENT 1.

### Span 1

### Concrete and Metal

#### Concrete and Metal Railing

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 333            | Other Bridge Railing     | 63        | 17      | 45      | 1       | 0 Feet        |
| 515            | Steel Protective Coating | 125       | 125     | 0       | 0       | 0 Square Feet |

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

#### General Comments

21' X 2' WIDE AREA OF EXPOSED AGGREGATE ALONG RIGHT CURB, BEGINNING AT END BENT 1.

1' X 2' UNSOUND TEMPORARY REPAIR ALONG RIGHT CURB, BETWEEN RAIL POST 2 AND 3.

25' OF TEMPORARY REPAIR ALONG EDGE OF RIGHT CURB WITH CHIPPING AT RANDOM THROUGHOUT, 24' FROM END BENT 1.

CONCRETE CURB AND SIDEWALK AREA IS WEATHERED.

### Span 1

### Plate Girder 1

#### Plate Girder

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 25      | 36      | 0       | Feet        |
| 515            | Steel Protective Coating | 631       | 558     | 10      | 0       | 63      | Square Feet |

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

#### General Comments

1' OF CORROSION WITH RUST SCALE, UNDERSIDE OF BOTTOM FLANGE, AT ABUTMENT 1 BEARING ASSEMBLY.

FRECKLED RUST AT RANDOM THROUGHOUT BEAM WEB.

35' OF CORROSION WITH RUST SCALE AT UNDERSIDE OF TOP FLANGE AND THROUGHOUT BOTTOM FLANGE EXTENDING UP TO 10" INTO WEB, BEGINNING AT BENT 1.

10' OF SURFACE PROTECTION HAS BEEN SCRAPED OFF UNDERSIDE OF BOTTOM FLANGE DIRECTLY ABOVE TRAIL.

### Span 1 Fixed Bearing 1

#### Fixed Bearing

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

#### General Comments

CORROSION WITH RUST SCALE PRESENT.

### Span 1 Plate Girder 2

#### Plate Girder

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 558     | 10      | 0       | 63 Square Feet |

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

#### General Comments

10' OF SURFACE PROTECTION HAS BEEN SCRAPED OFF UNDERSIDE OF BOTTOM FLANGE DIRECTLY ABOVE TRAIL.

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

TEMPORARY REPAIR TO BOTTOM FLANGE, WEB AND STIFFENER, AT BENT 1.

### Span 1 Fixed Bearing 2

#### Fixed Bearing

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

#### General Comments

CORROSION WITH FRECKLED RUST PRESENT.

**Span 1 Fixed Bearing 2****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

TEMPORARY REPAIR TO BOTTOM FLANGE, WEB AND STIFFENER, AT BENT 1.

**Span 1 Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

TEMPORARY REPAIR TO EAST BEARING STIFFENER.

**Span 1 Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0       | Feet        |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63      | Square Feet |

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

**General Comments**

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

TEMPORARY REPAIR TO TOP OF BOTTOM FLANGE AND BEARING STIFFENER.

**Span 1 Fixed Bearing 5****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

**Span 1 Plate Girder 6****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 59      | 0       | 2       | Feet        |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63      | Square Feet |

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

**General Comments**

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. (PM)

**Span 1****Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

**Span 1****Plate Girder 7****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 59      | 2       | 0       | Feet        |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63      | Square Feet |

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

**General Comments**

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

20" CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1.

**Span 1****Fixed Bearing 7****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

**Span 1****Plate Girder 8****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 60      | 1       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.

1' OF CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE AT BENT 1.

**Span 1 Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH SURFACE RUST THROUGHOUT.

**Span 2 Reinforced Concrete****Reinforced Concrete Deck**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 12             | Reinforced Concrete Deck | 3,599     | 3,228   | 360     | 11      | 0       | Square Feet |

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

**General Comments**

(2) UP TO 5' DIAGONAL HAIRLINE CRACKS, DECK SURFACE, AT BENT 1, 2' FROM LEFT CURB.

20' DIAGONAL HAIRLINE CRACKS, DECK SURFACE, BEGINNING AT BENT 2, 2' FROM LEFT CURB.

(10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 2, BEGINNING AT RIGHT CURB.

**Span 2 Concrete and Metal****Concrete and Metal Railing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 333            | Other Bridge Railing     | 63        | 0       | 58      | 5       | 0       | Feet        |
| 515            | Steel Protective Coating | 125       | 125     | 0       | 0       | 0       | Square Feet |

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

**General Comments**

CONCRETE CURB AND SIDEWALK AREA IS WEATHERED.

4' X 2' AREA OF SPALL UP TO 2" DEEP, TOP OF LEFT SIDEWALK, AT BENT 1.

19" X 12" X 1" SPALL, TOP OF LEFT SIDE WALK, 5' FROM BENT 2.

60' X 5' AREA OF SCALE AND POPOUTS THROUGHOUT TOP OF LEFT CURB.

1' X 1' X 1/2" AREA OF SPALL, TOP EDGE OF LEFT SIDE WALK, AT BENT 2.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM WEB.

**Span 2****Fixed Bearing 1****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 2****Fixed Bearing 1****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM WEB.

TEMPORARY REPAIR TO BOTTOM FLANGE, WEB AND STIFFENER, AT BENT 1.

TEMPORARY REPAIR TO WEB, BOTTOM FLANGE, AND BEARING STIFFENER AT BENT 2.

**Span 2 Fixed Bearing 2****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 61      | 1       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32 Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

1' OF CORROSION THROUGHOUT TEMPORARY REPAIR TO BOTTOM FLANGE AND WEB, AT BENT 1.

**Span 2 Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 2 Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 60      | 2       | 0       | Feet        |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32      | Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

18" OF CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE, EXTENDING 35" INTO WEB, AT BENT 2.

**Span 2****Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 2****Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 54      | 0       | 8       | Feet        |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32      | Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. (PM)

5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING.  
(PM)

## Span 2 Fixed Bearing 5

### Fixed Bearing

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

#### General Comments

CORROSION WITH RUST SCALE PRESENT.

## Span 2 Fixed Bearing 5

### Fixed Bearing

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

#### General Comments

CORROSION WITH RUST SCALE PRESENT.

## Span 2 Plate Girder 6

### Plate Girder

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 50      | 0       | 12 Feet        |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32 Square Feet |

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

#### General Comments

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1. (PM)

4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE AT 8" FROM BEARING, WITH PITTING IN WEB, AT BENT 2. (PM)

**Span 2 Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 2 Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 2 Plate Girder 7****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 57      | 0       | 5 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

3' TEMPORARY REPAIR TO BOTTOM FLANGE AT BENT 2.

5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE EXTENDING INTO WEB, AT BENT 1. (PM)

TEMPORARY REPAIR TO BOTTOM FLANGE, WEB, BEARING STIFFENER, AND NEW BEARING ASSEMBLY AT BENT 2.

**Span 2 Fixed Bearing 7****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

Structure Number: **910494**Inspection Date: **04/07/2016**

0 0 0 0

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 2****Plate Girder 8****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 60      | 0       | 2 Feet         |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32 Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

20" OF CORROSION WITH SECTION LOSS, 9/16" REMAINING AT 1' FROM BEARING, AT BENT 2. (PM)

**Span 2****Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 2****Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3****Reinforced Concrete****Reinforced Concrete Deck**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 12             | Reinforced Concrete Deck | 3,599     | 3,514   | 85      | 0       | 0 Square Feet |

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

**General Comments**

TRAFFIC LIGHT INDUCTANCE LOOP IS CUT INTO NORTH BOUND LANE, MIDDLE OF SPAN.

(10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 3, BEGINNING AT RIGHT CURB.

9' X 5' X 2" THICK LAYER OF ASPHALT, MIDDLE NORTH BOUND LANE, 4' FROM BENT 3.

(5) 2' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 3, BEGINNING 5' FROM LEFT CURB.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 57      | 0       | 5 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING. (PM)

TEMPORARY REPAIR TO BOTTOM FLANGE AT BENT 2.

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

**Span 3****Fixed Bearing 1****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

TEMPORARY REPAIR TO WEB, BOTTOM FLANGE, BEARING STIFFENER, AND NEW BEARING ASSEMBLY AT BENT 2.

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

TEMPORARY REPAIR TO WEB, BOTTOM FLANGE, BEARING STIFFENER, AND NEW BEARING ASSEMBLY AT

## BENT 3.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 3****Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 1       | 0       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3****Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 3 Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3 Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32 Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

**Span 3 Fixed Bearing 5****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3 Fixed Bearing 5****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 3 Plate Girder 6****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32 Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

**Span 3 Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 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 |
|----------------|-------------|--------------------|----|--------|-----------|
| 0              |             |                    | 0  | 0      | 0         |

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3 Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 3****Plate Girder 7****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 3****Fixed Bearing 7****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3****Fixed Bearing 7****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 3****Plate Girder 8****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 62        | 0       | 62      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 599     | 0       | 0       | 32 Square Feet |

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

**General Comments**

5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.

**Span 3 Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 0       | 1       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH RUST SCALE PRESENT.

**Span 3 Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 12             | Reinforced Concrete Deck | 3,599     | 3,542   | 57      | 0       | 0       | Square Feet |

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

**General Comments**

27' X 1' DELAMINATION, DECK SURFACE, SOUTH BOUND LANE, AT BENT 3.

(10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 3, BEGINNING AT RIGHT CURB.

**Span 4 Compression Seal 1****Compression Seal**

| Element Number | Element Name           | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------|-----------|---------|---------|---------|---------|
| 301            | Pourable Joint Seal    | 110       | 110     | 0       | 0       | 0 Feet  |
| 302            | Compression Joint Seal | 100       | 93      | 0       | 7       | 0 Feet  |

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

**General Comments**

7' LOSS OF ADHESION, SOUTH BOUND LANE, BEGINNING 2' FROM LEFT CURB.

DECK SURFACE IS WORN WITH TRAVELS WITH EXPOSED AGGREGATE, BUT GROOVING IS STILL PRESENT.

**Span 4 Concrete and Metal****Concrete and Metal Railing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 333            | Other Bridge Railing     | 63        | 62      | 1       | 0       | 0 Feet        |
| 515            | Steel Protective Coating | 125       | 125     | 0       | 0       | 0 Square Feet |

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

**General Comments**

CONCRETE CURB AND SIDEWALK AREA IS WEATHERED.

1' OF MAP CRACKING UP TO 1/32", TOP OF NORTHWEST RAIL END POST.

**Span 4 Concrete and Metal****Concrete and Metal Railing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 333            | Other Bridge Railing     | 63        | 31      | 30      | 2       | 0 Feet        |
| 515            | Steel Protective Coating | 125       | 125     | 0       | 0       | 0 Square Feet |

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

**General Comments**

2' X 1' X 1/2" SPALL, TOP EDGE OF RIGHT CURB, 27' FROM END BENT 2.

CONCRETE CURB AND SIDEWALK AREA IS WEATHERED.

30' OF TEMPORARY REPAIR ALONG EDGE OF RIGHT CURB WITH CHIPPING AT RANDOM THROUGHOUT, AT END BENT 2.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 4 Fixed Bearing 1****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Fixed Bearing 1****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

TEMPORARY REPAIR TO BOTTOM FLANGE, WEB, BEARING STIFFENER, AND BEARING ASSEMBLY AT BENT 3.

**Span 4 Fixed Bearing 2****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Fixed Bearing 2****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 4****Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4****Fixed Bearing 3****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 4 Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Fixed Bearing 4****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty        |
|----------------|--------------------------|-----------|---------|---------|---------|----------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 61      | 0       | 0 Feet         |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63 Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 4 Fixed Bearing 5****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Fixed Bearing 5****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Plate Girder 6****Plate Girder**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61        | 0       | 56      | 0       | 5       | Feet        |
| 515            | Steel Protective Coating | 631       | 568     | 0       | 0       | 63      | Square Feet |

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

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

5' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE, 16" FROM BENT 3 BEARING. (PM)

**Span 4 Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Fixed Bearing 6****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |             |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0       | Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2       | Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4****Plate Girder 7****Plate Girder**

| Element Number | Element Name             | Total Qty          | CS1 Qty | CS2 Qty | CS3 Qty   | CS4 Qty |             |
|----------------|--------------------------|--------------------|---------|---------|-----------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61                 | 0       | 61      | 0         | 0       | Feet        |
| 515            | Steel Protective Coating | 631                | 568     | 0       | 0         | 63      | Square Feet |
| Element Number | Defect Type              | Defect Description | CS      | CS Qty  | Maint Qty |         |             |
| 0              |                          |                    | 0       | 0       | 0         |         |             |

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

**Span 4****Fixed Bearing 7****Fixed Bearing**

| Element Number | Element Name             | Total Qty          | CS1 Qty | CS2 Qty | CS3 Qty   | CS4 Qty |             |
|----------------|--------------------------|--------------------|---------|---------|-----------|---------|-------------|
| 313            | Fixed Bearing            | 1                  | 0       | 1       | 0         | 0       | Each        |
| 515            | Steel Protective Coating | 2                  | 0       | 0       | 0         | 2       | Square Feet |
| Element Number | Defect Type              | Defect Description | CS      | CS Qty  | Maint Qty |         |             |
| 0              |                          |                    | 0       | 0       | 0         |         |             |

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4****Fixed Bearing 7****Fixed Bearing**

| Element Number | Element Name             | Total Qty          | CS1 Qty | CS2 Qty | CS3 Qty   | CS4 Qty |             |
|----------------|--------------------------|--------------------|---------|---------|-----------|---------|-------------|
| 313            | Fixed Bearing            | 1                  | 0       | 1       | 0         | 0       | Each        |
| 515            | Steel Protective Coating | 2                  | 0       | 0       | 0         | 2       | Square Feet |
| Element Number | Defect Type              | Defect Description | CS      | CS Qty  | Maint Qty |         |             |
| 0              |                          |                    | 0       | 0       | 0         |         |             |

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4****Plate Girder 8****Plate Girder**

| Element Number | Element Name             | Total Qty          | CS1 Qty | CS2 Qty | CS3 Qty   | CS4 Qty |             |
|----------------|--------------------------|--------------------|---------|---------|-----------|---------|-------------|
| 107            | Steel Open Girder/Beam   | 61                 | 0       | 51      | 10        | 0       | Feet        |
| 515            | Steel Protective Coating | 631                | 568     | 0       | 0         | 63      | Square Feet |
| Element Number | Defect Type              | Defect Description | CS      | CS Qty  | Maint Qty |         |             |
| 0              |                          |                    | 0       | 0       | 0         |         |             |

**General Comments**

10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM FLANGES AND WEB.

10' OF CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE, EXTENDING 35" INTO WEB, AT BENT 3.

**Span 4 Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

**Span 4 Fixed Bearing 8****Fixed Bearing**

| Element Number | Element Name             | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty       |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 313            | Fixed Bearing            | 1         | 0       | 1       | 0       | 0 Each        |
| 515            | Steel Protective Coating | 2         | 0       | 0       | 0       | 2 Square Feet |

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

**General Comments**

CORROSION WITH FRECKLED RUST PRESENT.

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

| Element Number | Element Name                 | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 215            | Reinforced Concrete Abutment | 127       | 116     | 11      | 0       | 0 Feet  |

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

**General Comments**

(11) 9" VERTICAL CRACKS UP TO 1/32", AT AVERAGE 8' CENTERS, NORTH FACE OF ABUTMENT.

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

| Element Number | Element Name                 | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 234            | Reinforced Concrete Pier Cap | 127       | 75      | 48      | 0       | 4 Feet  |

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

**General Comments**

16" X 19" X UP TO 5.25" DEEP SPALL WITH EXPOSED REINFORCING, NORTH FACE BELOW BEAM 2, EXTENDING 3.75" UNDER BEARING PLATE. (PM)

SOUND TEMPORARY REPAIR BELOW BEAM 3.

29" X 19" X UP TO 5.5" DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, NORTH FACE BELOW BEAM 4, EXTENDING 3.5" UNDER BEARING PLATE. (PM)

15" X 9" DELAMINATION, NORTH FACE BELOW BEAM 5.

1' VERTICAL HAIRLINE CRACK BEGINNING AT TOP OF CAP, BELOW BEAM 6.

9" VERTICAL HAIRLINE CRACK BEGINNING AT TOP OF CAP, BELOW BEAM 7.

42' OF HAIRLINE MAP CRACKING, NORTH FACE OF CAP, BEGINNING AT BEAM 5.

9" VERTICAL HAIRLINE CRACK BEGINNING AT TOP OF CAP, BELOW BEAM 8.

**Bent 1 Reinforced Concrete****Reinforced Concrete Column**

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

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

**General Comments**

6" X 2" X 2" SPALL, SOUTHWEST CORNER, 6' ABOVE GRADE.

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 1 Reinforced Concrete****Reinforced Concrete Column**

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

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 1 Reinforced Concrete****Reinforced Concrete Column**

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

---

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 1 Reinforced Concrete****Reinforced Concrete Column**

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

---

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 1 Reinforced Concrete****Reinforced Concrete Column**

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

---

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

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

| Element Number | Element Name                 | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 234            | Reinforced Concrete Pier Cap | 91        | 47      | 26      | 18      | 0 Feet  |

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

**General Comments**

South Face

6' X 10" X 6" DELAMINATION WITH A 4' CRACK UP TO 1/4", BOTTOM CORNER SOUTH FACE, BELOW BEAM 2.

4' X 10" X 5" DELAMINATION, TOP CORNER OF SOUTH FACE OF CAP, BELOW BEAM 3.

9' X UP TO 2' TEMPORARY REPAIR, TOP OF SOUTH FACE, BELOW BAY 3, BEGINNING AT BEAM 3.

3' X 16" X 5" CORNER DELAMINATION/SPALL, TOP OF SOUTH FACE, BELOW MIDDLE OF BAY 3.

5' X 14" DELAMINATION WITH A 4' HORIZONTAL CRACK UP TO 1/16", TOP CORNER OF SOUTH FACE, BEGINNING AT BEAM 6.

2'-8" X 9" DELAMINATION WITH A 3'-8" HORIZONTAL CRACK UP TO 1/8", TOP SOUTH FACE, BELOW BEAM 8.

North Face

3'-4" X 6" X 3" DELAMINATION WITH A 3' HORIZONTAL CRACK UP TO 1/8", BOTTOM CORNER OF NORTH FACE, BELOW BAY 3 BEGINNING AT BEAM 3.

33" X 8" DELAMINATION, MIDDLE OF NORTH FACE BELOW BAY 3.

3' X 6" X 6" DELAMINATION WITH A 3' HORIZONTAL CRACK UP TO 1/8", BOTTOM CORNER OF NORTH FACE, UNDER BAY 1.

6' X 6" X 3" DELAMINATION WITH A 6' HORIZONTAL CRACK UP TO 1/16", NORTH FACE, ABOVE PILE 3.

30" HORIZONTAL CRACK UP TO 1/8", 4" BELOW TOP OF CAP, BELOW BEAM 6, NORTH FACE.

4' X 8" DELAMINATION, UNDERSIDE OF CAP, BETWEEN COLUMNS 4 AND 5.

**Bent 2 Reinforced Concrete****Reinforced Concrete Column**

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

---

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

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

| Element Number | Element Name                 | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 234            | Reinforced Concrete Pier Cap | 91        | 64      | 10      | 17      | 0 Feet  |

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

**General Comments**

10' HORIZONTAL CRACK UP TO 1/4", UNDERSIDE OF CAP, 4" FROM SOUTH FACE, BETWEEN PILES 4 AND 5.

7" X 1" X 1/2 SPALL WITH EXPOSED REINFORCING, BOTTOM OF SOUTH FACE, ABOVE PILE 3.

16" X 14" DELAMINATION, SOUTH FACE, BETWEEN PILES 1 AND 2.

10" X 20" DELAMINATION, SOUTH FACE, BETWEEN PILES 1 AND 2.

6" DIAMETER DELAMINATION, SOUTH FACE, BELOW BEAM 2.

26" HORIZONTAL CRACK UP TO 1/16", 5" BELOW TOP NORTH FACE OF CAP, BELOW BEAM 6.

32" HORIZONTAL CRACK UP TO 1/16" BOTTOM CORNER OF NORTH FACE, BELOW BEAM 7.

6' X 1' DELAMINATION, UNDERSIDE OF CAP, BETWEEN COLUMNS 4 AND 5.

**Bent 2 Reinforced Concrete****Reinforced Concrete Column**

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

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 2 Reinforced Concrete****Reinforced Concrete Column**

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

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 2 Reinforced Concrete****Reinforced Concrete Column**

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

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

**Bent 2 Reinforced Concrete****Reinforced Concrete Column**

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

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

**General Comments**

3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.

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

| Element Number | Element Name                 | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 234            | Reinforced Concrete Pier Cap | 105       | 98      | 2       | 5       | 0 Feet  |

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

**General Comments**

60" X 9" X 1" DELAMINATION/SPALL, SOUTH FACE, BETWEEN BEAMS 1 AND 2.

19" X 11" DELAMINATION, SOUTH FACE, BELOW BEAM 1.

**Bent 3 Reinforced Concrete****Reinforced Concrete Pier Cap**

| Element Number | Element Name                 | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 234            | Reinforced Concrete Pier Cap | 91        | 67      | 9       | 11      | 4 Feet  |

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

**General Comments**

4' HORIZONTAL CRACK WITH EFFLORESCENCE, SOUTH FACE, BELOW BEAM 2.

3.5' X 8" X 6" TEMPORARY REPAIR, BOTTOM CORNER OF SOUTH FACE, BELOW BEAM 2.

72" X 5" X 4" SPALL WITH EXPOSED REINFORCING, TOP CORNER OF NORTH FACE, BELOW BEAM 2.

4' X 8" TEMPORARY REPAIR, TOP CORNER OF NORTH FACE, ABOVE COLUMN 2.

32" X 15" OF TEMPORARY REPAIR IS DELAMINATED WITH RUST STAIN, NORTH FACE, ABOVE COLUMN 2.

Structure Number: **910494**

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48" X 15" X 4" DELAMINATION/SPALL WITH EXPOSED MAIN REINFORCING, BOTTOM CORNER OF NORTH FACE,  
ABOVE COLUMN 4. (PM)

24" HORIZONTAL CRACK UP TO 1/16", UNDERSIDE OF CAP, 3' FROM COLUMN 4, BETWEEN COLUMNS 4 AND 5.

## Elements Verified

| Location | Name | Component                    | Element Name                 | Amount |
|----------|------|------------------------------|------------------------------|--------|
| Span 1   |      | Reinforced Concrete Deck     | Reinforced Concrete Deck     | 3599   |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Plate Girder                 | Steel Open Girder/Beam       | 61     |
| Span 1   |      | Concrete and Metal Railing   | Other Bridge Railing         | 63     |
| Span 1   |      | Concrete and Metal Railing   | Other Bridge Railing         | 63     |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 1   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Bent 1   |      | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 91     |
| Bent 1   |      | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 127    |
| Bent 1   |      | Reinforced Concrete Column   | Reinforced Concrete Column   | 1      |
| Bent 1   |      | Reinforced Concrete Column   | Reinforced Concrete Column   | 1      |
| Bent 1   |      | Reinforced Concrete Column   | Reinforced Concrete Column   | 1      |
| Bent 1   |      | Reinforced Concrete Column   | Reinforced Concrete Column   | 1      |
| Bent 1   |      | Reinforced Concrete Column   | Reinforced Concrete Column   | 1      |
| Bent 1   |      | Reinforced Concrete Abutment | Reinforced Concrete Abutment | 127    |
| Span 2   |      | Reinforced Concrete Deck     | Reinforced Concrete Deck     | 3599   |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Plate Girder                 | Steel Open Girder/Beam       | 62     |
| Span 2   |      | Concrete and Metal Railing   | Other Bridge Railing         | 63     |
| Span 2   |      | Concrete and Metal Railing   | Other Bridge Railing         | 63     |
| Span 2   |      | Compression Seal             | Compression Joint Seal       | 100    |
| Span 2   |      | Compression Seal             | Pourable Joint Seal          | 110    |
| Span 2   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 2   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 2   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 2   |      | Fixed Bearing                | Fixed Bearing                | 1      |
| Span 2   |      | Fixed Bearing                | Fixed Bearing                | 1      |

## Elements Verified

[illegible]

## Elements Verified

[illegible]

# National Bridge and NC Inspection Items

Structure Number: 910494

Inspection Date: 04/07/2016

## National Bridge Inventory Items

| Item                                    | Grade Scale | Grade |
|-----------------------------------------|-------------|-------|
| Item 58: Deck                           | 0 - 9 , N   | 7     |
| Item 59: Superstructure                 | 0 - 9 , N   | 5     |
| Item 60: Substructure                   | 0 - 9 , N   | 5     |
| Item 61: Channel and Channel Protection | 0 - 9 , N   | 7     |
| Item 62: Culvert                        | 0 - 9 , N   | N     |
| Item 71: Waterway Adequacy              | 0 - 9 , N   | 7     |
| Item 72: Approach Roadway Alignment     | 0 - 9 , N   | 8     |

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

## NC SMU Inspection Items

| Item                     | Grade Scale   | Grade | Maint. Qty. | Maint. Code |
|--------------------------|---------------|-------|-------------|-------------|
| Deck Debris              | G, F, P, or C | F     | 14396       | 3376        |
| Drainage System          | G, F, P, or C | P     | 50          | 3332        |
| Utilities                | G, F, P, or C | F     |             |             |
| Slope Protection         | G, F, P, or C | G     | 0           | 3352        |
| Scour                    | G, F, P, or C | F     |             |             |
| Wingwall                 | G, F, P, or C | G     | 0           | 3350        |
| Field Scour Evaluation   |               | G     |             |             |
| Drift                    | G, F, P, or C | G     | 0           | 3366        |
| Fender System            | G, F, P, or C |       | 0           | 3364        |
| Movable Span Machinery   | G, F, P, or C |       |             |             |
| Response to Live Load    | G, F, P, or C | G     |             |             |
| Estimated Remaining Life | 0 - 100 Years | 10    |             |             |

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

## Inspection Information

| Item                                   | Grade Scale | Grade |
|----------------------------------------|-------------|-------|
| Regulatory Sign Noticed Issued         | YES/NO      | N     |
| Priority Maintenance Request Submitted | YES/NO      | Y     |
| Inspection Time                        | Hours       | 20    |
| Traffic Control Time                   | Hours       | 0     |
| Snooper Time                           | Hours       | 0     |
| Ladder Used                            | YES/NO      | Y     |
| Bucket Truck Used                      | YES/NO      | N     |
| Boat Used                              | YES/NO      | N     |
| Other Equipment Used                   | YES/NO      | Y     |

## National Bridge and NC SMU Inspection Item Details

**Structure Number:** 910494

**Inspection Date:** 04/07/2016

|         |                                                                                                                                           |       |   |            |      |      |       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------|-------|---|------------|------|------|-------|
| Item    | Superstructure - Item 59                                                                                                                  | Grade | 5 | Maint Code |      | Qty. | 0     |
| Details | SPAN 1 INTERMEDIATE DIAPHRAGMS HAVE SURFACE RUST AT RANDOM THROUGHOUT.                                                                    |       |   |            |      |      |       |
|         | 4' X 10" X UP TO 8" SPALL WITH EXPOSED REINFORCING UNDERSIDE OF BENT 1 END DIAPHRAGM, SPAN 1, BETWEEN BEAMS 1 AND 2, NEXT TO BEAM 2.      |       |   |            |      |      |       |
|         | 3' X 10" X UP TO 10" SPALL WITH EXPOSED REINFORCING UNDERSIDE OF BENT 1 END DIAPHRAGM, SPAN 1, BETWEEN BEAMS 2 AND 3, NEXT TO BEAM 3.     |       |   |            |      |      |       |
|         | CORROSION WITH RUST SCALE THROUGHOUT ALL BENT 1, SPAN 1, END DIAPHRAGMS.                                                                  |       |   |            |      |      |       |
|         | 3' X 10" X 8" SPALL WITH EXPOSED REINFORCING, SPAN 2 CONCRETE END DIAPHRAGM, BAY 7, NEXT TO BEAM 8, AT BENT 2.                            |       |   |            |      |      |       |
|         | 3' X 10" X 10" SPALL WITH EXPOSED REINFORCING, SPAN 4 CONCRETE END DIAPHRAGM, BETWEEN BEAMS 6 AND 7, AT BENT 3.                           |       |   |            |      |      |       |
|         | CONTRACTOR SCAFFOLD LOCATED 6FT NORTH OF BENT 2, HANGING FROM BEAMS 1 AND 3.                                                              |       |   |            |      |      |       |
| Item    | Substructure - Item 60                                                                                                                    | Grade | 5 | Maint Code |      | Qty. | 0     |
| Details | End Bent 1 Abutment/Backwall: 10' OF WATER LEAKAGE, SOUTHWEST END OF ABUTMENT.                                                            |       |   |            |      |      |       |
| Item    | Presently Posted                                                                                                                          | Grade | Y | Maint Code |      | Qty. | 0     |
| Details | WEIGHT LIMIT 41 TONS.                                                                                                                     |       |   |            |      |      |       |
| Item    | Other Equipment Used                                                                                                                      | Grade | Y | Maint Code |      | Qty. | 0     |
| Details | WADERS.                                                                                                                                   |       |   |            |      |      |       |
| Item    | Deck Debris                                                                                                                               | Grade | F | Maint Code | 3376 | Qty. | 14396 |
| Details | 1' WIDE X UP TO 2" DEEP OF DECK DEBRIS ALONG BOTH CURBS, ALL SPANS.                                                                       |       |   |            |      |      |       |
| Item    | Drainage System                                                                                                                           | Grade | P | Maint Code | 3332 | Qty. | 50    |
| Details | 18' X 1' AREA OF WATER PONDING, AT LEFT CURB, BEGINNING AT BENT 1, DECK IS SLOPED TOWARD LEFT SIDE OF BRIDGE WITH NO DRAINS ON LEFT SIDE. |       |   |            |      |      |       |
|         | WATER PONDING IN RIGHT TRAVEL LANE, SPAN 4.                                                                                               |       |   |            |      |      |       |
|         | DECK DRAINS ARE PRESENT UNDERSIDE OF DECK, ALONG LEFT CURB BUT HAVE BEEN COVERED BY DECK PRESERVATION EFFORTS ON TOPSIDE.                 |       |   |            |      |      |       |
| Item    | Utilities                                                                                                                                 | Grade | F | Maint Code |      | Qty. | 0     |
| Details | BROKEN UTILITY CONDUIT, RIGHT OVERHANG, SPAN 4.                                                                                           |       |   |            |      |      |       |
| Item    | Scour                                                                                                                                     | Grade | F | Maint Code |      | Qty. | 0     |
| Details | 8' DIAMETER SCOUR HOLE UP TO 20" DEEP AROUND BENT 2 COLUMN 4.                                                                             |       |   |            |      |      |       |



Span 1 Right Bridge Rail: 21' X 2' WIDE AREA OF EXPOSED AGGREGATE ALONG RIGHT CURB, BEGINNING AT END BENT 1.



Span 1 Right Bridge Rail: 1' X 2' UNSOUND TEMPORARY REPAIR ALONG RIGHT CURB, BETWEEN RAIL POST 2 AND 3.



Span 1 Right Bridge Rail: 25' OF TEMPORARY REPAIR ALONG EDGE OF RIGHT CURB WITH CHIPPING AT RANDOM THROUGHOUT, 24' FROM END BENT 1.



Span 1 Deck: 15' TOTAL FT OF TEMPORARY REPAIR, DECK SURFACE, ALONG SOUTH EDGE OF DECK, OVER END BENT 1, NORTH BOUND LANE.



Span 1 Deck: 16" X 1" X 1" AREA OF SPALL, SOUTH EDGE OF DECK, OVER END BENT 1, 24' FROM RIGHT CURB.



Span 1 Deck: 5' DIAGONAL HAIRLINE CRACK, DECK SURFACE, SOUTH END OF SOUTH BOUND LANE, 5' FROM LEFT CURB, AT END BENT 1.



Span 1 Left Bridge Rail: LEFT SIDEWALK IS WEATHERED.



Drainage : 18' X 1' AREA OF WATER PONDING, AT LEFT CURB, BEGINNING AT BENT 1, DECK IS SLOPED TOWARD LEFT SIDE OF BRIDGE WITH NO DRAINS ON LEFT SIDE.



Span 1 Deck: 2' DIAGONAL HAIRLINE CRACK, DECK SURFACE, AT BENT 1, 5' FROM LEFT CURB.



Span 2 Deck: (2) UP TO 5' DIAGONAL HAIRLINE CRACKS, DECK SURFACE, AT BENT 1, 2' FROM LEFT CURB.



Span 2 Left Bridge Rail: 4' X 2' AREA OF SPALL UP TO 2" DEEP, TOP OF LEFT SIDEWALK, AT BENT 1.



Span 2 Left Bridge Rail: 19" X 12" X 1" SPALL, TOP OF LEFT SIDE WALK, 5' FROM BENT 2.



Span 2 Left Bridge Rail: 60' X 5' AREA OF SCALE AND POPOUTS THROUGHOUT TOP OF LEFT CURB.



Span 2 Left Bridge Rail: 1' X 1' X 1/2" AREA OF SPALL, TOP EDGE OF LEFT SIDE WALK, AT BENT 2.



Span 2 Deck: 20' DIAGONAL HAIRLINE CRACK, DECK SURFACE, BEGINNING AT BENT 2, 2' FROM LEFT CURB.



Deck Debris : 1' WIDE X UP TO 2" DEEP OF DECK DEBRIS ALONG BOTH CURBS, ALL SPANS.



Span 1 Deck: (10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 1, BEGINNING AT RIGHT CURB.



Span 2 Deck: (10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 2, BEGINNING AT RIGHT CURB.



Span 2 Right Bridge Rail: 10' OF EXPOSED AGGREGATE ALONG RIGHT CURB AT BENT 1.



Span 2 Right Bridge Rail: 7' OF EXPOSED AGGREGATE ALONG RIGHT CURB AT BENT 2.



Span 3 Deck: TRAFFIC LIGHT INDUCTANCE LOOP IS CUT INTO NORTH BOUND LANE, MIDDLE OF SPAN.



Span 3 Deck: (10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 3, BEGINNING AT RIGHT CURB.



Span 3 Deck: 9' X 5' X 2" THICK LAYER OF ASPHALT, MIDDLE NORTH BOUND LANE, 4' FROM BENT 3.



Span 3 Deck: (5) 2' DIAGONAL HAIRLINE CRACK AT 3' CENTERS, AT BENT 3, BEGINNING 5' FROM LEFT CURB.



Span 4 Deck: 27' X 1' DELAMINATION, DECK SURFACE, SOUTH BOUND LANE, AT BENT 3.



Expansion Joint 4 : 7' LOSS OF ADHESION, SOUTH BOUND LANE, BEGINNING 2' FROM LEFT CURB.



Drainage : WATER PONDING IN RIGHT TRAVEL LANE, SPAN 4.



Span 4 Deck: (10) 3' DIAGONAL HAIRLINE CRACKS AT 3' CENTERS, DECK SURFACE, AT BENT 3, BEGINNING AT RIGHT CURB.



Span 4 Right Bridge Rail: 2' X 1' X 1/2" SPALL, TOP EDGE OF RIGHT CURB, 27' FROM END BENT 2.



Span 4 Right Bridge Rail: 30' OF TEMPORARY REPAIR ALONG EDGE OF RIGHT CURB WITH CHIPPING AT RANDOM THROUGHOUT, AT END BENT 2.



Span 4 Left Bridge Rail: 1' OF MAP CRACKING UP TO 1/32", TOP OF NORTHWEST RAIL END POST.



Drainage System : DECK DRAINS ARE PRESENT UNDERSIDE OF DECK, ALONG LEFT CURB BUT HAVE BEEN COVERED BY DECK PRESERVATION EFFORTS ON TOPSIDE.



Span 1 Beam 1: 1' OF CORROSION WITH RUST SCALE, UNDERSIDE OF BOTTOM FLANGE, AT ABUTMENT 1 BEARING ASSEMBLY.



Span 1 Beam 1: FRECKLED RUST AT RANDOM THROUGHOUT BEAM WEB.



Span 1 Beam 1: 35' OF CORROSION WITH RUST SCALE AT UNDERSIDE OF TOP FLANGE AND THROUGHOUT BOTTOM FLANGE EXTENDING UP TO 10" INTO WEB, BEGINNING AT BENT 1.



Span 1 Beam 1: 10' OF SURFACE PROTECTION HAS BEEN SCRAPED OFF UNDERSIDE OF BOTTOM FLANGE DIRECTLY ABOVE TRAIL.



Span 1 Beam 1: 35' OF CORROSION WITH RUST SCALE AT UNDERSIDE OF TOP FLANGE AND THROUGHOUT BOTTOM FLANGE EXTENDING UP TO 10" INTO WEB, BEGINNING AT BENT 1.



End Bent 1 Cap : 16" X 19" X 5.25" DEEP SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.75" UNDER BEAM 2 BEARING PLATE. (PM)



Substructure : End Bent 1 Abutment/Backwall: 10' OF WATER LEAKAGE, SOUTHWEST END OF ABUTMENT.



Span 1 Beam 2: 10' OF SURFACE PROTECTION HAS BEEN SCRAPED OFF UNDERSIDE OF BOTTOM FLANGE DIRECTLY ABOVE TRAIL.



Span 1 Beam 2: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



End Bent 1 Abutment/Backwall : (11) 9' VERTICAL CRACKS UP TO 1/32", AT AVERAGE 8' CENTERS, NORTH FACE OF ABUTMENT.



End Bent 1 Cap : SOUND TEMPORARY REPAIR BELOW BEAM 3.



Span 1 Beam 3 Near Bearing : CORROSION WITH FRECKLED RUST THROUGHOUT.



End Bent 1 Cap : 29" X 19" X 5.5" DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.5" UNDER BEAM 4 BEARING PLATE. (PM)



Span 1 Beam 4 Near Bearing : CORROSION WITH SURFACE RUST THROUGHOUT.



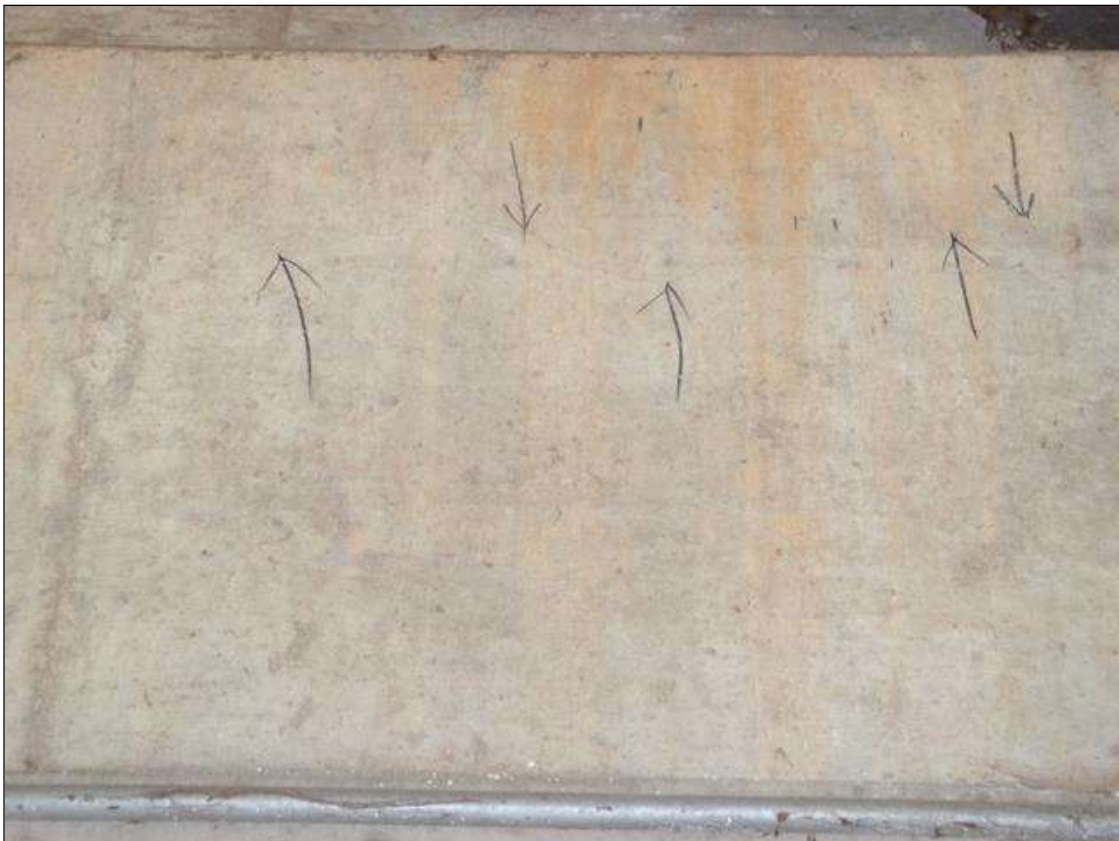
End Bent 1 Cap : 15" X 9" DELAMINATION, NORTH FACE BELOW BEAM 5.



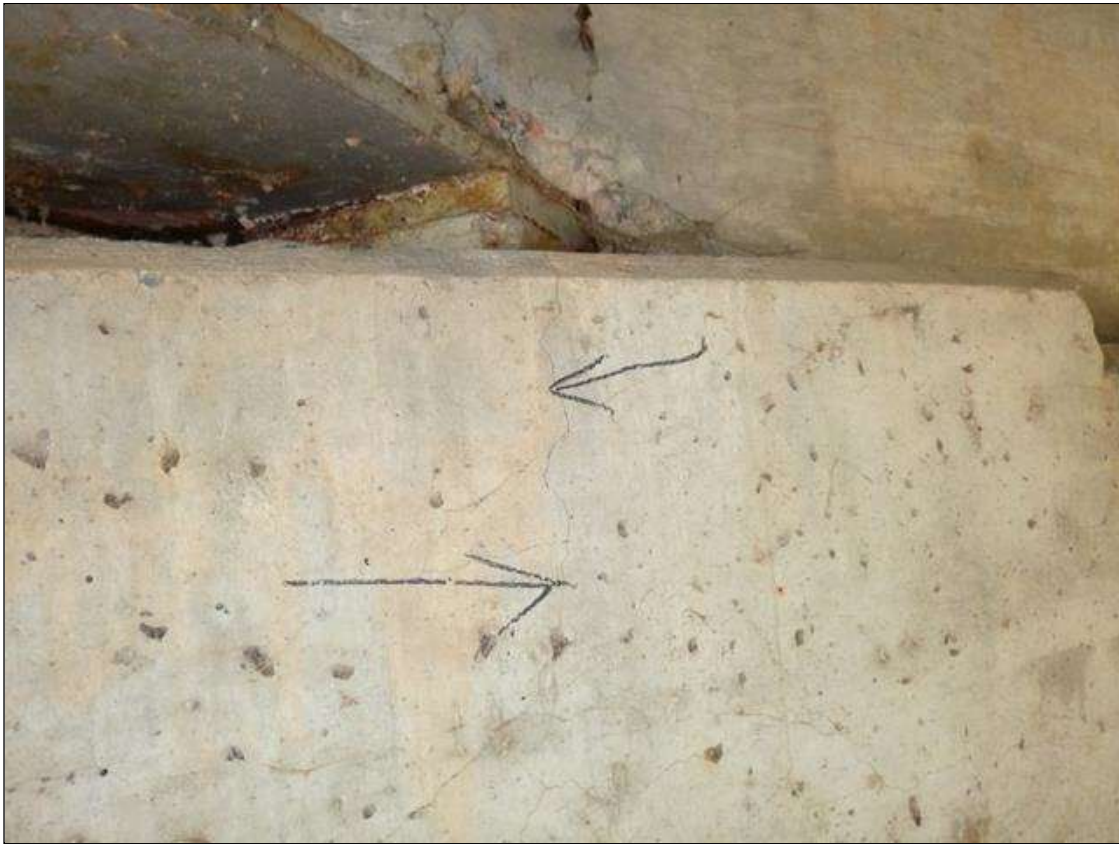
End Bent 1 Cap : 1' VERTICAL HAIRLINE CRACK BEGINNING AT TOP OF CAP, BELOW BEAM 6.



End Bent 1 Cap : 9" VERTICAL HAIRLINE CRACK BEGINNING AT TOP OF CAP, BELOW BEAM 7.



End Bent 1 Cap : 42' OF HAIRLINE MAP CRACKING, NORTH FACE OF CAP, BEGINNING AT BEAM 5.



End Bent 1 Cap : 9" VERTICAL HAIRLINE CRACK BEGINNING AT TOP OF CAP, BELOW BEAM 8.



Span 1 Beam 3: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



Span 1 Beam 4: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



Span 1 Beam 5: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



Span 1 Beam 6: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



Span 1 Beam 7: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



Span 1 Beam 8: FRECKLED RUST AT RANDOM THROUGHOUT UNDERSIDE OF BOTTOM AND TOP FLANGE AND WEB.



Superstructure : SPAN 1 INTERMEDIATE DIAPHRAGMS HAVE SURFACE RUST AT RANDOM THROUGHOUT.



Span 1 Deck: (6) 7' TRANSVERSE CRACKS WITH EFFLORESCENCE AT 7' CENTERS, UNDERSIDE OF DECK, BAYS 1, 2, AND 3, (2) PER BAY, AT ABUTMENT 1.



Superstructure : 4' X 10" X UP TO 8" SPALL WITH EXPOSED REINFORCING UNDERSIDE OF BENT 1 END DIAPHRAGM, SPAN 1, BETWEEN BEAMS 1 AND 2, NEXT TO BEAM 2.



Bent 1 Cap : 6' X 10" X 6" DELAMINATION WITH A 4' CRACK UP TO 1/4", BOTTOM CORNER SOUTH FACE, BELOW BEAM 2.



Span 1 Beam 2: TEMPORARY REPAIR TO BOTTOM FLANGE, WEB AND STIFFENER, AT BENT 1.



Span 1 Beam 3: TEMPORARY REPAIR TO BOTTOM FLANGE, WEB AND STIFFENER, AT BENT 1.



Superstructure : 3' X 10" X UP TO 10" SPALL WITH EXPOSED REINFORCING UNDERSIDE OF BENT 1 END DIAPHRAGM, SPAN 1, BETWEEN BEAMS 2 AND 3, NEXT TO BEAM 3.



Bent 1 Cap : 4' X 10" X 5" DELAMINATION, TOP CORNER OF SOUTH FACE OF CAP, BELOW BEAM 3.



Bent 1 Cap : 9' X UP TO 2' TEMPORARY REPAIR, TOP OF SOUTH FACE, BELOW BAY 3, BEGINNING AT BEAM 3.



Bent 1 Cap : 3' X 16" X 5" CORNER DELAMINATION/SPALL, TOP OF SOUTH FACE, BELOW MIDDLE OF BAY 3.



Span 1 Beam 4: TEMPORARY REPAIR TO EAST BEARING STIFFENER.



Span 1 Beam 5: TEMPORARY REPAIR TO TOP OF BOTTOM FLANGE AND BEARING STIFFENER.



Span 2 Beam 5: 30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. (PM)



Span 2 Beam 5: 30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. (PM)



Bent 1 Cap : 5' X 14" DELAMINATION WITH A 4' HORIZONTAL CRACK UP TO 1/16", TOP CORNER OF SOUTH FACE, BEGINNING AT BEAM 6.



Span 1 Beam 6: 2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. (PM)



Span 1 Beam 6: 2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. (PM)



Span 2 Beam 6: 7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1. (PM)



Span 2 Beam 3: 1' OF CORROSION THROUGHOUT TEMPORARY REPAIR TO BOTTOM FLANGE AND WEB, AT BENT 1.



Span 2 Beam 2: TEMPORARY REPAIR TO BOTTOM FLANGE, WEB AND STIFFENER, AT BENT 1.



Span 2 Beam 6: 7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1. (PM)



Superstructure : 4' X 10" X UP TO 8" SPALL WITH EXPOSED REINFORCING UNDERSIDE OF BENT 1 END DIAPHRAGM, SPAN 1, BETWEEN BEAMS 1 AND 2, NEXT TO BEAM 2.



Bent 1 Cap : 33" X 8" DELAMINATION, MIDDLE OF NORTH FACE BELOW BAY 3.



Bent 1 Cap : 3'-4" X 6" X 3" DELAMINATION WITH A 3' HORIZONTAL CRACK UP TO 1/8", BOTTOM CORNER OF NORTH FACE, BELOW BAY 3 BEGINNING AT BEAM 3.



Bent 1 Cap : 2'-8" X 9" DELAMINATION WITH A 3'-8" HORIZONTAL CRACK UP TO 1/8", TOP SOUTH FACE, BELOW BEAM 8.



Span 1 Beam 8: 1' OF CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE AT BENT 1.



Span 2 Beam 7: 5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE EXTENDING 6" INTO WEB, AT BENT 1. (PM)



Span 2 Beam 7: 5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE EXTENDING 6" INTO WEB, AT BENT 1. (PM)



Span 1 Beam 7: 20" CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1.



Bent 1 Pile 1: 6" X 2" X 2" SPALL, SOUTHWEST CORNER, 6' ABOVE GRADE.



Bent 1 Cap : 3' X 6" X 6" DELAMINATION WITH A 3' HORIZONTAL CRACK UP TO 1/8", BOTTOM CORNER OF NORTH FACE, UNDER BAY 1.



Bent 1 Cap : 6' X 6" X 3" DELAMINATION WITH A 6' HORIZONTAL CRACK UP TO 1/16", NORTH FACE, ABOVE PILE 3.



Bent 1 Cap : 30" HORIZONTAL CRACK UP TO 1/8", 4" BELOW TOP OF CAP, BELOW BEAM 6, NORTH FACE.



Bent 1 Cap : 4' X 8" DELAMINATION, UNDERSIDE OF CAP, BETWEEN COLUMNS 4 AND 5.



Span 2 Beam 1: 10% FRECKLED RUST AT RANDOM THROUGHOUT BEAM WEB.



Span 2 Beam 3: 5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.



Span 2 Beam 4: 5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.



Span 2 Beam 5: 5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.



Span 2 Beam 7: 3' TEMPORARY REPAIR TO BOTTOM FLANGE AT BENT 2.



Bent 2 Cap : 10' HORIZONTAL CRACK UP TO 1/4", UNDERSIDE OF CAP, 4" FROM SOUTH FACE, BETWEEN PILES 4 AND 5.



Bent 2 Cap : 7" X 1" X 1/2 SPALL WITH EXPOSED REINFORCING, BOTTOM OF SOUTH FACE, ABOVE PILE 3.



Bent 2 Cap : 16" X 14" DELAMINATION, SOUTH FACE, BETWEEN PILES 1 AND 2.



Bent 2 Cap : 10" X 20" DELAMINATION, SOUTH FACE, BETWEEN PILES 1 AND 2.



Bent 2 Cap : 6" DIAMETER DELAMINATION, SOUTH FACE, BELOW BEAM 2.



Bent 2 Pile 1: 3' OF SCALE EXPOSING COARSE AGGREGATE AT WATER SURFACE.



Span 3 Beam 1: 5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING. (PM)



Span 3 Beam 1: 5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING. (PM)



Span 2 Beam 5: 5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING. (PM)



Span 2 Beam 5: 5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING. (PM)



Span 3 Beam 1: TEMPORARY REPAIR TO BOTTOM FLANGE AT BENT 2.



Span 2 Beam 2: TEMPORARY REPAIR TO WEB, BOTTOM FLANGE, AND BEARING STIFFENER AT BENT 2.



Span 3 Beam 2: TEMPORARY REPAIR TO WEB, BOTTOM FLANGE, BEARING STIFFENER, AND NEW BEARING ASSEMBLY AT BENT 2.



Superstructure : CONTRACTOR SCAFFOLD LOCATED 6FT NORTH OF BENT 2, HANGING FROM BEAMS 1 AND 3.



Span 2 Beam 4: 18" OF CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE, EXTENDING 35" INTO WEB, AT BENT 2.



Scour : 8' DIAMETER SCOUR HOLE UP TO 20" DEEP AROUND BENT 2 COLUMN 4.



Span 2 Beam 6: 4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE WITH PITTING IN WEB 8" FROM BEARING, AT BENT 2. (PM)



Span 2 Beam 6: 4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE WITH PITTING IN WEB 8" FROM BEARING, AT BENT 2. (PM)



Bent 2 Cap : 26" HORIZONTAL CRACK UP TO 1/16", 5" BELOW TOP NORTH FACE OF CAP, BELOW BEAM 6.



Bent 2 Cap : 32" HORIZONTAL CRACK UP TO 1/16" BOTTOM CORNER OF NORTH FACE, BELOW BEAM 7.



Span 2 Beam 7: TEMPORARY REPAIR TO BOTTOM FLANGE, WEB, BEARING STIFFENER, AND NEW BEARING ASSEMBLY AT BENT 2.



Bent 2 Cap : 6' X 1' DELAMINATION, UNDERSIDE OF CAP, BETWEEN COLUMNS 4 AND 5.



Bent 2 Cap : 6' X 1' DELAMINATION, UNDERSIDE OF CAP , BETWEEN COLUMNS 4 AND 5.



Span 2 Beam 8: 20" OF CORROSION WITH SECTION LOSS, 9/16" REMAINING AT 1' FROM BEARING, AT BENT 2. (PM)



Span 2 Beam 8: 20" OF CORROSION WITH SECTION LOSS, 9/16" REMAINING AT 1' FROM BEARING, AT BENT 2. (PM)



Superstructure : 3' X 10" X 8" SPALL WITH EXPOSED REINFORCING, SPAN 2 CONCRETE END DIAPHRAGM, BAY 7, NEXT TO BEAM 8, AT BENT 2.



Span 3 Beam 1: 5% OF SURFACE AREA HAS CORROSION WITH RUST SCALE ALONG UNDERSIDE OF TOP AND BOTTOM FLANGES.



Span 3 Beam 2: TEMPORARY REPAIR TO WEB, BOTTOM FLANGE, BEARING STIFFENER, AND NEW BEARING ASSEMBLY AT BENT 3.



Bent 3 Cap : 4' HORIZONTAL CRACK WITH EFFLORESCENCE, SOUTH FACE, BELOW BEAM 2.



Bent 3 Cap : 3.5' X 8" X 6" TEMPORARY REPAIR, BOTTOM CORNER OF SOUTH FACE, BELOW BEAM 2.



Span 4 Beam 2: TEMPORARY REPAIR TO BOTTOM FLANGE, WEB, BEARING STIFFENER, AND BEARING ASSEMBLY AT BENT 3.



Bent 3 Cap : 72" X 5" X 4" SPALL WITH EXPOSED REINFORCING, TOP CORNER OF NORTH FACE, BELOW BEAM 2.



Bent 3 Cap : 4' X 8" TEMPORARY REPAIR, TOP CORNER OF NORTH FACE, ABOVE COLUMN 2.



Bent 3 Cap : 32" X 15" OF TEMPORARY REPAIR IS DELAMINATED WITH RUST SCALE, NORTH FACE, ABOVE COLUMN 2.



Bent 3 Cap : 48" X 15" X 4" DELAMINATION/SPALL WITH EXPOSED MAIN REINFORCING, BOTTOM CORNER OF NORTH FACE, ABOVE COLUMN 4. (PM)



Bent 3 Cap : 24" HORIZONTAL CRACK UP TO 1/16", UNDERSIDE OF CAP, 3' FROM COLUMN 4, BETWEEN COLUMNS 4 AND 5.



Span 4 Beam 6: 5' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE, 16" FROM BENT 3 BEARING. (PM)



Span 4 Beam 8: 10' OF CORROSION WITH RUST SCALE ALONG BOTTOM FLANGE, EXTENDING 35" INTO WEB, AT BENT 3.



Superstructure : 3' X 10" X 10" SPALL WITH EXPOSED REINFORCING, SPAN 4 CONCRETE END DIAPHRAGM, BETWEEN BEAMS 6 AND 7, AT BENT 3.



End Bent 2 Cap : 60" X 9" X 1" DELAMINATION/SPALL, SOUTH FACE, BETWEEN BEAMS 1 AND 2.



End Bent 2 Cap : 19" X 11" DELAMINATION, SOUTH FACE, BELOW BEAM 1.



Utilities : BROKEN UTILITY CONDUIT, RIGHT OVERHANG, SPAN 4.



SOUTH APPROACH, LOOKING NORTH



LOOKING NORTH



WEST BRIDGE RAIL



EAST BRIDGE RAIL



BRIDGE POSTING



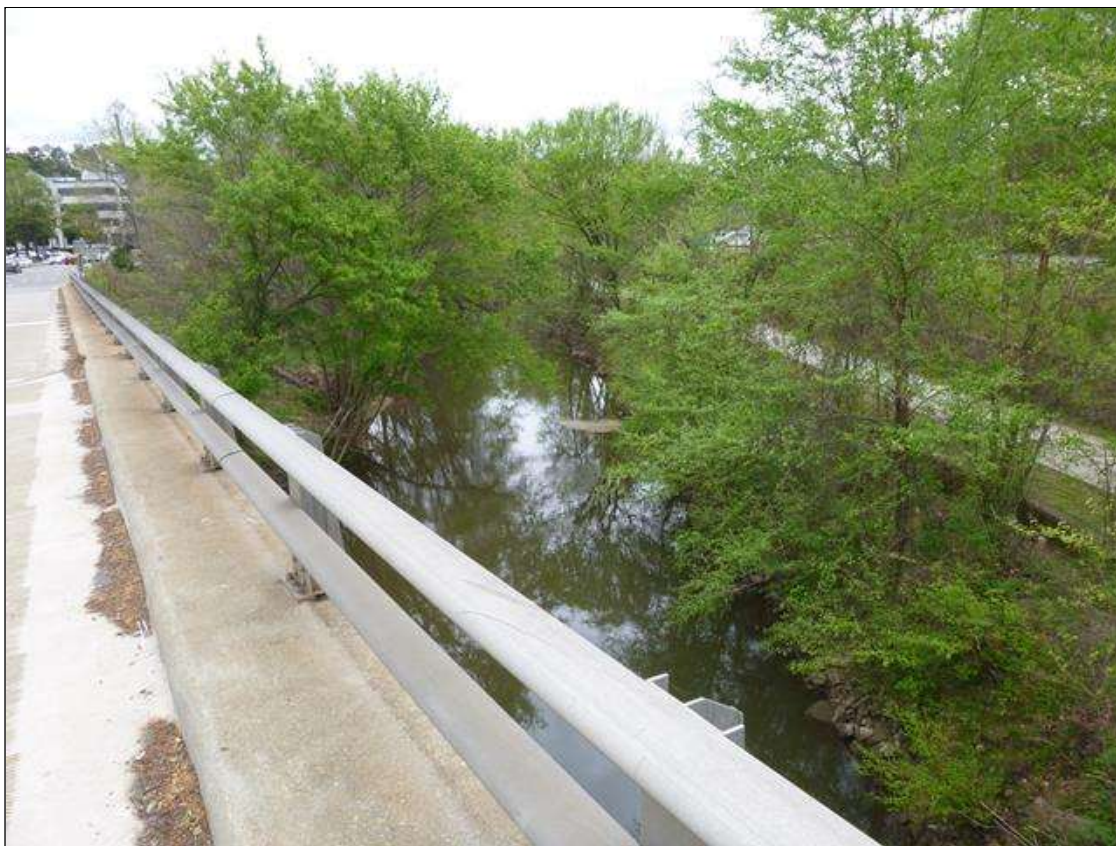
CONCRETE BRIDGE DECK, SPAN 1, LOOKING WEST



JOINT OVER END BENT 1, LOOKING WEST



JOINT OVER BENT 1, LOOKING WEST



DOWNSTREAM VIEW FROM BRIDGE DECK, LOOKING EAST



JOINT OVER BENT 2, LOOKING WEST



DRAINAGE IN SPAN 3 AND 4 AT RIGHT CURB AT 4' CENTERS



JOINT OVER BENT 3, LOOKING WEST



JOINT OVER END BENT 2, LOOKING WEST



NORTH APPROACH, LOOKING SOUTH



NORTHWEST CORNER BRIDGE POSTING



NORTHWEST WINGWALL



UPSTREAM VIEW FROM BRIDGE DECK, LOOKING WEST



SOUTHWEST WINGWALL



ABUTMENT 1 ELEVATION, LOOKING SOUTH



BENT 1 ELEVATION, LOOKING NORTH



SOUTHEAST WINGWALL



INTERMEDIATE DIAPHRAGM, SPAN 1, BETWEEN BEAM 3 AND 4, LOOKING NORTH



END DIAPHRAGM, BENT 1, BETWEEN BEAMS 3 AND 4, LOOKING NORTH



SUPERSTRUCTURE UNDERSIDE, SPAN 1, LOOKING SOUTH



BENT 2 ELEVATION, LOOKING NORTH



(2) 4" DIAMETER UTILITIES, LEFT OVERHANG, LOOKING NORTH



BEARING ASSEMBLY, ABUTMENT 1, BEAM 1, LOOKING SOUTH



LIGHTING UTILITIES ON ABUTMENT 1 CAP.



BEARING ASSEMBLY OVER BENT 1, BEAM 1, LOOKING WEST



BENT 3 ELEVATION, LOOKING NORTH



END BENT 2 SLOPE PROTECTION, LOOKING NORTH



END BENT 2 ELEVATION, LOOKING NORTH



DOWNSTREAM PROFILE, LOOKING WEST



UPSTREAM PROFILE, LOOKING EAST

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

Run Date: 11/28/2016

| IDENTIFICATION                             |                              |                       |                |                                        |                             |                       |            |
|--------------------------------------------|------------------------------|-----------------------|----------------|----------------------------------------|-----------------------------|-----------------------|------------|
| (1) STATE NAME -NORTH CAROLINA             | BRIDGE                       | 910494                |                | SUFFICIENCY RATING =                   |                             | 80.28                 |            |
| (8) STRUCTURE NUMBER(FEDERAL)              |                              | 000000001830494       |                | STATUS =                               | Not Deficient               |                       |            |
| (5) INVENTORY ROUTE (ON/UNDER) - ON        |                              | 31016700              |                |                                        |                             |                       |            |
| (2) STATE HIGHWAY DEPARTMENT DISTRICT      |                              | 1                     |                |                                        |                             |                       |            |
| (3) COUNTY CODE                            | 183                          | (4) PLACE CODE        | 55000          |                                        |                             |                       |            |
| (6) FEATURE INTERSECTED -                  | CRABTREE CREEK               |                       |                |                                        |                             |                       |            |
| (7) FACILITY CARRIED                       | SR1670                       |                       |                |                                        |                             |                       |            |
| (9) LOCATION                               | 0.1 MI.N. OF JCT.SR1760      |                       |                |                                        |                             |                       |            |
| (11)MILEPOINT                              |                              | 0                     |                |                                        |                             |                       |            |
| (16)LAT                                    | 35° 50' 12.22"               | (17)LONG              | 78° 40' 29.60" |                                        |                             |                       |            |
| (98)BORDER BRIDGE STATE CODE               |                              | PCT SHARE             |                |                                        |                             |                       |            |
| (99)BORDER BRIDGE STRUCTURE NO             |                              |                       |                |                                        |                             |                       |            |
| STRUCTURE TYPE AND MATERIAL                |                              |                       |                | CLASSIFICATION                         |                             |                       |            |
| (43) STRUCTURE TYPE MAIN:                  | Steel                        |                       |                | (112)NBIS BRIDGE SYSTEM -              |                             | YES                   |            |
| TYPE -                                     | Stringer Mutlibeam or Girder | CODE                  | 302            | (104)HIGHWAY SYSTEM                    | Is not on NHS               | 0                     |            |
| (44) STRUCTURE TYPE APPR :                 |                              |                       |                | (26) FUNCTIONAL CLASS -                | Collector                   | 17                    |            |
| TYPE -                                     |                              | CODE                  | 000            | (100)STRAHNET HIGHWAY -                | Not a STRAHNET Route        | 0                     |            |
| (45) NUMBER OF SPANS IN MAIN UNIT          |                              | 4                     |                | (101)PARALLEL STRUCTURE -              | No Parallel Structure       | N                     |            |
| (46) NUMBER OF APPROACH SPANS              |                              |                       |                | (102)DIRECTION OF TRAFFIC -            | 2-way Traffic               | 2                     |            |
| (107)DECK STRUCTURE TYPE -                 | 1                            | CODE                  |                | (103)TEMPORARY STRUCTURE -             |                             |                       |            |
| (108)WEARING SURFACE / PROTECTIVE SYSTEM : |                              |                       |                | (110)DESIGNATED NATIONAL NETWORK -     | Not on the National Network | 0                     |            |
| (A) TYPE OF WEARING SURFACE -              |                              | CODE                  |                | (20) TOLL                              | On Free Road                | 3                     |            |
| (B) TYPE OF MEMBRANE                       | -                            | CODE                  |                | (31) MAINTAIN -                        | State Highway Agency        | 01                    |            |
| (C) TYPE OF DECK PROTECTION -              |                              | CODE                  |                | (22) OWNER -                           | State Highway Agency        | 01                    |            |
|                                            |                              |                       |                | (37) HISTORICAL SIGNIFICANCE -         | Not Eligible                | 5                     |            |
| AGE AND SERVICE                            |                              |                       |                | CONDITION                              |                             |                       |            |
| (27) YEAR BUILT                            |                              | 1967                  |                | (58) DECK                              |                             | 7                     |            |
| (106)YEAR RECONSTRUCTED                    |                              |                       |                | (59) SUPERSTRUCTURE                    |                             | 5                     |            |
| (42) TYPE OF SERVICE : ON -                | Highway - Pedestrian         |                       |                | (60) SUBSTRUCTURE                      |                             | 5                     |            |
| UNDER - Waterway                           |                              | CODE                  | 55             | (61) CHANNEL & CHANNEL PROTECTION      |                             | 6                     |            |
| (28) LANES: ON STRUCTURE                   | 2 UNDER STRUCTURE            | 0                     |                | (62) CULVERTS                          |                             | N                     |            |
| (29) AVERAGE DAILY TRAFFIC                 |                              | 18000                 |                |                                        |                             |                       |            |
| (30) YEAR OF ADT                           | 2013                         | (109) TRUCK ADT PCT   | 7%             |                                        |                             |                       |            |
| (19) BYPASS OR DETOUR LENGTH               |                              | 1 MI                  |                |                                        |                             |                       |            |
| GEOMETRIC DATA                             |                              |                       |                | LOAD RATING AND POSTING                |                             |                       |            |
| (48) LENGTH OF MAXIMUM SPAN                |                              | 61 FT                 |                | (31) DESIGN LOAD                       | HS 15                       | 3                     |            |
| (49) STRUCTURE LENGTH                      |                              | 250 FT                |                | (63) OPERATING RATING METHOD -         | Load Factor                 | 1                     |            |
| (50)CURB OR SIDEWALK: LEFT                 | 5 FT RIGHT                   | 1.583 FT              |                | (64) OPERATING RATING -                | HS-28                       | 51                    |            |
| (51) BRIDGE ROADWAY WIDTH CURB TO CURB     |                              | 48.5 FT               |                | (65) INVENTORY RATING METHOD -         | Load Factor                 | 1                     |            |
| (52) DECK WIDTH OUT TO OUT                 |                              | 57.583 FT             |                | (66) INVENTORY RATING -                | HS-17                       | 30                    |            |
| (32) APPROACH ROADWAY WIDTH (W/SHOULDERS)  |                              | 23 FT                 |                | (70) BRIDGE POSTING -                  | No Posting Required         | 5                     |            |
| (33) BRIDGE MEDIAN -                       | No Median                    | CODE                  | 0              | (41) STRUCTURE OPEN, POSTED ,OR CLOSED |                             | P                     |            |
| (34) SKEW                                  | 55°                          | (35) STRUCTURE FLARED | 0              | DESCRIPTION -                          | Posted for Load             |                       |            |
| (10) INVENTORY ROUTE MIN VERT CLEAR        |                              | 999.9 FT              |                |                                        |                             |                       |            |
| (47) INVENTORY ROUTE TOTAL HORIZ CLEAR     |                              | 48.5 FT               |                |                                        |                             |                       |            |
| (53) MIN VERT CLEAR OVER BRIDGE RDWY       |                              | 999.9 FT              |                |                                        |                             |                       |            |
| (54) MIN VERT UNDERCLEAR REF               | Not a Highway or Railroad    | 0 FT                  |                |                                        |                             |                       |            |
| (55) MIN LAT UNDERCLEAR RT REF             | Not a Highway or Railroad    | 000 FT                |                |                                        |                             |                       |            |
| (56) MIN LAT UNDERCLEAR LT REF -           |                              | 000 FT                |                |                                        |                             |                       |            |
| NAVIGATION DATA                            |                              |                       |                | APPRAISAL                              |                             |                       |            |
| (38) NAVIGATION CONTROL -                  | No Navigational Control      | CODE                  | 0              | (67) STRUCTURAL EVALUATION             |                             | 5                     |            |
| (111)PIER PROTECTION -                     |                              | CODE                  |                | (68) DECK GEOMETRY                     |                             | 9                     |            |
| (39) NAVIGATION VERTICAL CLEARANCE         |                              | 0                     |                | (69) UNDERCLEARANCES,VERTI & HORIZ     |                             | N                     |            |
| (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR |                              | FT                    |                | (71) WATERWAY ADEQUACY                 |                             | 7                     |            |
| (40) NAVIGATION HORIZONTAL CLEARANCE       |                              | 0 FT                  |                | (72) APPROACH ROADWAY ALIGNMENT        |                             | 8                     |            |
|                                            |                              |                       |                | (36) TRAFFIC SAFETY FEATURES           |                             | 0000                  |            |
|                                            |                              |                       |                | (113)SCOUR CRITICAL BRIDGES            |                             | 5                     |            |
|                                            |                              |                       |                | 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                        | 36000                       | (115) YEAR FUTURE ADT | 2025       |
|                                            |                              |                       |                | INSPECTIONS                            |                             |                       |            |
|                                            |                              |                       |                | (90) INSPECTION DATE                   |                             | 04/07/2016            |            |
|                                            |                              |                       |                | (92) CRITICAL FEATURE INSPECTION :     |                             | (93) CFI DATE         |            |
|                                            |                              |                       |                | A) FRACTURE CRIT DETAIL -              | NO                          | A)                    |            |
|                                            |                              |                       |                | B) UNDERWATER INSP -                   | YES 48Mo                    | B)                    | 09/09/2013 |
|                                            |                              |                       |                | C) OTHER SPECIAL INSP                  | NO                          | C)                    |            |
|                                            |                              |                       |                | SCOUR                                  |                             |                       |            |

## BRIDGE MANAGEMENT UNIT

## DATA ON EXISTING STRUCTURE

Run Date: 11/28/2016

|          |            |            |                    |          |
|----------|------------|------------|--------------------|----------|
| COUNTY : | DIVISION : | DISTRICT : | STRUCTURE NUMBER : | LENGTH : |
| WAKE     | 5          | 1          | 910494             | 250 FEET |

|                 |                       |
|-----------------|-----------------------|
| ROUTE CARRIED : | FEATURE INTERSECTED : |
| SR1670          | CRABTREE CREEK        |

|                         |               |         |
|-------------------------|---------------|---------|
| LOCATED :               | BRIDGE NAME : | CITY :  |
| 0.1 MI.N. OF JCT.SR1760 |               | RALEIGH |

|               |           |              |            |               |
|---------------|-----------|--------------|------------|---------------|
| FUNC. CLASS : | SYST.ON : | SYST.UNDER : | ADT & YR : | RAIL TYPE :   |
| 17            | FA        | NFA          | 18000 2013 | LT 109 RT 109 |

|         |      |          |                |               |
|---------|------|----------|----------------|---------------|
| BUILT : | BY : | PROJ :   | FED.AID PROJ : | DESIGN LOAD : |
| 1967    | SHC  | 6.801158 |                | HS 15         |

|         |      |        |             |        |              |
|---------|------|--------|-------------|--------|--------------|
| REHAB : | BY : | PROJ : | ALIGNMENT : | SKEW : | LANES :      |
|         |      |        | LT.         | 35     | ON 2 UNDER 0 |

|                       |                   |               |
|-----------------------|-------------------|---------------|
| NAVIGATION :          | HT. CRN. TO BED : | WATER DEPTH : |
| VC 0 FT HC 0 FT 27 FT |                   | 4 FT          |

SUPERSTRUCTURE : RC FLOOR/I-BEAMS

SUBSTRUCTURE : ABUT.1:RC FULL HT;IBTS:RCP&amp;B;EBT.2:RCCAP/H-PILES.

SPANS : 4@62'6

BEAMS OR GIRDERS : 8 LINES 36IN. I-BEAMS @ VAR. CTS.

|                                              |                |                     |
|----------------------------------------------|----------------|---------------------|
| FLOOR :                                      | ENCROACHMENT : | DECK (OUT TO OUT) : |
| 7.3125"<br>RC/LATEX<br>MOD. CONC.<br>OVERLAY |                | 57.583 FT           |

|                 |                 |                     |
|-----------------|-----------------|---------------------|
| CLEAR ROADWAY : | BETWEEN RAILS : | SIDEWALK OR CURB :  |
| 48.5 FT         | 55.083 FT       | LT 5 FT RT 1.583 FT |

VERT.CL.OVER :  
999.9 FT

|            |            |                |          |      |            |
|------------|------------|----------------|----------|------|------------|
| INV.RTG. : | OPE.RTG. : | CONTR.MEMBER : | POSTED : | TTST | DATE       |
| HS-17      | HS-28      | Ext Bm<br>SpC  | SV 41    | 41   | 05/08/2012 |

|                      |                    |
|----------------------|--------------------|
| SYSTEM :             | GREEN LINE ROUTE : |
| Secondary S.R. Route | N                  |

UNDER ROUTES AND CLEARANCES

REMARKS :

# BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 910494

County WAKE

Date:

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

| MMS Code                                                                                 | Description of Function                   | Unit | Quantity | Remarks                                                                                                                                    | Est. Cost |
|------------------------------------------------------------------------------------------|-------------------------------------------|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  3314   | Maintain Steel Superstructure Components  | LF   | 5        | SPAN 2 BEAM 5: 5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING.                              |           |
|  3314   | Maintain Steel Superstructure Components  | LF   | 4        | SPAN 2 BEAM 6: 4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE WITH PITTING IN WEB, 8" FROM BEARING, AT BENT 2.      |           |
|  3314   | Maintain Steel Superstructure Components  | LF   | 8        | SPAN 2 BEAM 6: 7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1.           |           |
|  3314   | Maintain Steel Superstructure Components  | LF   | 3        | SPAN 2 BEAM 5: 30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1.                                         |           |
|  3314   | Maintain Steel Superstructure Components  | LF   | 5        | SPAN 2 BEAM 7: 5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE EXTENDING 6" INTO WEB, AT BENT 1.                    |           |
|  3314 | Maintain Steel Superstructure Components  | LF   | 2        | SPAN 1 BEAM 6: 2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1.                                         |           |
|  3314 | Maintain Steel Superstructure Components  | LF   | 5        | SPAN 3 BEAM 1: 5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING.                           |           |
|  3314 | Maintain Steel Superstructure Components  | LF   | 5        | SPAN 4 BEAM 6: 5' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE, 16" FROM BENT 3 BEARING.                             |           |
|  3348 | Maintain Concrete Substructure Components | LF   | 2        | END BENT 1 CAP : 16" X 19" X 5.25" DEEP SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.75" UNDER BEAM 2 BEARING PLATE.            |           |
|  3348 | Maintain Concrete Substructure Components | LF   | 3        | END BENT 1 CAP : 29" X 19" X 5.5" DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.5" UNDER BEAM 4 BEARING PLATE. |           |

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

Date:

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

| MMS Code                                                                               | Description of Function                   | Unit | Quantity | Remarks                                                                                                                    | Est. Cost |
|----------------------------------------------------------------------------------------|-------------------------------------------|------|----------|----------------------------------------------------------------------------------------------------------------------------|-----------|
|  3348 | Maintain Concrete Substructure Components | LF   | 4        | BENT 3 CAP : 48" X 15" X 4" DELAMINATION/SPALL WITH EXPOSED MAIN REINFORCING, BOTTOM CORNER OF NORTH FACE, ABOVE COLUMN 4. |           |

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

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

| MMS Code                                                                                                      | MMS Description                                   | Quantity         |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                                          | Maintain Steel Superstructure Components          | 5 LF             |
| Location:                                                                                                     |                                                   |                  |
| Beams and Girders                                                                                             | Bent/Span No. 2                                   | STEEL W FLANGE   |
| Priority Level                                                                                                | Status                                            |                  |
| Priority Maintenance                                                                                          | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                               | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                                    | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                                       |                                                   |                  |
| SPAN 2 BEAM 5: 5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING. |                                                   |                  |

| MMS Code                                                                                                                              | MMS Description                                   | Quantity         |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                                                                  | Maintain Steel Superstructure Components          | 4 LF             |
| Location:                                                                                                                             |                                                   |                  |
| Beams and Girders                                                                                                                     | Bent/Span No. 2                                   | STEEL W FLANGE   |
| Priority Level                                                                                                                        | Status                                            |                  |
| Priority Maintenance                                                                                                                  | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                                                       | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                                                            | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                                                               |                                                   |                  |
| SPAN 2 BEAM 6: 4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE WITH PITTING IN WEB, 8" FROM BEARING, AT BENT 2. |                                                   |                  |

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

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

| MMS Code                                                                                                                         | MMS Description                                   | Quantity         |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                                                             | Maintain Steel Superstructure Components          | 8 LF             |
| Location:                                                                                                                        |                                                   |                  |
| Beams and Girders                                                                                                                | Bent/Span No. 2                                   | STEEL W FLANGE   |
| Priority Level                                                                                                                   | Status                                            |                  |
| Priority Maintenance                                                                                                             | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                                                  | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                                                       | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                                                          |                                                   |                  |
| SPAN 2 BEAM 6: 7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1. |                                                   |                  |

| MMS Code                                                                                           | MMS Description                                   | Quantity         |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                               | Maintain Steel Superstructure Components          | 3 LF             |
| Location:                                                                                          |                                                   |                  |
| Beams and Girders                                                                                  | Bent/Span No. 2                                   | STEEL W FLANGE   |
| Priority Level                                                                                     | Status                                            |                  |
| Priority Maintenance                                                                               | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                    | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                         | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                            |                                                   |                  |
| SPAN 2 BEAM 5: 30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. |                                                   |                  |

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

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

| MMS Code                                                                                                                | MMS Description                                   | Quantity         |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                                                    | Maintain Steel Superstructure Components          | 5 LF             |
| Location:                                                                                                               |                                                   |                  |
| Beams and Girders                                                                                                       | Bent/Span No. 2                                   | STEEL W FLANGE   |
| Priority Level                                                                                                          | Status                                            |                  |
| Priority Maintenance                                                                                                    | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                                         | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                                              | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                                                 |                                                   |                  |
| SPAN 2 BEAM 7: 5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE EXTENDING 6" INTO WEB, AT BENT 1. |                                                   |                  |

| MMS Code                                                                                           | MMS Description                                   | Quantity         |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                               | Maintain Steel Superstructure Components          | 2 LF             |
| Location:                                                                                          |                                                   |                  |
| Beams and Girders                                                                                  | Bent/Span No. 1                                   | STEEL W FLANGE   |
| Priority Level                                                                                     | Status                                            |                  |
| Priority Maintenance                                                                               | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                    | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                         | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                            |                                                   |                  |
| SPAN 1 BEAM 6: 2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1. |                                                   |                  |

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

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

| MMS Code                                                                                                         | MMS Description                                   | Quantity         |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                                             | Maintain Steel Superstructure Components          | 5 LF             |
| Location:                                                                                                        |                                                   |                  |
| Beams and Girders                                                                                                | Bent/Span No. 3                                   | STEEL W FLANGE   |
| Priority Level                                                                                                   | Status                                            |                  |
| Priority Maintenance                                                                                             | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                                  | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                                       | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                                          |                                                   |                  |
| SPAN 3 BEAM 1: 5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING. |                                                   |                  |

| MMS Code                                                                                                       | MMS Description                                   | Quantity         |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------|
| 3314                                                                                                           | Maintain Steel Superstructure Components          | 5 LF             |
| Location:                                                                                                      |                                                   |                  |
| Beams and Girders                                                                                              | Bent/Span No. 4                                   | STEEL W FLANGE   |
| Priority Level                                                                                                 | Status                                            |                  |
| Priority Maintenance                                                                                           | Division Bridge Maintenance Notification Received |                  |
| Submitted Date:                                                                                                | Submitted By:                                     | Assisted By:     |
| 04/12/2016                                                                                                     | T. GLENN ZEBLO                                    | MICHAEL R. MEYER |
| Details                                                                                                        |                                                   |                  |
| SPAN 4 BEAM 6: 5' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE, 16" FROM BENT 3 BEARING. |                                                   |                  |

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

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

| MMS Code                                                                                                                        | MMS Description                                   | Quantity                |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|
| 3348                                                                                                                            | Maintain Concrete Substructure Components         | 2 LF                    |
| Location:                                                                                                                       |                                                   |                         |
| Pier Approach Cap                                                                                                               | Bent/Span No. 1                                   | REINFORCED CONCRETE CAP |
| Priority Level                                                                                                                  | Status                                            |                         |
| Priority Maintenance                                                                                                            | Division Bridge Maintenance Notification Received |                         |
| Submitted Date:                                                                                                                 | Submitted By:                                     | Assisted By:            |
| 04/12/2016                                                                                                                      | T. GLENN ZEBLO                                    | MICHAEL R. MEYER        |
| Details                                                                                                                         |                                                   |                         |
| END BENT 1 CAP : 16" X 19" X 5.25" DEEP SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.75" UNDER BEAM 2 BEARING PLATE. |                                                   |                         |

| MMS Code                                                                                                                                   | MMS Description                                   | Quantity                |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|
| 3348                                                                                                                                       | Maintain Concrete Substructure Components         | 3 LF                    |
| Location:                                                                                                                                  |                                                   |                         |
| Pier Approach Cap                                                                                                                          | Bent/Span No. 1                                   | REINFORCED CONCRETE CAP |
| Priority Level                                                                                                                             | Status                                            |                         |
| Priority Maintenance                                                                                                                       | Division Bridge Maintenance Notification Received |                         |
| Submitted Date:                                                                                                                            | Submitted By:                                     | Assisted By:            |
| 04/12/2016                                                                                                                                 | T. GLENN ZEBLO                                    | MICHAEL R. MEYER        |
| Details                                                                                                                                    |                                                   |                         |
| END BENT 1 CAP : 29" X 19" X 5.5" DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.5" UNDER BEAM 4 BEARING PLATE. |                                                   |                         |

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 910494

County WAKE

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

| MMS Code                                                                                                                   | MMS Description                                   | Quantity                |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|
| 3348                                                                                                                       | Maintain Concrete Substructure Components         | 4 LF                    |
| Location:                                                                                                                  |                                                   |                         |
| Pier Cap                                                                                                                   | Bent/Span No. 3                                   | REINFORCED CONCRETE CAP |
| Priority Level                                                                                                             | Status                                            |                         |
| Priority Maintenance                                                                                                       | Division Bridge Maintenance Notification Received |                         |
| Submitted Date:                                                                                                            | Submitted By:                                     | Assisted By:            |
| 04/12/2016                                                                                                                 | T. GLENN ZEBLO                                    | MICHAEL R. MEYER        |
| Details                                                                                                                    |                                                   |                         |
| BENT 3 CAP : 48" X 15" X 4" DELAMINATION/SPALL WITH EXPOSED MAIN REINFORCING, BOTTOM CORNER OF NORTH FACE, ABOVE COLUMN 4. |                                                   |                         |



END BENT 1 CAP : 16" X 19" X 5.25" DEEP SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.75" UNDER BEAM 2 BEARING PLATE.



END BENT 1 CAP : 29" X 19" X 5.5" DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, NORTH FACE, EXTENDING 3.5" UNDER BEM 4 BEARING PLATE.



SPAN 2 BEAM 5: 30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1.



SPAN 2 BEAM 5: 30" OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1.



SPAN 1 BEAM 6: 2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1.



SPAN 1 BEAM 6: 2' OF CORROSION WITH SECTION LOSS, 11/16" REMAINING ALONG BOTTOM FLANGE, AT BENT 1.



SPAN 2 BEAM 6: 7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1.



SPAN 2 BEAM 6: 7.5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, EXTENDING UP TO 12" INTO WEB, AT BENT 1.



SPAN 2 BEAM 7: 5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE  
EXTENDING 6" INTO WEB, AT BENT 1.



SPAN 2 BEAM 7: 5' OF CORROSION WITH SECTION LOSS, 5/8" REMAINING, ALONG BOTTOM FLANGE  
EXTENDING 6" INTO WEB, AT BENT 1.



SPAN 3 BEAM 1: 5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING.



SPAN 3 BEAM 1: 5' OF CORROSION WITH SECTION LOSS, 7/16" REMAINING ALONG BOTTOM FLANGE, 4.5' FROM BENT 2 BEARING.



SPAN 2 BEAM 6: 4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE WITH PITTING IN WEB, 8" FROM BEARING, AT BENT 2.



SPAN 2 BEAM 6: 4' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE WITH PITTING IN WEB, 8" FROM BEARING, AT BENT 2.



BENT 3 CAP : 48" X 15" X 4" DELAMINATION/SPALL WITH EXPOSED MAIN REINFORCING, BOTTOM CORNER OF NORTH FACE, ABOVE COLUMN 4.



SPAN 4 BEAM 6: 5' OF CORROSION WITH SECTION LOSS, 1/2" REMAINING ALONG BOTTOM FLANGE, 16" FROM BENT 3 BEARING.



SPAN 2 BEAM 5: 5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING.

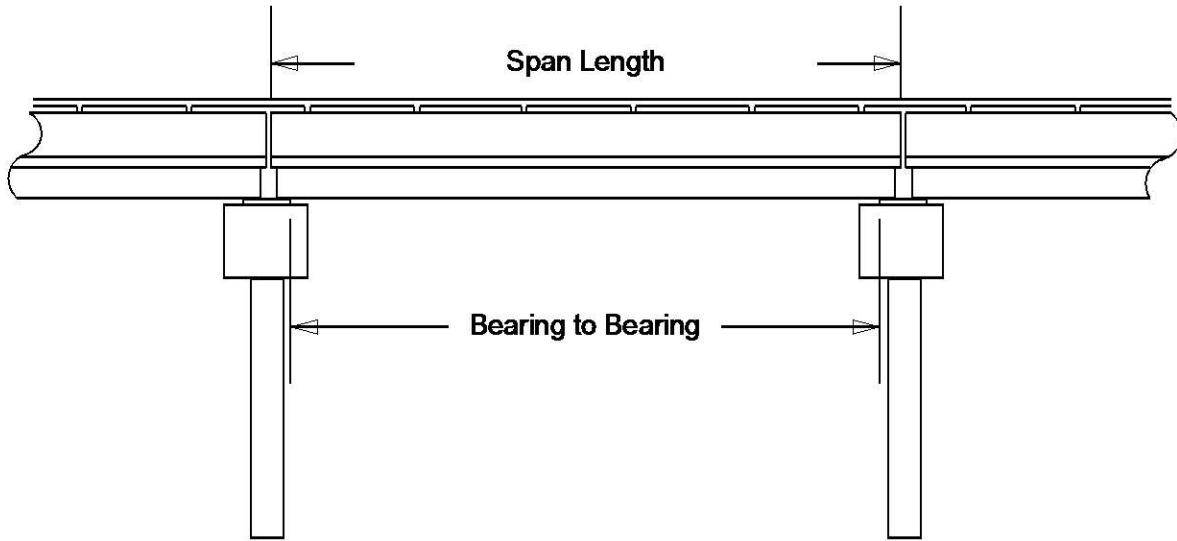


SPAN 2 BEAM 5: 5' OF CORROSION WITH SECTION LOSS, 3/8" REMAINING ALONG BOTTOM FLANGE, 1' FROM BENT 2 BEARING.

# Structure Data Worksheet

Spans

County: WAKE      Structure No: 910494      Date: \_\_\_\_\_      Inspected By: TGZ



| Span No | Span Length | Bearing to Bearing | Comments              |
|---------|-------------|--------------------|-----------------------|
| 1       | 62.5        | 60.75              | NBIS LENGTH = 243'-7" |
| 2       | 62.5        | 61.33              |                       |
| 3       | 62.5        | 61.33              |                       |
| 4       | 62.5        | 60.33              |                       |

# Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 910494 County: WAKE Date: \_\_\_\_\_ By: TGZ

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

Distance from Highwater Mark to top of rail: 8 Location of Highwater Mark: DRIFT AT END BENT 2

| DOWNSTREAM                 |                  |                                 | UPSTREAM                   |                  |             |
|----------------------------|------------------|---------------------------------|----------------------------|------------------|-------------|
| Distance<br>(Station) (ft) | Sounding<br>(ft) | Description                     | Distance<br>(Station) (ft) | Sounding<br>(ft) | Description |
| 0                          | 1.83             | FILL FACE                       |                            |                  |             |
| 1.92                       | 1.83             |                                 |                            |                  |             |
| 1.93                       | 16.91            | FACE OF ABUTMENT                | 1.93                       | 16.08            |             |
| 7                          | 17.83            | EDGE OF TRAIL                   |                            |                  |             |
| 23                         | 17.67            | EDGE OF TRAIL                   |                            |                  |             |
| 33                         | 17               | TOP OF RETAINING WALL           |                            |                  |             |
| 33.01                      | 20.83            | BOTTOM OF RETAINING WALL        |                            |                  |             |
| 50                         | 21.25            |                                 |                            |                  |             |
| 61.5                       | 26.42            | Water Surface/Water Edge (WSWE) |                            |                  |             |
| 62.5                       | 28.33            | BENT 1                          | 62.5                       | 26.17            | BENT 1      |
| 82                         | 29.25            | STREAMBED                       |                            |                  |             |
| 100                        | 28.83            | CL OF STREAM                    |                            |                  |             |
| 125                        | 26.42            | BENT 2                          | 125                        | 25.08            | BENT 2      |
| 139                        | 25.25            | Water Surface/Water Edge (WSWE) |                            |                  |             |
| 164                        | 18.5             |                                 |                            |                  |             |
| 187.5                      | 16.58            | BENT 3                          | 187.5                      | 16.08            | BENT 3      |
| 227                        | 11.75            |                                 |                            |                  |             |
| 245                        | 6.16             |                                 | 245                        | 7.42             |             |
| 245.01                     | 5.92             | Top of Cap                      |                            |                  |             |
| 248.07                     | 5.92             |                                 |                            |                  |             |
| 248.08                     | 2.92             |                                 |                            |                  |             |
| 250                        | 2.92             | FILL FACE                       |                            |                  |             |

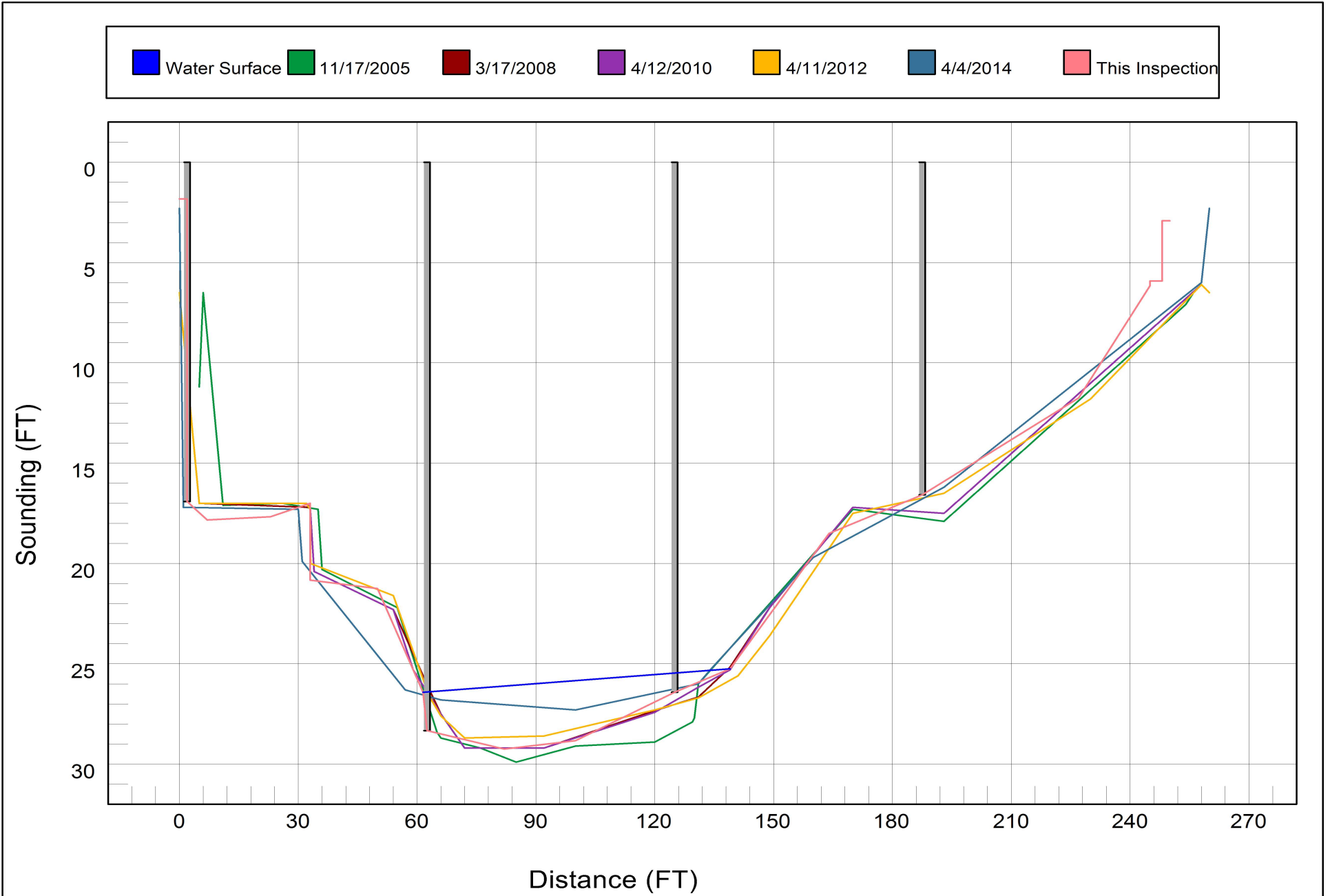
Bridge: 910494

County WAKE

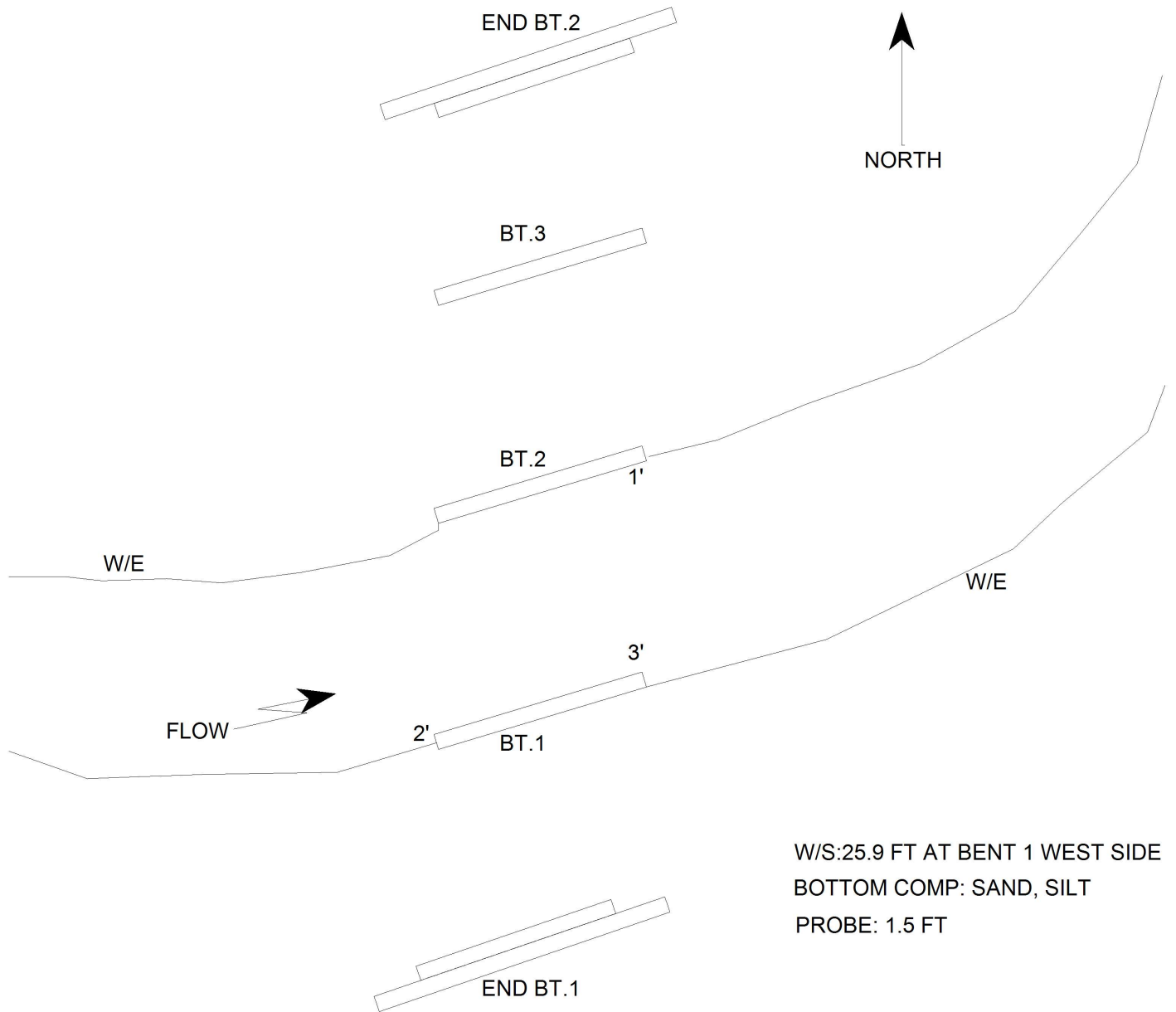
Date:

### STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



# Bridge Inspection Field Sketch



VERIFIED BY MKT 4/4/2014

## Title

PLAN VIEW

## Description

BRIDGE AND WATERWAY

Bridge No: 910494

Drawn By: WTW

Date: 09/07/2005

File Name: S0158000018

# Bridge Inspection Field Sketch

MEASUREMENTS TAKEN 430 FT FROM END BENT 1

|                 |             |               |               |
|-----------------|-------------|---------------|---------------|
| Roadway         | 22.5ft Wide | 2 Paved Lanes | Looking North |
| Left Shoulder   | 6ft Wide    |               | 6ft Unpaved   |
| Right Shoulder  | 6ft Wide    |               | 6ft Unpaved   |
| Left Guardrail  |             |               |               |
| Right Guardrail |             |               |               |

ROADWAY WIDTH CHANGED

MODIFIED BY TGZ 4/7/2016

## Title

Approach Roadway

## Description

Looking North

Bridge No: 910494

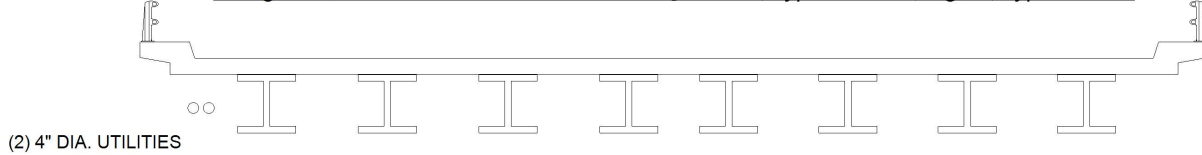
Drawn By: CLS

Date: 11/07/2005

File Name: S0234000038

# Bridge Inspection Field Sketch

|                                     |          |                 |         |       |          |
|-------------------------------------|----------|-----------------|---------|-------|----------|
| Deck Width/Out to Out               | 57.583ft | Between Rails   |         |       | 55.083ft |
| Clear Roadway                       | 48.5ft   | Wearing Surface |         |       |          |
| Median Width                        |          | Median Height   |         |       |          |
| Curb Height                         |          | Left            | 0.667ft | Right | 0.459ft  |
| Sidewalk Width                      |          | Left            | 5ft     | Right | 1.583ft  |
| Clear Roadway (Rail to Median)      |          | Left            |         | Right |          |
| Guardrail Width                     |          | Left            | 1.25ft  | Right | 1.25ft   |
| Top of Rail to Deck/Wearing Surface |          | Left            | 2.75ft  | Right | 2.542ft  |
| Bridge Rail                         |          | Left            | Type 10 | Right | Type 10  |

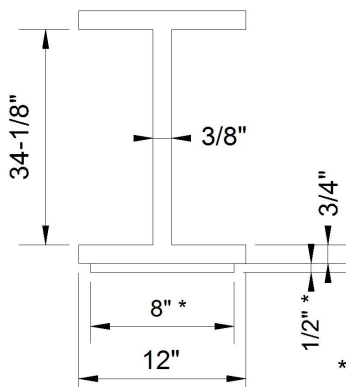


|                               |       |                |       |
|-------------------------------|-------|----------------|-------|
| Measurements for Span #       | 1     |                |       |
| Deck Thickness                | 0.817 | Left Overhang  | 4.333 |
| Top of Rail to Bottom of Beam | 6.708 | Right Overhang | 4     |

| Beam Number | Beam Type    | Spacing | Comments |
|-------------|--------------|---------|----------|
| 1           | Steel I Beam | 7.25ft  |          |
| 2           | Steel I Beam | 7.25ft  |          |
| 3           | Steel I Beam | 7.25ft  |          |
| 4           | Steel I Beam | 6.0ft   |          |
| 5           | Steel I Beam | 7.167ft |          |
| 6           | Steel I Beam | 7.167ft |          |
| 7           | Steel I Beam | 7.167ft |          |
| 8           | Steel I Beam |         |          |

## NO CURVED GIRDERS

BEAMS ARE NOT PARALLEL IN SPANS 1 AND 2



GUARDRAIL WIDTH ADDED

TOP OF RAIL TO BOTTOM OF  
BEAM CHANGED

BEAM SPACING CHANGED

TOP OF RAIL TO DECK CHANGED

SIDEWALK WIDTH CHANGED

BETWEEN RAILS CHANGED

OUT TO OUT CHANGED

\* COVER PLATE BEGINS AND ENDS  
13' FROM ENDS OF BEAM

MODIFIED BY TGZ, 4/7/2016

### Title

Typical Section

### Description

Bridge Section

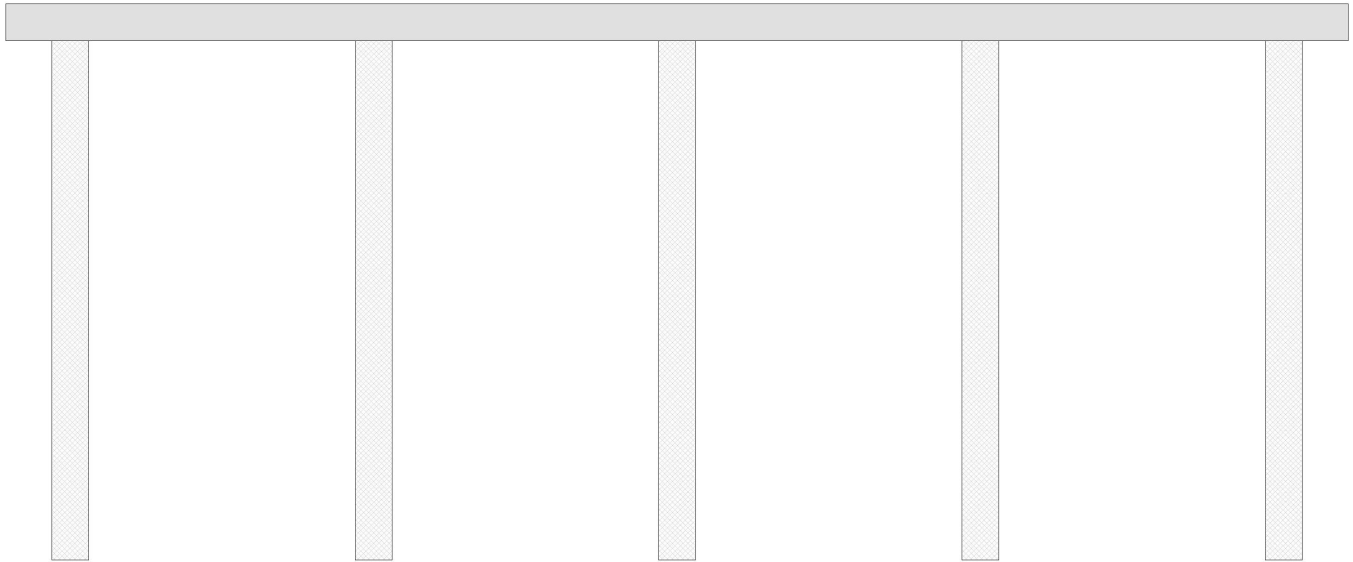
Bridge No: 910494

Drawn By: RL BOWERS

Date: 4/11/2012

File Name: S0234000039

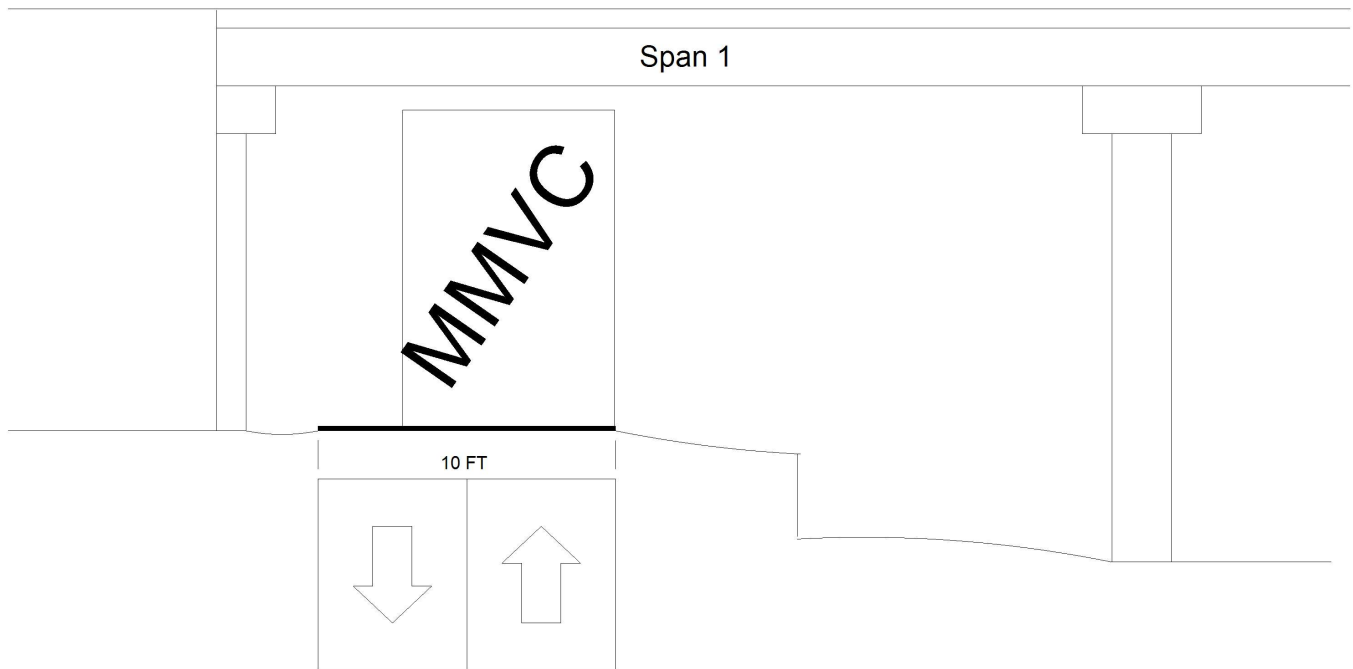
# Bridge Inspection Field Sketch



|                                                                                            |                 |                |                                        |                |                          |                           |                |                     |                 |                |
|--------------------------------------------------------------------------------------------|-----------------|----------------|----------------------------------------|----------------|--------------------------|---------------------------|----------------|---------------------|-----------------|----------------|
| <b>Cap Information</b>                                                                     |                 |                | <b>Material</b> Cast-in-Place Concrete |                |                          |                           |                |                     |                 |                |
| Length                                                                                     | Width           | Height         | Left Overhang                          | Right Overhang | Left Beam to End of Cap. | Right Beam to End of Cap. |                |                     |                 |                |
| 90.333 ft.                                                                                 | 2.833 ft.       | 2.500 ft.      | 4.333 ft.                              | 4.333 ft.      | 2.000 ft.                | 2.000 ft.                 |                |                     |                 |                |
| <b>Subcap Information</b>                                                                  |                 |                | <b>Material</b>                        |                |                          |                           |                |                     |                 |                |
| Length                                                                                     | Width           | Height         | Left Overhang                          | Right Overhang | Left Pile to Splice.     |                           |                |                     |                 |                |
| <b>Sill Information</b>                                                                    |                 |                | <b>Material</b>                        |                |                          |                           |                |                     |                 |                |
| Length                                                                                     | Width           | Height         |                                        |                |                          |                           |                |                     |                 |                |
| <b>Pile #</b>                                                                              | <b>Material</b> | <b>Spacing</b> | <b>Width/Dia.</b>                      | <b>Height</b>  | <b>Length</b>            | <b>Orientation</b>        | <b>Driven?</b> | <b>Replacement?</b> | <b>Removed?</b> | <b>Collar?</b> |
| 1                                                                                          | Concrete        | 20.417 ft.     | 2.5 ft.                                | 2.417 ft.      |                          | Vertical                  | No             | No                  | No              | No             |
| 2                                                                                          | Concrete        | 20.417 ft.     | 2.5 ft.                                | 2.417 ft.      |                          | Vertical                  | No             | No                  | No              | No             |
| 3                                                                                          | Concrete        | 20.417 ft.     | 2.5 ft.                                | 2.417 ft.      |                          | Vertical                  | No             | No                  | No              | No             |
| 4                                                                                          | Concrete        | 20.417 ft.     | 2.5 ft.                                | 2.417 ft.      |                          | Vertical                  | No             | No                  | No              | No             |
| 5                                                                                          | Concrete        |                | 2.5 ft.                                | 2.417 ft.      |                          | Vertical                  | No             | No                  | No              | No             |
| <p>BEAM TO END OF CAP ADDED</p> <p>CAP HEIGHT CHANGED</p> <p>MODIFIED BY TGZ, 4/7/2016</p> |                 |                |                                        |                |                          |                           |                |                     |                 |                |
| <b>Bent/Abutment #:</b> 1                                                                  |                 |                | <b>Similar Bents:</b> 2,3,4            |                |                          |                           |                |                     |                 |                |

|                   |        |                  |                    |              |          |
|-------------------|--------|------------------|--------------------|--------------|----------|
| <b>Title</b>      |        |                  | <b>Description</b> |              |          |
| SUBSTRUCTURE      |        |                  | INTERIOR BENT 3    |              |          |
| <b>Bridge No:</b> | 910494 | <b>Drawn By:</b> | MKT                | <b>Date:</b> | 4/8/2014 |
|                   |        |                  | <b>File Name:</b>  | S0398000140  |          |

# Bridge Inspection Field Sketch



|                                |                                                  |                        |           |
|--------------------------------|--------------------------------------------------|------------------------|-----------|
| Roadway 1                      |                                                  | Direction of Traffic   | East West |
| Distance to Left Rail          |                                                  | Distance to Right Rail |           |
| Distance to Left Toe of Slope  |                                                  | Distance to Left Bent  | 2.42FT    |
| Distance to Right Toe of Slope |                                                  | Distance to Right Bent | 16.68FT   |
| MMVC                           | 9.33 Ft at Beam 1, 0 FT from RIGHT EDGE OF TRAIL |                        |           |
| MVC                            | 9.33 Ft at Beam 1, 0 FT from RIGHT EDGE OF TRAIL |                        |           |

## Title

TRAIL VERTICAL CLEARANCE

## Description

CRABTREE CREEK TRAIL

Bridge No: 910494

Drawn By: TGZ

Date: 4/8/2016

File Name: S0342000355