# **Structure Safety Report**

### **Routine Element Inspection**

**INSPECTION DATE**: 04/29/2019

|                               |                  | INOI ECTION DA   | 04/23/201      | <del></del> |                         |   |                    |
|-------------------------------|------------------|--|----------------|-------------|-------------------------|---|--------------------|
| DIVISION: 6                   | COUNTY: ROBES    | SON STRUCT   | URE NUMBER:    | 770158      | FREQ                    | UENCY: 24 M                             | IONTHS             |
| FACILITY CARRIED              | : 195 SBL        |  |                |             | MILE POST:              | 30.7                                    |                    |
| LOCATION: 0.6 MI.             | S. OFJCT.NC20    |  |                |             |                         |   |                    |
| FEATURE INTERSE               | CTED: BIG MARSI  | H SWAMP  |                |             |                         |   |                    |
| LATITUDE: 34° 48              | ' 11.23"         | LONGITUDE:   | 78° 59' 23.34" |             |                         |   |                    |
| SUPERSTRUCTURE                | :: RC FLOOR/PP   | C GIRDERS  |                |             |                         |   |                    |
| SUBSTRUCTURE:                 | E.BTS&INT.BTS:RO | C CAPS/PPC PILES   |                |             |                         |   |                    |
| SPANS: 3 SPAN                 | S. SEE SPAN PRC  | FILE SHEET FOR SPAN DE   | ETAILS         |             |                         |   |                    |
| FRACTURE CR                   | ITICAL TEM       | PORARY SHORING   | SCOUR CRITIC   | CAL         |                         | PLAN OF ACTION                          | ON                 |
| NBI GRADES:                   | DECK 7           | SUPERSTRUCTURE 6   | SUBSTRUCTU     | IRE _7      | CULVERT                 | N                                       |                    |
| POSTED SV: Not                | Posted           |  | POSTED TTS     | r: Not Pos  | ted                     |   |                    |
| OTHER SIGNS PRES              | SENT: 2 DELINEA  | TORS   |                |             | Sign noticed issued for |   | Number<br>Required |
|                               |                  | The state of   |                |             | NO                      | WEIGHT LIM                              | IIT 0              |
|                               |                  |  |                |             | NO                      | DELINEATO                               | <b>RS</b> 0        |
|                               |                  | The state of the s |                |             | NO                      | NARROW BRID                             | OGE 0              |
|                               |                  |  | NA.            |             | NO                      | ONE LANE BRI                            | DGE 0              |
|                               |                  |  |                |             | NO                      | LOW CLEARAN                             | NCE 0              |
|                               |                  |  |                |             | INSPI                   | TION OF<br>ECTION<br>CCTION<br>ES PLANS | S-N                |
| LOOKING SOUTH                 |                  |  |                |             |                         |   |                    |
| INSPECTED BY<br>Ray L. Kisner |                  | SIGNATURE  | ay L. Kisner   |             | ASSISTED BY             | Samuel F. Spill                         | ers                |

## **Structure Element Scoring**

Structure Number: <u>770158</u> Inspection Date <u>4/29/2019</u>

| Element<br>Number | Parent<br>Number | Element Name                          | Location          | Total<br>Quantity | Level 1<br>Quantity | Level 2<br>Quantity | Level 3<br>Quantity | Level 4<br>Quantity |
|-------------------|------------------|---------------------------------------|-------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
| 12                | 0                | Reinforced Concrete Deck              | Deck              | 4747              | 3397                | 1350                | О                   | 0                   |
| 109               | 0                | Prestressed Concrete Open Girder/Beam | Beam              | 900               | 892                 | 8                   | 0                   | 0                   |
| 215               | 0                | Reinforced Concrete Abutment          | Abutments         | 72                | 69                  | 3                   | 0                   | 0                   |
| 226               | 0                | Prestressed Concrete Pile             | Piles and Columns | 28                | 16                  | 12                  | 0                   | 0                   |
| 234               | 0                | Reinforced Concrete Pier Cap          | Caps              | 130               | 129                 | 1                   | 0                   | 0                   |
| 301               | 0                | Pourable Joint Seal                   | Expansion Joints  | 64                | 64                  | 0                   | 0                   | 0                   |
| 316               | 0                | Other Bearings                        | Bearing Device    | 36                | 0                   | 36                  | 0                   | 0                   |
| 515               | 316              | Steel Protective Coating              | Bearing Device    | 72                | 0                   | 24                  | 40                  | 8                   |
| 333               | 0                | Other Bridge Railing                  | Bridge Rail       | 304               | 252                 | 52                  | 0                   | 0                   |
| 515               | 333              | Steel Protective Coating              | Bridge Rail       | 304               | 304                 | 0                   | 0                   | 0                   |
| 510               | 0                | Wearing Surface                       | Wearing Surfaces  | 4220              | 3572                | 0                   | 648                 | 0                   |

## **Summary of Maintenance Needs**

Maintenance By Defect

Structure Number: <u>770158</u> Inspection Date: <u>04/29/2019</u>

| MMS<br>Code | Element Name                          | Defect Name                               | Recommended Quantity |
|-------------|---------------------------------------|---|----------------------|
| 3306        | Prestressed Concrete Open Girder/Bear | Delamination/Spall                        | 8 Feet               |
| 3348        | Prestressed Concrete Pile             | Abrasion/Wear (PSC/RC)                    | 12 Each              |
| 3348        | Prestressed Concrete Pile             | Delamination/Spall                        | 1 Each               |
| 3348        | Reinforced Concrete Pier Cap          | Delamination/Spall                        | 1 Feet               |
| 3318        | Other Bridge Railing                  | Delamination/Spall                        | 2 Feet               |
| 2816        | Wearing Surface                       | Crack (Wearing Surface)                   | 648 Square Feet      |
| 3342        | Steel Protective Coating              | Effectiveness (Steel Protective Coatings) | 72 Square Feet       |

### **Element Structure Maintenance Quantities**

Structure Number: 770158 Inspection Date 04/29/2019

| Location          | MMS<br>Code | Description                                     | Maint<br>Quantity | Total<br>Quantity | Severe<br>Quantity | Poor<br>Quantity | Fair<br>Quantity | Good<br>Quantity |
|-------------------|-------------|---|-------------------|-------------------|--------------------|------------------|------------------|------------------|
| Abutments         | 3350        | Maintenance of Concrete Wings and Wall          | 0                 | 72                | 0                  | 0                | 3                | 69               |
| Beam              | 3306        | Maintenance Concrete Superstructure Components  | 8                 | 900               | О                  | 0                | 8                | 892              |
| Bearing Device    | 3334        | Bridge Bearing                                  | 0                 | 36                | О                  | 0                | 36               | 0                |
| Bearing Device    | 3342        | Clean and Paint Steel                           | 72                | 72                | 8                  | 40               | 24               | 0                |
| Bridge Rail       | 3318        | Maintenance of Concrete Bridge Rail             | 2                 | 304               | О                  | О                | 52               | 252              |
| Bridge Rail       | 3342        | Clean and Paint Steel                           | 0                 | 304               | О                  | О                | О                | 304              |
| Caps              | 3348        | Maintenance of Concrete Substructure            | 1                 | 130               | 0                  | 0                | 1                | 129              |
| Deck              | 3326        | Maintenance of Concrete Deck                    | 0                 | 4747              | 0                  | 0                | 1350             | 3397             |
| Expansion Joints  | 3310        | Maintenance of Standard Bridge Expansion Joints | 0                 | 64                | 0                  | 0                | 0                | 64               |
| Piles and Columns | 3348        | Maintenance of Concrete Substructure            | 13                | 28                | 0                  | 0                | 12               | 16               |
| Wearing Surfaces  | 2816        | Asphalt Surface Repair                          | 648               | 4220              | 0                  | 648              | 0                | 3572             |
|                   |             |   |                   |                   |                    |                  |                  |                  |

### **Element Condition and Maintenance Data**

Structure Number: 770158 Inspection Date: 04/29/2019

| lucture         | Number. <u>770136</u>   |                             |                 |            |            | 1113       | spection     | Date. <u>04/29/2013</u> |
|-----------------|-------------------------|-----------------------------|-----------------|------------|------------|------------|--------------|-------------------------|
| Spa             | ın 1                    | Deck                        |                 |            |            |            |              |                         |
| Rei             | nforced Concrete        | Deck                        |                 |            |            |            |              |                         |
|                 | ment<br>mber            | Element Name                | Total<br>Qty    | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   | ='                      |
| 12              | Reinfor                 | ced Concrete Deck           | 1,586           | 1,286      | 300        | 0          | 0            | Square Feet             |
| Elemen<br>Numbe | Dofoot Typo             | Defect Des                  | scription       |            | cs         | CS Qty     | Maint<br>Qty |                         |
| 12              | Cracking (RC and Other) | 300 SF. OF HAIRLINE MAP CRA | CKING IN BOTTOM | 1 OF       | 2          | 300        |              | Square Feet             |
|                 | General Comments        |                             |                 |            |            |            |              |                         |
|                 |                         |                             |                 |            |            |            |              |                         |

| Span             | 1                  | Beam 4  |              |            |            |            |              |      |
|------------------|--------------------|---|--------------|------------|------------|------------|--------------|------|
| Pres             | tressed Concret    | e Girder  |              |            |            |            |              |      |
| Elem<br>Numi     |                    | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |      |
| 109              | Prestres           | ssed Concrete Open Girder/Beam                                    | 50           | 49         | 1          | 0          | 0 1          | Feet |
| lement<br>lumber | Defect Type        | Defect Descript   | ion          |            | CS         | CS Qty     | Maint<br>Qty |      |
| 109              | Delamination/Spall | SURFACE SPALL 4" DIAMETER X 1/2<br>FLANGE AT 20 FT. FROM END BENT |              | TOM        | 2          | 1          | 1            | Feet |
| G                | Seneral Comments   |   |              |            |            |            |              |      |

| Spa             | ın 1                       | Wearing Surf                   | ace                    |                      |                 |                    |                    |             |
|-----------------|----------------------------|--------------------------------|------------------------|----------------------|-----------------|--------------------|--------------------|-------------|
| Asp             | halt Wearing Su            | rface                          |                        |                      |                 |                    |                    |             |
|                 | ment<br>mber<br>Wearir     | Element Name<br>ng Surface     | <b>Total Qty</b> 1,410 | <b>CS1 Qty</b> 1,186 | CS2<br>Qty<br>0 | <b>CS3 Qty</b> 224 | <b>CS4 Qty</b> 0 S | quare Feet  |
| Elemer<br>Numbe | Dofoct Typo                | Defect Descrip                 | tion                   |                      | cs              | CS Qty             | Maint<br>Qty       |             |
| 510             | Crack (Wearing<br>Surface) | 200 SF. OF ALLIGATOR CRACKING  | 1/8" WIDE              |                      | 3               | 200                | 200                | Square Feet |
| 510             | Crack (Wearing Surface)    | 24 FT. TRANSVERSE CRACK 1/8" W | IDE AT END BE          | ENT 1                | 3               | 24                 | 24                 | Square Feet |
|                 | General Comments           |                                |                        |                      |                 |                    |                    |             |

| Span 1 Concret                | te and Metal F      |                                    | idge Rail                   |            |             |            |              |                     |
|-------------------------------|---------------------|------------------------------------|-----------------------------|------------|-------------|------------|--------------|---------------------|
| Element<br>Number             |                     | Element Name                       | Total<br>Qty                | CS1<br>Qty | CS2<br>Qty  | CS3<br>Qty | CS4<br>Qty   | •                   |
| 333<br>515                    |                     | ridge Railing<br>rotective Coating | 51<br>51                    | 41<br>51   | 10<br>0     | 0          | _            | Feet<br>Square Feet |
| Element<br>Number<br>333 Dist | Defect Type tortion |                                    | Description 3" X 1" IN RAIL |            | <b>CS</b> 2 | CS Qty     | Maint<br>Qty |                     |

| Spa             | ın 1                                      | Near Beari                           | ing               |            |            |            |              |               |
|-----------------|---|--------------------------------------|-------------------|------------|------------|------------|--------------|---------------|
| Oth             | er Bearing                                |                                      |                   |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                         | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other E                                   | Bearings                             | 1                 | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel P                                   | rotective Coating                    | 2                 | 0          | 2          | 0          | 0            | Square Feet   |
| Elemen<br>Numbe | Dofoct Typo                               | Defect Desc                          | cription          |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | FRECKLED RUST                        |                   |            | 2          | 1          |              | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVENE COATING | ESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
|                 | <b>General Comments</b>                   |                                      |                   |            |            |            |              |               |

| Spa<br>Oth      | ın 1<br>er Bearing                        | Far Bearing                  | I            |            |            |            |              |               |
|-----------------|---|------------------------------|--------------|------------|------------|------------|--------------|---------------|
|                 | ment<br>mber                              | Element Name                 | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other Bo                                  | earings                      | 1            | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel Pr                                  | otective Coating             | 2            | 0          | 0          | 0          | 2            | Square Feet   |
| Elemer<br>Numbe | Dofoct Typo                               | Defect Desc                  | ription      |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | RUST AND FLAKING WITH NO SE  | CTION LOSS   |            | 2          | 1          | •            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECT | TIVE COATING |            | 4          | 2          |              | 2 Square Feet |
|                 | General Comments                          |                              |              |            |            |            |              |               |

| Spa   | an 1                                      | Near Bea                            | ring               |            |            |            |              |               |
|-------|---|-------------------------------------|--------------------|------------|------------|------------|--------------|---------------|
| Oth   | ner Bearing                               |                                     |                    |            |            |            |              |               |
|       | ment<br>mber                              | Element Name                        | Total<br>Qty       | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316   | Other B                                   | earings                             | 1                  | 0          | 1          | 0          | 0            | Each          |
| 515   | Steel P                                   | rotective Coating                   | 2                  | 0          | 2          | 0          | 0            | Square Feet   |
| Eleme | Dofoot Typo                               | Defect De                           | scription          |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316   | Corrosion                                 | FRECKLED RUST                       |                    |            | 2          | 1          |              | Each          |
| 515   | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVEN COATING | IESS OF PROTECTIVE |            | 2          | 2          | :            | 2 Square Feet |
|       | <b>General Comments</b>                   |                                     |                    |            |            |            |              |               |

| Spar<br>Othe       | n 1<br>er Bearing                         | Far Bear                  | ing               |            |            |            |              |               |
|--------------------|---|---------------------------|-------------------|------------|------------|------------|--------------|---------------|
| Elem<br>Num<br>316 |   | Element Name              | Total<br>Qty<br>1 | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 515                |   | otective Coating          | 2                 | 0          | 0          | 0          | _            | Square Feet   |
| Element<br>Number  | Dofoct Typo                               | Defect De                 | escription        |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316                | Corrosion                                 | RUST WITH FLAKING , NO SE | CTION LOSS        |            | 2          | 1          | •            | Each          |
| 515                | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROT | ECTIVE COATING    |            | 4          | 2          |              | 2 Square Feet |

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| Spa   | an 1                                   | ı                      | lear Bearing              |            |            |            |              |               |
|-------|--|------------------------|---------------------------|------------|------------|------------|--------------|---------------|
| Oth   | ner Bearing                            |                        |                           |            |            |            |              |               |
|       | ment<br>mber                           | Element Name           | Total<br>Qty              | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316   | Oth                                    | ner Bearings           | 1                         | 0          | 1          | 0          | 0            | Each          |
| 515   | Ste                                    | eel Protective Coating | 2                         | 0          | 2          | 0          | 0            | Square Feet   |
| Eleme | Dofoot Typ                             | e                      | Defect Description        |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316   | Corrosion                              | FRECKLED RUST          |                           |            | 2          | 1          | -            | Each          |
| 515   | Effectiveness (St<br>Protective Coatin |                        | FFECTIVENESS OF PROTECTIV | Έ          | 2          | 2          |              | 2 Square Feet |
|       | <b>General Commer</b>                  | nts                    |                           |            |            |            |              |               |

| Spa             | ın 1                                      | Far Bearing                     |              |            |            |        |              |               |
|-----------------|---|---------------------------------|--------------|------------|------------|--------|--------------|---------------|
| Oth             | er Bearing                                |                                 |              |            |            |        |              |               |
|                 | ment<br>nber                              | Element Name                    | Total<br>Qty | CS1<br>Qty | CS2<br>Qty |        | CS4<br>Qty   |               |
| 316             | Other Be                                  | earings                         | 1            | 0          | 1          | 0      | 0            | Each          |
| 515             | Steel Pr                                  | otective Coating                | 2            | 0          | 0          | 0      | 2            | Square Feet   |
| Elemen<br>Numbe | Defect Type                               | Defect Descri                   | otion        |            | CS         | CS Qty | Maint<br>Qty |               |
| 316             | Corrosion                                 | RUST WITH FLAKING , NO SECTIO   | N LOSS       |            | 2          | 1      |              | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTIVE | /E COATING   |            | 4          | 2      |              | 2 Square Feet |
|                 | General Comments                          |                                 |              |            |            |        |              |               |

| Spa             | an 1                                      | Near Bea                            | ring               |            |            |            |              |               |
|-----------------|---|-------------------------------------|--------------------|------------|------------|------------|--------------|---------------|
| Oth             | ner Bearing                               |                                     |                    |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                        | Total<br>Qty       | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other I                                   | Bearings                            | 1                  | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel F                                   | Protective Coating                  | 2                  | 0          | 2          | 0          | 0            | Square Feet   |
| Elemer<br>Numbe | Dofoot Typo                               | Defect De                           | scription          |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | FRECKLED RUST                       |                    |            | 2          | 1          | -            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVEN COATING | NESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
|                 | <b>General Comments</b>                   |                                     |                    |            |            |            |              |               |

| Span 1            |                          | Far Bearing        |              |            |            |            |              |             |
|-------------------|--------------------------|--------------------|--------------|------------|------------|------------|--------------|-------------|
| Other B           | earing                   |                    |              |            |            |            |              |             |
| Element<br>Number | Element N                | lame               | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 316               | Other Bearings           |                    | 1            | 0          | 1          | 0          | 0 E          | ach         |
| 515               | Steel Protective Coating | J                  | 2            | 0          | 0          | 2          | 0 8          | Square Feet |
| lement<br>lumber  | Defect Type              | Defect Description |              |            | cs         | CS Qty     | Maint<br>Qty |             |

| Structure | Number: <u>770158</u>                     |   |   | Inspe | ction Date: <u>04/29/2019</u> |
|-----------|---|---|---|-------|-------------------------------|
| 316       | Corrosion                                 | SURFACE CORROSION                       | 2 | 1     | Each                          |
| 515       | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTIVE COATING | 3 | 2     | 2 Square Feet                 |
|           | <b>General Comments</b>                   |   |   |       |                               |

| Spai<br>Othe      | n 1<br>er Bearing                         | Near Bear                           | ing               |            |            |            |              |               |
|-------------------|---|-------------------------------------|-------------------|------------|------------|------------|--------------|---------------|
| Elen<br>Num       | nber                                      | Element Name                        | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   | ,             |
| 316               | Other E                                   | earings                             | 1                 | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel P                                   | rotective Coating                   | 2                 | 0          | 2          | 0          | 0            | Square Feet   |
| Element<br>Number | Dofoot Typo                               | Defect Des                          | scription         |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | FRECKLED RUST                       |                   |            | 2          | 1          |              | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVEN COATING | ESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
| (                 | General Comments                          |                                     |                   |            |            |            |              |               |

| Spa              | n 1                                       | Far Bearin                  | ıg            |            |            |            |              |              |
|------------------|---|-----------------------------|---------------|------------|------------|------------|--------------|--------------|
| Othe             | er Bearing                                |                             |               |            |            |            |              |              |
| Elen<br>Nun      | nent<br>nber                              | Element Name                | Total<br>Qty  | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |              |
| 316              | Other Be                                  | earings                     | 1             | 0          | 1          | 0          | 0            | Each         |
| 515              | Steel Pro                                 | otective Coating            | 2             | 0          | 0          | 0          | 2            | Square Feet  |
| Elemen<br>Number | Dofoot Typo                               | Defect Des                  | cription      |            | cs         | CS Qty     | Maint<br>Qty |              |
| 316              | Corrosion                                 | RUST WITH FLAKING , NO SEC  | TION LOSS     |            | 2          | 1          | •            | Each         |
| 515              | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC | CTIVE COATING |            | 4          | 2          |              | 2 Square Fee |
| 515              | Effectiveness (Steel                      | ,                           |               |            |            |            | 2            | 2            |

| Spai              | n 1                                       | Near Bear                           | ing               |            |            |            |              |               |
|-------------------|---|-------------------------------------|-------------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |                                     |                   |            |            |            |              |               |
| Elem<br>Num       |   | Element Name                        | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other Be                                  | earings                             | 1                 | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pro                                 | otective Coating                    | 2                 | 0          | 2          | 0          | 0            | Square Feet   |
| Element<br>Number | Dofoot Typo                               | Defect Des                          | scription         |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | FRECKLED RUST                       |                   |            | 2          | 1          | •            | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVEN COATING | ESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |

| Spa             | an 1                                      | Far Bearing                     | 9            |            |            |            |              |               |
|-----------------|---|---------------------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth             | er Bearing                                |                                 |              |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                    | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other B                                   | earings                         | 1            | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel Pr                                  | otective Coating                | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Elemer<br>Numbe | Dofoot Typo                               | Defect Desc                     | ription      |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | SURFACE CORROSION               |              |            | 2          | 1          | -            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTION | TIVE COATING |            | 3          | 2          | 2            | 2 Square Feet |
|                 | <b>General Comments</b>                   |                                 |              |            |            |            |              |               |

| Spa            | ın 2                    | Deck                        |                  |            |            |            |              |             |
|----------------|-------------------------|-----------------------------|------------------|------------|------------|------------|--------------|-------------|
| Rei            | nforced Concrete        | Deck                        |                  |            |            |            |              |             |
|                | ment<br>nber            | Element Name                | Total<br>Qty     | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 12             | Reinfor                 | ced Concrete Deck           | 1,575            | 1,275      | 300        | 0          | 0            | Square Feet |
| lemen<br>lumbe | Dofoct Typo             | Defect De                   | scription        |            | cs         | CS Qty     | Maint<br>Qty |             |
| 12             | Cracking (RC and Other) | 300 SF. OF HAIRLINE MAP CRA | ACKING IN BOTTOM | OF         | 2          | 300        |              | Square Feet |
|                | General Comments        |                             |                  |            |            |            |              |             |

| Span 2            |               | Beam 3  |              |            |            |            |              |   |
|-------------------|---------------|---|--------------|------------|------------|------------|--------------|---|
| Prestress         | ed Concret    | e Girder  |              |            |            |            |              |   |
| Element<br>Number |               | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |   |
| 109               | Prestre       | ssed Concrete Open Girder/Beam                                      | 50           | 48         | 2          | 0          | 0 Feet       |   |
| Element<br>Number | Defect Type   | Defect Descript   | tion         |            | cs         | CS Qty     | Maint<br>Qty |   |
| 109 Delam         | ination/Spall | 2 - 4" DIAMETER X 1/2" DEEP SPALL<br>PLATE AT HOLD-DOWN POINT IN BO |              |            | 2          | 2          | 2 Feet       |   |
| Genera            | I Comments    |   |              |            |            |            |              | _ |

| CS1<br>Qty | CS2<br>Qty |        | CS4<br>Qty   |
|------------|------------|--------|--------------|
| 49         | 1          | 0      | 0 Feet       |
|            | cs         | CS Qty | Maint<br>Qty |
| LATE       | 2          | 1      | 1 Feet       |
| _          |            |        |              |

| Beam 5                                |  |   |                   |  |   |  |
|---------------------------------------|--|---|-------------------|--|---|--|
| ete Girder                            |  |   |                   |  |   |  |
| Element Name                          | Total<br>Qty   | CS1<br>Qty  | CS2<br>Qty        | CS3<br>Qty   | CS4<br>Qty  |  |
| ressed Concrete Open Girder/Beam      | 50   | 49  | 1                 | 0  | 0 Feet  |  |
| Defect Description                    | on   |   | cs                | CS Qty   | Maint<br>Qty  |  |
| · · · · · · · · · · · · · · · · · · · |  | PLATE   | 2                 | 1  | 1 Feet  |  |
| t                                     | ete Girder  Element Name tressed Concrete Open Girder/Beam  Defect Descripti  4" DIAMETER X 1/2" DEEP SPALL WI | ete Girder  Element Name  tressed Concrete Open Girder/Beam  Defect Description | ete Girder    CS1 | ete Girder           Element Name         Total Qty Qty Qty Qty         CS1 Qty Qty           tressed Concrete Open Girder/Beam         50         49         1           Defect Description         CS           4" DIAMETER X 1/2" DEEP SPALL WITH EXPOSED PLATE         2 | ete Girder           Element Name         Total Qty Qty Qty Qty Qty Qty         CS2 Qty Qty Qty Qty           tressed Concrete Open Girder/Beam         50         49         1         0           Defect Description         CS         CS Qty           4" DIAMETER X 1/2" DEEP SPALL WITH EXPOSED PLATE         2         1 | ete Girder      Element Name         Total Qty Qty Qty Qty Qty Qty Qty Qty Qty         CS3 Qty |

**General Comments** 

| 1 2                                 | Beam 6                                |   |   |                               |                               |                               |
|-------------------------------------|---------------------------------------|---|---|-------------------------------|-------------------------------|-------------------------------|
| tressed Concret                     | e Girder                              |   |   |                               |                               |                               |
|                                     | Element Name                          | Total<br>Qty  | CS1<br>Qty  | CS2<br>Qty                    | CS3<br>Qty                    | CS4<br>Qty                    |
| 109 Prestressed Concrete Open Girde |                                       | Prestressed Concrete Open Girder/Beam 50 49   |   | 1                             | 0                             | 0 Feet                        |
| Defect Type                         | Defect Descript                       | ion   |   | cs                            | CS Qty                        | Maint<br>Qty                  |
| Delamination/Spall                  | · · · · · · · · · · · · · · · · · · · |   | PLATE   | 2                             | 1                             | 1 Feet                        |
|                                     | ent<br>ber<br>Prestre                 | tressed Concrete Girder  ent ber Element Name Prestressed Concrete Open Girder/Beam  Defect Type Defect Descript  Delamination/Spall 4" DIAMETER X 1/2" DEEP SPALL WI | tressed Concrete Girder  lent ber Element Name Qty Prestressed Concrete Open Girder/Beam 50  Defect Type Defect Description | tressed Concrete Girder  lent | tressed Concrete Girder  lent | tressed Concrete Girder  lent |

**General Comments** 

| Spa             | an 2                    | Wearing S                    | urface       |            |            |            |              |             |
|-----------------|-------------------------|------------------------------|--------------|------------|------------|------------|--------------|-------------|
| Ası             | ohalt Wearing S         | urface                       |              |            |            |            |              |             |
| Nu              | ment<br>mber            | Element Name                 | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   | _           |
| 510             | Wea                     | ring Surface                 | 1,400        | 1,200      | 0          | 200        | 0 S          | quare Feet  |
| Elemei<br>Numbe | Dofoot Typo             | Defect Desc                  | ription      |            | cs         | CS Qty     | Maint<br>Qty |             |
| 510             | Crack (Wearing Surface) | 200 SF. OF ALLIGATOR CRACKII | NG 1/8" WIDE |            | 3          | 200        | 200          | Square Feet |
|                 | <b>General Comments</b> | 3                            |              |            |            |            |              |             |

| Span 2            |                | Left Bridg                 | e Rail       |            |            |            |              |             |
|-------------------|----------------|----------------------------|--------------|------------|------------|------------|--------------|-------------|
| Concret           | te and Metal F | Railing                    |              |            |            |            |              |             |
| Element<br>Number |                | Element Name               | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 333               | Other B        | Bridge Railing             | 50           | 30         | 20         | 0          | 0            | Feet        |
| 515               | Steel P        | rotective Coating          | 50           | 50         | 0          | 0          | 0            | Square Feet |
| Element<br>Number | Defect Type    | Defect Des                 | scription    |            | cs         | CS Qty     | Maint<br>Qty |             |
| <b>333</b> Dist   | ortion         | MULTIPLE GOUGES UP TO 3" > | ( 1" IN RAIL |            | 2          | 20         |              | Feet        |

| 2                                       | Near Beari   | ng   |  |   |                                       |   |                               |
|---|--|--|--|---|---------------------------------------|---|-------------------------------|
| Bearing                                 |  |  |  |   |                                       |   |                               |
| nt<br>er                                | Element Name   | Total<br>Qty   | CS1<br>Qty   | CS2<br>Qty  | CS3<br>Qty                            | CS4<br>Qty                                      |                               |
| Other Be                                | earings  | 1  | 0  | 1   | 0                                     | 0   | Each                          |
| Steel Pro                               | otective Coating   | 2  | 0  | 0   | 2                                     | 0   | Square Feet                   |
| Defect Type                             | Defect Desc  | cription   |  | cs  | CS Qty                                | Maint<br>Qty                                    |                               |
| orrosion                                | SURFACE CORROSION  |  |  | 2   | 1                                     | •   | Each                          |
| ffectiveness (Steel rotective Coatings) | 2 SF. OF INEFFECTIVE PROTEC  | TIVE COATING   |  | 3   | 2                                     |   | 2 Square Feet                 |
| 1                                       | Defect Type orrosion  General Steel  Other Beneral Steel  Steel Properties of the Pr | Bearing  Inter Element Name Other Bearings Steel Protective Coating  Defect Type Defect Deserrorsion SURFACE CORROSION  Iffectiveness (Steel 2 SF. OF INEFFECTIVE PROTECTIVE PRO | Bearing  Int Element Name Qty Other Bearings 1 Steel Protective Coating 2  Defect Type Defect Description Orrosion SURFACE CORROSION  Iffectiveness (Steel 2 SF. OF INEFFECTIVE PROTECTIVE COATING | Bearing  Int Element Name Qty Qty Other Bearings 1 0 Steel Protective Coating 2 0  Defect Type Defect Description  Orrosion SURFACE CORROSION  Iffectiveness (Steel 2 SF. OF INEFFECTIVE PROTECTIVE COATING | Defect Type   Defect Description   CS | Defect Type   Defect Description   CS   CS   CS | Total   CS1   CS2   CS3   CS4 |

| Spa<br>Oth      | n 2<br>er Bearing                         | Far Bearing                 | g            |            |            |            |              |               |
|-----------------|---|-----------------------------|--------------|------------|------------|------------|--------------|---------------|
|                 | ment<br>nber                              | Element Name                | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other Be                                  | earings                     | 1            | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel Pro                                 | otective Coating            | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Elemen<br>Numbe | Dofoct Typo                               | Defect Desc                 | ription      |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | SURFACE CORROSION           |              |            | 2          | 1          | •            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC | TIVE COATING |            | 3          | 2          |              | 2 Square Feet |
| -               | General Comments                          |                             |              |            |            |            |              |               |

| Spa    | an 2                                      | Near Bearin                  | g            |            |            |            |              |               |
|--------|---|------------------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth    | er Bearing                                |                              |              |            |            |            |              |               |
|        | ment<br>mber                              | Element Name                 | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316    | Other Be                                  | earings                      | 1            | 0          | 1          | 0          | 0            | Each          |
| 515    | Steel Pr                                  | otective Coating             | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Elemei | Dofoct Typo                               | Defect Descr                 | iption       |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316    | Corrosion                                 | SURFACE CORROSION            |              |            | 2          | 1          |              | Each          |
| 515    | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECT | IVE COATING  |            | 3          | 2          |              | 2 Square Feet |
|        | <b>General Comments</b>                   |                              |              |            |            |            |              |               |

| Spai              | າ 2                                       | Far Beari                  | ng            |            |            |            |              |               |
|-------------------|---|----------------------------|---------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |                            |               |            |            |            |              |               |
| Elem<br>Num       |   | Element Name               | Total<br>Qty  | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other B                                   | earings                    | 1             | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pr                                  | otective Coating           | 2             | 0          | 0          | 2          | 0            | Square Feet   |
| Element<br>Number | Dofoct Typo                               | Defect Des                 | scription     |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | SURFACE CORROSION          |               |            | 2          | 1          |              | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTE | CTIVE COATING |            | 3          | 2          |              | 2 Square Feet |

Inspection Date: 04/29/2019

Structure Number: 770158

| Spa            | an 2                                   | Near Beari           | ng           |            |            |            |              |               |
|----------------|--|----------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth            | ner Bearing                            |                      |              |            |            |            |              |               |
|                | ement<br>Imber                         | Element Name         | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316            | Othe                                   | er Bearings          | 1            | 0          | 1          | 0          | 0            | Each          |
| 515            | Stee                                   | I Protective Coating | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Eleme<br>Numbe | Dofoot Typo                            | Defect Desc          | ription      |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316            | Corrosion                              | SURFACE CORROSION    |              |            | 2          | 1          |              | Each          |
| 515            | Effectiveness (Stee Protective Coating |                      | TIVE COATING |            | 3          | 2          |              | 2 Square Feet |
|                | General Comments                       | 5                    |              |            |            |            |              |               |

| Spa             | n 2                                       | Far Bearing                     |              |            |            |            |              |               |
|-----------------|---|---------------------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth             | er Bearing                                |                                 |              |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                    | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other B                                   | earings                         | 1            | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel Pr                                  | otective Coating                | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Elemer<br>Numbe | Dofoot Typo                               | Defect Descrip                  | otion        |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | SURFACE CORROSION               |              |            | 2          | 1          | -            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTIVE | /E COATING   |            | 3          | 2          |              | 2 Square Feet |
|                 | <b>General Comments</b>                   |                                 |              |            |            |            |              |               |

| Spar              | n 2                                       | Near Bear                   | ing           |            |            |            |              |               |
|-------------------|---|-----------------------------|---------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |                             |               |            |            |            |              |               |
| Elem<br>Num       |   | Element Name                | Total<br>Qty  | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other Bo                                  | earings                     | 1             | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pr                                  | otective Coating            | 2             | 0          | 0          | 2          | 0            | Square Feet   |
| Element<br>Number | Dofoot Typo                               | Defect Des                  | scription     |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | SURFACE CORROSION           |               |            | 2          | 1          |              | Each          |
|                   | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC | CTIVE COATING |            | 3          | 2          |              | 2 Square Feet |
| (                 | General Comments                          |                             |               |            |            |            |              |               |

| Span 2            |                          | Far Bearing        |              |            |            |            |              |             |
|-------------------|--------------------------|--------------------|--------------|------------|------------|------------|--------------|-------------|
| Other B           | earing                   |                    |              |            |            |            |              |             |
| Element<br>Number | Element N                | ame                | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 316               | Other Bearings           |                    | 1            | 0          | 1          | 0          | 0            | Each        |
| 515               | Steel Protective Coating |                    | 2            | 0          | 0          | 2          | 0            | Square Feet |
| lement<br>lumber  | Defect Type              | Defect Description |              |            | cs         | CS Qty     | Maint<br>Qty |             |

| Structure | Number: <u>770158</u>                     | SORFACE CORROSION  ffectiveness (Steel 2 SF. OF INEFFECTIVE PROTECTIVE COATING |   | Inspe | ection Date: <u>04/29/2019</u> |
|-----------|---|--|---|-------|--------------------------------|
| 316       | Corrosion                                 | SURFACE CORROSION  | 2 | 1     | Each                           |
| 515       | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTIVE COATING  | 3 | 2     | 2 Square Feet                  |
|           | <b>General Comments</b>                   |  |   |       |                                |

| Spa            | n 2                                       | Near Bearin                  | ng           |            |            |            |              |               |
|----------------|---|------------------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth            | er Bearing                                |                              |              |            |            |            |              |               |
|                | ment<br>nber                              | Element Name                 | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316            | Other Be                                  | earings                      | 1            | 0          | 1          | 0          | 0            | Each          |
| 515            | Steel Pro                                 | otective Coating             | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| lemen<br>lumbe | Dofoct Typo                               | Defect Descr                 | ription      |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316            | Corrosion                                 | SURFACE CORROSION            |              |            | 2          | 1          | •            | Each          |
| 515            | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECT | TIVE COATING |            | 3          | 2          |              | 2 Square Feet |
| -              | General Comments                          |                              |              |            |            |            |              |               |

| 2<br>r Boaring                            | Far Bearin  | g  |  |  |  |  |                               |
|---|---|--|--|--|--|--|-------------------------------|
| ent<br>oer                                | Element Name  | Total<br>Qty   | CS1<br>Qty   | CS2<br>Qty   | CS3<br>Qty   | CS4<br>Qty   |                               |
| Other Be                                  | earings   | 1  | 0  | 1  | 0  | 0  | Each                          |
| Steel Pro                                 | otective Coating  | 2  | 0  | 0  | 2  | 0  | Square Feet                   |
| Defect Type                               | Defect Des  | cription   |  | cs   | CS Qty   | Maint<br>Qty   |                               |
| Corrosion                                 | SURFACE CORROSION   |  |  | 2  | 1  | -  | Each                          |
| Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC   | CTIVE COATING  |  | 3  | 2  |  | 2 Square Feet                 |
|   | Present Other Be Steel Present Operation Defect Type  Corrosion  Effectiveness (Steel | r Bearing  ent Der Element Name Other Bearings Steel Protective Coating  Defect Type Defect Desire Corrosion SURFACE CORROSION  Effectiveness (Steel 2 SF. OF INEFFECTIVE PROTEC | r Bearing  ent Element Name Qty Other Bearings 1 Steel Protective Coating 2  Defect Type Defect Description  Corrosion SURFACE CORROSION  Effectiveness (Steel 2 SF. OF INEFFECTIVE PROTECTIVE COATING | r Bearing  ent Element Name Qty Qty Other Bearings 1 0 Steel Protective Coating 2 0  Defect Type Defect Description  Corrosion SURFACE CORROSION  Effectiveness (Steel 2 SF. OF INEFFECTIVE PROTECTIVE COATING | Part   Company   Company | Total   CS1   CS2   CS3   CS3   CS2   CS3   CS3   CS4   CS4   CS4   CS4   CS5   CS | Total   CS1   CS2   CS3   CS4 |

| Spai            | າ 2                                       | Near Bear                   | ing           |            |            |            |              |               |
|-----------------|---|-----------------------------|---------------|------------|------------|------------|--------------|---------------|
| Othe            | er Bearing                                |                             |               |            |            |            |              |               |
| Elen<br>Num     |   | Element Name                | Total<br>Qty  | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other B                                   | earings                     | 1             | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel Pi                                  | rotective Coating           | 2             | 0          | 0          | 2          | 0            | Square Feet   |
| lement<br>umber | Dofoct Typo                               | Defect Des                  | cription      |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | SURFACE CORROSION           |               |            | 2          | 1          | •            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC | CTIVE COATING |            | 3          | 2          |              | 2 Square Feet |

| Spa             | ın 2                                      | Far Bearing                     | 9            |            |            |            |              |              |
|-----------------|---|---------------------------------|--------------|------------|------------|------------|--------------|--------------|
| Oth             | er Bearing                                |                                 |              |            |            |            |              |              |
|                 | ment<br>mber                              | Element Name                    | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |              |
| 316             | Other B                                   | earings                         | 1            | 0          | 1          | 0          | 0            | Each         |
| 515             | Steel Pr                                  | otective Coating                | 2            | 0          | 0          | 2          | 0            | Square Feet  |
| Elemer<br>Numbe | Defect Type                               | Defect Desc                     | ription      |            | cs         | CS Qty     | Maint<br>Qty |              |
| 316             | Corrosion                                 | SURFACE CORROSION               |              |            | 2          | 1          |              | Each         |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTION | TIVE COATING |            | 3          | 2          | 2            | 2 Square Fee |
|                 | General Comments                          |                                 |              |            |            |            |              |              |

| Spa            | n 3                     | Deck                        |                  |            |            |            |              |             |
|----------------|-------------------------|-----------------------------|------------------|------------|------------|------------|--------------|-------------|
| Reir           | nforced Concrete        | Deck                        |                  |            |            |            |              |             |
|                | nent<br>nber            | Element Name                | Total<br>Qty     | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 12             | Reinfor                 | ced Concrete Deck           | 1,586            | 836        | 750        | 0          | 0            | Square Feet |
| lemen<br>lumbe | Dofoct Typo             | Defect De                   | scription        |            | cs         | CS Qty     | Maint<br>Qty |             |
| 12             | Cracking (RC and Other) | 750 SF. OF HAIRLINE MAP CRA | ACKING IN BOTTOM | OF         | 2          | 750        |              | Square Feet |
| -              | General Comments        |                             |                  |            |            |            |              |             |

| Spar              | າ 3                | Beam 1   |              |            |            |            |              |        |
|-------------------|--------------------|--|--------------|------------|------------|------------|--------------|--------|
| Pres              | tressed Concret    | e Girder   |              |            |            |            |              |        |
| Elem<br>Num       |                    | Element Name   | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |        |
| 109               | Prestre            | ssed Concrete Open Girder/Beam                                   | 50           | 49         | 1          | 0          | 0            | Feet   |
| Element<br>Number | Defect Type        | Defect Descript  | ion          |            | CS         | CS Qty     | Maint<br>Qty |        |
| 109               | Delamination/Spall | 4" DIAMETER X 1/2" DEEP SPALL WI<br>AT HOLD-DOWN POINT IN BOTTOM |              | PLATE      | 2          | 1          | -            | 1 Feet |
| G                 | Seneral Comments   |  |              |            |            |            |              |        |

| Spa            | ın 3               | Beam 5   |              |            |            |            |              |  |
|----------------|--------------------|--|--------------|------------|------------|------------|--------------|--|
| Pre            | stressed Concret   | e Girder   |              |            |            |            |              |  |
|                | ment<br>mber       | Element Name   | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |  |
| 109            | Prestre            | ssed Concrete Open Girder/Beam                       | 50           | 49         | 1          | 0          | 0 Feet       |  |
| lemer<br>lumbe | Defect Type        | Defect Descripti                                     | on           |            | cs         | CS Qty     | Maint<br>Qty |  |
| 109            | Delamination/Spall | DELAMINATION IN BOTTOM FLANGE<br>FT. FROM END BENT 2 | 4" DIAMETER  | AT 20      | 2          | 1          | 1 Feet       |  |

| Spa             | n 3                        | Wearing Su                    | rface          |            |            |            |              |             |
|-----------------|----------------------------|-------------------------------|----------------|------------|------------|------------|--------------|-------------|
| Asp             | halt Wearing Su            | rface                         |                |            |            |            |              |             |
| Elen<br>Nun     | nent<br>nber               | Element Name                  | Total<br>Qty   | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 510             | Wearin                     | ng Surface                    | 1,410          | 1,186      | 0          | 224        | 0 S          | quare Feet  |
| Elemen<br>Numbe | Dofoot Typo                | Defect Descri                 | ption          |            | CS         | CS Qty     | Maint<br>Qty |             |
| 510             | Crack (Wearing<br>Surface) | 200 SF. OF ALLIGATOR CRACKING | G 1/8" WIDE    |            | 3          | 200        | 200          | Square Feet |
| 510             | Crack (Wearing<br>Surface) | 24 FT. TRANSVERSE CRACK 1/8"  | WIDE AT END BE | ENT 2      | 3          | 24         | 24           | Square Feet |
| -               | General Comments           |                               |                |            |            |            |              |             |

| Span 3            |                | Left Bridg               | ge Rail      |            |            |            |              |             |
|-------------------|----------------|--------------------------|--------------|------------|------------|------------|--------------|-------------|
| Concret           | te and Metal I | Railing                  |              |            |            |            |              |             |
| Element<br>Number |                | Element Name             | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 333               | Other E        | Bridge Railing           | 51           | 31         | 20         | 0          | 0            | Feet        |
| 515               | Steel P        | Protective Coating       | 51           | 51         | 0          | 0          | 0            | Square Feet |
| lement<br>lumber  | Defect Type    | Defect De                | scription    |            | cs         | CS Qty     | Maint<br>Qty |             |
| <b>333</b> Dist   | ortion         | MULTIPLE GOUGES UP TO 8" | X 1" IN RAIL |            | 2          | 20         | -            | Feet        |

**General Comments** 

| Span              | 3<br>crete and Metal | Right Bri<br>Railing           | dge Rail             |                  |            |            |                      |
|-------------------|----------------------|--------------------------------|----------------------|------------------|------------|------------|----------------------|
| Elem<br>Num       | ber                  | Element Name<br>Bridge Railing | Total<br>Qty<br>51   | CS1<br>Qty<br>49 | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty<br>0 Feet |
| 515               |                      | rotective Coating              | 51                   | 51               | 0          | 0          | 0 Square Feet        |
| Element<br>Number | Defect Type          | Defect De                      | escription           |                  | cs         | CS Qty     | Maint<br>Qty         |
| 333               | Delamination/Spall   | 20" X 3" DELAMINATION IN RA    | IL 10 FT. FROM END E | BENT 2           | 2          | 2          | 2 Feet               |

**General Comments** 

| Spa<br>Othe        | n 3<br>er Bearing                         | Near Bear                   | ing               |                 |            |                  |              |               |
|--------------------|---|-----------------------------|-------------------|-----------------|------------|------------------|--------------|---------------|
| Elen<br>Nun<br>316 | nent<br>nber<br>Other Be                  | Element Name<br>earings     | Total<br>Qty<br>1 | CS1<br>Qty<br>0 | CS2<br>Qty | <b>CS3 Qty</b> 0 | CS4<br>Qty   |               |
| 515                | Steel Pro                                 | otective Coating            | 2                 | 0               | 0          | 2                | 0            | Square Feet   |
| lemen              | Dofoot Typo                               | Defect Des                  | cription          |                 | cs         | CS Qty           | Maint<br>Qty |               |
| 316                | Corrosion                                 | SURFACE CORROSION           |                   |                 | 2          | 1                | •            | Each          |
| 515                | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC | CTIVE COATING     |                 | 3          | 2                |              | 2 Square Feet |

| Spa             | n 3                                       | Far Bearin                           | g                 |            |            |            |              |               |
|-----------------|---|--------------------------------------|-------------------|------------|------------|------------|--------------|---------------|
| Oth             | er Bearing                                |                                      |                   |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                         | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other E                                   | Bearings                             | 1                 | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel P                                   | rotective Coating                    | 2                 | 0          | 2          | 0          | 0            | Square Feet   |
| Elemer<br>Numbe | Dofoct Typo                               | Defect Desc                          | cription          |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | FRECKLED RUST                        |                   |            | 2          | 1          | -            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVENE COATING | ESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
|                 | <b>General Comments</b>                   |                                      |                   |            |            |            |              |               |

| Spa   | an 3                                      | Near Bearin                   | g            |            |            |            |              |               |
|-------|---|-------------------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth   | er Bearing                                |                               |              |            |            |            |              |               |
|       | ment<br>mber                              | Element Name                  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316   | Other B                                   | earings                       | 1            | 0          | 1          | 0          | 0            | Each          |
| 515   | Steel Pr                                  | otective Coating              | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Eleme | Dofoot Typo                               | Defect Descri                 | ption        |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316   | Corrosion                                 | SURFACE CORROSION             |              |            | 2          | 1          | •            | Each          |
| 515   | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTI | VE COATING   |            | 3          | 2          |              | 2 Square Feet |
|       | <b>General Comments</b>                   |                               |              |            |            |            |              |               |

| Spa    | ın 3                                      | Far Bearin                              | ıg                |            |            |            |              |               |
|--------|---|---|-------------------|------------|------------|------------|--------------|---------------|
| Oth    | er Bearing                                |   |                   |            |            |            |              |               |
|        | ment<br>mber                              | Element Name                            | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316    | Other Be                                  | earings                                 | 1                 | 0          | 1          | 0          | 0            | Each          |
| 515    | Steel Pro                                 | otective Coating                        | 2                 | 0          | 2          | 0          | 0            | Square Feet   |
| Elemen | Dofoct Typo                               | Defect Des                              | cription          |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316    | Corrosion                                 | FRECKLED RUST                           |                   |            | 2          | 1          | -            | Each          |
| 515    | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVENI<br>COATING | ESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
|        | General Comments                          |   |                   |            |            |            |              |               |

| Spai              | າ 3                                       | Near Bea                   | ring           |            |            |            |              |               |
|-------------------|---|----------------------------|----------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |                            |                |            |            |            |              |               |
| Elem<br>Num       |   | Element Name               | Total<br>Qty   | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other B                                   | earings                    | 1              | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pr                                  | otective Coating           | 2              | 0          | 0          | 2          | 0            | Square Feet   |
| Element<br>Number | Dofoct Typo                               | Defect De                  | escription     |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | SURFACE CORROSION          |                |            | 2          | 1          |              | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTE | ECTIVE COATING |            | 3          | 2          |              | 2 Square Feet |

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| Spa   | an 3                                 |                         | Far Bearing           |              |            |            |            |              |               |
|-------|--------------------------------------|-------------------------|-----------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth   | ner Bearing                          |                         |                       |              |            |            |            |              |               |
|       | ement<br>mber                        | Element Na              | ıme                   | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316   | 0                                    | ther Bearings           |                       | 1            | 0          | 1          | 0          | 0            | Each          |
| 515   | Si                                   | teel Protective Coating |                       | 2            | 0          | 2          | 0          | 0            | Square Feet   |
| Eleme | Dofoot Tv                            | pe                      | Defect Description    |              |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316   | Corrosion                            | FRECKLED RI             | JST                   |              |            | 2          | 1          | -            | Each          |
| 515   | Effectiveness (S<br>Protective Coati |                         | ED EFFECTIVENESS OF F | PROTECTIVE   |            | 2          | 2          |              | 2 Square Feet |
|       | General Comme                        | ents                    |                       |              |            |            |            |              |               |

| Spa               | n 3                                       | Near Bearing                              | g               |            |            |            |              |               |
|-------------------|---|---|-----------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |   |                 |            |            |            |              |               |
| Elen<br>Num       |   | Element Name                              | Total<br>Qty    | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other B                                   | earings                                   | 1               | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pr                                  | otective Coating                          | 2               | 0          | 0          | 2          | 0            | Square Feet   |
| Element<br>Number | Dofoot Typo                               | Defect Descri                             | ption           |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | SURFACE CORROSION                         |                 |            | 2          | 1          |              | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVENES:<br>COATING | S OF PROTECTIVE |            | 3          | 2          |              | 2 Square Feet |
| (                 | General Comments                          |   |                 |            |            |            |              |               |

| Spa             | an 3                                      | Far Bear                            | ing                |            |            |            |              |               |
|-----------------|---|-------------------------------------|--------------------|------------|------------|------------|--------------|---------------|
| Oth             | er Bearing                                |                                     |                    |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                        | Total<br>Qty       | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other E                                   | Bearings                            | 1                  | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel P                                   | rotective Coating                   | 2                  | 0          | 2          | 0          | 0            | Square Feet   |
| Elemer<br>Numbe | Dofoct Typo                               | Defect De                           | escription         |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | FRECKLED RUST                       |                    |            | 2          | 1          | •            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVES COATING | NESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
|                 | <b>General Comments</b>                   |                                     |                    |            |            |            |              |               |

| Span 3            |                          | Near Bearing       |              |            |            |            |              |             |
|-------------------|--------------------------|--------------------|--------------|------------|------------|------------|--------------|-------------|
| Other B           | earing                   |                    |              |            |            |            |              |             |
| Element<br>Number | Element I                | Name               | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |             |
| 316               | Other Bearings           |                    | 1            | 0          | 1          | 0          | 0            | Each        |
| 515               | Steel Protective Coating | 9                  | 2            | 0          | 0          | 2          | 0            | Square Feet |
| lement<br>umber   | Defect Type              | Defect Description |              |            | cs         | CS Qty     | Maint<br>Qty |             |

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|-----------|---|---|---|-------|-------------------------------|
| 316       | Corrosion                                 | SURFACE CORROSION                       | 2 | 1     | Each                          |
| 515       | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTECTIVE COATING | 3 | 2     | 2 Square Feet                 |
|           | <b>General Comments</b>                   |   |   |       |                               |

| Spar              | n 3                                       | Far Beari                           | ng                 |            |            |            |              |               |
|-------------------|---|-------------------------------------|--------------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |                                     |                    |            |            |            |              |               |
| Elem<br>Num       |   | Element Name                        | Total<br>Qty       | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other Be                                  | earings                             | 1                  | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pr                                  | otective Coating                    | 2                  | 0          | 2          | 0          | 0            | Square Feet   |
| Element<br>Number | Dofoct Typo                               | Defect De                           | scription          |            | CS         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | FRECKLED RUST                       |                    |            | 2          | 1          | -            | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVEN COATING | IESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |
| (                 | General Comments                          |                                     |                    |            |            |            |              |               |

| Spa             |   | Near Beari                  | ng           |            |            |            |              |               |
|-----------------|---|-----------------------------|--------------|------------|------------|------------|--------------|---------------|
| Oth             | er Bearing                                |                             |              |            |            |            |              |               |
|                 | ment<br>mber                              | Element Name                | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316             | Other Bo                                  | earings                     | 1            | 0          | 1          | 0          | 0            | Each          |
| 515             | Steel Pr                                  | otective Coating            | 2            | 0          | 0          | 2          | 0            | Square Feet   |
| Elemen<br>Numbe | Dofoot Typo                               | Defect Desc                 | cription     |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316             | Corrosion                                 | SURFACE CORROSION           |              |            | 2          | 1          | -            | Each          |
| 515             | Effectiveness (Steel Protective Coatings) | 2 SF. OF INEFFECTIVE PROTEC | TIVE COATING |            | 3          | 2          |              | 2 Square Feet |
|                 | General Comments                          |                             |              |            |            |            |              |               |

| Spai              | n 3                                       | Far Beari                           | ng                |            |            |            |              |               |
|-------------------|---|-------------------------------------|-------------------|------------|------------|------------|--------------|---------------|
| Othe              | er Bearing                                |                                     |                   |            |            |            |              |               |
| Elem<br>Num       |   | Element Name                        | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |               |
| 316               | Other Be                                  | earings                             | 1                 | 0          | 1          | 0          | 0            | Each          |
| 515               | Steel Pro                                 | otective Coating                    | 2                 | 0          | 2          | 0          | 0            | Square Feet   |
| Element<br>Number | Dofoot Typo                               | Defect Des                          | scription         |            | cs         | CS Qty     | Maint<br>Qty |               |
| 316               | Corrosion                                 | FRECKLED RUST                       |                   |            | 2          | 1          | •            | Each          |
| 515               | Effectiveness (Steel Protective Coatings) | 2 SF. OF LIMITED EFFECTIVEN COATING | ESS OF PROTECTIVE |            | 2          | 2          |              | 2 Square Feet |

| Ben         | t 1                | Cap 1                     |                   |            |            |            |              |  |
|-------------|--------------------|---------------------------|-------------------|------------|------------|------------|--------------|--|
| Reir        | nforced Concrete   | Pier Cap                  |                   |            |            |            |              |  |
| Elen<br>Nun |                    | Element Name              | Total<br>Qty      | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |  |
| 234         | Reinfor            | ced Concrete Pier Cap     | 29                | 28         | 1          | 0          | 0 Feet       |  |
| lemen       | Dofoot Typo        | Defect Des                | cription          |            | cs         | CS Qty     | Maint<br>Qty |  |
| 234         | Delamination/Spall | SURFACE SPALL 6" DIAMETER | X 1" DEEP ON WEST | ΓEND       | 2          | 1          | 1 Feet       |  |
| -           | General Comments   |                           |                   |            |            |            |              |  |

**General Comments** 

| Pres            | stressed Concret       | e Pile  |                 |            |            |            |              |        |
|-----------------|------------------------|---|-----------------|------------|------------|------------|--------------|--------|
| Nur             | nent<br>nber           | Element Name  | Total<br>Qty    | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |        |
| 226             | Prestre                | ssed Concrete Pile                                    | 1               | 0          | 1          | 0          | 0            | Each   |
| Elemen<br>Numbe | Defeat Type            | Defect Des  | cription        |            | cs         | CS Qty     | Maint<br>Qty |        |
| 226             | Abrasion/Wear (PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | OSED COARSE     |            | 2          | 1          |              | I Each |
| 226             | Delamination/Spall     | 4" DIAMETER X 1/2" DEEP SPAL                          | L IN NORTH FACE |            | 2          |            |              | I Each |

| Ben              | t 1                    | Pile 2  |              |            |            |            |              |        |
|------------------|------------------------|---|--------------|------------|------------|------------|--------------|--------|
| Pres             | stressed Concret       | e Pile  |              |            |            |            |              |        |
| Elen<br>Num      |                        | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |        |
| 226              | Prestre                | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0            | Each   |
| lement<br>lumber | Dofoct Type            | Defect Des  | cription     |            | cs         | CS Qty     | Maint<br>Qty |        |
| 226              | Abrasion/Wear (PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          | -            | 1 Each |
| (                | General Comments       |   |              |            |            |            |              |        |

| Ben             | t 1                    | Pile 3  |              |            |            |            |              |   |
|-----------------|------------------------|---|--------------|------------|------------|------------|--------------|---|
| Pres            | stressed Concret       | e Pile  |              |            |            |            |              |   |
|                 | nent<br>nber           | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |   |
| 226             | Prestre                | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0 Each       |   |
| Elemen<br>Numbe | Dofoot Tyme            | Defect Des  | cription     |            | cs         | CS Qty     | Maint<br>Qty |   |
| 226             | Abrasion/Wear (PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          | 1 Each       | 1 |
| -               | Camanal Camananta      |   |              |            |            |            |              |   |

| Ber    | nt 1                    | Pile 4  |              |            |            |            |              |        |
|--------|-------------------------|---|--------------|------------|------------|------------|--------------|--------|
| Pre    | stressed Concret        | e Pile  |              |            |            |            |              |        |
|        | ment<br>mber            | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |        |
| 226    | Prestre                 | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0            | Each   |
| Elemer | Dofoot Typo             | Defect Desc   | cription     |            | cs         | CS Qty     | Maint<br>Qty |        |
| 226    | Abrasion/Wear (PSC/RC)  | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          |              | 1 Each |
|        | <b>General Comments</b> |   |              |            |            |            |              |        |

| Ben               | t 1                    | Pile 5  |              |            |            |            |              |      |
|-------------------|------------------------|---|--------------|------------|------------|------------|--------------|------|
| Pres              | tressed Concret        | e Pile  |              |            |            |            |              |      |
| Elen<br>Num       |                        | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |      |
| 226               | Prestre                | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0 E          | ach  |
| Element<br>Number | Dofoot Typo            | Defect Desc   | cription     |            | cs         | CS Qty     | Maint<br>Qty |      |
| 226               | Abrasion/Wear (PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          | 1            | Each |
| (                 | General Comments       |   |              |            |            |            |              |      |

| Bent               | :1                        | Pile 6  |                   |                 |            |                  |                     |      |
|--------------------|---------------------------|---|-------------------|-----------------|------------|------------------|---------------------|------|
| Pres               | tressed Concret           | e Pile  |                   |                 |            |                  |                     |      |
| Elem<br>Num<br>226 | ber                       | Element Name<br>ssed Concrete Pile                    | Total<br>Qty<br>1 | CS1<br>Qty<br>0 | CS2<br>Qty | <b>CS3 Qty</b> 0 | CS4<br>Qty<br>0 Eac | ch   |
| Element<br>Number  | Defect Type               | Defect Des  | cription          |                 | cs         | CS Qty           | Maint<br>Qty        |      |
|                    | Abrasion/Wear<br>(PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | OSED COARSE       |                 | 2          | 1                | 1 1                 | Each |
| G                  | General Comments          |   |                   |                 |            |                  |                     |      |

| End Bei           | nt 2                  | Cap 1             |              |            |            |            |              |  |
|-------------------|-----------------------|-------------------|--------------|------------|------------|------------|--------------|--|
| Reinford          | ced Concrete Pier Cap |                   |              |            |            |            |              |  |
| Element<br>Number | Elem                  | ent Name          | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |  |
| 234               | Reinforced Concre     | te Pier Cap       | 36           | 36         | 0          | 0          | 0 Feet       |  |
| Element<br>Number | Defect Type           | Defect Descriptio | n            |            | cs         | CS Qty     | Maint<br>Qty |  |

#### **General Comments**

END BENT PILES NOT VISIBLE DUE TO CONCRETE SLOPE PROTECTION

| Bent 2            |                           | Pile 1             |              |            |            |            |              |  |
|-------------------|---------------------------|--------------------|--------------|------------|------------|------------|--------------|--|
| Prestre           | ssed Concrete Pile        |                    |              |            |            |            |              |  |
| Element<br>Number | Element Name              |                    | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |  |
| 226               | Prestressed Concrete Pile |                    | 1            | 0          | 1          | 0          | 0 Each       |  |
| Element<br>Number | Defect Type               | Defect Description |              |            | cs         | CS Qty     | Maint<br>Qty |  |

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2

1 Each

Abrasion/Wear 1 FT. OF ABRASION WITH EXPOSED COARSE (PSC/RC) AGGREGATE AT WATERLINE

| Ben             | it 2                      | Pile 2  |              |            |            |            |              |      |
|-----------------|---------------------------|---|--------------|------------|------------|------------|--------------|------|
| Pres            | stressed Concret          | e Pile  |              |            |            |            |              |      |
|                 | ment<br>nber              | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |      |
| 226             | Prestre                   | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0            | Each |
| Elemen<br>Numbe | Dofoct Typo               | Defect Des  | cription     |            | cs         | CS Qty     | Maint<br>Qty |      |
| 226             | Abrasion/Wear<br>(PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          | 1            | Each |
|                 | General Comments          |   |              |            |            |            |              |      |

| Ben             | nt 2                      | Pile 3  |              |            |            |            |              |      |
|-----------------|---------------------------|---|--------------|------------|------------|------------|--------------|------|
| Pre             | stressed Concret          | e Pile  |              |            |            |            |              |      |
|                 | ment<br>nber              | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |      |
| 226             | Prestre                   | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0            | Each |
| Elemen<br>Numbe | Dofoct Typo               | Defect Des  | cription     |            | cs         | CS Qty     | Maint<br>Qty |      |
| 226             | Abrasion/Wear<br>(PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          | 1            | Each |
|                 | General Comments          |   |              |            |            |            |              |      |

| Ben         | t 2                    | Pile 4  |              |            |            |            |              |        |
|-------------|------------------------|---|--------------|------------|------------|------------|--------------|--------|
| Pres        | stressed Concret       | e Pile  |              |            |            |            |              |        |
| Elen<br>Num |                        | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |        |
| 226         | Prestre                | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0            | Each   |
| lement      | Defect Type            | Defect Des  | cription     |            | cs         | CS Qty     | Maint<br>Qty |        |
| 226         | Abrasion/Wear (PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | SED COARSE   |            | 2          | 1          | -            | 1 Each |
| (           | General Comments       |   |              |            |            |            |              |        |

| Bent 2          |                          | Pile 5  |   |            |            |            |              |      |
|-----------------|--------------------------|---|---|------------|------------|------------|--------------|------|
| Presti          | ressed Concret           | e Pile  |   |            |            |            |              |      |
| Eleme<br>Numb   | er                       | Element Name  | Total<br>Qty                              | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |      |
| 226             | Prestre                  | ssed Concrete Pile                                    | 1   | 0          | 1          | 0          | 0 1          | Each |
| lement<br>umber | Defect Type              | Defect Des  | cription                                  |            | cs         | CS Qty     | Maint<br>Qty |      |
|                 | Abrasion/Wear<br>PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE | ASION WITH EXPOSED COARSE<br>AT WATERLINE |            | 2          | 1          | 1            | Each |
| Ge              | eneral Comments          |   |   |            |            |            |              |      |

| Bent 2          |                           | Pile 6  |              |            |            |            |              |        |
|-----------------|---------------------------|---|--------------|------------|------------|------------|--------------|--------|
| Pres            | stressed Concret          | e Pile  |              |            |            |            |              |        |
|                 | nent<br>nber              | Element Name  | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |        |
| 226             | Prestre                   | ssed Concrete Pile                                    | 1            | 0          | 1          | 0          | 0            | Each   |
| Elemen<br>Numbe | Dofoct Type               | Defect Desc   | cription     |            | cs         | CS Qty     | Maint<br>Qty |        |
| 226             | Abrasion/Wear<br>(PSC/RC) | 1 FT. OF ABRASION WITH EXPO<br>AGGREGATE AT WATERLINE |              |            | 2          | 1          | •            | 1 Each |
| •               | General Comments          |   |              |            |            |            |              |        |

|  | Bent 2           | Abutment              |              |            |            |            |              |      |
|--|------------------|-----------------------|--------------|------------|------------|------------|--------------|------|
| Elei   | ment<br>nber     | Element Name          | Total<br>Qty | CS1<br>Qty | CS2<br>Qty | CS3<br>Qty | CS4<br>Qty   |      |
| 215  | Reinfor          | ced Concrete Abutment | 36           | 33         | 3          | 0          | 0            | Feet |
| <br>Elemen<br>Numbe  | Defect Type      | Defect Des            | cription     |            | cs         | CS Qty     | Maint<br>Qty |      |
| 215 Cracking (RC and 6 SF. OF HAIRLINE MAP CRACKING A Other) |                  | ING AT EAST END       |              | 2          | 3          |            | Feet         |      |
| •  | General Comments |                       |              |            |            |            |              |      |

### **Elements Verfied**

| Location | Name              | Component                   | Element Name                          | Amount |
|----------|-------------------|-----------------------------|---------------------------------------|--------|
| Span 1   | Deck              | Reinforced Concrete Deck    | Reinforced Concrete Deck              | 1586   |
| Span 1   | Beam 1            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 1   | Beam 2            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 1   | Beam 3            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 1   | Beam 4            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 1   | Beam 5            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 1   | Beam 6            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 1   | Left Bridge Rail  | Concrete and Metal Railing  | Other Bridge Railing                  | 51     |
| Span 1   | Right Bridge Rail | Concrete and Metal Railing  | Other Bridge Railing                  | 51     |
| Span 1   | Wearing Surface   | Asphalt Wearing Surface     | Wearing Surface                       | 1410   |
| Span 1   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 1   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Deck              | Reinforced Concrete Deck    | Reinforced Concrete Deck              | 1575   |
| Span 2   | Beam 1            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 2   | Beam 2            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 2   | Beam 3            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 2   | Beam 4            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 2   | Beam 5            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 2   | Beam 6            | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 50     |
| Span 2   | Left Bridge Rail  | Concrete and Metal Railing  | Other Bridge Railing                  | 50     |
| Span 2   | Right Bridge Rail | Concrete and Metal Railing  | Other Bridge Railing                  | 50     |
| Span 2   | Expansion Joint   | Standard Joint              | Pourable Joint Seal                   | 32     |
| Span 2   | Wearing Surface   | Asphalt Wearing Surface     | Wearing Surface                       | 1400   |
| Span 2   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Near Bearing      | Other Bearing               | Other Bearings                        | 1      |
| Span 2   | Far Bearing       | Other Bearing               | Other Bearings                        | 1      |

### **Elements Verfied**

| Location   | Name              | Component                    | Element Name                          | Amount |
|------------|-------------------|------------------------------|---------------------------------------|--------|
| Span 3     | Deck              | Reinforced Concrete Deck     | Reinforced Concrete Deck              | 1586   |
| Span 3     | Beam 1            | Prestressed Concrete Girder  | Prestressed Concrete Open Girder/Beam | 50     |
| Span 3     | Beam 2            | Prestressed Concrete Girder  | Prestressed Concrete Open Girder/Beam | 50     |
| Span 3     | Beam 3            | Prestressed Concrete Girder  | Prestressed Concrete Open Girder/Beam | 50     |
| Span 3     | Beam 4            | Prestressed Concrete Girder  | Prestressed Concrete Open Girder/Beam | 50     |
| Span 3     | Beam 5            | Prestressed Concrete Girder  | Prestressed Concrete Open Girder/Beam | 50     |
| Span 3     | Beam 6            | Prestressed Concrete Girder  | Prestressed Concrete Open Girder/Beam | 50     |
| Span 3     | Left Bridge Rail  | Concrete and Metal Railing   | Other Bridge Railing                  | 51     |
| Span 3     | Right Bridge Rail | Concrete and Metal Railing   | Other Bridge Railing                  | 51     |
| Span 3     | Expansion Joint   | Standard Joint               | Pourable Joint Seal                   | 32     |
| Span 3     | Wearing Surface   | Asphalt Wearing Surface      | Wearing Surface                       | 1410   |
| Span 3     | Near Bearing      | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Far Bearing       | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Near Bearing      | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Far Bearing       | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Near Bearing      | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Far Bearing       | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Near Bearing      | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Far Bearing       | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Near Bearing      | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Far Bearing       | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Near Bearing      | Other Bearing                | Other Bearings                        | 1      |
| Span 3     | Far Bearing       | Other Bearing                | Other Bearings                        | 1      |
| Bent 1     | Cap 1             | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap          | 29     |
| Bent 1     | Pile 1            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 1     | Pile 2            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 1     | Pile 3            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 1     | Pile 4            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 1     | Pile 5            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 1     | Pile 6            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| End Bent 1 | Cap 1             | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap          | 36     |
| End Bent 1 | Abutment          | Reinforced Concrete Abutment | Reinforced Concrete Abutment          | 36     |
| Bent 2     | Cap 1             | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap          | 29     |
| Bent 2     | Pile 1            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 2     | Pile 2            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 2     | Pile 3            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 2     | Pile 4            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 2     | Pile 5            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| Bent 2     | Pile 6            | Prestressed Concrete Pile    | Prestressed Concrete Pile             | 1      |
| End Bent 2 | Cap 1             | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap          | 36     |
| End Bent 2 | Abutment          | Reinforced Concrete Abutment | Reinforced Concrete Abutment          | 36     |

# **General Inspection Notes**

Bent 2 Cap 1

END BENT PILES NOT VISIBLE DUE TO CONCRETE SLOPE PROTECTION

# **National Bridge and NC Inspection Items**

Structure Number: 770158 Inspection Date: 04/29/2019

#### **National Bridge Inventory Items**

| Item                                    | Grade Scale | Grade |
|---|-------------|-------|
| Item 58: Deck                           | 0 - 9 , N   | 7     |
| Item 59: Superstructure                 | 0 - 9 , N   | 6     |
| Item 60: Substructure                   | 0 - 9 , N   | 7     |
| Item 61: Channel and Channel Protection | 0 - 9 , N   | 7     |
| Item 62: Culvert                        | 0 - 9 , N   | N     |
| Item 71: Waterway Adequacy              | 0 - 9 , N   | 7     |
| Item 72: Approach Roadway Alignment     | 0 - 9 , N   | 8     |

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

#### **NC SMU Inspection Items**

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

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

#### **Inspection Information**

| Item                                   | Grade Scale | Grade |
|--|-------------|-------|
| Sign Noticed Issued                    | YES/NO      | N     |
| Priority Maintenance Request Submitted | YES/NO      | N     |
| Inspection Time                        | Hours       | 4     |
| Traffic Control Time                   | Hours       |       |
| Snooper Time                           | Hours       |       |
| Ladder Used                            | YES/NO      | N     |
| Bucket Truck Used                      | YES/NO      | N     |
| Boat Used                              | YES/NO      | N     |
| Other Equipment Used                   | YES/NO      | Υ     |

# National Bridge and NC SMU Inspection Item Details

Structure Number: 770158 Inspection Date: 04/29/2019

 Item
 Other Equipment Used
 Grade
 Y
 Maint Code
 Qty.
 0

 Details
 BOOTS

 Item
 General Comments and Misc Items
 Grade
 Maint Code
 Qty.
 0

Details DAMAGED APPROACH GUARDRAIL AT NORTHWEST CORNER 20 FT.



Bent 1 Cap 1: SURFACE SPALL 6" DIAMETER X 1" DEEP ON WEST END



Span 1 Beam 1 Far Bearing: RUST AND FLAKING WITH NO SECTION LOSS



Span 1 Beam 2 Far Bearing: RUST WITH FLAKING, NO SECTION LOSS



Span 1 Beam 3 Far Bearing: RUST WITH FLAKING, NO SECTION LOSS



Span 1 Beam 4: SURFACE SPALL 4" DIAMETER X 1/2" DEEP IN BOTTOM FLANGE AT 20 FT. FROM END BENT 1 CAP



Span 1 Left Bridge Rail: MULTIPLE GOUGES UP TO 3" X 1" IN RAIL



Span 2 Left Bridge Rail: MULTIPLE GOUGES UP TO 3" X 1" IN RAIL



Span 3 Left Bridge Rail: MULTIPLE GOUGES UP TO 8" X 1" IN RAIL



DAMAGED APPROACH GUARDRAIL AT NORTHWEST CORNER 20 FT.



End Bent 2 Abutment/Backwall : 6 SF. OF HAIRLINE MAP CRACKING AT EAST END



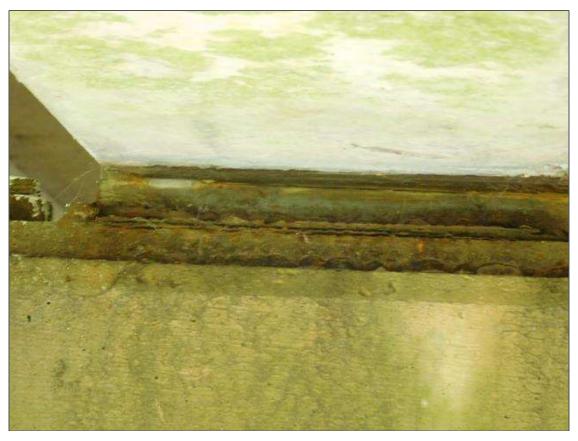
Span 3 Beam 1 Near Bearing: SURFACE CORROSION



Span 3 Beam 2 Near Bearing: SURFACE CORROSION



Span 3 Beam 4 Near Bearing: SURFACE CORROSION



Span 3 Beam 5 Near Bearing: SURFACE CORROSION



Span 3 Beam 6 Near Bearing: SURFACE CORROSION



Span 3 Beam 5: DELAMINATION IN BOTTOM FLANGE 4" DIAMETER AT 20 FT. FROM END BENT 2



Span 3 Beam 1: 4" DIAMETER X 1/2" DEEP SPALL WITH EXPOSED PLATE AT HOLD-DOWN POINT IN BOTTOM FLANGE



**UPSTREAM WEST** 



EAST END OF BENT 1 CAP, SIMPLE SPANS



EAST PROFILE



BENT 1



END BENT 1



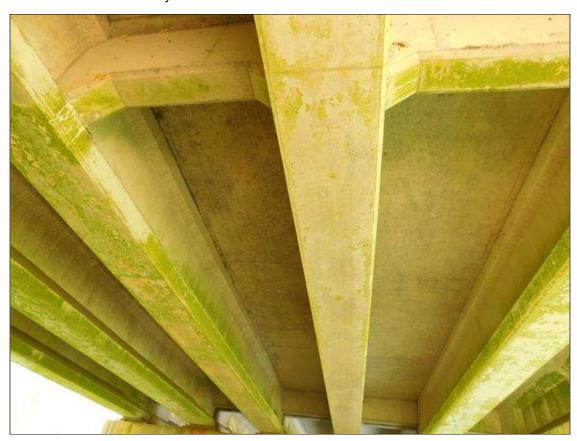
WEST PROFILE



DOWNSTREAM EAST



BENT 2



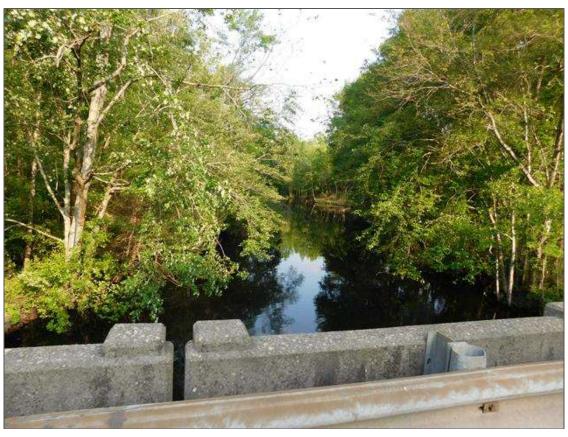
SUPERSTRUCTURE



LOOKING NORTH, SOUTHBOUND LANE



BENT 1 JOINT, SIMILAR AT BENT 2



**UPSTREAM WEST** 



DOWNSTREAM EAST



LOOKING SOUTH, OFF BRIDGE



LOOKING NORTH, OFF BRIDGE



LOOKING SOUTH



GUARDRAIL POST SPACING AT MIDPORTION



END BENT 2



GUARDRAIL END TERMINAL

# Stream Bed Soundings (Profile diagram on following sheet)

County ROBESON Inspection Date 04/29/2019 Structure Number: 770158

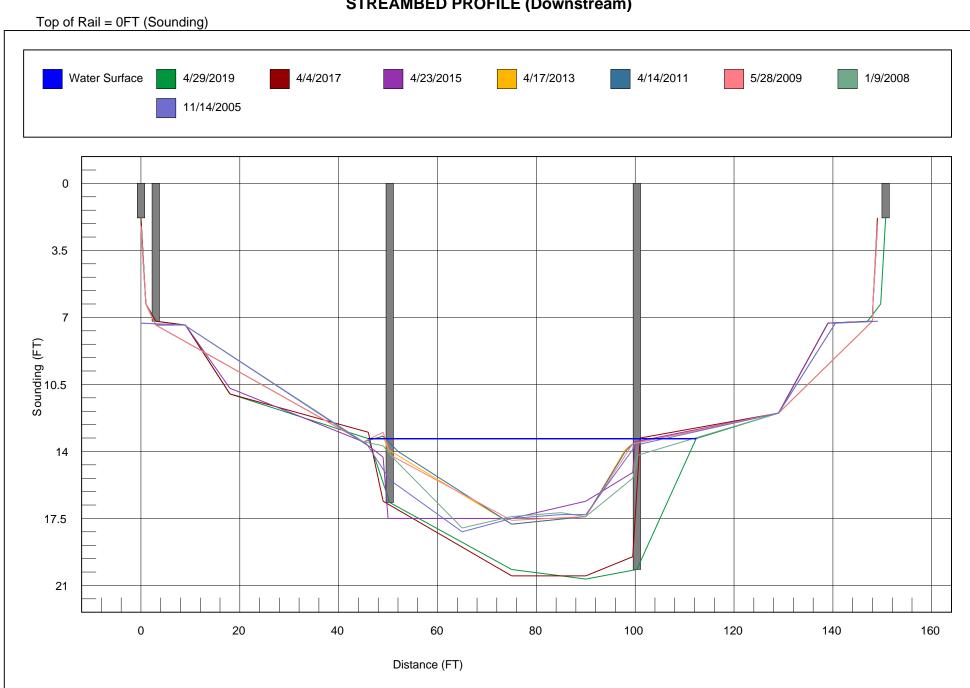
Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance 5 Location of Highwater Mark ON BEAMS

| Distance (Station) ft. | Downstream Sounding ft. | Upstream Sounding ft. | Description                                |
|------------------------|-------------------------|-----------------------|--|
| 0.000                  | 1.800                   | 0.000                 | TOP OF ABUTMENT 1                          |
| 1.000                  | 6.300                   | 0.000                 | TOP OF CAP                                 |
| 3.000                  | 7.200                   | 7.400                 | END BENT 1 TOP OF SLOPE BERM , FACE OF CAP |
| 9.000                  | 7.400                   | 0.000                 |  |
| 18.000                 | 11.000                  | 0.000                 |  |
| 46.000                 | 13.330                  | 0.000                 | WSWE ( EAST )                              |
| 50.333                 | 16.667                  | 14.083                | BENT 1                                     |
| 75.000                 | 20.167                  | 0.000                 |  |
| 90.000                 | 20.667                  | 0.000                 |  |
| 100.333                | 20.167                  | 19.417                | BENT 2                                     |
| 112.333                | 13.330                  | 0.000                 | WSWE                                       |
| 129.000                | 12.000                  | 0.000                 |  |
| 139.000                | 7.300                   | 0.000                 |  |
| 147.000                | 7.200                   | 7.300                 | TOP OF SLOPE CAP FACE                      |
| 149.667                | 6.300                   | 0.000                 | TOP OF CAP                                 |
| 150.667                | 1.800                   | 0.000                 | TOP OF ABUTMENT 2                          |

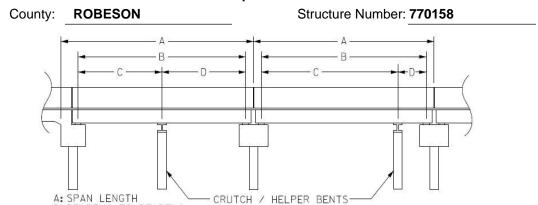
Bridge: 770158 County: ROBESON Date: 04/29/2019

### **STREAMBED PROFILE (Downstream)**



### **Structure Data Worksheet**

### **Span Profile**



A: SPAN LENGTH
B: BEARING TO BEARING
C: DISTANCE FROM NEAR BEARING
D: DISTANCE TO FAR BEARING

| Span<br>Number | Span<br>Length | Bearing to<br>Bearing | Crutch/ Helper<br>Bent | Distance to<br>Near Bearing | Distance to<br>Far Bearing |
|----------------|----------------|-----------------------|------------------------|-----------------------------|----------------------------|
| 1              | 50.333         | 47.167                |                        |                             |                            |
| 2              | 50.000         | 48.833                |                        |                             |                            |
| 3              | 50.333         | 47.167                |                        |                             |                            |

#### NATIONAL BRIDGE INVENTORY------ STRUCTURE INVENTORY AND APPRAISAL Run Date: 09/17/2019

| IDENTIFICATION -   |               |  |            |
|--|---------------|--|------------|
| (1) STATE NAME -NORTH CAROLINA BRIDGE                    | 770158        | SUFFICIENCY RATING =                                       | 76.59      |
| (8) STRUCTURE NUMBER(FEDERAL) 000                        | 0000001550158 | STATUS = Functionally Obsolete                             |            |
| (5) INVENTORY ROUTE (ON/UNDER) - ON                      | 11000950      |  |            |
| (2) STATE HIGHWAY DEPARTMENT DISTRICT                    | 1             |  | — CODE     |
| (3) COUNTY CODE 155 (4) PLACE CODE                       | 0             | (112)NBIS BRIDGE SYSTEM -                                  | YES        |
| (6) FEATURE INTERSECTED - BIG MARSH SWAMP                |               | (104)HIGHWAY SYSTEM Is on the NHS                          | 1          |
| (7) FACILITY CARRIED 195 SBL                             |               | (26) FUNCTIONAL CLASS - Arterial - Interstate              | 01         |
| (9) LOCATION 0.6 MI.S. OFJCT.NC20                        |               | (100)STRAHNET HIGHWAY - Interstate STRAHNET Route          | 1          |
| (11)MILEPOINT  | 30.7          | (101)PARALLEL STRUCTURE - Left Parallel Structure          | l          |
| (16)LAT 34° 48' 11.23" (17)LONG 78° 59' 2                | 3.34"         | (102)DIRECTION OF TRAFFIC - 1-way Traffic                  | 1          |
| (98)BORDER BRIDGE STATE CODE PCT SHA                     | ARE           | (103)TEMPORARY STRUCTURE -                                 |            |
| (99)BORDER BRIDGE STRUCTURE NO                           |               | (110)DESIGNATED NATIONAL NETWORK - On the National Network | 1          |
|  |               | (20) TOLL On Free Road                                     | 3          |
| STRUCTURE TYPE AND MATERIAL —                            |               | (31) MAINTAIN - State Highway Agency                       | 01         |
| (43) STRUCTURE TYPE MAIN: Prestressed Concrete           |               | (22) OWNER - State Highway Agency                          | 01         |
| TYPE - Stringer Mutlibeam or Girder                      | CODE 502      | (37) HISTORICAL SIGNIFICANCE - Not Eligible                | 5          |
| (44) STRUCTURE TYPE APPR :                               |               | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                    |            |
| TYPE -   | CODE 000      | — CONDITION —  | — CODE     |
| (45) NUMBER OF SPANS IN MAIN UNIT                        | 3             | (58) DECK  | CODE       |
| (46) NUMBER OF APPROACH SPANS                            | · ·           | (59) SUPERSTRUCTURE  |            |
| (107)DECK STRUCTURE TYPE - 1                             | CODE          | (60) SUBSTRUCTURE  | 7          |
| (108)WEARING SURFACE / PROTECTIVE SYSTEM:                | OODL          | (61) CHANNEL & CHANNEL PROTECTION                          | 7          |
| (A) TYPE OF WEARING SURFACE - Bituminous                 | CODE 6        | (62) CULVERTS  | ,          |
| (B) TYPE OF MEMBRANE - None                              | CODE 0        | •  |            |
| (C) TYPE OF DECK PROTECTION - None                       | CODE 0        | LOAD RATING AND POSTING                                    |            |
| (C) THE OF DECK PROTECTION - Notice                      | CODE 0        | (31) DESIGN LOAD HS 20 + MOD                               | 6          |
| ACE AND SERVICE  |               | (63) OPERATING RATING METHOD - Load Factor                 | 1          |
| AGE AND SERVICE (27) YEAR BUILT                          | 1959          | (64) OPERATING RATING - HS-55                              | 99         |
|  | 1959          | (65) INVENTORY RATING METHOD - Load Factor                 | 1          |
| (106)YEAR RECONSTRUCTED                                  |               | (66) INVENTORY RATING - HS-33                              | 60         |
| (42) TYPE OF SERVICE : ON - Highway                      | 0005 45       | (70) BRIDGE POSTING - No Posting Required                  | 5          |
| UNDER - Waterway   | CODE 15       | (41) STRUCTURE OPEN, POSTED ,OR CLOSED                     | A          |
| (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE               | 0             | DESCRIPTION - Open, No Restriction                         |            |
| (29) AVERAGE DAILY TRAFFIC                               | 25000         | APPRAISAL  | — CODE     |
| (30) YEAR OF ADT 2017 (109) TRUCK ADT PCT                | 23%           | (67) STRUCTURAL EVALUATION                                 | 6          |
| (19) BYPASS OR DETOUR LENGTH                             | 1 MI          | (68) DECK GEOMETRY   | 2          |
| GEOMETRIC DATA   |               | (69) UNDERCLEARANCES, VERTI & HORIZ                        | ١          |
| (48) LENGTH OF MAXIMUM SPAN                              | 49 FT         | (71) WATERWAY ADEQUACY                                     | 7          |
| (49) STRUCTURE LENGTH                                    | 151 FT        | (72) APPROACH ROADWAY ALIGNMENT                            | 8          |
| (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT                    | 0 FT          | (36) TRAFFIC SAFETY FEATURES                               | 1111       |
| (51) BRIDGE ROADWAY WIDTH CURB TO CURB                   | 28 FT         | (113)SCOUR CRITICAL BRIDGES                                | 3          |
| (52) DECK WIDTH OUT TO OUT                               | 33.5 FT       | PROPOSED IMPROVEMENTS —                                    |            |
| (32) APPROACH ROADWAY WIDTH (W/SHOULDERS)                | 28 FT         | (75) TYPE OF WORK - COD                                    | E          |
| (33) BRIDGE MEDIAN - Open Median                         | CODE 1        | (76) LENGTH OF STRUCTURE IMPROVEMENT                       |            |
| (34) SKEW 0° (35) STRUCTURE FLARED                       | 0             | (94) BRIDGE IMPROVEMENT COST                               |            |
| (10) INVENTORY ROUTE MIN VERT CLEAR                      | 999.9 FT      | (95) ROADWAY IMPROVEMENT COST                              |            |
| (47) INVENTORY ROUTE TOTAL HORIZ CLEAR                   | 28 FT         | (96) TOTAL PROJECT COST                                    |            |
| (53) MIN VERT CLEAR OVER BRIDGE RDWY                     | 999.9 FT      | (97) YEAR OF IMPROVEMENT COST ESTIMATE                     |            |
| (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad   | 0 FT          | (114)FUTURE ADT 50000 (115) YEAR FUTURE ADT                | 2025       |
| (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad | 000 FT        | • • •  |            |
| (56) MIN LAT UNDERCLEAR LT REF -                         | 000 FT        |  |            |
|  |               | (90) INSPECTION DATE                                       | 04/29/2019 |
| NAVIGATION DATA  |               | (92) CRITICAL FEATURE INSPECTION: (93) CFI DA              | TE         |
| (38) NAVIGATION CONTROL - No Navigational Control        | CODE 0        | A) FRACTURE CRIT DETAIL - NO A)                            |            |
| (111)PIER PROTECTION -                                   | CODE          | B) UNDERWATER INSP - NO B)                                 |            |
| (39) NAVIGATION VERTICAL CLEARANCE                       | 0             | C) OTHER SPECIAL INSP NO C)                                |            |
| (440) (EDT. LIET DDIDGE NAVAMBLY (EDT. OLEAD             |               |  |            |
| (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR               | FT            | SCOUR  |            |

#### **BRIDGE MANAGEMENT UNIT**

DATA ON EXISTING STRUCTURE

Run Date: 09/17/2019

COUNTY: DIVISION: DISTRICT: STRUCTURE NUMBER: LENGTH:
ROBESON 6 1 770158 151 FEET

ROUTE CARRIED : FEATURE INTERSECTED :

I95 SBL BIG MARSH SWAMP

LOCATED : BRIDGE NAME :

0.6 MI.S. OFJCT.NC20 CITY:

FUNC. CLASS: SYST.ON: SYST.UNDER: ADT & YR: RAIL TYPE:

01 FA NFA 25000 2017 LT 333 RT 333

BUILT: BY: PROJ: FED.AID PROJ: DESIGN LOAD:

1959 SHC 8.13972 HS 20 + MOD

REHAB: BY: PROJ: ALIGNMENT: SKEW: LANES:

DBM TAN 90 ON 2 UNDER 0

NAVIGATION: HT. CRN. TO BED: WATER DEPTH:

VC 0 FT HC 0 FT 18 FT 8 FT

SUPERSTRUCTURE: RC FLOOR/PPC GIRDERS

SUBSTRUCTURE: E.BTS&INT.BTS:RC CAPS/PPC PILES

SPANS: 1@50'4";1@50';1@50'4"

BEAMS OR GIRDERS: 6 LINES 18"X35" PPC GIRDERS @ 5' CENTERS

FLOOR: ENCROACHMENT: DECK (OUT TO OUT):

7 RC/3"AWS 33.5 FT

CLEAR ROADWAY: BETWEEN RAILS: SIDEWALK OR CURB:

VERT.CL.OVER:

999.9 FT

INV.RTG.: OPE.RTG.: CONTR.MEMBER: POSTED:

HS-33 HS-55 PS Gdr SV TTST DATE

SYSTEM: GREEN LINE ROUTE:

Primary Interstate Y

UNDER ROUTES AND CLEARANCES

REMARKS:

### **Bridge Inspection Field Sketch**

#### I-95 SBL

### MEASURED AT 10 FT. NORTH OF STRUCTURE

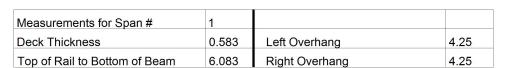
| Roadway         | 24ft Wide     | 2 Paved Lanes | Looking South |
|-----------------|---------------|---------------|---------------|
| Left Shoulder   | 2ft Wide      | 2ft Paved     |               |
| Right Shoulder  | 2ft Wide      | 2ft Paved     |               |
| Left Guardrail  | 2ft from road |               |               |
| Right Guardrail | 2ft from road |               |               |

MEASUREMENTS UPDATED 4/3/2017 BY MJM MEASUREMENTS VERIFIED BY RLK 4/29/19

| Title             |               |        | Description      |                         |  |  |  |
|-------------------|---------------|--------|------------------|-------------------------|--|--|--|
| APPROACH ROADWAY  |               | LOOKIN | NG SOUTH         |                         |  |  |  |
| Bridge No: 770158 | Drawn By: RLK |        | Date: 04/14/2011 | File Name: \$0098000571 |  |  |  |
|                   |               |        |                  |                         |  |  |  |

### **Bridge Inspection Field Sketch**

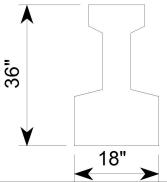
| Deck Width/Out to Out          | Betwee | Between Rails |            |       |         |  |
|--------------------------------|--------|---------------|------------|-------|---------|--|
| Clear Roadway                  | 28ft   | Wearir        | ng Surface |       | 0.25ft  |  |
| Median Width                   |        | Mediar        | n Height   |       |         |  |
| Curb Height                    |        | Left          | 0.583ft    | Right | 0.583ft |  |
| Sidewalk Width                 |        | Left          |            | Right |         |  |
| Clear Roadway (Rail to Median  | )      | Left          |            | Right |         |  |
| Guardrail Width                |        | Left          | 2.75ft     | Right | 2.75ft  |  |
| Top of Rail to Deck/Wearing Su | rface  | Left          | 2.333ft    | Right | 2.333ft |  |
| Bridge Rail                    |        | Left          | Type 33    | Right | Type 33 |  |



| Beam Number | Beam Type  | Spacing | Comments |
|-------------|------------|---------|----------|
| 1           | PPC Girder | 5ft     |          |
| 2           | PPC Girder | 5ft     |          |
| 3           | PPC Girder | 5ft     |          |
| 4           | PPC Girder | 5ft     |          |
| 5           | PPC Girder | 5ft     |          |
| 6           | PPC Girder | ft      |          |

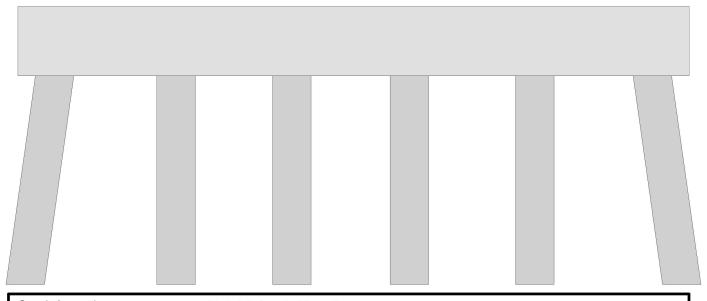
MEASUREMENTS VERIFIED 4/4/2017 BY MJM MEASUREMENTS VERIFIED BY SFS 4/29/19

### SIMILAR GIRDER



| Title             |               | Descri | ption                     | ,                       |
|-------------------|---------------|--------|---------------------------|-------------------------|
| Superstructure    |               | Span 1 |                           |                         |
| Bridge No: 770158 | Drawn By: RDW |        | Date: <sub>12/17/07</sub> | File Name: \$0098000572 |
|                   |               |        |                           | '                       |

## **Bridge Inspection Field Sketch**



| Cap Infor                            | rmation    |          | Material   | Cast-in- | Place Concre | ete    |         |             |            |                        |           |          |
|--------------------------------------|------------|----------|------------|----------|--------------|--------|---------|-------------|------------|------------------------|-----------|----------|
| Length                               | Width      | Height   | Left Over  | hang     | Right Overh  | nang   | Left Be | eam to Er   | nd of Cap. | Right Beam to End of C |           | d of Cap |
| 29.000 ft.                           | 3 ft.      | 3 ft.    | 1.583      | ft.      | 1.583 ft.    |        | 2.0     | 000 ft.     |            | 2                      | 2.000 ft. |          |
| Subcap I                             | nformation |          | Material   |          |              |        |         |             |            |                        |           |          |
| Length                               | Width      | Height   | Left Over  | hang     | Right Overh  | nang   | Left Pi | le to Splid | ce.        |                        |           |          |
| Sill Information Material            |            |          |            |          |              |        |         |             |            |                        |           |          |
| Length                               | Width      | Height   |            |          |              |        |         |             |            |                        |           |          |
| Pile# N                              | Material   | Spacing  | Width/Dia. | Height   | Length       | Orien  | tation  | Driven?     | Replacem   | nent?                  | Removed?  | Collar?  |
| 1 (                                  | Concrete   | 5.25 ft. | 1.66 ft.   |          |              | Batte  | red     | Yes         | No         |                        | No        | No       |
| 2 (                                  | Concrete   | 5.00 ft. | 1.66 ft.   |          |              | Vertic | cal     | Yes         | No         |                        | No        | No       |
| 3 (                                  | Concrete   | 5.08 ft. | 1.66 ft.   |          |              | Verti  | cal     | Yes         | No         |                        | No        | No       |
| 4 (                                  | Concrete   | 5.42 ft. | 1.66 ft.   |          |              | Vertic | cal     | Yes         | No         |                        | No        | No       |
| 5 (                                  | Concrete   | 5.08 ft. | 1.66 ft.   |          |              | Vertic | cal     | Yes         | No         |                        | No        | No       |
| 6 (                                  | Concrete   |          | 1.66 ft.   |          |              | Batte  | red     | Yes         | No         |                        | No        | No       |
| MEASUREMENTS VERIFIED BY SFS 4/29/19 |            |          |            |          |              |        |         |             |            |                        |           |          |

| Title    | MEASUREMENTS UPDATED 4/4/2017 BY MJM |             |        | Description               |                         |  |  |  |
|----------|--------------------------------------|-------------|--------|---------------------------|-------------------------|--|--|--|
| Substr   | Substructure                         |             | Bent 1 |                           |                         |  |  |  |
| Bridge N | lo: 770158                           | awn By: RDW |        | Date: <sub>12/17/07</sub> | File Name: \$0098000573 |  |  |  |
|          |                                      |             |        |                           |                         |  |  |  |