



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **PM ISSUED FOR CAPS, GIRDERS AND COL.**

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: DUPLIN STRUCTURE NUMBER: 300016 FREQUENCY: 24 MONTHS

FACILITY CARRIED: US117 NBL MILE POST: _____

LOCATION: 0.1MI.N.JCT.SR1320

FEATURE INTERSECTED: CSX RAILROAD

LATITUDE: 35° 8' 58.65" LONGITUDE: 78° 6' 32.65"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE: E.BTS:RC SPILL THRU;BTS:RCP&B

SPANS: 5@42'-6

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

PRESENT CONDITION: Poor INSPECTION DATE: 11/17/2015

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



LOOKING NORTH

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

| | | |
|-------------------------|------------------------------|-----------------------------|
| INSPECTED BY TS EARP | SIGNATURE <i>T S Earp</i> | ASSISTED BY R D WILLIAMS |
|-------------------------|------------------------------|-----------------------------|

Span Element Report

Structure Number: 300016

Inspection Date: 11/17/2015

Span Number 1

Span Length 40.92 Feet

Number of Beams/Girders: 4

| Element Number | Parent Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code |
|----------------|---------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|
| 12 | | Reinforced Concrete Deck | 1,114 | 1,114 | 0 | 0 | 0 | 0 | 3326 |
| 110 | | Reinforced Concrete Open Girder/Bear | 164 | 141 | 14 | 9 | 0 | 23 | 3306 |
| 205 | | Reinforced Concrete Column | 3 | 3 | 0 | 0 | 0 | 0 | 3348 |
| 234 | | Reinforced Concrete Pier Cap | 45 | 0 | 45 | 0 | 0 | 45 | 3348 |
| 316 | | Other Bearings | 8 | 8 | 0 | 0 | 0 | 0 | 3334 |
| 331 | | Reinforced Concrete Bridge Railing | 82 | 68 | 14 | 0 | 0 | 14 | 3318 |
| 510 | | Wearing Surface | 1,105 | 1,063 | 42 | 0 | 0 | 42 | 2816 |

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2

Span Length 40.92 Feet

Number of Beams/Girders: 4

| Element Number | Parent Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code |
|----------------|---------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|
| 12 | | Reinforced Concrete Deck | 1,114 | 1,070 | 44 | 0 | 0 | 44 | 3326 |
| 110 | | Reinforced Concrete Open Girder/Bear | 164 | 95 | 54 | 2 | 13 | 69 | 3306 |
| 205 | | Reinforced Concrete Column | 3 | 0 | 2 | 1 | 0 | 3 | 3348 |
| 234 | | Reinforced Concrete Pier Cap | 45 | 0 | 20 | 21 | 4 | 45 | 3348 |
| 301 | | Pourable Joint Seal | 42 | 0 | 42 | 0 | 0 | 42 | 3310 |
| 316 | | Other Bearings | 8 | 8 | 0 | 0 | 0 | 0 | 3334 |
| 331 | | Reinforced Concrete Bridge Railing | 82 | 0 | 82 | 0 | 0 | 82 | 3318 |
| 510 | | Wearing Surface | 1,105 | 1,063 | 42 | 0 | 0 | 42 | 2816 |

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 3

Span Length 40.92 Feet

Number of Beams/Girders: 4

| Element Number | Parent Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code |
|----------------|---------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|
| 12 | | Reinforced Concrete Deck | 1,114 | 1,114 | 0 | 0 | 0 | 0 | 3326 |
| 110 | | Reinforced Concrete Open Girder/Bear | 164 | 163 | 0 | 1 | 0 | 1 | 3306 |
| 205 | | Reinforced Concrete Column | 3 | 0 | 2 | 0 | 1 | 3 | 3348 |
| 234 | | Reinforced Concrete Pier Cap | 45 | 26 | 13 | 0 | 6 | 19 | 3348 |
| 301 | | Pourable Joint Seal | 42 | 0 | 42 | 0 | 0 | 42 | 3310 |
| 316 | | Other Bearings | 8 | 8 | 0 | 0 | 0 | 0 | 3334 |
| 331 | | Reinforced Concrete Bridge Railing | 82 | 0 | 82 | 0 | 0 | 82 | 3318 |
| 510 | | Wearing Surface | 1,105 | 1,063 | 42 | 0 | 0 | 42 | 2816 |

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 4

Span Length 40.92 Feet

Number of Beams/Girders: 4

| Element Number | Parent Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code |
|----------------|---------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|
| 12 | | Reinforced Concrete Deck | 1,114 | 897 | 217 | 0 | 0 | 217 | 3326 |
| 110 | | Reinforced Concrete Open Girder/Bear | 164 | 88 | 76 | 0 | 0 | 76 | 3306 |
| 205 | | Reinforced Concrete Column | 3 | 0 | 3 | 0 | 0 | 3 | 3348 |
| 234 | | Reinforced Concrete Pier Cap | 45 | 0 | 12 | 21 | 12 | 45 | 3348 |

Structure Number: 300016

Inspection Date: 11/17/2015

| | | | | | | | | | |
|-----|--|------------------------------------|-------|-------|----|---|----|----|------|
| 301 | | Pourable Joint Seal | 42 | 0 | 7 | 0 | 35 | 42 | 3310 |
| 316 | | Other Bearings | 8 | 8 | 0 | 0 | 0 | 0 | 3334 |
| 331 | | Reinforced Concrete Bridge Railing | 82 | 0 | 82 | 0 | 0 | 82 | 3318 |
| 510 | | Wearing Surface | 1,105 | 1,063 | 42 | 0 | 0 | 42 | 2816 |

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 5

Span Length 40.92 Feet

Number of Beams/Girders: 4

| Element Number | Parent Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code |
|----------------|---------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|
| 12 | | Reinforced Concrete Deck | 1,114 | 1,112 | 2 | 0 | 0 | 2 | 3326 |
| 110 | | Reinforced Concrete Open Girder/Bear | 164 | 123 | 38 | 0 | 3 | 41 | 3306 |
| 205 | | Reinforced Concrete Column | 6 | 3 | 3 | 0 | 0 | 3 | 3348 |
| 234 | | Reinforced Concrete Pier Cap | 90 | 0 | 68 | 16 | 6 | 90 | 3348 |
| 301 | | Pourable Joint Seal | 42 | 0 | 34 | 8 | 0 | 42 | 3310 |
| 316 | | Other Bearings | 8 | 8 | 0 | 0 | 0 | 0 | 3334 |
| 331 | | Reinforced Concrete Bridge Railing | 82 | 0 | 82 | 0 | 0 | 82 | 3318 |
| 510 | | Wearing Surface | 1,105 | 1,063 | 42 | 0 | 0 | 42 | 2816 |

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantities

Structure Number: 300016

Inspection Date: 11/17/2015

Span Number 1

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|---|
| <input checked="" type="checkbox"/> Deck | 1 | 12 | Reinforced Concrete Deck | 1114 | 1114 | 0 | 0 | 0 | 0 | 3326 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 1 | 331 | Reinforced Concrete Bridge Railing | 41 | 27 | 14 | 0 | 0 | 14 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 2 | 331 | Reinforced Concrete Bridge Railing | 41 | 41 | 0 | 0 | 0 | 0 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Wearing Surfaces | | 510 | Wearing Surface | 1105 | 1063 | 42 | 0 | 0 | 42 | 2816 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 1 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 33 | 8 | 0 | 0 | 8 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 2 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 3 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 4 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 26 | 6 | 9 | 0 | 15 | 3306 | <input checked="" type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |

Span Number 2

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Deck | 1 | 12 | Reinforced Concrete Deck | 1114 | 1070 | 44 | 0 | 0 | 44 | 3326 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 1 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 2 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Wearing Surfaces | | 510 | Wearing Surface | 1105 | 1063 | 42 | 0 | 0 | 42 | 2816 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 1 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 10 | 18 | 0 | 13 | 31 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 2 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 3 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 32 | 9 | 0 | 0 | 9 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 4 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 12 | 27 | 2 | 0 | 29 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Expansion Joints | 1 | 301 | Pourable Joint Seal | 42 | 0 | 42 | 0 | 0 | 42 | 3310 | <input type="checkbox"/> Requested |

Structure Number: 300016

Inspection Date: 11/17/2015

Span Number 3

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Deck | 1 | 12 | Reinforced Concrete Deck | 1114 | 1114 | 0 | 0 | 0 | 0 | 3326 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 1 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 2 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Wearing Surfaces | | 510 | Wearing Surface | 1105 | 1063 | 42 | 0 | 0 | 42 | 2816 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 1 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 2 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 3 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 4 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 40 | 0 | 1 | 0 | 1 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Expansion Joints | 1 | 301 | Pourable Joint Seal | 42 | 0 | 42 | 0 | 0 | 42 | 3310 | <input type="checkbox"/> Requested |

Span Number 4

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Deck | 1 | 12 | Reinforced Concrete Deck | 1114 | 897 | 217 | 0 | 0 | 217 | 3326 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 1 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 2 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Wearing Surfaces | | 510 | Wearing Surface | 1105 | 1063 | 42 | 0 | 0 | 42 | 2816 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 1 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 8 | 33 | 0 | 0 | 33 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 2 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 34 | 7 | 0 | 0 | 7 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 3 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 4 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 5 | 36 | 0 | 0 | 36 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Expansion Joints | 1 | 301 | Pourable Joint Seal | 42 | 0 | 7 | 0 | 35 | 42 | 3310 | <input type="checkbox"/> Requested |

Span Number 5

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|--------------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Deck | 1 | 12 | Reinforced Concrete Deck | 1114 | 1112 | 2 | 0 | 0 | 2 | 3326 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 1 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bridge Rail | 2 | 331 | Reinforced Concrete Bridge Railing | 41 | 0 | 41 | 0 | 0 | 41 | 3318 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Wearing Surfaces | | 510 | Wearing Surface | 1105 | 1063 | 42 | 0 | 0 | 42 | 2816 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 1 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 0 | 38 | 0 | 3 | 41 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 2 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 3 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Beam | 4 | 110 | Reinforced Concrete Open Girder/Beam | 41 | 41 | 0 | 0 | 0 | 0 | 3306 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 1 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 2 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 3 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Bearing Device | 4 | 316 | Other Bearings | 1 | 1 | 0 | 0 | 0 | 0 | 3334 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Expansion Joints | 1 | 301 | Pourable Joint Seal | 42 | 0 | 34 | 8 | 0 | 42 | 3310 | <input type="checkbox"/> Requested |

Superstructure Element Defect Descriptions

Structure Number: 300016

Inspection Date: 11/17/2015

Span Number 1

| Span | 1 | Bridge Rail | 1 | Component Name: | Concrete Railing |
|------|---|-------------|---|-----------------|------------------|
|------|---|-------------|---|-----------------|------------------|

Element: 331 Name Reinforced Concrete Bridge Ra Qty: 41 Lvl 2: 14 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 14

Defect Description:

10 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. LEFT CURB IS CRACKED , SPALLED AND DELAMINATED 10' FROM END BENT 1 AREA IS 10' LONG 10" UP FACE 8" BACK ON TOP.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. LEFT CURB @ MID SPAN FACE IS CRACKED , SPALLED AND DELAMINATED. AREA IS 4' LONG 6" HIGH 1" DEEP.

| Span | 1 | Wearing Surfaces | Component Name: | Asphalt Wearing Surface |
|------|---|------------------|-----------------|-------------------------|
|------|---|------------------|-----------------|-------------------------|

Element: 510 Name Wearing Surface Qty: 1105 Lvl 2: 42 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 42

Defect Description:

42 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. THE ASPHALT OVER BENT 1 IS CRACKED.

| Span | 1 | Beam | 1 | Component Name: | Reinforced Concrete Girder |
|------|---|------|---|-----------------|----------------------------|
|------|---|------|---|-----------------|----------------------------|

Element: 110 Name Reinforced Concrete Open Girc Qty: 41 Lvl 2: 8 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 8

Defect Description:

8 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. SPAN 1 LEFT SIDE OF G1 NEAR BENT 1 SCATTERED MAP CRACKING IN FACE OF GIRDER.

| Span | 1 | Beam | 4 | Component Name: | Reinforced Concrete Girder |
|------|---|------|---|-----------------|----------------------------|
|------|---|------|---|-----------------|----------------------------|

Element: 110 Name Reinforced Concrete Open Girc Qty: 41 Lvl 2: 6 Lvl 3: 9 Lvl 4: 0 Maint. Qty: 15

Defect Description:

9 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.

SPAN 1 G4 CRACKED AND DELAMINATED SPALL AREA AT MID SPAN ALONG LEFT AND RIGHT SIDE AND UNDER BOTTOM 9" UP FACE 8' 5" LONG 18" WIDE.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

SPAN 1 LEFT AND RIGHT SIDE AND BOTTOM OF G4 AT BENT 1 IS CRACKED AND DELAMINATED 6" UP EACH FACE 18" WIDE UNDER BOTTOM 4' LONG.

2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

SPAN 1 RIGHT SIDE OF G4 CRACKED SPALL DELAMINATED AREA FROM THE END BACK 20" TOP DOWN 24" 3" DEEP.

Span Number 2

| Span | 2 | Deck | 1 | Component Name: | Reinforced Concrete Deck |
|------|---|------|---|-----------------|--------------------------|
|------|---|------|---|-----------------|--------------------------|

Element: 12 Name Reinforced Concrete Deck Qty: 1114 Lvl 2: 44 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 44

Defect Description:

4 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. SPAN 2 BOTTOM OF DECK OF BAY 3 OVER BENT 1 CAP CRACKED AND DELAMINATED AREA WITH REBAR EXPOSED.

40 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. SPAN 2 BOTTOM OF DECK IN BAY 1 CRACKED AND DELAMINATED FROM BENT OUT 10' 4' WIDE.

| Span | 2 | Bridge Rail | 1 | Component Name: | Concrete Railing |
|------|---|-------------|---|-----------------|------------------|
|------|---|-------------|---|-----------------|------------------|

Element: 331 Name Reinforced Concrete Bridge Ra Qty: 41 Lvl 2: 41 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 41

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. LEFT CURB FACE IS CRACKED FULL LENGTH.

| | | | | | | | | |
|---------------|--------------------|---|------------------------|------------------|--|--|--|--|
| Span 2 | Bridge Rail | 2 | Component Name: | Concrete Railing | | | | |
|---------------|--------------------|---|------------------------|------------------|--|--|--|--|

| | | | | | | |
|---------------------|---|----------------|------------------|-----------------|-----------------|-----------------------|
| Element: 331 | Name Reinforced Concrete Bridge Ra | Qty: 41 | Lvl 2: 41 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty: 41 |
|---------------------|---|----------------|------------------|-----------------|-----------------|-----------------------|

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF CURB HAS A CRACK FULL LENGTH OF SPAN

| | | | | | | | | |
|---------------|-------------------------|--|------------------------|-------------------------|--|--|--|--|
| Span 2 | Wearing Surfaces | | Component Name: | Asphalt Wearing Surface | | | | |
|---------------|-------------------------|--|------------------------|-------------------------|--|--|--|--|

| | | | | | | |
|---------------------|-----------------------------|------------------|------------------|-----------------|-----------------|-----------------------|
| Element: 510 | Name Wearing Surface | Qty: 1105 | Lvl 2: 42 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty: 42 |
|---------------------|-----------------------------|------------------|------------------|-----------------|-----------------|-----------------------|

Defect Description:

42 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. WEARING SURFACE OVER BENT 2 IS CRACKED.

| | | | | | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|
| Span 2 | Beam | 1 | Component Name: | Reinforced Concrete Girder | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|

| | | | | | | |
|---------------------|---|----------------|------------------|-----------------|------------------|-----------------------|
| Element: 110 | Name Reinforced Concrete Open Girc | Qty: 41 | Lvl 2: 18 | Lvl 3: 0 | Lvl 4: 13 | Maint. Qty: 31 |
|---------------------|---|----------------|------------------|-----------------|------------------|-----------------------|

Defect Description:

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

SPAN 2 LEFT AND RIGHT SIDE AND BOTTOM OF G1 CRACKED AND DELAMINATED AREAS 18" WIDE FROM BENT 1 CAP OUT 4' AND 4" UP FACE.

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

SPAN 2 G1 CRACKED AND DELAMINATED AREA NEAR MID SPAN 18" UNDER BOTTOM 5" UP RIGHT FACE 32" LONG.

13 Feet of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

SPAN 2 G1 FROM MID SPAN NORTH 13' CRACKED AND DELAMINATED AND PATCHED AREA FROM LEFT TO RIGHT FACE AND UNDER BOTTOM. SPALL AREA IS 10" X 50" 3 1/2" DEEP. 3 LARGE REBAR AND STIRRUPS EXPOSED 5" UP EACH FACE 18" UNDER BOTTOM 13' LONG.

10 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

SPAN 2 LEFT SIDE OF G1 SCATTERED MAP CRACKING IN LEFT FACE OF GIRDER.

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

SPAN 2 LEFT SIDE OF G1 OVER BENT 2 7" X 7" CRACK AREA OVER TOP OF GIRDER.

| | | | | | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|
| Span 2 | Beam | 3 | Component Name: | Reinforced Concrete Girder | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|

| | | | | | | |
|---------------------|---|----------------|-----------------|-----------------|-----------------|----------------------|
| Element: 110 | Name Reinforced Concrete Open Girc | Qty: 41 | Lvl 2: 9 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty: 9 |
|---------------------|---|----------------|-----------------|-----------------|-----------------|----------------------|

Defect Description:

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

SPAN 2 LEFT AND RIGHT SIDE OF G3 AND BOTTOM CRACKED AND DELAMINATED FROM END OF GIRDER OVER BENT 1 OUT 4' 18" UNDER BOTTOM AND 4" UP THE FACE.

5 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

SPAN 2 RIGHT SIDE OF G3 SCATTERED MAP CRACKING AT BENT 2.

| | | | | | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|
| Span 2 | Beam | 4 | Component Name: | Reinforced Concrete Girder | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|

| | | | | | | |
|---------------------|---|----------------|------------------|-----------------|-----------------|-----------------------|
| Element: 110 | Name Reinforced Concrete Open Girc | Qty: 41 | Lvl 2: 27 | Lvl 3: 2 | Lvl 4: 0 | Maint. Qty: 29 |
|---------------------|---|----------------|------------------|-----------------|-----------------|-----------------------|

Defect Description:

7 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

SPAN 2 LEFT SIDE OF G4 HAS A DIAG CRACK COMING OFF THE INTERIOR DIAPHRAGM 7' LONG FROM TOP TO BOTTOM.

20 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.

SPAN 2 RIGHT SIDE OF G4 SCATTERED LONGITUDINAL CRACKS AND MAP CRACKING.

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.

BENT 2 RIGHT BOTTOM SIDE OF G4 AT BENT 2 SPALL AND DELAMINATED EXPOSED REBAR STIRRUPS EXPOSED 4" UP FACE 24" LONG 8" UNDER BOTTOM AND 3" DEEP.

| | | | | | | | | | |
|---------------|---------------------------|------------------------|----------------|--|--|--|--|--|--|
| Span 2 | Expansion Joints 1 | Component Name: | Standard Joint | | | | | | |
|---------------|---------------------------|------------------------|----------------|--|--|--|--|--|--|

Element: 301 **Name** Pourable Joint Seal **Qty:** 42 **Lvl 2:** 42 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 42

Defect Description:

42 Feet of Seal Cracking: Surface crack. ASPHALT OVER BENT 1 JOINT IS CRACKED.

Span Number 3

| | | | | | | | | | |
|---------------|----------------------|------------------------|------------------|--|--|--|--|--|--|
| Span 3 | Bridge Rail 1 | Component Name: | Concrete Railing | | | | | | |
|---------------|----------------------|------------------------|------------------|--|--|--|--|--|--|

Element: 331 **Name** Reinforced Concrete Bridge Ra **Qty:** 41 **Lvl 2:** 41 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 41

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF CURB HAS A CRACK FULL LENGTH OF SPAN.

| | | | | | | | | | |
|---------------|----------------------|------------------------|------------------|--|--|--|--|--|--|
| Span 3 | Bridge Rail 2 | Component Name: | Concrete Railing | | | | | | |
|---------------|----------------------|------------------------|------------------|--|--|--|--|--|--|

Element: 331 **Name** Reinforced Concrete Bridge Ra **Qty:** 41 **Lvl 2:** 41 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 41

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF CURB HAS A CRACK FULL LENGTH OF SPAN.

| | | | | | | | | | |
|---------------|-------------------------|------------------------|-------------------------|--|--|--|--|--|--|
| Span 3 | Wearing Surfaces | Component Name: | Asphalt Wearing Surface | | | | | | |
|---------------|-------------------------|------------------------|-------------------------|--|--|--|--|--|--|

Element: 510 **Name** Wearing Surface **Qty:** 1105 **Lvl 2:** 42 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 42

Defect Description:

42 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. ASPHALT WEARING SURFACE IS CRACKED OVER BENT 3

| | | | | | | | | | |
|---------------|---------------|------------------------|----------------------------|--|--|--|--|--|--|
| Span 3 | Beam 4 | Component Name: | Reinforced Concrete Girder | | | | | | |
|---------------|---------------|------------------------|----------------------------|--|--|--|--|--|--|

Element: 110 **Name** Reinforced Concrete Open Girc **Qty:** 41 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. RIGHT SIDE G 4 HAS A SPALLED AND DELAMINATED AREA OVER BENT 3 9" X 24" WITH LARGE REBAR EXPOSED.

| | | | | | | | | | |
|---------------|---------------------------|------------------------|----------------|--|--|--|--|--|--|
| Span 3 | Expansion Joints 1 | Component Name: | Standard Joint | | | | | | |
|---------------|---------------------------|------------------------|----------------|--|--|--|--|--|--|

Element: 301 **Name** Pourable Joint Seal **Qty:** 42 **Lvl 2:** 42 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 42

Defect Description:

42 Feet of Seal Cracking: Surface crack. ASPHALT OVER BENT 2 IS CRACKED.

Span Number 4

| | | | | | | | | | |
|---------------|---------------|------------------------|--------------------------|--|--|--|--|--|--|
| Span 4 | Deck 1 | Component Name: | Reinforced Concrete Deck | | | | | | |
|---------------|---------------|------------------------|--------------------------|--|--|--|--|--|--|

Element: 12 **Name** Reinforced Concrete Deck **Qty:** 1114 **Lvl 2:** 217 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 217

Defect Description:

3 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF DECK BAY 2 NEAR BENT 4 HAS SURFACE SPALL AREA 4" WIDE X 24" LONG.

200 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF DECK IN BAY 3 HAS A SMALL PATCHED AREA WITH SOME DELAMINATION. BAYS 1 & 2 HAVE SIMILAR AREAS.

14 Square Feet of Exposed Rebar: Present without measurable section loss. BOTTOM OF DECK RIGHT OVER HANG HAS 2 SPALL AND DELAMINATED AREAS WITH REBAR EXPOSED NEAR BENT 4. AREAS ARE 16" X 20" X 2" & 23" X 26" X 2".

| | | | | | | | | | |
|---------------|----------------------|------------------------|------------------|--|--|--|--|--|--|
| Span 4 | Bridge Rail 1 | Component Name: | Concrete Railing | | | | | | |
|---------------|----------------------|------------------------|------------------|--|--|--|--|--|--|

Element: 331 **Name** Reinforced Concrete Bridge Ra **Qty:** 41 **Lvl 2:** 41 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 41

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. CURB IS CRACKED IN FACE FULL LENGTH OF SPAN.

| | | | | | | | | |
|---------------|--------------------|---|------------------------|------------------|--|--|--|--|
| Span 4 | Bridge Rail | 2 | Component Name: | Concrete Railing | | | | |
|---------------|--------------------|---|------------------------|------------------|--|--|--|--|

| | | | | | | | |
|---------------------|---|----------------|------------------|-----------------|-----------------|-------------------|----|
| Element: 331 | Name Reinforced Concrete Bridge Ra | Qty: 41 | Lvl 2: 41 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty | 41 |
|---------------------|---|----------------|------------------|-----------------|-----------------|-------------------|----|

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. CURB IS CRACKED IN FACE FULL LENGTH OF SPAN.

| | | | | | | | | |
|---------------|-------------------------|--|------------------------|-------------------------|--|--|--|--|
| Span 4 | Wearing Surfaces | | Component Name: | Asphalt Wearing Surface | | | | |
|---------------|-------------------------|--|------------------------|-------------------------|--|--|--|--|

| | | | | | | | |
|---------------------|-----------------------------|------------------|------------------|-----------------|-----------------|-------------------|----|
| Element: 510 | Name Wearing Surface | Qty: 1105 | Lvl 2: 42 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty | 42 |
|---------------------|-----------------------------|------------------|------------------|-----------------|-----------------|-------------------|----|

Defect Description:

42 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. ASPHALT WEARING SURFACE IS CRACKED OVER BENT

| | | | | | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|
| Span 4 | Beam | 1 | Component Name: | Reinforced Concrete Girder | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|

| | | | | | | | |
|---------------------|---|----------------|------------------|-----------------|-----------------|-------------------|----|
| Element: 110 | Name Reinforced Concrete Open Girc | Qty: 41 | Lvl 2: 33 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty | 33 |
|---------------------|---|----------------|------------------|-----------------|-----------------|-------------------|----|

Defect Description:

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. RIGHT SIDE AND BOTTOM OF G1 AT BENT 4 PATCHED AREA IS DELAMINATED 16" UNDER BOTTOM 3' LONG & 7" UP FACE.
30 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. LEFT SIDE OF G 1 SCATTERED MAP CRACKING FROM BENT 3 TO BENT 4.

| | | | | | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|
| Span 4 | Beam | 2 | Component Name: | Reinforced Concrete Girder | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|

| | | | | | | | |
|---------------------|---|----------------|-----------------|-----------------|-----------------|-------------------|---|
| Element: 110 | Name Reinforced Concrete Open Girc | Qty: 41 | Lvl 2: 7 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty | 7 |
|---------------------|---|----------------|-----------------|-----------------|-----------------|-------------------|---|

Defect Description:

7 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. RIGHT SIDE OF G 2 HAS SCATTERED MAP CRACKING AT BENT 4

| | | | | | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|
| Span 4 | Beam | 4 | Component Name: | Reinforced Concrete Girder | | | | |
|---------------|-------------|---|------------------------|----------------------------|--|--|--|--|

| | | | | | | | |
|---------------------|---|----------------|------------------|-----------------|-----------------|-------------------|----|
| Element: 110 | Name Reinforced Concrete Open Girc | Qty: 41 | Lvl 2: 36 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty | 36 |
|---------------------|---|----------------|------------------|-----------------|-----------------|-------------------|----|

Defect Description:

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF G 4 IS CRACKED & DELAMINATED 7' FROM BENT 4 18" UNDER BOTTOM 4' LONG.
7 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF G 4 IS CRACKED, PATCHED AND DELAMINATED FROM BENT 4 BACK 7' 18" WIDE AND UP FACE 5".
25 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. RIGHT SIDE OF G 4 HAS SCATTERED MAP CRACKING IN FACE.

| | | | | | | | | |
|---------------|-------------------------|---|------------------------|----------------|--|--|--|--|
| Span 4 | Expansion Joints | 1 | Component Name: | Standard Joint | | | | |
|---------------|-------------------------|---|------------------------|----------------|--|--|--|--|

| | | | | | | | |
|---------------------|---------------------------------|----------------|-----------------|-----------------|------------------|-------------------|----|
| Element: 301 | Name Pourable Joint Seal | Qty: 42 | Lvl 2: 7 | Lvl 3: 0 | Lvl 4: 35 | Maint. Qty | 42 |
|---------------------|---------------------------------|----------------|-----------------|-----------------|------------------|-------------------|----|

Defect Description:

7 Feet of Seal Cracking: Crack that partially penetrates the seal. ASPHALT OVER BENT 3 IS CRACKED AND LEAKING.
35 Feet of Leakage: Moderate. More than a drip and less than free flow of water. 35' OF JOINT MATERIAL AND ASPHALT MISSING OVER BENT 3.
0 Feet of Leakage: Free flow of water through the joint. JOINT MATERIAL MISSING IN RIGHT CURB AREA OVER BENT 3. OPENING IS 2 1/2" WIDE SPANS ARE MISALIGNED
0 Feet of Leakage: Free flow of water through the joint. JOINT MATERIAL IS MISSING IN THE LEFT CURB AREA. THE OPENING IS 3" AND THE SPANS ARE MISALIGNED.

Span Number 5

| | | | | | | | | |
|---------------|-------------|---|------------------------|--------------------------|--|--|--|--|
| Span 5 | Deck | 1 | Component Name: | Reinforced Concrete Deck | | | | |
|---------------|-------------|---|------------------------|--------------------------|--|--|--|--|

| | | | | | | | |
|--------------------|--------------------------------------|------------------|-----------------|-----------------|-----------------|-------------------|---|
| Element: 12 | Name Reinforced Concrete Deck | Qty: 1114 | Lvl 2: 2 | Lvl 3: 0 | Lvl 4: 0 | Maint. Qty | 2 |
|--------------------|--------------------------------------|------------------|-----------------|-----------------|-----------------|-------------------|---|

Defect Description:

2 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. THE LEFT OVERHANG BOTTOM OF DECK HAS TWO AREAS SPALLED AND DELAMINATED 15' FROM END BENT 2. ONE AREA IS 6" X 10" AND 7" X 12".

| | | | | | | | | | |
|-------------|----------|--------------------|----------|------------------------|------------------|--|--|--|--|
| Span | 5 | Bridge Rail | 1 | Component Name: | Concrete Railing | | | | |
|-------------|----------|--------------------|----------|------------------------|------------------|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------|-----|-------------|-------------------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|
| Element: | 331 | Name | Reinforced Concrete Bridge Ra | Qty: | 41 | Lvl 2: | 41 | Lvl 3: | 0 | Lvl 4: | 0 | Maint. Qty | 41 |
|-----------------|-----|-------------|-------------------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF CURB IS CRACKED FULL LENGTH OF SPAN.

| | | | | | | | | | |
|-------------|----------|--------------------|----------|------------------------|------------------|--|--|--|--|
| Span | 5 | Bridge Rail | 2 | Component Name: | Concrete Railing | | | | |
|-------------|----------|--------------------|----------|------------------------|------------------|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------|-----|-------------|-------------------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|
| Element: | 331 | Name | Reinforced Concrete Bridge Ra | Qty: | 41 | Lvl 2: | 41 | Lvl 3: | 0 | Lvl 4: | 0 | Maint. Qty | 41 |
|-----------------|-----|-------------|-------------------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|

Defect Description:

41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF CURB IS CRACKED FULL LENGTH OF SPAN.

| | | | | | | | | | |
|-------------|----------|-------------------------|--|------------------------|-------------------------|--|--|--|--|
| Span | 5 | Wearing Surfaces | | Component Name: | Asphalt Wearing Surface | | | | |
|-------------|----------|-------------------------|--|------------------------|-------------------------|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------|-----|-------------|-----------------|-------------|------|---------------|----|---------------|---|---------------|---|-------------------|----|
| Element: | 510 | Name | Wearing Surface | Qty: | 1105 | Lvl 2: | 42 | Lvl 3: | 0 | Lvl 4: | 0 | Maint. Qty | 42 |
|-----------------|-----|-------------|-----------------|-------------|------|---------------|----|---------------|---|---------------|---|-------------------|----|

Defect Description:

42 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. ASPHALT WEARING SURFACE IS CRACKED OVER BENT.

| | | | | | | | | | |
|-------------|----------|-------------|----------|------------------------|----------------------------|--|--|--|--|
| Span | 5 | Beam | 1 | Component Name: | Reinforced Concrete Girder | | | | |
|-------------|----------|-------------|----------|------------------------|----------------------------|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------|-----|-------------|-------------------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|
| Element: | 110 | Name | Reinforced Concrete Open Girc | Qty: | 41 | Lvl 2: | 38 | Lvl 3: | 0 | Lvl 4: | 3 | Maint. Qty | 41 |
|-----------------|-----|-------------|-------------------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|

Defect Description:

30 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. LEFT SIDE OF G 1 HAS SCATTERED MAP CRACKING IN FACE.

3 Feet of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. G 1 AT END BENT 2 SPALLED, CRACKED AND DELAMINATED WITH LARGE REBAR EXPOSED. THE AREA IS 18" WIDE X 2 1/2" DEEP X 32" LONG IN FACE AND BOTTOM.

7 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. G1 LEFT FACE NEAR MID SPAN IS CRACKED.

| | | | | | | | | | |
|-------------|----------|-------------------------|----------|------------------------|----------------|--|--|--|--|
| Span | 5 | Expansion Joints | 1 | Component Name: | Standard Joint | | | | |
|-------------|----------|-------------------------|----------|------------------------|----------------|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------|-----|-------------|---------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|
| Element: | 301 | Name | Pourable Joint Seal | Qty: | 42 | Lvl 2: | 34 | Lvl 3: | 8 | Lvl 4: | 0 | Maint. Qty | 42 |
|-----------------|-----|-------------|---------------------|-------------|----|---------------|----|---------------|---|---------------|---|-------------------|----|

Defect Description:

34 Feet of Seal Cracking: Surface crack. ASPHALT OVER BENT 4 IS CRACKED IN BOTH LANES FROM LEFT CURB OUT 32'.

8 Feet of Leakage: Moderate. More than a drip and less than free flow of water. JOINT MATERIAL IS MISSING IN RIGHT LANE FROM RIGHT CURB OUT 8'. THIS AREA HAS SOME DEBRIS.

Substructure Detailed Element Quantites

Structure Number: 300016

Inspection Date: 11/17/2015

End Bent 1

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Caps | 1 | 234 | Reinforced Concrete Pier Cap | 45 | 0 | 45 | 0 | 0 | 45 | 3348 | <input type="checkbox"/> Requested |
| <input type="checkbox"/> Piles and Columns | 1 | 205 | Reinforced Concrete Column | 1 | 1 | 0 | 0 | 0 | 0 | 3348 | <input type="checkbox"/> Requested |
| <input type="checkbox"/> Piles and Columns | 2 | 205 | Reinforced Concrete Column | 1 | 1 | 0 | 0 | 0 | 0 | 3348 | <input type="checkbox"/> Requested |
| <input type="checkbox"/> Piles and Columns | 3 | 205 | Reinforced Concrete Column | 1 | 1 | 0 | 0 | 0 | 0 | 3348 | <input type="checkbox"/> Requested |

Bent 1

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|---|-----------------|----------------|------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|---|
| <input checked="" type="checkbox"/> Caps | 1 | 234 | Reinforced Concrete Pier Cap | 45 | 0 | 20 | 21 | 4 | 45 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 1 | 205 | Reinforced Concrete Column | 1 | 0 | 0 | 1 | 0 | 1 | 3348 | <input checked="" type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 2 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 3 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |

Bent 2

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|---|-----------------|----------------|------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Caps | 1 | 234 | Reinforced Concrete Pier Cap | 45 | 26 | 13 | 0 | 6 | 19 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 1 | 205 | Reinforced Concrete Column | 1 | 0 | 0 | 0 | 1 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 2 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 3 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |

Bent 3

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|---|-----------------|----------------|------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Caps | 1 | 234 | Reinforced Concrete Pier Cap | 45 | 0 | 12 | 21 | 12 | 45 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 1 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 2 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 3 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |

Bent 4

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|---|-----------------|----------------|------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Caps | 1 | 234 | Reinforced Concrete Pier Cap | 45 | 0 | 23 | 16 | 6 | 45 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 1 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 2 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |
| <input checked="" type="checkbox"/> Piles and Columns | 3 | 205 | Reinforced Concrete Column | 1 | 0 | 1 | 0 | 0 | 1 | 3348 | <input type="checkbox"/> Requested |

End Bent 2

| Element Location | Location Number | Element Number | Element Name | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity | Maint. Quantity | Maint. Code | Priority Maintenance |
|--|-----------------|----------------|------------------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-------------|------------------------------------|
| <input checked="" type="checkbox"/> Caps | 1 | 234 | Reinforced Concrete Pier Cap | 45 | 0 | 45 | 0 | 0 | 45 | 3348 | <input type="checkbox"/> Requested |
| <input type="checkbox"/> Piles and Columns | 1 | 205 | Reinforced Concrete Column | 1 | 1 | 0 | 0 | 0 | 0 | 3348 | <input type="checkbox"/> Requested |
| <input type="checkbox"/> Piles and Columns | 2 | 205 | Reinforced Concrete Column | 1 | 1 | 0 | 0 | 0 | 0 | 3348 | <input type="checkbox"/> Requested |
| <input type="checkbox"/> Piles and Columns | 3 | 205 | Reinforced Concrete Column | 1 | 1 | 0 | 0 | 0 | 0 | 3348 | <input type="checkbox"/> Requested |

Substructure Element Defect Descriptions

Structure Number: 300016

Inspection Date: 11/17/2015

End Bent 1

| End Bent 1 | Row 1 | Caps | 1 |
|------------|-------|------|---|
|------------|-------|------|---|

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 45 **Lvl 2:** 45 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 45

Defect Description:

45 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
 END BENT 1 HAS SCATTERED MAP CRACKING WITH HORIZ CRACKS FROM LEFT TO RIGHT END.

| Bent 1 | Row 1 | Caps | 1 |
|--------|-------|------|---|
|--------|-------|------|---|

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 45 **Lvl 2:** 20 **Lvl 3:** 21 **Lvl 4:** 4 **Maint. Qty:** 45

Defect Description:

4 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge
 BENT 1 CAP LEFT END OF CAP AND SOUTH FACE OF CAP CRACKED AND DELAMINATED SPALL AND DETERIORATED FROM THE LEFT END OVER 4' 38" WIDE AND FROM TOP TO BOTTOM 3' AND HAS LARGE REBAR EXPOSE. PM ISSUED.

5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
 BENT 1 SOUTH FACE OF CAP RIGHT SIDE OF G1 CRACKED AND PATCHED AREA IS DELAMINATED TOP DOWN 22" 5' LONG.

7 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
 BENT 1 SOUTH FACE OF CAP CRACKED PATCHED AND DELAMINATED AREA WITH HEAVY EFCRACKED AND DELAMINATED FLO FROM G2 OVER TO COL 2 18" DOWN FACE 78" LONG.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
 BENT 1 SOUTH FACE OF CAP PATCHED AREA ALONG THE BOTTOM EDGE AT COL 2 7" UP FACE AND 40" LONG.

5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
 BENT 1 SOUTH FACE OF CAP HAS A PATCHED AREA ALONG TOP FACE RIGHT SIDE OF G3 13" DOWN FACE AND 55" LONG.

20 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
 BENT 1 SOUTH FACE OF CAP HAS SCATTERED MAP CRACKING AND HORIZ CRACKS FROM LEFT TO RIGHT END WITH EFFLO STAINS LEACHING.

0 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
 BENT 1 NORTH FACE OF CAP PATCHED AREA ALONG BOTTOM EDGE AT COL 2 5" UP FACE 45" LONG.

0 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
 BENT 1 NORTH FACE OF CAP SCATTERED MAP CRACKING AND HORIZ CRACKS FROM LEFT TO RIGHT END.

| Bent 1 | Row 1 | Piles and Columns | 1 |
|--------|-------|-------------------|---|
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3:** 1 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.
 BENT 1 COL 1 WEST FACE END BENT 1 CRACKED SPALL DELAMINATED AND DETERIORATED 31" WIDE FROM TOP TO GROUND LINE 13' WITH HEAVY EFFLO EXPOSED. ALSO CRACKED AND DELAMINATED ON NORTH FACE AND SOUTH FACE 10".

0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
 BENT 1 COL 1 SOUTH AND EAST FACE OF COL HEAVY VERTICAL AND MAP CRACKING AND NORTH FACE IS SIMILAR.

| Bent 1 | Row 1 | Piles and | 2 |
|--------|-------|-----------|---|
|--------|-------|-----------|---|

Columns

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. SCATTERED VERTICAL CRACKS.

Bent 1 **Row** 1 **Piles and Columns** 3

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
BENT 1 EAST FACE OF COL 3 CRACKED AND DELAMINATED WITH EFFLO STAINS TO- DOWN 12'

Bent 2 **Row** 1 **Caps** 1

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 45 **Lvl 2:** 13 **Lvl 3:** 0 **Lvl 4:** 6 **Maint. Qty:** 19

Defect Description:

6 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge
BENT 2 LEFT END OF CAP AND SOUTH AND NORTH FACE OF CAP HEAVILY CRACKED AND DELAMINATED AND SPALL AND IS HEAVILY DETERIORATED 3' ON TOP 3' ON EACH FACE 37" WIDE AND FROM TOP TO BOTTOM 37" AND 4" DEEP.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP PATCHED AREA RIGHT SIDE OF G1 CRACKED AND DELAMINATED TOP DOWN 12" AND 40" LONG.

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP CRACKED AND DELAMINATED AND PATCHED AREA RIGHT SIDE OF G2 12" X 36".

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP CRACKED AND DELAMINATED AREA WITH HEAVY EFFLO UNDER G3 15" X 34".

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP CRACKED AND DELAMINATED AND PATCHED AREA RIGHT SIDE OF G3 10" DOWN FACE AND 32" LONG.

0 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. NORTH FACE OF CAP HAS 3 PATCHED AREAS IN FACE AT G 3.

Bent 2 **Row** 1 **Piles and Columns** 1

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3:** 0 **Lvl 4:** 1 **Maint. Qty:** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.
BENT 2 WEST FACE OF COL 1 HEAVILY CRACKED AND DELAMINATED AND SPALL WITH HEAVY DETERIORATION AND EFFLO STAIN FROM TOP TO BOTTOM 20' 30" WIDE BY 9" ON EACH FACE AND 3" DEEP.

0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft.
BENT 2 COL 1 SOUTH FACE OF CAP VERTICAL AND MAP CRACKING FROM TOP TO BOTTOM AND ALL OTHER FACES ARE SIMILAR.

Bent 2 **Row** 1 **Piles and Columns** 2

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft.

BENT 2 WEST FACE OF COL 1 VERTICAL AND MAP CRACKING ALL OTHER FACES SIMILAR.

| Bent 2 | Row 1 | Piles and Columns | 3 |
|--------|-------|-------------------|---|
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1
Defect Description:

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft.

| Bent 3 | Row 1 | Caps | 1 |
|--------|-------|------|---|
|--------|-------|------|---|

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 45 **Lvl 2:** 12 **Lvl 3:** 21 **Lvl 4:** 12 **Maint. Qty:** 45
Defect Description:

3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. SOUTH FACE OF CAP @ RIGHT END HAS A AREA THAT IS CRACKED SPALLED AND DELAMINATED. THE AREA IS 30" X 36".
 5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. NORTH FACE OF CAP IS CRACKED, SPALLED AND DELAMINATED WITH HEAVY EFFLO AT G 3. AREA IS 27" X 54"
 10 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. NORTH FACE OF CAP IS CRACKED , SPALLED AND DELAMINATED WITH EXCESSIVE EFFLO FROM G 1 TO G 2 42" TOP TO BOTTOM 10' LONG. SPALLED AREA IS 11" X 27" X 9" DEEP.
 12 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. LEFT END OF CAP IS CRACKED, SPALLED DELAMINATED AND DETERIORATED 37" X 37". 3' X 5" DEEP ON NORTH AND SOUTH FACES.
 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS PATCHED AND DELAMINATED RIGHT OF G 2 10" DOWN FACE 36" LONG.
 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS PATCHED AND DELAMINATED RIGHT OF G 3 12" DOWN FACE 4' LONG.
 8 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. SOUTH FACE OF CAP HAS MAP CRACKING WITH HEAVY EFFLO LEFT OF G 2 TO G 4.
 0 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. BOTTOM OF CAP BETWEEN COL. 1 & 2 AND COL. 3 & 4 HAVE AREAS OF HEAVY MAP CRACKING WITH EFFLO.

| Bent 3 | Row 1 | Piles and Columns | 1 |
|--------|-------|-------------------|---|
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1
Defect Description:

0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. SCATTERED VERTICAL CRACKS.
 1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. COL. 1 EAST FACE HAS 3 SPALLED AREAS ABOVE SRTUT. AREAS ARE 5" X 5" X 3/4" DEEP AND 7" X 18" X 3/4" DEEP.
 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. NORTH FACE OF COL. HAS SCATTERED MAP AND VERTICAL CRACKS. SIMILAR ON THE EAST AND SOUTH FACES.
 0 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. COL. 1 HAS A PATCHED AREA SOUTH EAST CORNER @ STRUT AREA IS 3' HIGH AND 4" ON EACH FACE.

| Bent 3 | Row 1 | Piles and Columns | 2 |
|--------|-------|-------------------|---|
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1
Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. COL. HAS CRACKED , SPALLED AND DELAMINATED AREAS 6' ABOVE GROUND 7" X 12".
 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. COL. HAS SCATTERED VERTICAL CRACKS IN ALL FACES.

| Bent 3 | Row 1 | Piles and Columns | 3 |
|--------|-------|-------------------|---|
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1
Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. NORTH FACE HAS TWO PATCHED AREAS 4' ABOVE GROUND UP 4' X 30" WIDE.

| Bent 4 | Row 1 | Caps | 1 |
|--------|-------|------|---|
|--------|-------|------|---|

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 45 **Lvl 2:** 23 **Lvl 3:** 16 **Lvl 4:** 6 **Maint. Qty:** 45

Defect Description:

6 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. LEFT END OF CAP IS SPALLED & DELAMINATED. 3' ON SOUTH AND NORTH FACES. 37" X 37" ON END UP TO 4" DEEP.
 15 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. BOTTOM OF CAP BETWEEN COL. 1 7 COL. 2 CRACKED AND DELAMINATED WITH EFFLO 35" X 55".
 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS CRACKED AND DELAMINATED RIGHT OF G 2. AREA IS 10" DOWN FACE 35" LONG & 5" ON TOP.
 5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS CRACKED AND DELAMINATED 28" UNDER G 3 AND DOWN FACE 5'.
 10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. BOTTOM OF CAO HAS SCATTERED CRACKING FROM COL. 2 TO COL. 3.
 6 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. NORTH FACE OF CAP HAS SCATTERED MAP, HORIZONTAL AND VERTICAL CRACKS.
 0 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. SOUTH FACE OF CAP HAS SCATTERED MAP CRACKING WITH EFFLO STAINING.

| | | | |
|--------|-------|-------------------|---|
| Bent 4 | Row 1 | Piles and Columns | 1 |
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. SCATTERED VERTICAL CRACKS.
 0 Each of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. WEST FACE OF COL. HAS CRACKS WITH HEAVY EFFLO STAINS FROM TOP DOWN 14' 30" WIDE.

| | | | |
|--------|-------|-------------------|---|
| Bent 4 | Row 1 | Piles and Columns | 2 |
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. SCATTERED VERTICAL CRACKS.

| | | | |
|--------|-------|-------------------|---|
| Bent 4 | Row 1 | Piles and Columns | 3 |
|--------|-------|-------------------|---|

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. EAST FACE IS CRACKED FROM TOP DOWN 16' X 25" WIDE.
 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. NORTH FACE HAS SCATTERED VERTICAL AND MAP CRACKING WITH SOME DELAMINATION. SIMILAR IN OTHER FACES.
 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. SOUTH AND EAST FACES OF COL. 3 HAVE CRACKS WITH HEAVY EFFLO FROM CAP DOWN 10'. OTHER FACES ARE CRACKED.

| | | | |
|------------|-------|------|---|
| End Bent 2 | Row 1 | Caps | 1 |
|------------|-------|------|---|

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 45 **Lvl 2:** 45 **Lvl 3:** 0 **Lvl 4:** 0 **Maint. Qty:** 45

Defect Description:

45 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF END BENT 2 CAP HAS SCATTERED MAP CRACKING FROM LEFT END TO RIGHT END.

National Bridge and NC Inspection Items

Structure Number: 300016

Inspection Date: 11/17/2015

National Bridge Inventory Items

| Item | Grade Scale | Grade |
|---|-------------|-------|
| Item 58: Deck | 0 - 9 , N | 5 |
| Item 59: Superstructure | 0 - 9 , N | 4 |
| Item 60: Substructure | 0 - 9 , N | 4 |
| Item 61: Channel and Channel Protection | 0 - 9 , N | |
| Item 62: Culvert | 0 - 9 , N | |
| Item 71: Waterway Adequacy | 0 - 9 , N | |
| Item 72: Approach Roadway Alignment | 0 - 9 , N | 8 |

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

NC SMU Inspection Items

| Item | Grade Scale | Grade | Maint. Qty. | Maint. Code |
|--------------------------|---------------|-------|-------------|-------------|
| Deck Debris | G, F, P, or C | F | 170 | 3376 |
| Drainage System | G, F, P, or C | G | 0 | 3332 |
| Utilities | G, F, P, or C | | | |
| Slope Protection | G, F, P, or C | F | 0 | 3352 |
| Scour | G, F, P, or C | | | |
| Wingwall | G, F, P, or C | G | 0 | 3350 |
| Field Scour Evaluation | | | | |
| Drift | G, F, P, or C | | 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 | 5 | | |

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

Inspection Information

| Item | Grade Scale | Grade |
|--|-------------|-------|
| Regulatory Sign Noticed Issued | YES/NO | N |
| Priority Maintenance Request Submitted | YES/NO | Y |
| Inspection Time | Hours | 30 |
| Traffic Control Time | Hours | 6 |
| Snooper Time | Hours | 6 |
| Ladder Used | YES/NO | N |
| Bucket Truck Used | YES/NO | N |
| Boat Used | YES/NO | N |
| Other Equipment Used | YES/NO | N |

National Bridge and NC SMU Inspection Item Details

Structure Number: 300016

Inspection Date: 11/17/2015

| | | | | | | | |
|-------------|-------------|--------------|---|-------------------|------|-------------|-----|
| Item | Deck Debris | Grade | F | Maint Code | 3376 | Qty. | 170 |
|-------------|-------------|--------------|---|-------------------|------|-------------|-----|

Details DECK DEBRIS ADJACENT TO CURB IN SPAN 1 LEFT SIDE FROM CURB OUT 20" FULL LENGTH OF SPAN.
DECK DEBRIS LEFT SIDE AJACENT TO CURB SPAN 3 FROM BENT 2 ALONG CURB 27' 20" WIDE.
DECK DEBRIS LEFT SIDE SPAN 5 ADJACENT TO CURB STARTING 10' FROM BENT 4 TO END BENT 2 (32') FROM CURB OUT 12".



Span 1 Beam 4: 9 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.
SPAN 1 G4 CRACKED AND DELAMINATED SPALL AREA AT MID SPAN ALONG LEFT AND RIGHT SIDE AND UNDER BOTTOM 9" UP FACE 8' 5" LONG 18" WIDE.



Bent 1 Cap : 45 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
END BENT 1 HAS SCATTERED MAP CRACKING WITH HORIZ CRACKS FROM LEFT TO RIGHT END.



Bent 1 Cap : 4 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge

BENT 1 CAP LEFT END OF CAP AND SOUTH FACE OF CAP CRACKED AND DELAMINATED SPALL AND DETERIORATED FROM THE LEFT END OVER 4' 38" WIDE AND FROM TOP TO BOTTOM 3' AND HAS LARGE REBAR EXPOSE. PM ISSUED.



Span 1 Beam 1: 8 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 1 LEFT SIDE OF G1 NEAR BENT 1 SCATTERED MAP CRACKING IN FACE OF GIRDER.



Bent 1 Cap : 5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 1 SOUTH FACE OF CAP RIGHT SIDE OF G1 CRACKED AND PATCHED AREA IS DELAMINATED TOP DOWN 22" 5' LONG.



END DIAPHRAGM OVER BENT 1 IN BAY 1 6" X 8" X 3/4" VERTICAL REBAR EXPOSED.



Bent 1 Pile 1: 1 Each of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.
BENT 1 COL 1 WEST FACE END BENT 1 CRACKED SPALL DELAMINATED AND DETERIORATED 31" WIDE FROM TOP TO GROUND LINE 13' WITH HEAVY EFFLO EXPOSED. ALSO CRACKED AND DELAMINATED ON NORTH FACE AND SOUTH FACE 10".



Bent 1 Pile 1: 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft.
BENT 1 COL 1 SOUTH AND EAST FACE OF COL HEAVY VERTICAL AND MAP CRACKING AND NORTH FACE IS
SIMILAR.



Bent 1 Cap : 7 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 1 SOUTH FACE OF CAP CRACKED PATCHED AND DELAMINATED AREA WITH HEAVY EFFLO FROM G2 OVER TO COL 2 18" DOWN FACE 78" LONG.



Bent 1 Cap : 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 1 SOUTH FACE OF CAP PATCHED AREA ALONG THE BOTTOM EDGE AT COL 2 7" UP FACE AND 40" LONG.



Bent 1 Cap : 5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 1 SOUTH FACE OF CAP HAS A PATCHED AREA ALONG TOP FACE RIGHT SIDE OF G3 13" DOWN FACE AND 55 " LONG.



Bent 1 Cap : 0 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
BENT 1 SOUTH FACE OF CAP HAS SCATTERED MAP CRACKING AND HORIZ CRACKS FROM LEFT TO RIGHT
END WITH EFFLO STAINS LEACHING.



Span 1 Beam 4: 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 1 LEFT AND RIGHT SIDE AND BOTTOM OF G4 AT BENT 1 IS CRACKED AND DELAMINATED 6" UP EACH FACE 18" WIDE UNDER BOTTOM 4' LONG.



Span 1 Beam 4: 2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 1 RIGHT SIDE OF G4 CRACKED SPALL DELAMINATED AREA FROM THE END BACK 20" TOP DOWN 24" 3" DEEP.



Bent 1 Pile 3: 1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
BENT 1 EAST FACE OF COL 3 CRACKED AND DELAMINATED WITH EFFLO STAINS TO- DOWN 12'



Span 2 Deck: 4 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter.
SPAN 2 BOTTOM OF DECK OF BAY 3 OVER BENT 1 CAP CRACKED AND DELAMINATED AREA WITH REBAR EXPOSED.



Span 2 Beam 3: 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 2 LEFT AND RIGHT SIDE OF G3 AND BOTTOM CRACKED AND DELAMINATED FROM END OF GIRDER OVER BENT 1 OUT 4' 18" UNDER BOTTOM AND 4" UP THE FACE.



Bent 1 Cap : 0 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 1 NORTH FACE OF CAP PATCHED AREA ALONG BOTTOM EDGE AT COL 2 5" UP FACE 45" LONG.



Span 2 Deck: 40 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter.
SPAN 2 BOTTOM OF DECK IN BAY 1 CRACKED AND DELAMINATED FROM BENT OUT 10' 4' WIDE.



Span 2 Beam 1: 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 2 LEFT AND RIGHT SIDE AND BOTTOM OF G1 CRACKED AND DELAMINATED AREAS 18" WIDE FROM BENT 1 CAP OUT 4' AND 4" UP FACE.



Bent 1 Cap : 0 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
BENT 1 NORTH FACE OF CAP SCATTERED MAP CRACKING AND HORIZ CRACKS FROM LEFT TO RIGHT END.



Span 2 Beam 1: 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 2 G1 CRACKED AND DELAMINATED AREA NEAR MID SPAN 18" UNDER BOTTOM 5" UP RIGHT FACE 32" LONG.



Span 2 Beam 1: 13 Feet of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

SPAN 2 G1 FROM MID SPAN NORTH 13' CRACKED AND DELAMINATED AND PATCHED AREA FROM LEFT TO RIGHT FACE AND UNDER BOTTOM. SPALL AREA IS 10" X 50" 3 1/2" DEEP. 3 LARGE REBAR AND STIRRUPS EXPOSED 5" UP EACH FACE 18" UNDER BOTTOM 13' LONG.



Bent 2 Cap : 6 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge

BENT 2 LEFT END OF CAP AND SOUTH AND NORTH FACE OF CAP HEAVILY CRACKED AND DELAMINATED AND SPALL AND IS HEAVILY DETERIORATED 3' ON TOP 3' ON EACH FACE 37" WIDE AND FROM TOP TO BOTTOM 37" AND 4" DEEP.



Bent 2 Pile 1: 1 Each of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

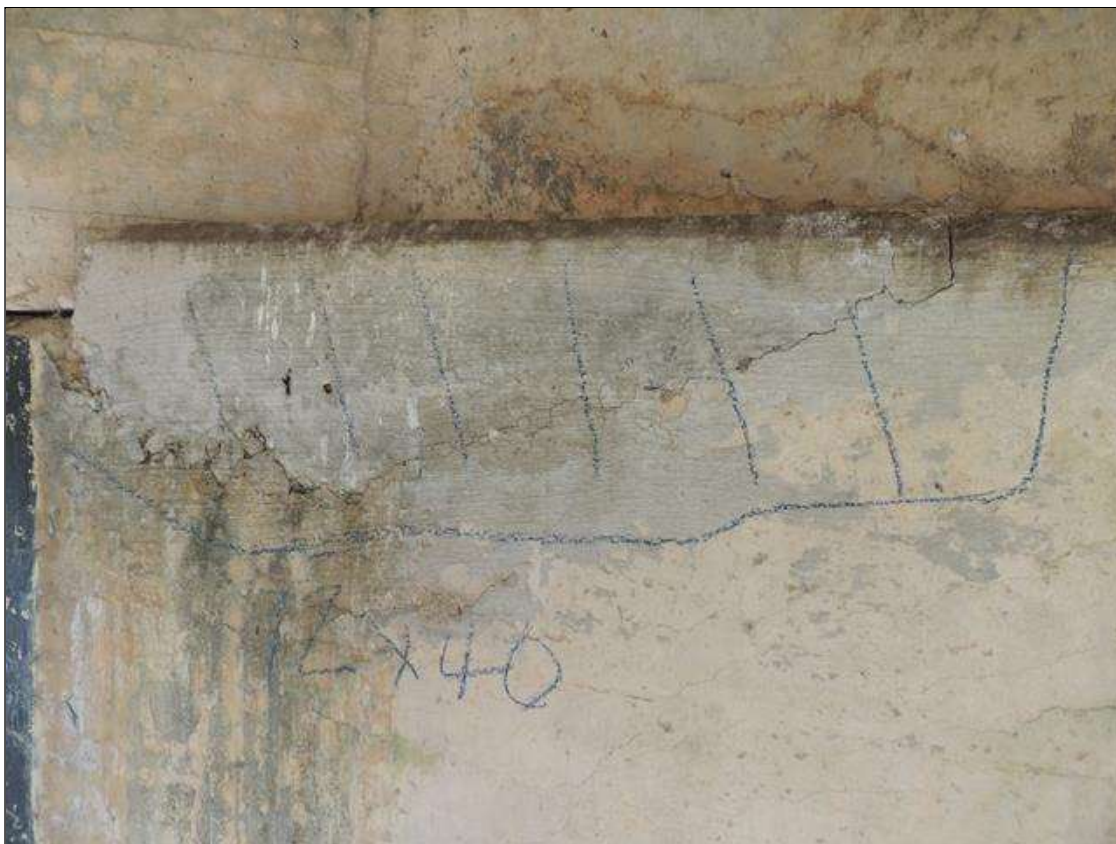
BENT 2 WEST FACE OF COL 1 HEAVILY CRACKED AND DELAMINATED AND SPALL WITH HEAVY DETERIORATION AND EFFLO STAIN FROM TOP TO BOTTOM 20' 30" WIDE BY 9" ON EACH FACE AND 3" DEEP.



Span 2 Beam 1: 1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.
SPAN 2 LEFT SIDE OF G1 OVER BENT 2 7" X 7" CRACK AREA OVER TOP OF GIRDER.



Bent 2 Pile 1: 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft.
BENT 2 COL 1 SOUTH FACE OF CAP VERTICAL AND MAP CRACKING FROM TOP TO BOTTOM AND ALL
OTHER FACES ARE SIMILAR.



Bent 2 Cap : 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP PATCHED AREA RIGHT SIDE OF G1 CRACKED AND DELAMINATED TOP DOWN 12" AND 40" LONG.



Bent 2 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP CRACKED AND DELAMINATED AND PATCHED AREA RIGHT SIDE OF G2 12" X 36".



Bent 2 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP CRACKED AND DELAMINATED AREA WITH HEAVY EFFLO UNDER G3.



Bent 2 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound
BENT 2 SOUTH FACE OF CAP CRACKED AND DELAMINATED AND PATCHED AREA RIGHT SIDE OF G3 10" DOWN FACE AND 32" LONG.



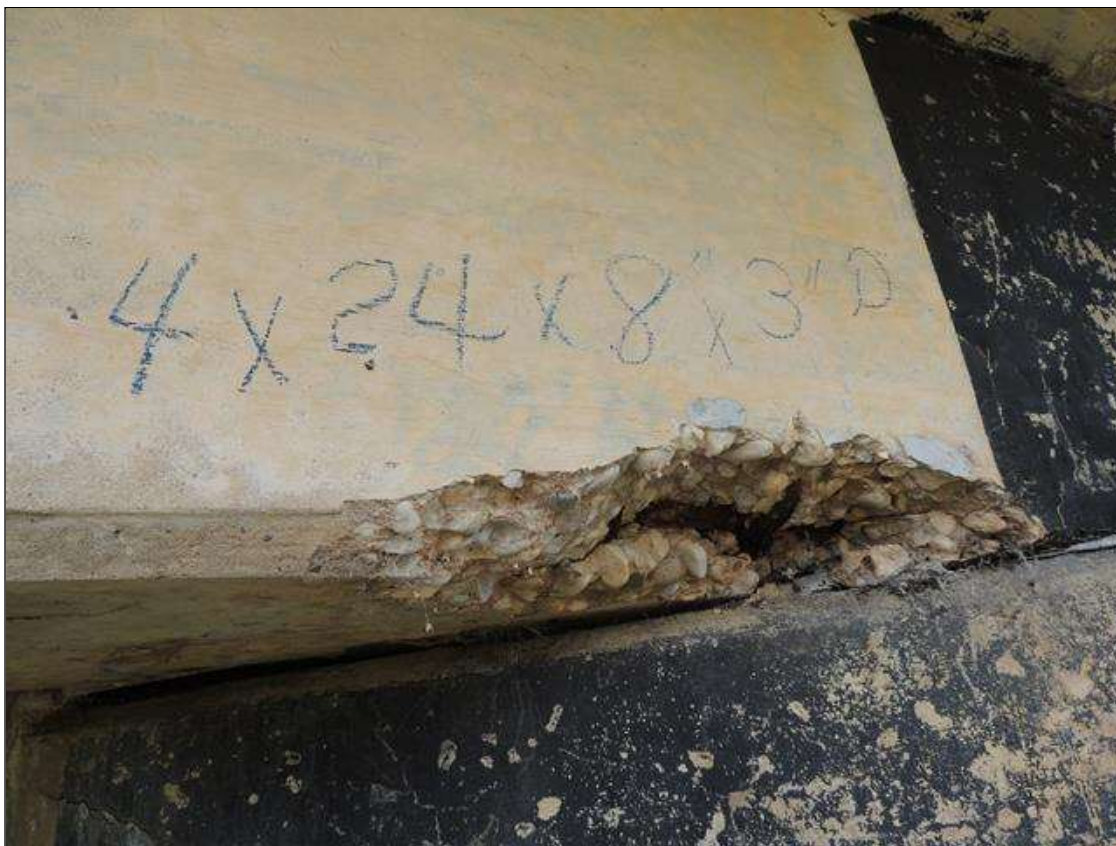
Span 2 Beam 3: 5 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 2 RIGHT SIDE OF G3 SCATTERED MAP CRACKING AT BENT 2.



Span 2 Beam 4: 7 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 2 LEFT SIDE OF G4 HAS A DIAG CRACK COMING OFF THE INTERIOR DIAPHRAGM 7' LONG FROM TOP TO BOTTOM.



Span 2 Beam 4: 20 Feet of Cracking (RC and Other); Width 0.012-0.05 in. or spacing of 1.0-3.0 ft.
SPAN 2 RIGHT SIDE OF G4 SCATTERED LONGITUDINAL CRACKS AND MAP CRACKING.



Span 2 Beam 4: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.
BENT 2 RIGHT BOTTOM SIDE OF G4 AT BENT 2 SPALL AND DELAMINATED EXPOSED REBAR STIRRUPS EXPOSED.



BENT 2 TOP OF CAP AND RIGHT END OF CAP HAS CONCRETE SMOOTH ON TOP AND END AND IS MAP CRACKED ON SOUTH RIGHT END AND NORTH FACES.



Span 1 Right Bridge Rail: 10 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. LEFT CURB 10' FROM END BENT 1 IS SPALLED , CRACKED AND DELAMINATED. AREA IS 10' LONG 10" HIGH AND 8" BACK ON TOP



Span 1 Left Bridge Rail: 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. LEFT CURB @ MID SPAN FACE IS CRACKED , SPALLED AND DELAMINATED. AREA IS 4' LONG 6" HIGH 1" DEEP.



Span 2 Left Bridge Rail: 41 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. LEFT CURB FACE IS CRACKED FULL LENGTH.



Expansion Joint 2 : 42 Feet of Seal Cracking: Surface crack. ASPHALT OVER BENT 1 JOINT IS CRACKED.



Expansion Joint 3 : 42 Feet of Seal Cracking: Surface crack. ASPHALT OVER BENT 2 IS CRACKED.



Span 5 Deck: 2 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. THE LEFT OVERHANG BOTTOM OF DECK HAS TWO AREAS SPALLED AND DELAMINATED 15' FROM END BENT 2. ONE AREA IS 6" X 10" AND 7" X 12".



Span 4 Deck: 3 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter.
BOTTOM OF DECK BAY 2 NEAR BENT 4 HAS SURFACE SPALL AREA 4" WIDE X 24" LONG.



Span 4 Deck: 200 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF DECK IN BAY 3 HAS A SMALL PATCHED AREA WITH SOME DELAMINATION. BAYS 1 & 2 HAVE SIMILAR AREAS.



Span 4 Deck: 14 Square Feet of Exposed Rebar: Present without measurable section loss. BOTTOM OF DECK RIGHT OVER HANG HAS 2 SPALL AND DELAMINATED AREAS WITH REBAR EXPOSED NEAR BENT 4. AREAS ARE 16" X 20" X 2" & 23" X 26" X 2".



Expansion Joint 4 : 35 Feet of Leakage: Moderate. More than a drip and less than free flow of water. 35' OF JOINT MATERIAL AND ASPHALT MISSING OVER BENT 3.



Expansion Joint 5 : 32 Feet of Seal Cracking: Surface crack. ASPHALT OVER BENT 4 IS CRACKED IN BOTH LANES FROM LEFT CURB OUT 32'.



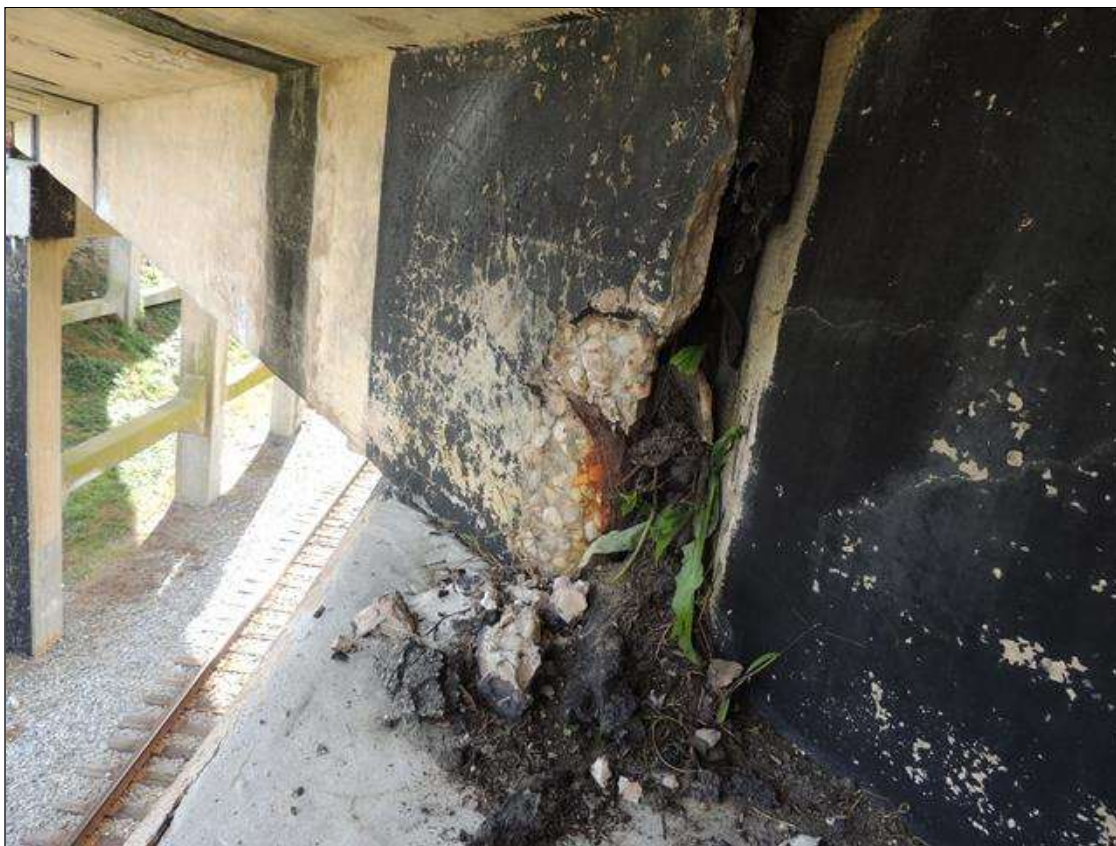
Expansion Joint 5 : 8 Feet of Leakage: Moderate. More than a drip and less than free flow of water. JOINT MATERIAL IS MISSING IN RIGHT LANE FROM RIGHT CURB OUT 8'. THIS AREA HAS SOME DEBRIS.



Expansion Joint 4 : 0 Feet of Leakage: Free flow of water through the joint. JOINT MATERIAL MISSING IN RIGHT CURB AREA OVER BENT 3. OPENING IS 2 1/2" WIDE SPANS ARE MISSALINGED



Expansion Joint 4 : 0 Feet of Leakage: Free flow of water through the joint. JOINT MATERIAL IS MISSING IN THE LEFT CURB AREA. THE OPENING IS 3" AND THE SPANS ARE MISALIGNED.



Span 3 Beam 4: 1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. RIGHT SIDE G 4 HAS A SPALLED AND DELAMINATED AREA OVER BENT 3 9" X 24" WITH LARGE REBAR EXPOSED.



Span 4 Beam 1: 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. RIGHT SIDE AND BOTTOM OF G1 AT BENT 4 PATCHED AREA IS DELAMINATED 16" UNDER BOTTOM 3' LONG & 7" UP FACE.



Span 4 Beam 1: 30 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. LEFT SIDE OF G 1
SCATTERED MAP CRACKING FROM BENT 3 TO BENT 4.



Span 4 Beam 2: 7 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. RIGHT SIDE OF G 2
HAS SCATTERED MAP CRACKING AT BENT 4



Span 4 Beam 4: 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF G 4 IS CRACKED & DELAMINATED 7' FROM BENT 4 18" UNDER BOTTOM 4' LONG.



Span 4 Beam 4: 7 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTTOM OF G 4 IS CRACKED, PATCHED AND DELAMINATED FROM BENT 4 BACK 7' 18" WIDE AND UP FACE 5".



Span 4 Beam 4: 25 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. RIGHT SIDE OF G 4 HAS SCATTERED MAP CRACKING IN FACE.



Span 5 Beam 1: 30 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. LEFT SIDE OF G1 HAS SCATTERED MAP CRACKING IN FACE.



Span 5 Beam 1: 3 Feet of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. G 1 AT END BENT 2 SPALLED, CRACKED AND DELAMINATED WITH LARGE REBAR EXPOSED. THE AREA IS 18" WIDE X 2 1/2" DEEP X 32" LONG IN FACE AND BOTTOM.



Span 5 Beam 1: 10 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. G1 LEFT FACE NEAR MID SPAN IS CRACKED.



Bent 4 Cap : 6 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. LEFT END OF CAP IS SPALLED & DELAMINATED. 3' ON SOUTH AND NORTH FACES. 37" X 37" ON END UP TO 4" DEEP.



Bent 4 Cap : 15 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. BOTTOM OF CAP BETWEEN COL. 1 7 COL. 2 CRACKED AND DELAMINATED WITH EFFLO 35" X 55".



Bent 4 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS CRACKED AND DELAMINATED RIGHT OF G 2. AREA IS 10" DOWN FACE 35" LONG & 5" ON TOP.



Bent 4 Cap : 5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS CRACKED AND DELAMINATED 28" UNDER G 3 AND DOWN FACE 5'.



Bent 4 Cap : 10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. BOTTOM OF CAO HAS SCATTERED CRACKING FROM COL. 2 TO COL. 3.



Bent 4 Cap : 6 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. NORTH FACE OF CAP HAS SCATTERED MAP, HORIZONTAL AND VERTICAL CRACKS.



Bent 4 Cap : 0 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. SOUTH FACE OF CAP HAS SCATTERED MAP CRACKING WITH EFFLO STAINING.



Bent 3 Cap : 3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. SOUTH FACE OF CAP @ RIGHT END HAS A AREA THAT IS CRACKED SPALLED AND DELAMINATED. THE AREA IS 30" X 36".



Bent 3 Cap : 5 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. NORTH FACE OF CAP IS CRACKED, SPALLED AND DELAMINATED WITH HEAVY EFFLO AT G 3.
AREA IS 27" X 54"



Bent 3 Cap : 10 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. NORTH FACE OF CAP IS CRACKED , SPALLED AND DELAMINATED WITH EXCESSIVE EFFLO FROM G 1 TO G 2 42" TOP TO BOTTOM 10' LONG. SPALLED AREA IS 11" X 27" X 9" DEEP.



Bent 3 Cap : 12 Feet of Delamination/Spall/Patched Area: The condition warrants structural review to determine the effect on strength and serviceability of the element or the bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. LEFT END OF CAP IS CRACKED, SPALLED DELAMINATED AND DETERIORATED 37" X 37". 3' X 5" DEEP ON NORTH AND SOUTH FACES.



Bent 3 Cap : 3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS PATCHED AND DELAMINATED RIGHT OF G 2 10" DOWN FACE 36" LONG.



Bent 3 Cap : 4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. SOUTH FACE OF CAP IS PATCHED AND DELAMINATED RIGHT OF G 3 12" DOWN FACE 4' LONG.



Bent 3 Cap : 8 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. SOUTH FACE OF CAP HAS MAP CRACKING WITH HEAVY EFFLO LEFT OF G 2 TO G 4.



Bent 3 Cap : 0 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. BOTTOM OF CAP BETWEEN COL. 1 & 2 AND COL. 3 & 4 HAVE AREAS OF HEAVY MAP CRACKING WITH EFFLO.



Bent 2 Cap : 0 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. NORTH FACE OF CAP HAS 3 PATCHED AREAS IN FACE AT G 3.



End Bent 2 Cap : 45 Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. FACE OF END BENT 2 CAP HAS SCATTERED MAP CRACKING FROM LEFT END TO RIGHT END.



Bent 4 Pile 3: 1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. EAST FACE IS CRACKED FROM TOP DOWN 16' X 25" WIDE.



Bent 4 Pile 3: 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. NORTH FACE HAS SCATTERED VERTICAL AND MAP CRACKING WITH SOME DELAMINATION. SIMILAR IN OTHER FACES.



Bent 3 Pile 2: 1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. COL. HAS CRACKED , SPALLED AND DELAMINATED AREAS 6' ABOVE GROUND 7" X 12".



Bent 3 Pile 1: 1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. COL. 1 EAST FACE HAS 3 SPALLED AREAS ABOVE SRTUT. AREAS ARE 5" X 5" X 3/4" DEEP AND 7" X 18" X 3/4" DEEP.



Bent 3 Pile 1: 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. NORTH FACE OF COL. HAS SCATTERED MAP AND VERTICAL CRACKS. SIMILAR ON THE EAST AND SOUTH FACES.



TOP OF STRUT BETWEEN COL. 1 AND COL. 2 @ BENT 3 IS CRACKED ON TOP 12' LONG



SPAN 3 HAS SHIFTED 3" TO EAST OVER BENT 3.



Bent 3 Pile 1: 0 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. COL. 1 HAS A PATCHED AREA SOUTH EAST CORNER @ STRUT AREA IS 3' HIGH AND 4" ON EACH FACE.



Bent 4 Pile 1: 0 Each of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. WEST FACE OF COL. HAS CRACKS WITH HEAVY EFFLO STAINS FROM TOP DOWN 14' 30" WIDE.



Bent 4 Pile 3: 0 Each of Cracking (RC and Other): Width 0.012-0.05 in. or spacing or 1.0-3.0 ft. SOUTH AND EAST FACES OF COL. 3 HAVE CRACKS WITH HEAVY EFFLO FROM CAP DOWN 10'. OTHER FACES ARE CRACKED.



BENT 3 COL. 3 NORTH FACE HAS 2 PATCHED AREAS 4' ABOVE GROUND EXTENDING & 30 " WIDE.



END BENT 1



SLOPE PROTECTION IN FRONT OF END BENT 1 HAS BEEN SAND BAGGED APPROX 25' DOWN SLOP AND ALL THE WAY ACROSS.



GUARDRAIL TERMINAL END



GUARDRAIL TRANSITION



GUARDRAIL ATTACHMENT



WEARING SURFACE SPAN 3 (SIM. IN ALL SPANS)



RAIL AND CURB LEFT SIDE SPAN 2. (SIM IN ALL SPANS BOTH SIDES)



LOOKING WEST FROM BRIDGE



LOOKING EAST FROM BRIDGE



WEST PROFILE



EAST PROFILE



LOOKING NORTH



LOOKING SOUTH



LOOKING NORTH FROM BRIDGE



LOOKING SOUTH FROM BRIDGE



LOOKING EAST THROUGH SPAN 3



LOOKING WEST THROUGH SPAN 3



SUPER STRUCTURE



BENT 1. BENTS 2, 3 AND 4 ARE SIMILAR.



END OF BENT CAP



END BENT 2

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

Run Date: 06/08/2016

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **300016**
 (8) STRUCTURE NUMBER(FEDERAL) 00000000610016
 (5) INVENTORY ROUTE (ON/UNDER) - ON 21001170
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 2
 (3) COUNTY CODE 61 (4) PLACE CODE 9760
 (6) FEATURE INTERSECTED - CSX RAILROAD
 (7) FACILITY CARRIED US117 NBL
 (9) LOCATION 0.1MI.N.JCT.SR1320
 (11)MILEPOINT 0
 (16)LAT 35° 8' 58.65" (17)LONG 78° 6' 32.65"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 38.85
 STATUS = Structurally Deficient

CLASSIFICATION **CODE**

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is not on NHS 0
 (26) FUNCTIONAL CLASS - Major Collector 07
 (100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
 (101)PARALLEL STRUCTURE - Right Parallel Structure R
 (102)DIRECTION OF TRAFFIC - 1-way Traffic 1
 (103)TEMPORARY STRUCTURE -
 (110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
 (20) TOLL On Free Road 3
 (31) MAINTAIN - State Highway Agency 01
 (22) OWNER - State Highway Agency 01
 (37) HISTORICAL SIGNIFICANCE - Not Eligible 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Concrete
 TYPE - Tee Beam CODE 104
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 5
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION **CODE**

(58) DECK 5
 (59) SUPERSTRUCTURE 4
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION N
 (62) CULVERTS N

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD H 15 2
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-24 43
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-14 25
 (70) BRIDGE POSTING - No Posting Required 5
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
 DESCRIPTION - Open, No Restriction

AGE AND SERVICE

(27) YEAR BUILT 1936
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Railroad CODE 12
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 1850
 (30) YEAR OF ADT 2013 (109) TRUCK ADT PCT 7%
 (19) BYPASS OR DETOUR LENGTH 1 MI

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 2
 (69) UNDERCLEARANCES,VERTI & HORIZ 3
 (71) WATERWAY ADEQUACY N
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0111
 (113)SCOUR CRITICAL BRIDGES N

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 41 FT
 (49) STRUCTURE LENGTH 213 FT
 (50)CURB OR SIDEWALK: LEFT .2085 FT RIGHT .2085 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.25 FT
 (52) DECK WIDTH OUT TO OUT 27.167 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 24 FT
 (33) BRIDGE MEDIAN - No Median CODE 1
 (34) SKEW 56° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.25 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
 (54) MIN VERT UNDERCLEAR REF Railroad 22 FT
 (55) MIN LAT UNDERCLEAR RT REF Railroad 7.667 FT
 (56) MIN LAT UNDERCLEAR LT REF - 000 FT

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114)FUTURE ADT 3700 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 11/17/2015
 (92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - NO B)
 C) OTHER SPECIAL INSP NO C)
 SCOUR

NAVIGATION DATA

(38) NAVIGATION CONTROL - Not Applicable CODE N
 (111)PIER PROTECTION - CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
 (40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

Structure No: 300016

County: DUPLIN

Run Date:

| Span Number | Feature Intersected | Inventory Route | Minimum Maximum Vertical Clearance | Milepoint | Base Highway Network | LRS Inventory Route | Toll | Functional Classification | Nuner of Lanes | Average Daily Traffic | Year of Average Daily Traffic | Total Horizontal Clearance | See Note 1 | | | | | | | |
|-------------|---------------------|-----------------|------------------------------------|-----------|----------------------|---------------------|------|---------------------------|----------------|-----------------------|-------------------------------|----------------------------|-------------------|---------------------------------|------------------------------|-----------------------------|--------------------------------|-----------------------------|----------------------|-------------------------|
| | | | | | | | | | | | | | Reference Feature | Minimum Vertical Underclearance | Right Lateral Underclearance | Left Lateral Underclearance | Underclearance Appraisal Grade | STRAHNET Highway Designator | Direction of Traffic | Highway System of Route |
| | 6 | 5 | 10 | 11 | 12 | 13 | 20 | 26 | 28 | 29 | 30 | 47 | 54A | 54 | 55 | 56 | 69 | 100 | 102 | 104 |
| 3 | CSXRR | 80000000 | | | | | | | | | | | R | 22 | 7.67 | | 9 | | | |

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 06/08/2016

COUNTY : DUPLIN DIVISION : 3 DISTRICT : 2 STRUCTURE NUMBER : 300016 LENGTH : 213 FEET

ROUTE CARRIED : US117 NBL FEATURE INTERSECTED : CSX RAILROAD

LOCATED : 0.1MI.N.JCT.SR1320 BRIDGE NAME : CITY : CALYPSO

FUNC. CLASS : 07 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 1850 2013 RAIL TYPE : LT 311 RT 311

BUILT : 1936 BY : SHPWC PROJ : 2180 FED.AID PROJ : DESIGN LOAD : H 15

REHAB : BY : PROJ : ALIGNMENT : TAN SKEW : 34 LANES : ON 2 UNDER 0

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

SUPERSTRUCTURE : REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE : E.BTS:RC SPILL THRU;BTS:RCP&B

SPANS : 5@42'-6

BEAMS OR GIRDERS : 4LNS. RC DECK GIRDERS@8' CTS.

FLOOR : RC/3 AWS ENCROACHMENT : DECK (OUT TO OUT) : 27.167 FT

CLEAR ROADWAY : 24.25 FT BETWEEN RAILS : 24.667 FT SIDEWALK OR CURB : LT .2085 FT RT .2085 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-14 OPE.RTG. : HS-24 CONTR.MEMBER : ext.RCDG POSTED : SV TTST DATE

SYSTEM : Primary U.S. Route GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

| Span | Route Description | Vertical Clearances | | Horizontal Clearances | | |
|------|-------------------|---------------------|-----|-----------------------|------|--------|
| | | MMVC | MVC | Total | Left | Right |
| 3 | CSXRR | 0 | 22 | 0 | 0 | 7.6670 |

Note: All measurements are in feet.

REMARKS :











BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 300016

County DUPLIN

Date:

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

| MMS Code | Description of Function | Unit | Quantity | Remarks | Est. Cost |
|--|---|------|----------|---|-----------|
|  3306 | Maintain Concrete Superstructure Components | SF | 2 | SPAN 1 G4 CRACKED SPALLED AND DELAMINATED AREA ALONG BOTTOM AND BOTH FACES AT MID SPAN. AREA IS 9" HIGH X 8' 5" LONG X 18" | |
|  3306 | Maintain Concrete Superstructure Components | SF | 5 | SP. 2 G1 FROM MIDSPAN NORTH 13'. LT., RT. FACES & BOTTOM SPALLED, CRACKED, DELAM. & PATCHED. SPALLED AREA 10" X 50" X 3 1/2" D. 3 REBAR EXPOSED. | |
|  3306 | Maintain Concrete Superstructure Components | SF | 2 | BT. 2 RT. BOTTOM SIDE G4. SPALLED, DELAM. WITH REBAR STIRRUPS EXPOSED 4" X 24" L X 8" UNDER BOTTOM 3" DEEP. | |
|  3306 | Maintain Concrete Superstructure Components | SF | 2 | SP. 3 RT. SIDE G 4 DELAM. & SPALLED AREA OVER BT. 3 9" X 24" WITH LARGE REBAR EXPOSED. | |
|  3306 | Maintain Concrete Superstructure Components | SF | 6 | SPAN 5 G1 @ END BENT 2 SPALLED, DELAM. AND CRACKED 32" X 2 1/2" X 18" | |
|  3348 | Maintain Concrete Substructure Components | LF | 3 | LEFT END OF BENT 1 CAP AND SOUTH FACE. SPALLED, CRACKED, DELAM. & DETERIORATED FROM LEFT END OUT 4' LONG X 38" WIDE X 3' TOP AND BOTTOM WITH REBAR. | |
|  3348 | Maintain Concrete Substructure Components | LF | 3 | BT. 2 CAP LT. END, NORTH & SOUTH FACES HEAVILY CRACKED, DELAM, SPALLED & DETERIORATED. 3' N & S FACE 37" WIDE X 37" DOWN X 4" DEEP. | |
|  3348 | Maintain Concrete Substructure Components | LF | 20 | BT. 2 COL. 1 W FACE CRACKED, DELAM, SPALLED & DETERIORATED WITH EFFLO. FROM BOTTOM OF CAP DOWN 20' X 30" W X 9" ON EACH FACE 3" DEEP. | |
|  3348 | Maintain Concrete Substructure Components | LF | 4 | BT. 3 CAP LT. END CRACKED, SPALLED, DELAM. & DETERIORATED. 37" X 37" 3' ON N. & S. FACE 5" DEEP. | |
|  3348 | Maintain Concrete Substructure Components | LF | 4 | BT. 4 LT. END OF CAP CRACKED, SPALLED, DELAM. & DETERIORATED 3' ON N & S FACE AND 37" X 37" ON END 3" TO 4" DEEP. | |

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined


BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 300016

County DUPLIN

Date:


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

| MMS Code | Description of Function | Unit | Quantity | Remarks | Est. Cost |
|--|---|------|----------|--|-----------|
|  4632 | Maintenance of Concrete Pile Substructure | LF | 13 | BT. 1 COL. 1 WEST FACE CRAKED, DELAM. & DETERIORATED. TOP TO BOTTOM 13' X 31" WIDE WITH HEAVY EFFLO AND EXTENDS AROUND SOUTH & NORTH FACES 10" | |

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 300016 County DUPLIN

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

| MMS Code | MMS Description | Quantity |
|--|---|--|
| 3306 | Maintain Concrete Superstructure Components | 2 SF |
| Location: | | |
| Beams and Girders Bent/Span No. 1 SPAN 1 G4 | | |
| Priority Level | | Status |
| Priority Maintenance | | Division Bridge Maintenance Notification |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TIM EARP | CARLTON ADAMS |
| Details | | |
| SPAN 1 G4 CRACKED SPALLED AND DELAMINATED AREA ALONG BOTTOM AND BOTH FACES AT MID SPAN. AREA IS 9" HIGH X 8' 5" LONG X 18" | | |

| MMS Code | MMS Description | Quantity |
|---|---|--|
| 3306 | Maintain Concrete Superstructure Components | 5 SF |
| Location: | | |
| Beams and Girders Bent/Span No. 2 SPAN 2 G1 | | |
| Priority Level | | Status |
| Priority Maintenance | | Division Bridge Maintenance Notification |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| SP. 2 G1 FROM MIDSPAN NORTH 13'. LT., RT. FACES & BOTTOM SPALLED, CRACKED, DELAM. & PATCHED. SPALLED AREA 10" X 50" X 3 1/2" D.3 REBAR EXPOSED. | | |

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 300016 County DUPLIN

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

| MMS Code | MMS Description | Quantity |
|---|---|---|
| 3306 | Maintain Concrete Superstructure Components | 2 SF |
| Location: | | |
| Beams and Girders | | Bent/Span No. 2 BENT 2 RIGHT SIDE G 4 |
| Priority Level | Status | |
| Priority Maintenance | Division Bridge Maintenance Notification | |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| BT. 2 RT. BOTTOM SIDE G4. SPALLED, DELAM. WITH REBAR STIRRUPS EXPOSED 4" X 24" L X 8" UNDER BOTTOM 3" DEEP. | | |

| MMS Code | MMS Description | Quantity |
|--|---|--|
| 3306 | Maintain Concrete Superstructure Components | 2 SF |
| Location: | | |
| Beams and Girders | | Bent/Span No. 3 RIGHT SIDE G4 SPAN 3 |
| Priority Level | Status | |
| Priority Maintenance | Division Bridge Maintenance Notification | |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| SP. 3 RT. SIDE G 4 DELAM. & SPALLED AREA OVER BT. 3 9" X 24" WITH LARGE REBAR EXPOSED. | | |

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 300016 County DUPLIN

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

| MMS Code | MMS Description | Quantity |
|--|---|--|
| 3306 | Maintain Concrete Superstructure Components | 6 SF |
| Location: | | |
| Beams and Girders Bent/Span No. 5 G1 SPAN 5 | | |
| Priority Level | | Status |
| Priority Maintenance | | Division Bridge Maintenance Notification |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| SPAN 5 G1 @ END BENT 2 SPALLED , DELAM. AND CRACKED 32" X 2 1/2" X 18" | | |

| MMS Code | MMS Description | Quantity |
|---|---|--|
| 3348 | Maintain Concrete Substructure Components | 3 LF |
| Location: | | |
| Pier Cap Bent/Span No. 1 BENT 1 CAP LEFT END | | |
| Priority Level | | Status |
| Priority Maintenance | | Division Bridge Maintenance Notification |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| LEFT END OF BENT 1 CAP AND SOUTH FACE . SPALLED, CRACKED , DELAM. & DETERIORATED FROM LEFT END OUT 4' LONG X 38" WIDE X 3' TOP AND BOTTOM WITH REBAR. | | |

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 300016 County DUPLIN

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

| MMS Code | MMS Description | Quantity |
|---|--|-----------------|
| 3348 | Maintain Concrete Substructure Components | 3 LF |
| Location: | | |
| Pier Cap | Bent/Span No. 2 BENT 2 CAP | |
| Priority Level | Status | |
| Priority Maintenance | Division Bridge Maintenance Notification | |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| <p>BT. 2 CAP LT. END, NORTH & SOUTH FACES HEAVLY CRACKED, DELAM, SPALLED & DETERIORATED. 3' N & S FACE 37" WIDE X 37" DOWN X 4" DEEP.</p> | | |

| MMS Code | MMS Description | Quantity |
|---|---|------------------|
| 3348 | Maintain Concrete Substructure Components | 20 LF |
| Location: | | |
| Pier Substructure | Bent/Span No. 2 BENT 2 COL. 1 | |
| Priority Level | Status | |
| Priority Maintenance | Division Bridge Maintenance Notification | |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| <p>BT. 2 COL.1 W FACE CRACKED, DELAM, SPALLED & DETERIORATED WITH EFFLO. FROM BOTTOM OF CAP DOWN 20' X 30" W X 9" ON EACH FACE 3" DEEP.</p> | | |

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 300016 County DUPLIN

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

| MMS Code | MMS Description | Quantity |
|---|---|--|
| 3348 | Maintain Concrete Substructure Components | 4 LF |
| Location: | | |
| Pier Cap Bent/Span No. 3 LEFT END BENT 3 CAP | | |
| Priority Level | | Status |
| Priority Maintenance | | Division Bridge Maintenance Notification |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| BT. 3 CAP LT. END CRACKED, SPALLED, DELAM.& DETERIORATED. 37" X 37" 3' ON N. & S. FACE 5" DEEP. | | |

| MMS Code | MMS Description | Quantity |
|---|---|--|
| 3348 | Maintain Concrete Substructure Components | 4 LF |
| Location: | | |
| Pier Cap Bent/Span No. 4 LEFT END OF BENT 4 CAP | | |
| Priority Level | | Status |
| Priority Maintenance | | Division Bridge Maintenance Notification |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| BT. 4 LT. END OF CAP CRACKED, SPALLED, DELAM. & DETERIORATED 3' ON N & S FACE AND 37" X 37" ON END 3" TO 4" DEEP. | | |

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 300016 County DUPLIN

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

| MMS Code | MMS Description | Quantity |
|--|---|------------------------|
| 4632 | Maintenance of Concrete Pile Substructure | 13 LF |
| Location: | | |
| Pier Substructure | Bent/Span No. 1 | BT. 1 COL. 1 WEST FACE |
| Priority Level | Status | |
| Priority Maintenance | Division Bridge Maintenance Notification | |
| Submitted Date: | Submitted By: | Assisted By: |
| 11/18/2015 | TS EARP | CARLTON ADAMS |
| Details | | |
| BT. 1 COL. 1 WEST FACE CRAKED, DELAM. & DETERIORATED. TOP TO BOTTOM 13' X 31" WIDE WITH HEAVY EFFLO AND EXTENDS AROUND SOUTH & NORTH FACES 10" | | |



SPAN 1 G4 CRACKED SPALLED AND DELAMINATED AREA ALONG BOTTOM AND BOTH FACES AT MID SPAN.
AREA IS 9" HIGH X 8' 5" LONG X 18"



LEFT END OF BENT 1 CAP AND SOUTH FACE . SPALLED, CRACKED , DELAM. & DETERIORATED FROM LEFT END OUT 4' LONG X 38" WIDE X 3' TOP AND BOTTOM WITH REBAR.



BT. 1 COL. 1 WEST FACE CRAKED, DELAM. & DETERIORATED. TOP TO BOTTOM 13' X 31" WIDE WITH HEAVY EFFLO AND EXTENDS AROUND SOUTH & NORTH FACES 10"



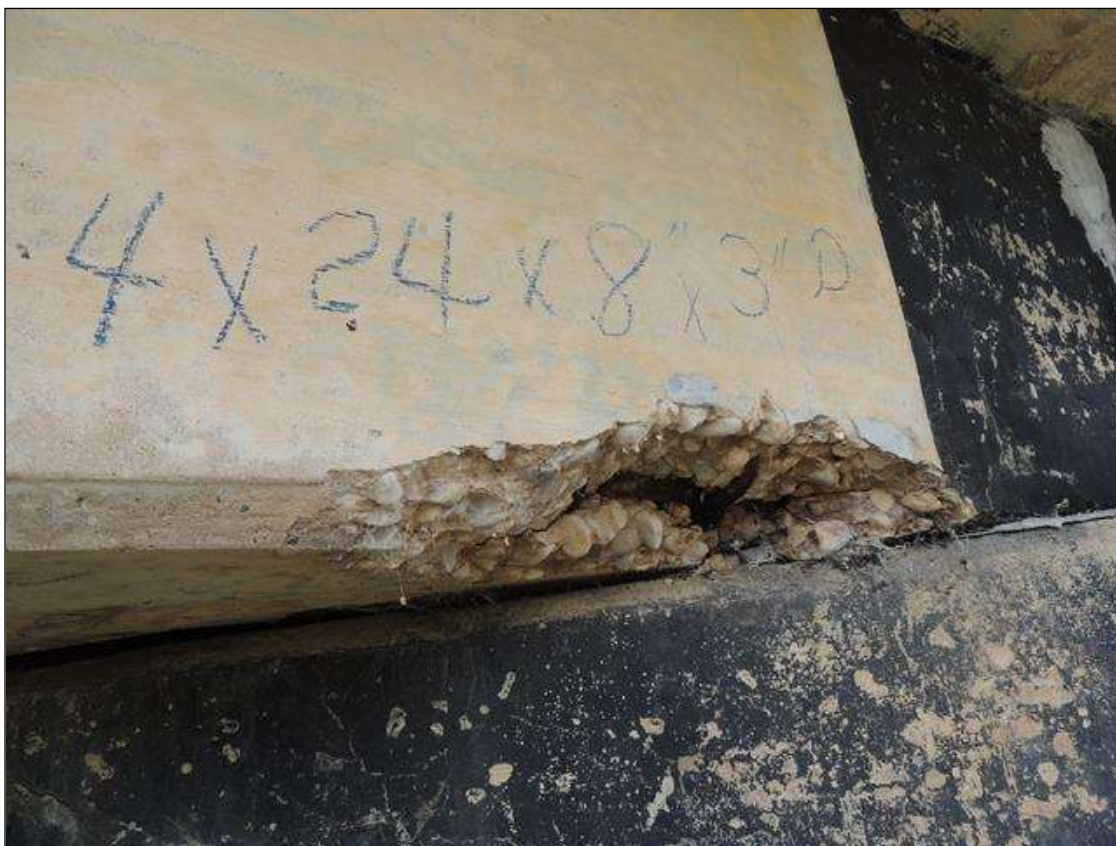
SP. 2 G1 FROM MIDSPAN NORTH 13'. LT., RT. FACES & BOTTOM SPALLED, CRACKED, DELAM. & PATCHED. SPALLED AREA 10" X 50" X 3 1/2" D.3 REBAR EXPOSED.



BT. 2 CAP LT. END, NORTH & SOUTH FACES HEAVLY CRACKED, DELAM, SPALLED & DETERIORATED. 3' N & S FACE 37" WIDE X 37" DOWN X 4" DEEP.



BT. 2 COL.1 W FACE CRACKED, DELAM, SPALLED & DETERIORATED WITH EFFLO. FROM BOTTOM OF CAP DOWN 20' X 30" W X 9" ON EACH FACE 3" DEEP.



BT. 2 RT. BOTTOM SIDE G4. SPALLED, DELAM. WITH REBAR STIRRUPS EXPOSED 4" X 24" L X 8" UNDER BOTTOM 3" DEEP.



SP. 3 RT. SIDE G 4 DELAM. & SPALLED AREA OVER BT. 3 9" X 24" WITH LARGE REBAR EXPOSED.



BT. 3 CAP LT. END CRACKED, SPALLED, DELAM.& DETERIORATED. 37" X 37" 3' ON N. & S. FACE 5" DEEP.



BT. 4 LT. END OF CAP CRACKED, SPALLED, DELAM. & DETERIORATED 3' ON N & S FACE AND 37" X 37" ON END 3" TO 4" DEEP.

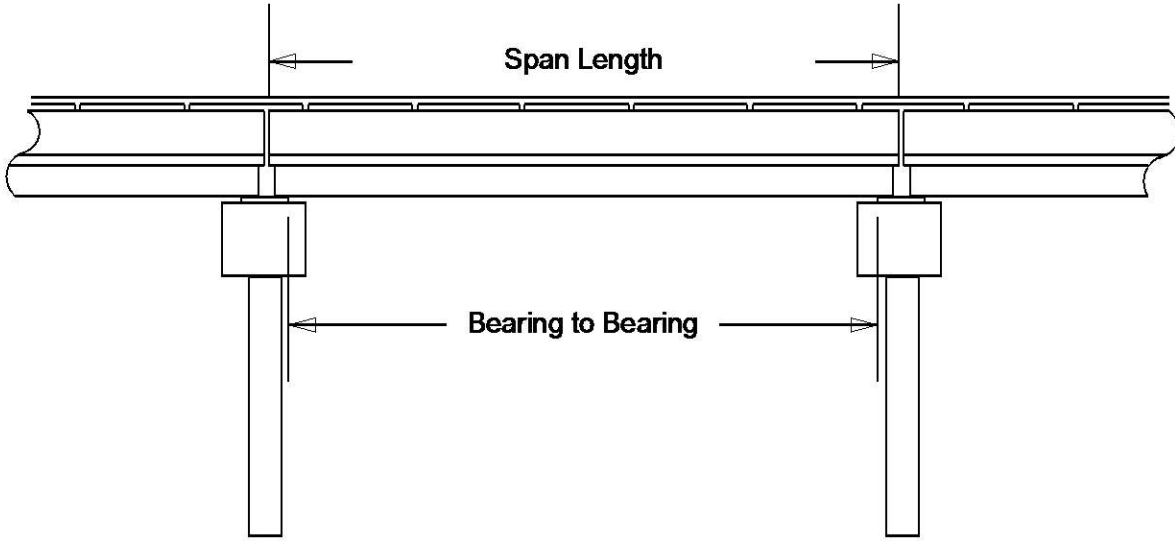


SPAN 5 G1 @ END BENT 2 SPALLED , DELAM. AND CRACKED 32" X 2 1/2" X 18"

Structure Data Worksheet

Spans

County: DUPLIN Structure No: 300016 Date: _____ Inspected By: TSE



| Span No | Span Length | Bearing to Bearing | Comments |
|---------|-------------|--------------------|-----------|
| 1 | 42.5 | 40.916' | |
| 2 | 42.5 | 40.916' | |
| 3 | 42.5 | 40.916' | |
| 4 | 42.5 | 40.916' | |
| 5 | 42.5 | 40.916' | |
| | | | NBIS 208' |

Bridge Inspection Field Sketch



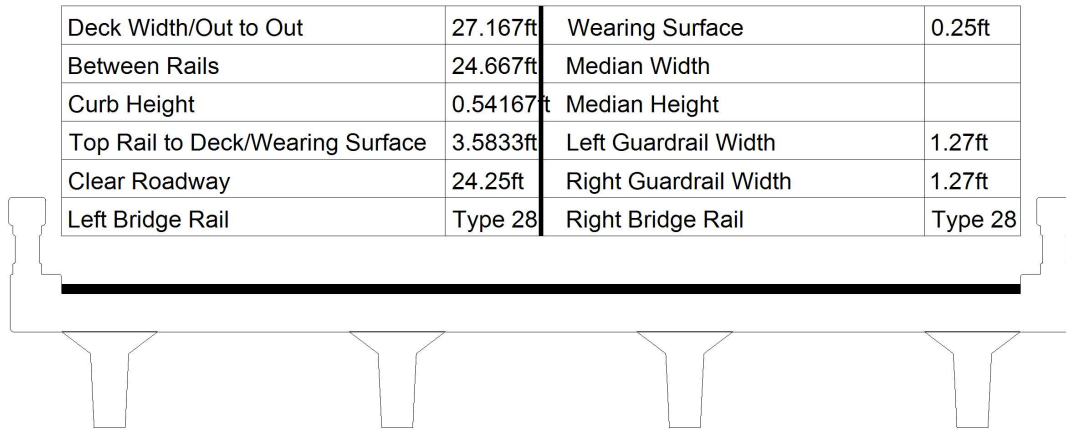
| | | | |
|-----------------|---------------|---------------|---------------|
| Roadway | 24.25ft Wide | 2 Paved Lanes | Looking North |
| Left Shoulder | 8ft Wide | | 8ft Unpaved |
| Right Shoulder | 6ft Wide | | 6ft Unpaved |
| Left Guardrail | 8ft from road | | |
| Right Guardrail | 6ft from road | | |

VERIFIED BY TS EARP 11/18/15

VERIFIED BY RGM ON 11-15-13

| | | | |
|----------------------------------|----------------------|-------------------------------------|-------------------------------|
| Title Approach Roadway | | Description Looking North | |
| Bridge No: 300016 | Drawn By: RBH | Date: 03/25/08 | File Name: S0234000493 |

Bridge Inspection Field Sketch



| | | | |
|-------------------------------|-------|----------------|--------|
| Measurements for Span # | 2 | | |
| Deck Thickness | 0.833 | Left Overhang | 3.5833 |
| Top of Rail to Bottom of Beam | 6.75 | Right Overhang | 3.5833 |

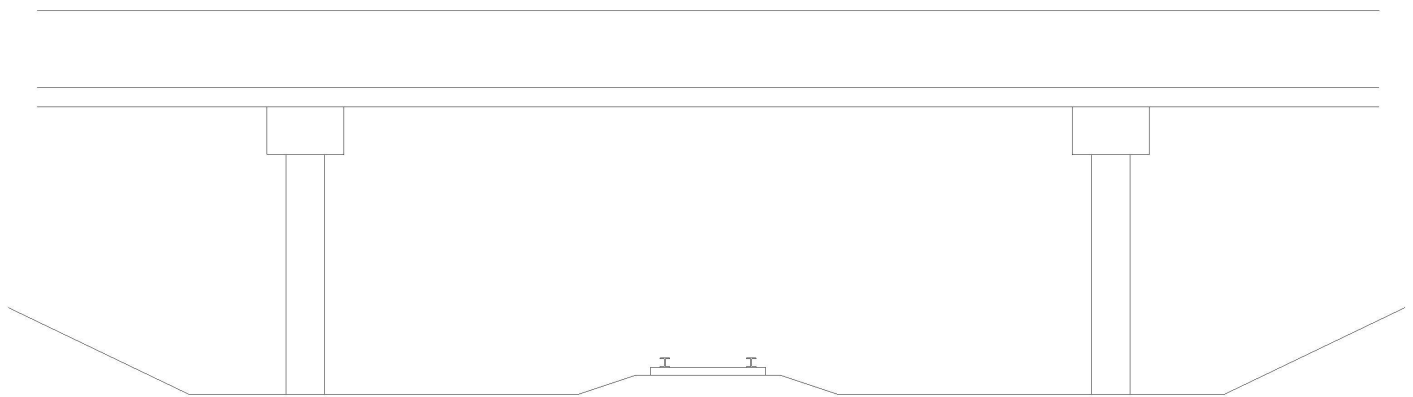
| Beam No | Beam Type | Spacing | Comments |
|---------|----------------|---------|-------------------------|
| 1 | RC Deck Girder | 6.667ft | Beams Size: 18"W x 28"H |
| 2 | RC Deck Girder | 6.667ft | |
| 3 | RC Deck Girder | 6.667ft | |
| 4 | RC Deck Girder | | |

VERIFIED BY TS EARP 11/18/15

VERIFIED BY RGM ON 11-15-13

| | | | |
|---------------------------------|---------------|---|------------------------|
| Title Typical Section | | Description 4 Lines of Concrete Tee beams | |
| Bridge No: 300016 | Drawn By: RBH | Date: 03/25/08 | File Name: S0234000494 |

Bridge Inspection Field Sketch



Measurements Under Span 3

| | | | |
|--------------------------------|---------|----------------------|---------------|
| Rail to Rail | 5ft | 1 set(s) of tracks | Looking: EAST |
| Vertical Clearance | 22ft | Measured from rail 1 | at Beam # 4 |
| Distance to Left Bent | 7.667ft | | |
| Distance to Left Toe of Slope | | | |
| Distance to Right Bent | 8.083ft | | |
| Distance to Right Toe of Slope | | | |

VERIFIED BY TS EARP 11/18/15

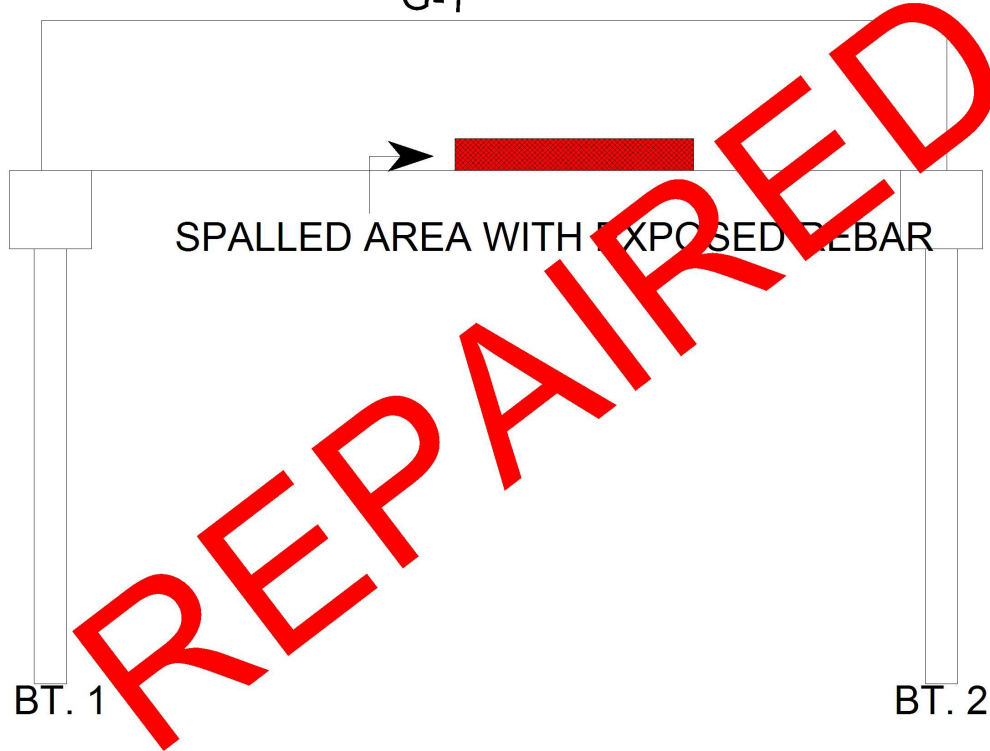
VERIFIED BY RGM ON 11-15-13

| | |
|-----------------------------------|------------------------------------|
| Title Clearance Profile | Description Looking East |
| Bridge No: 300016 | Drawn By: RBH |
| Date: 03/25/08 | File Name: S0234000495 |

Bridge Inspection Field Sketch

SPAN 2

G-1



G-1 IN SPAN 2 SIMILAR.

Title

PRIORITY MAINT.

Description

G-1 IN SPAN 2

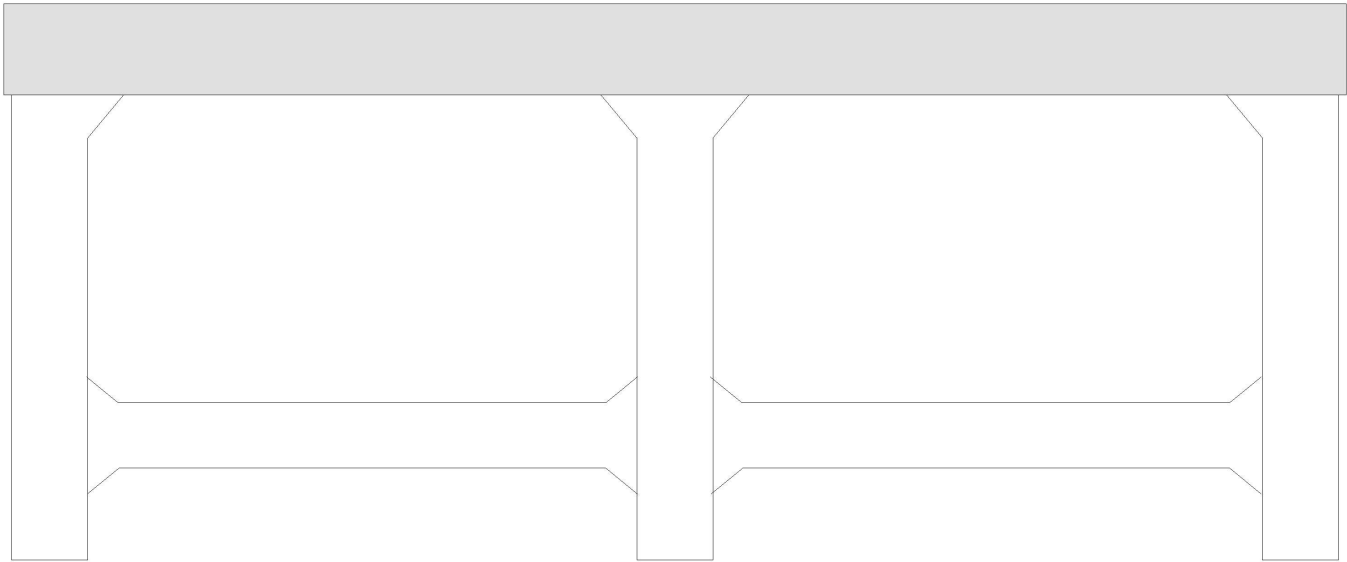
Bridge No: 300016

Drawn By: BC

Date: 11/29/2011

File Name: S0038000728

Bridge Inspection Field Sketch



| Cap Information | | | Material Cast-in-Place Concrete | | | | | | | |
|---|-----------|------------|--|----------------|--------------------------|------------------------------------|---------|--------------|----------|---------|
| Length | Width | Height | Left Overhang | Right Overhang | Left Beam to End of Cap. | Right Beam to End of Cap. | | | | |
| 44.083 ft. | 3.166 ft. | 3.000 ft. | 1.500 ft. | 1.500 ft. | 3.375 ft. | 3.375 ft. | | | | |
| Subcap Information | | | Material | | | | | | | |
| Length | Width | Height | Left Overhang | Right Overhang | Left Pile to Splice. | | | | | |
| | | | | | | | | | | |
| Sill Information | | | Material | | | | | | | |
| Length | Width | Height | | | | | | | | |
| | | | | | | | | | | |
| Pile # | Material | Spacing | Width/Dia. | Height | Length | Orientation | Driven? | Replacement? | Removed? | Collar? |
| 1 | Concrete | 20.541 ft. | 2.5 ft. | | | Vertical | No | No | No | No |
| 2 | Concrete | 20.541 ft. | 2.5 ft. | | | Vertical | No | No | No | No |
| 3 | Concrete | | 2.5 ft. | | | Vertical | No | No | No | No |
| <p style="font-size: 24px; margin: 0;">VERIFIED BY TS EARP 11/18/15</p> | | | | | | | | | | |
| Bent/Abutment #: 1 | | | Similar Bents: 2,3,AND 4 | | | VERIFIED BY RGM ON 11-15-13 | | | | |

| | | | | | | | |
|------------------------------|----------------------|--|--|-------------------------------------|-------------------------------|--|--|
| Title SUBSTRUCTURE | | | | Description LOOKING NORTH | | | |
| Bridge No: 300016 | Drawn By: RGM | | | Date: 12/10/2009 | File Name: S0042061378 | | |

Bridge Inspection Field Sketch

G-3 IN SPAN 4 AT BENT 4



G-4 IN SPAN 4 AT BENT 4 SIMILAR

LOOKING NORTH

Title

PRIORITY MAINT. 2

Description

GIRDERS

Bridge No: 300016

Drawn By: BC

Date: 12/14/2009

File Name: S0038000729