



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **PLATFORM TRUCK AND TRAFFIC CONTROL USED,
 PARS ISSUED**

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 990194 SAP STRUCTURE NO: 1000194 FHWA STRUCTURE NO: 000000001990194

DIVISION: 13 COUNTY: YANCEY INSPECTION DATE: 06/08/2023 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1314 MILE POST: _____

LOCATION: 3.8 MI.N.JCT.SR1308

FEATURE INTERSECTED: NORTH TOE RIVER

LATITUDE: 36° 0' 16.65" LONGITUDE: 82° 11' 35.28"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON PRESTRESSED CONC. GIRDERS

SUBSTRUCTURE: ABUTMENTS:REINFORCED CONCRETE;INT.BTS:RC POST&BEAM

SPANS: 4 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

GRADES: (Inspector/NBI Coding) DECK 7/7 SUPERSTRUCTURE 7/7 SUBSTRUCTURE 6/6 CULVERT N/N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



| 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> |

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS _____

SOUTH APPROACH LOOKING NORTH

| | | |
|-----------------------------|---------------|--------------------------|
| INSPECTED BY BRYAN CROOM | SIGNATURE | ASSISTED BY MARK WADE |
|-----------------------------|---------------|--------------------------|

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

08/30/2023

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE 990194
 (8) STRUCTURE NUMBER (FEDERAL) 1990194
 (5) INVENTORY ROUTE (ON/UNDER) ON 31013140
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 13
 (3) COUNTY CODE (FEDERAL) 199 (4) PLACE CODE 0
 (6) FEATURE INTERSECTED NORTH TOE RIVER
 (7) FACILITY CARRIED SR1314
 (9) LOCATION 3.8 MI.N.JCT.SR1308
 (11) MILEPOINT 0.0
 (12) BASE HIGHWAY NETWORK 0
 (13) LRS INVENTORY ROUTE & SUBROUTE 0
 (16) LATITUDE 36° 0' 16.65" (17) LONGITUDE 82° 11' 35.28"
 (98) BORDER BRIDGE STATE CODE PERCENT SHARED
 (99) BORDER BRIDGE STRUCTURE NUMBER

SUFFICIENCY RATING 99.92
 STATUS =

CLASSIFICATION **CODE**

(112) NBIS BRIDGE SYSTEM Y
 (104) HIGHWAY SYSTEM Inventory Route not on NHS 0
 (26) FUNCTIONAL CLASS Rural Local 09
 (100) STRAHNET HIGHWAY Not a STRAHNET Route 0
 (101) PARALLEL STRUCTURE 0
 (102) DIRECTION OF TRAFFIC 2-way traffic 2
 (103) TEMPORARY STRUCTURE
 (110) DESIGNATED NATIONAL NETWORK - on national network for trucks 0
 (20) TOLL On Free Road 3
 (21) MAINT - 01
 (22) OWNER - 01
 (37) HISTORICAL SIGNIFICANCE - 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN Prestressed Concrete
 TYPE Stringer/Multi-beam or girder CODE 502
 (44) STRUCTURE TYPE APPROACH
 TYPE CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 4
 (46) NUMBER OF SPANS IN APPROACH 0
 (107) DECK STRUCTURE TYPE CODE 1
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (A) TYPE OF WEARING SURFACE CODE 1
 (B) TYPE OF MEMBRANE CODE 0
 (C) TYPE OF DECK PROTECTION CODE 0

CONDITION **CODE**

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

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD H 20 + Mod 6
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-55 99
 (65) INVENTORY RATING METHOD - 1
 (66) INVENTORY RATING HS-36 64
 (70) BRIDGE POSTING No Posting Required 5
 (41) STRUCTURE OPEN, POSTED, OR CLOSED DESCRIPTION Open, no restriction A

AGE AND SERVICE

(27) YEAR BUILT 1986
 (106) YEAR RECONSTRUCTED 0
 (42) TYPE OF SERVICE ON - Highway
 OFF - Waterway CODE 15
 (28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 50
 (30) YEAR OF ADT 2000 (109) TRUCK ADT PCT 0
 (19) BYPASS OR DETOUR LENGTH 20.0

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 6
 (68) DECK GEOMETRY N
 (69) UNDERCLEARANCES, VERT & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 6
 (36) TRAFFIC SAFETY FEATURES 7
 (113) SCOUR CRITICAL BRIDGES 8

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 65.0
 (49) STRUCTURE LENGTH 264.0
 (50) CURB OR SIDEWALK: LEFT 0.0 RIGHT 0.0
 (51) BRIDGE ROADWAY WIDTH, CURB TO CURB 24.0
 (52) DECK WIDTH OUT TO OUT 26.8
 (32) APPROACH ROADWAY WITH (W/ SHOULDERS) 24.0
 (33) BRIDGE MEDIAN CODE 7
 (34) SKEW 0 (35) STRUCTURE FLARED 1111
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 0.0
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9
 (54) MIN VERT UNDERCLEAR: REFERENCE N 0.0
 (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.0
 (56) MIN LAT UNDERCLEARANCE LT: 0.0

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 100 YEAR OF FUTURE ADT 2040

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE 7
 (111) PIER PROTECTION CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0.0
 (116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0.0
 (40) NAVIGATION HORIZONTAL CLEARANCE 0.0

INSPECTION

(90) INSPECTION DATE 06/23 (91) FREQUENCY 24
 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE
 A) FRACTURE CRIT DETAIL A)
 B) UNDERWATER INSP B)
 C) OTHER SPECIAL INSP C)
 SCOUR

Superstructure Build Details

Span Number 1

Span Length 66.300

Skew 90.000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|-----------------------------|---------------------------------------|------------------|---------------------------|------------------|
| 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 264 Feet | | |
| 8 | Elastomeric Bearing Pad | Elastomeric Bearing | 8 Each | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1779 Square Feet | | |
| 2 | Concrete Railing | Reinforced Concrete Bridge Railing | 134 Feet | | |

Span Number 2

Span Length 65.830

Skew 90.000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|-----------------------------|---------------------------------------|------------------|---------------------------|------------------|
| 8 | Elastomeric Bearing Pad | Elastomeric Bearing | 8 Each | | |
| 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 264 Feet | | |
| 1 | Open Joint | Open Expansion Joint | 27 Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1767 Square Feet | | |
| 2 | Concrete Railing | Reinforced Concrete Bridge Railing | 132 Feet | | |

Span Number 3

Span Length 65.830

Skew 90.000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|-----------------------------|---------------------------------------|------------------|---------------------------|------------------|
| 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 264 Feet | | |
| 1 | Open Joint | Open Expansion Joint | 27 Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1767 Square Feet | | |
| 8 | Elastomeric Bearing Pad | Elastomeric Bearing | 8 Each | | |
| 2 | Concrete Railing | Reinforced Concrete Bridge Railing | 132 Feet | | |

Span Number 4

Span Length 66.300

Skew 90.000

| Number of Items | Type of Component | Element Name | Quantity | Protective System Applied | Quantity (Sq Ft) |
|-----------------|-----------------------------|---------------------------------------|------------------|---------------------------|------------------|
| 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 264 Feet | | |
| 1 | Reinforced Concrete Deck | Reinforced Concrete Deck | 1779 Square Feet | | |

Superstructure Build Details

| | | | | | |
|---|-------------------------|------------------------------------|----------|--|--|
| 1 | Open Joint | Open Expansion Joint | 27 Feet | | |
| 2 | Concrete Railing | Reinforced Concrete Bridge Railing | 134 Feet | | |
| 8 | Elastomeric Bearing Pad | Elastomeric Bearing | 8 Each | | |

Structure Element Scoring

Structure Number: **990194**

Inspection Date **6/8/2023**

| Element Number | Parent Number | Element Name | Location | Total Quantity | Level 1 Quantity | Level 2 Quantity | Level 3 Quantity | Level 4 Quantity |
|----------------|---------------|---------------------------------------|-------------------|----------------|------------------|------------------|------------------|------------------|
| 12 | | Reinforced Concrete Deck | Deck | 7,092 | 0 | 7,087 | 5 | 0 |
| 109 | | Prestressed Concrete Open Girder/Beam | Beam | 1,056 | 1,047 | 4 | 5 | 0 |
| 205 | | Reinforced Concrete Column | Piles and Columns | 6 | 0 | 2 | 4 | 0 |
| 215 | | Reinforced Concrete Abutment | Abutments | 140 | 135 | 5 | 0 | 0 |
| 220 | | Reinforced Concrete Pile Cap/Footing | Footing | 18 | 18 | 0 | 0 | 0 |
| 234 | | Reinforced Concrete Pier Cap | Caps | 69 | 20 | 12 | 37 | 0 |
| 521 | 234 | Concrete Protective Coating | Caps | 210 | 210 | 0 | 0 | 0 |
| 304 | | Open Expansion Joint | Expansion Joints | 81 | 52 | 8 | 21 | 0 |
| 310 | | Elastomeric Bearing | Bearing Device | 32 | 32 | 0 | 0 | 0 |
| 331 | | Reinforced Concrete Bridge Railing | Bridge Rail | 532 | 526 | 6 | 0 | 0 |

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **990194**

Inspection Date: **06/08/2023**

| MMS Code | Element Name | Defect Name | Recommended Quantity |
|-----------------|---------------------------------------|-----------------------------|-----------------------------|
| 3326 | Reinforced Concrete Deck | Cracking (RC and Other) | 7049 Square Feet |
| 3326 | Reinforced Concrete Deck | Delamination/Spall | 7 Square Feet |
| 3306 | Prestressed Concrete Open Girder/Bear | Delamination/Spall | 2 Feet |
| 3306 | Prestressed Concrete Open Girder/Bear | Cracking (PSC) | 1 Feet |
| 3306 | Prestressed Concrete Open Girder/Bear | Exposed Prestressing | 1 Feet |
| 3306 | Prestressed Concrete Open Girder/Bear | Efflorescence/Rust Staining | 1 Feet |
| 3348 | Reinforced Concrete Column | Delamination/Spall | 36 Each |
| 3348 | Reinforced Concrete Column | Cracking (RC and Other) | 27 Each |
| 3348 | Reinforced Concrete Column | Exposed Rebar | 12 Each |
| 3348 | Reinforced Concrete Pier Cap | Cracking (RC and Other) | 26 Feet |
| 3348 | Reinforced Concrete Pier Cap | Delamination/Spall | 11 Feet |
| | Open Expansion Joint | Adjacent Deck or Header | 21 Feet |
| 3318 | Reinforced Concrete Bridge Railing | Delamination/Spall | 1 Feet |

Element Structure Maintenance Quantities

Structure Number: **990194**

Inspection Date **06/08/2023**

| Location | MMS Code | Description | Maint Quantity | Total Quantity | Severe Quantity | Poor Quantity | Fair Quantity | Good Quantity |
|-------------------|----------|---|----------------|----------------|-----------------|---------------|---------------|---------------|
| Beam | 3306 | Maintenance Concrete Superstructure Components | 5 | 1056 | 0.000 | 5.000 | 4.000 | 1047.000 |
| Bearing Device | 3334 | Bridge Bearing | 0 | 32 | 0.000 | 0.000 | 0.000 | 32.000 |
| Bridge Rail | 3318 | Maintenance of Concrete Bridge Rail | 1 | 532 | 0.000 | 0.000 | 6.000 | 526.000 |
| Deck | 3326 | Maintenance of Concrete Deck | 7065 | 7092 | 0.000 | 5.000 | 7087.000 | 0.000 |
| Abutments | 3350 | Maintenance of Concrete Wings and Wall | 0 | 140 | 0.000 | 0.000 | 5.000 | 135.000 |
| Caps | 3348 | Maintenance of Concrete Substructure | 37 | 69 | 0.000 | 37.000 | 12.000 | 20.000 |
| Caps | 5603 | Partial Cleaning and Painting of Structural Steel | 0 | 210 | 0.000 | 0.000 | 0.000 | 210.000 |
| Footing | 3348 | Maintenance of Concrete Substructure | 0 | 18 | 0.000 | 0.000 | 0.000 | 18.000 |
| Piles and Columns | 3348 | Maintenance of Concrete Substructure | 75 | 6 | 0.000 | 4.000 | 2.000 | 0.000 |

Priority Actions Request

Structure Number 990194

Span2

3306 Beam 3 Prestressed Concrete Girder

| Priority Level | Defect Type | Quantity | Defect Description |
|----------------|----------------------|----------|---|
| 2 | Exposed Prestressing | 3 | Span 2 Beam 3: GIRDER END AT BENT 2, AT THE END OF THE GIRDER FOR FULL HEIGHT, SPALLING UP TO 1 INCH DEEP. THE TIPS OF THE PRESTRESSING ARE EXPOSED (PAR) |

3306 Beam 4 Prestressed Concrete Girder

| Priority Level | Defect Type | Quantity | Defect Description |
|----------------|--------------------|----------|---|
| 2 | Efflorescence/Rust | 1 | Span 2 Beam 4: GIRDER END AT BENT 1, EAST SIDE OF THE WEB, MAP CRACKING TO 1/16 INCHES WIDE WITH 9 INCHES LONG X 16 INCHES HIGH X 1/2 INCH DEEP SPALL AND AREA OF DELAMINATION WITH EFFLORESCENCE STAINING, AND RUST STAINING (PAR) |

Span3

3326 Deck Reinforced Concrete Deck

| Priority Level | Defect Type | Quantity | Defect Description |
|----------------|--------------------|----------|---|
| 2 | Delamination/Spall | 1 | Span 3 Deck: SPALLED AREA (2 FEET WIDE X 3 INCHES LONG X 4 INCHES DEEP) AT NORTH END ADJACENT TO RIGHT RAIL (PAR) |

Bent 3

3348 Cap 1 Reinforced Concrete Pier Cap

| Priority Level | Defect Type | Quantity | Defect Description |
|----------------|--------------------|----------|---|
| 2 | Delamination/Spall | 3 | Bent 3 Cap 1: SOUTH FACE AT BOTTOM CORNER, 11 FEET FROM WEST END OF CAP, 3 FEET LONG X 6 INCHES HIGH DELAMINATED/SPALLED AREA UP TO 3 INCHES DEEP (PAR) |

Approach Guardrail and Barriers

3120 Approach Guardrail and Barriers Approach Guardrail and Barriers

| Priority Level | Defect Type | Quantity | Defect Description |
|----------------|-------------|----------|---|
| 1 | | 1 | END BENT 2 LEFT SIDE GUARDRAIL ATTACHMENT MISSING 1 CONNECTION BOLT (PAR) |

Element Condition and Maintenance Data

Structure Number: 990194

Inspection Date: 06/08/2023

Span 1 Deck Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 12 | Reinforced Concrete Deck | 1,779 | 0 | 1,775 | 4 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|--|-------------------------|--|----|--------|-----------|-------------|
| <input checked="" type="checkbox"/> 12 | Delamination/Spall | (4) UP TO 32 INCHES WIDE X 7 INCHES LONG X 2 INCHES DEEP SPALLS ALONG END BENT 1 | 3 | 4 | 4 | Square Feet |
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | TOP OF THE DECK, MAP CRACKING TO 1/32 INCH THROUGHOUT | 2 | 1,775 | 1,775 | Square Feet |

General Comments

40 FEET LONG VEGETATION GROWTH IN WEST OVERHANG

Span 2 Deck Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|----------------|--------------------------|-----------|---------|---------|---------|---------|-------------|
| 12 | Reinforced Concrete Deck | 1,767 | 0 | 1,767 | 0 | 0 | Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|--|-------------------------|---|----|--------|-----------|-------------|
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | 3 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 2 JOINT | 2 | 3 | | Square Feet |
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | 5 SQUARE FEET HAIRLINE LONGITUDINAL AND TRANSVERSE CRACKS EXTENDING FROM BENT 1 JOINT | 2 | 5 | | Square Feet |
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | TOP OF THE DECK, MAP CRACKING TO 1/32 INCH THROUGHOUT | 2 | 1,759 | 1,759 | Square Feet |

General Comments

Span 2 Beam 3 Prestressed Concrete Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty | |
|----------------|---------------------------------------|-----------|---------|---------|---------|---------|------|
| 109 | Prestressed Concrete Open Girder/Beam | 66 | 64 | 0 | 2 | 0 | Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|---|----------------------|--|----|--------|-----------|------|
| <input checked="" type="checkbox"/> 109 | Delamination/Spall | GIRDER END AT BENT 1, LEFT SIDE OF THE WEB, MAP CRACKING TO 1/16 INCHES WIDE WITH 9 INCHES LONG X 6 INCHES HIGH X 1/2 INCH DEEP SPALL WITH ADJACENT DELAMINATION | 3 | 1 | 1 | Feet |
| <input checked="" type="checkbox"/> 109 | Exposed Prestressing | GIRDER END AT BENT 2, AT THE END OF THE GIRDER FOR FULL HEIGHT, SPALLING UP TO 1 INCH DEEP. THE TIPS OF THE PRESTRESSING ARE EXPOSED (PAR) | 3 | 1 | 1 | Feet |

General Comments

Span 2 **Beam 4**
Prestressed Concrete Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|---------------------------------------|-----------|---------|---------|---------|---------|
| 109 | Prestressed Concrete Open Girder/Beam | 66 | 64 | 1 | 1 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-----------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 109 | Efflorescence/Rust Staining | GIRDER END AT BENT 1, EAST SIDE OF THE WEB, MAP CRACKING TO 1/16 INCHES WIDE WITH 9 INCHES LONG X 16 INCHES HIGH X 1/2 INCH DEEP SPALL AND AREA OF DELAMINATION WITH EFFLORESCENCE STAINING, AND RUST STAINING (PAR) | 3 | 1 | 1 Feet |
| <input checked="" type="checkbox"/> 109 | Patched Area | SOUND PATCHING, FORMERLY 12 INCHES WIDE X 15 INCHES HIGH X 2 INCHES DEEP SPALL, WITH EXPOSED STRAND ENDS, SOUTH FACE | 2 | 1 | Feet |

General Comments

Span 2 **Expansion Joint**
Open Joint

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|----------------------|-----------|---------|---------|---------|---------|
| 304 | Open Expansion Joint | 27 | 12 | 0 | 15 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 304 | Adjacent Deck or Header | BENT 1 OPEN JOINT, CHIPPING UP TO 7 INCHES WIDE X 3/4 INCHES LONG X 3/4 INCHES DEEP, SCATTERED | 3 | 15 | 15 Feet |

General Comments

Span 2 **Left Bridge Rail**
Concrete Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------------|-----------|---------|---------|---------|---------|
| 331 | Reinforced Concrete Bridge Railing | 66 | 64 | 2 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 331 | Cracking (RC and Other) | (2) HAIRLINE VERTICAL AND TRANSVERSE CRACKS | 2 | 2 | Feet |

General Comments

Span 2 **Right Bridge Rail**
Concrete Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------------|-----------|---------|---------|---------|---------|
| 331 | Reinforced Concrete Bridge Railing | 66 | 65 | 1 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 331 | Cracking (RC and Other) | VERTICAL CRACKING TO 1/32 INCH WITH EFFLORESCENCE STAINING NEAR MID SPAN | 2 | 1 | Feet |

General Comments

Span 3 Deck
Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 12 | Reinforced Concrete Deck | 1,767 | 0 | 1,766 | 1 | 0 Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|--|-------------------------|--|----|--------|-------------------|
| <input checked="" type="checkbox"/> 12 | Delamination/Spall | SPALLED AREA (2 FEET WIDE X 3 INCHES LONG X 4 INCHES DEEP) AT NORTH END ADJACENT TO RIGHT RAIL (PAR) | 3 | 1 | 1 Square Feet |
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | 12 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 3 JOINT | 2 | 12 | Square Feet |
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | 7 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 2 JOINT | 2 | 7 | Square Feet |
| <input checked="" type="checkbox"/> 12 | Cracking (RC and Other) | TOP OF THE DECK, MAP CRACKING TO 1/32 INCH THROUGHOUT | 2 | 1,747 | 1,747 Square Feet |

General Comments

Span 3 Beam 2
Prestressed Concrete Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|---------------------------------------|-----------|---------|---------|---------|---------|
| 109 | Prestressed Concrete Open Girder/Beam | 66 | 65 | 0 | 1 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|--------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 109 | Delamination/Spall | GIRDER END AT BENT 2, RIGHT LOWER FLANGE, DIAGONAL CRACKING TO 1/32 INCH WIDE WITH RUST STAINING AND ADJACENT DELAMINATION 10 INCHES LONG X 8 INCHES HIGH | 3 | 1 | 1 Feet |

General Comments

Span 3 Beam 4
Prestressed Concrete Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|---------------------------------------|-----------|---------|---------|---------|---------|
| 109 | Prestressed Concrete Open Girder/Beam | 66 | 65 | 0 | 1 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|----------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 109 | Cracking (PSC) | GIRDER END ON RIGHT SIDE AT BENT 3 APPROXIMATELY 3 INCHES BACK, VERTICAL CRACKING TO 1/16 INCH WIDE | 3 | 1 | 1 Feet |

General Comments

Span 3 Expansion Joint
Open Joint

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|----------------------|-----------|---------|---------|---------|---------|
| 304 | Open Expansion Joint | 27 | 19 | 8 | 0 | 0 Feet |

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

| | | | | | | |
|-------------------------------------|------------|-------------------------|--|---|---|------|
| <input checked="" type="checkbox"/> | 304 | Adjacent Deck or Header | BENT 2 OPEN JOINT, CHIPPING UP TO 5 INCHES WIDE X 3/4 INCHES LONG X 3/4 INCHES DEEP, SCATTERED | 2 | 8 | Feet |
|-------------------------------------|------------|-------------------------|--|---|---|------|

General Comments

Span 3 Left Bridge Rail

Concrete Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------------|-----------|---------|---------|---------|---------|
| 331 | Reinforced Concrete Bridge Railing | 66 | 65 | 1 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|-------------------------------------|-------------|-------------------------|--|--------|-----------|------|
| <input checked="" type="checkbox"/> | 331 | Cracking (RC and Other) | (1) HAIRLINE VERTICAL AND TRANSVERSE CRACK NEAR MID SPAN | 2 | 1 | Feet |

General Comments

Span 4 Deck

Reinforced Concrete Deck

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|--------------------------|-----------|---------|---------|---------|---------------|
| 12 | Reinforced Concrete Deck | 1,779 | 0 | 1,779 | 0 | 0 Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|-------------------------------------|-------------|-------------------------|--|--------|-----------|-------------------|
| <input checked="" type="checkbox"/> | 12 | Cracking (RC and Other) | 3 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 3 JOINT | 2 | 3 | Square Feet |
| <input checked="" type="checkbox"/> | 12 | Cracking (RC and Other) | 6 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM END BENT 2 | 2 | 6 | Square Feet |
| <input checked="" type="checkbox"/> | 12 | Cracking (RC and Other) | TOP OF THE DECK, MAP CRACKING TO 1/32 INCH THROUGHOUT | 2 | 1,768 | 1,768 Square Feet |
| <input checked="" type="checkbox"/> | 12 | Delamination/Spall | (3) UP TO 12 INCHES WIDE X 1.5 INCHES LONG X 1.5 INCHES DEEP SPALLS ALONG END BENT 2 | 2 | 2 | 2 Square Feet |

General Comments

40 FEET LONG VEGETATION GROWTH IN WEST OVERHANG

Span 4 Beam 2

Prestressed Concrete Girder

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|---------------------------------------|-----------|---------|---------|---------|---------|
| 109 | Prestressed Concrete Open Girder/Beam | 66 | 63 | 3 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty | |
|-------------------------------------|-------------|--------------------|---|--------|-----------|------|
| <input checked="" type="checkbox"/> | 109 | Patched Area | PATCH AREA, FORMERLY 3 FEET LONG X UP TO 5 INCHES HIGH X 3 INCHES DEEP SPALL WITH EXPOSED STRAND, WEST FACE, 8 FEET FROM BENT 3 | 2 | 3 | Feet |

General Comments

Span 4 Expansion Joint
Open Joint

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|----------------------|-----------|---------|---------|---------|---------|
| 304 | Open Expansion Joint | 27 | 21 | 0 | 6 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 304 | Adjacent Deck or Header | BENT 3 OPEN JOINT, CHIPPING UP TO 24 INCHES WIDE X 3 INCHES LONG X 4 INCHES DEEP, SCATTERED | 3 | 6 | 6 Feet |

General Comments

Span 4 Left Bridge Rail
Concrete Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------------|-----------|---------|---------|---------|---------|
| 331 | Reinforced Concrete Bridge Railing | 67 | 66 | 1 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 331 | Cracking (RC and Other) | (1) HAIRLINE VERTICAL AND TRANSVERSE CRACK NEAR MID SPAN | 2 | 1 | Feet |

General Comments

Span 4 Right Bridge Rail
Concrete Railing

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------------|-----------|---------|---------|---------|---------|
| 331 | Reinforced Concrete Bridge Railing | 67 | 66 | 1 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|--------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 331 | Delamination/Spall | 9 INCHES LONG X 3 INCHES HIGH X 1/2 INCH DEEP SPALL, 17 FEET FROM BENT 3 | 2 | 1 | 1 Feet |

General Comments

End Bent 1 Abutment
Reinforced Concrete Abutment

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 215 | Reinforced Concrete Abutment | 70 | 68 | 2 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 215 | Cracking (RC and Other) | (2) UP TO 12 FEET X 1/64 INCH WIDE VERTICAL CRACKS, AT RANDOM THROUGHOUT NORTH FACE. | 2 | 2 | Feet |

General Comments

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

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------------|
| 234 | Reinforced Concrete Pier Cap | 23 | 0 | 8 | 15 | 0 Feet |
| 521 | Concrete Protective Coating | 70 | 70 | 0 | 0 | 0 Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 234 | Cracking (RC and Other) | 5 FEET 1/16 INCH WIDE LONGITUDINAL CRACK WITH RUST STAINS ON BOTTOM OF CAP AT WEST END | 3 | 2 | Feet |
| <input checked="" type="checkbox"/> 234 | Cracking (RC and Other) | LOWER 3 INCHES OF THE CAP, SCATTERED ALONG THE LENGTH OF BOTH FACES HORIZONTAL CRACKING TO 1/16 INCH WIDE WITH RUST STAINING | 3 | 8 | 8 Feet |
| <input checked="" type="checkbox"/> 234 | Delamination/Spall | 12 INCHES DIAMETER X 1 INCH DEEP SPALL AND AREA OF DELAMINATION ON BOTTOM OF CAP AT WEST END | 3 | 1 | 1 Feet |
| <input checked="" type="checkbox"/> 234 | Delamination/Spall | 22 INCHES LONG X 30 INCHES WIDE AREA OF DELAMINATION ON BOTTOM OF CAP AT EAST END | 3 | 2 | 2 Feet |
| <input checked="" type="checkbox"/> 234 | Delamination/Spall | 30 INCHES DIAMETER DELAMINATED AREA WITH RUST STAINING, NORTH FACE, EAST END OF CAP | 3 | 2 | 2 Feet |
| <input checked="" type="checkbox"/> 234 | Cracking (RC and Other) | SCATTERED IN THE CAP FACES, MAP CRACKING TO 1/32 INCH WIDE | 2 | 8 | Feet |

General Comments**Bent 1****Pile 1****Reinforced Concrete Column**

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

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|------------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 205 | Delamination/Spall | 4 FEET HIGH X 10 INCHES WIDE X 1/2 INCH DEEP SPALL AND AREA OF DELAMINATION WITH EFFLORESCENCE ON SOUTHEAST FACE, 5 FEET FROM BOTTOM OF CAP | 3 | 1 | 4 Each |
| <input checked="" type="checkbox"/> 205 | Abrasion/Wear (PSC/RC) | 1 FOOT HIGH ABRASION AT WATERLINE | 2 | | Each |

General Comments**Bent 1****Pile 2****Reinforced Concrete Column**

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

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 205 | Cracking (RC and Other) | SCATTERED IN THE COLUMN, GENERALLY ON THE NORTH SIDE, VERTICAL CRACKING AND MAP CRACKING TO 1/16 INCH WIDE WITH RUST STAINING | 3 | 1 | 15 Each |

Structure Number: **990194**

Inspection Date: **06/08/2023**

| | | | | | | |
|-------------------------------------|------------|------------------------|---|---|----|------|
| <input checked="" type="checkbox"/> | 205 | Delamination/Spall | NORTH SIDE OF COLUMN, DELAMINATED AREA WITH ADJACENT SPALLS 15 FEET HIGH X 10 INCHES WIDE X 1/2 INCH DEEP | 3 | 15 | Each |
| <input checked="" type="checkbox"/> | 205 | Abrasion/Wear (PSC/RC) | 1 FOOT ABRASION AT WATERLINE | 2 | | Each |

General Comments

Bent 2 Cap 1
Reinforced Concrete Pier Cap

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------------|
| 234 | Reinforced Concrete Pier Cap | 23 | 12 | 0 | 11 | 0 Feet |
| 521 | Concrete Protective Coating | 70 | 70 | 0 | 0 | 0 Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|-------------------------------------|-------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> | 234 | Cracking (RC and Other) | | | |
| | | LOWER 3 INCHES OF THE CAP, SCATTERED ALONG THE LENGTH OF CAP UNDER BAYS 1 AND 2, HORIZONTAL CRACKING TO 1/16 INCH WIDE WITH RUST STAINING | 3 | 4 | 4 Feet |
| <input checked="" type="checkbox"/> | 234 | Cracking (RC and Other) | | | |
| | | SCATTERED IN THE NORTH CAP FACE MAP CRACKING TO 1/32 INCH WIDE. IN THE NORTH FACE THE MAP CRACKING HAS ASSOCIATED DELAMINATION AND RUST STAINING | 3 | 4 | 6 Feet |
| <input checked="" type="checkbox"/> | 234 | Delamination/Spall | | | |
| | | NORTH FACE AT BAY 2 AND UNDER GIRDER 2, (4) AREAS UP TO 12 INCHES DIAMETER X 3/4 INCHES DEEP SPALLS AND DELAMINATION | 3 | 3 | 3 Feet |

General Comments

Bent 2 Pile 1
Reinforced Concrete Column

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

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|-------------------------------------|-------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> | 205 | Cracking (RC and Other) | | | |
| | | SCATTERED IN THE COLUMN, ON BOTH SIDES, VERTICAL CRACKING AND MAP CRACKING TO 1/16 INCH WIDE AND SCATTERED RUST STAINING | 3 | 1 | 12 Each |
| <input checked="" type="checkbox"/> | 205 | Delamination/Spall | | | |
| | | NORTH SIDE ADJACENT TO BOTOM OF CAP, SPALLED AREA WITH ADJACENT DELAMINATION 1 FOOT HIGH X 8 INCHES WIDE X 1 INCH DEEP | 3 | | 1 Each |
| <input checked="" type="checkbox"/> | 205 | Abrasion/Wear (PSC/RC) | | | |
| | | 1 FOOT ABRASION AT WATERLINE | 2 | | Each |
| <input checked="" type="checkbox"/> | 205 | Exposed Rebar | | | |
| | | 12 FEET HIGH X 1 FOOT WIDE X 1 INCH DEEP SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON SOUTH FACE | 2 | | 12 Each |

General Comments

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

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

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|------------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 205 | Delamination/Spall | 4 FEET HIGH X 10 INCHES WIDE AREA OF DELAMINATION WITH 8 INCHES HIGH X 8 INCHES WIDE X 1/2 INCH DEEP SPALL ON NORTH FACE | 3 | | 4 Each |
| <input checked="" type="checkbox"/> 205 | Delamination/Spall | SCATTERED IN THE COLUMN, ON BOTH SIDES, VERTICAL CRACKING AND MAP CRACKING TO 1/16 INCH WIDE WITH ASSOCIATED DELAMINATION | 3 | 1 | 12 Each |
| <input checked="" type="checkbox"/> 205 | Abrasion/Wear (PSC/RC) | 1 FOOT ABRASION AT WATERLINE | 2 | | Each |

General Comments**End Bent 2****Abutment****Reinforced Concrete Abutment**

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------|
| 215 | Reinforced Concrete Abutment | 70 | 67 | 3 | 0 | 0 Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|--|----|--------|-----------|
| <input checked="" type="checkbox"/> 215 | Cracking (RC and Other) | (3) UP TO 8 FEET HIGH X 1/32 INCH WIDE VERTICAL CRACKS, AT RANDOM THROUGHOUT SOUTH FACE. | 2 | 3 | Feet |

General Comments

VEGETATION GROWTH ON NORTHWEST ABUTMENT EXTENSION

Bent 3**Cap 1****Reinforced Concrete Pier Cap**

| Element Number | Element Name | Total Qty | CS1 Qty | CS2 Qty | CS3 Qty | CS4 Qty |
|----------------|------------------------------|-----------|---------|---------|---------|---------------|
| 234 | Reinforced Concrete Pier Cap | 23 | 8 | 4 | 11 | 0 Feet |
| 521 | Concrete Protective Coating | 70 | 70 | 0 | 0 | 0 Square Feet |

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|-------------------------|---|----|--------|-----------|
| <input checked="" type="checkbox"/> 234 | Cracking (RC and Other) | NORTH FACE, LOWER 3 INCHES OF THE CAP AT THE EAST END, HORIZONTAL CRACKING WITH RUST LEAKAGE TO 1/16 INCH WIDE | 3 | 8 | 8 Feet |
| <input checked="" type="checkbox"/> 234 | Delamination/Spall | SOUTH FACE AT BOTTOM CORNER, 11 FEET FROM WEST END OF CAP, 3 FEET LONG X 6 INCHES HIGH DELAMINATED/SPALLED AREA UP TO 3 INCHES DEEP (PAR) | 3 | 3 | 3 Feet |
| <input checked="" type="checkbox"/> 234 | Cracking (RC and Other) | SCATTERED IN THE CAP FACES, HAIRLINE MAP CRACKING | 2 | 4 | Feet |

General Comments

Bent 3 Pile 1

Reinforced Concrete Column

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

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|------------------------|------------------------------|----|--------|-----------|
| <input checked="" type="checkbox"/> 205 | Abrasion/Wear (PSC/RC) | 1 FOOT ABRASION AT WATERLINE | 2 | 1 | Each |

General Comments

Bent 3 Pile 2

Reinforced Concrete Column

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

| Element Number | Defect Type | Defect Description | CS | CS Qty | Maint Qty |
|---|------------------------|------------------------------|----|--------|-----------|
| <input checked="" type="checkbox"/> 205 | Abrasion/Wear (PSC/RC) | 1 FOOT ABRASION AT WATERLINE | 2 | 1 | Each |

General Comments

Elements Verified

| Location | Name | Component | Element Name | Amount |
|----------|-------------------|-----------------------------|---------------------------------------|--------|
| Span 1 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1779 |
| Span 1 | Beam 1 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 1 | Beam 2 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 1 | Beam 3 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 1 | Beam 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 1 | Left Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 67 |
| Span 1 | Right Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 67 |
| Span 1 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 1 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1767 |
| Span 2 | Beam 1 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 2 | Beam 2 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 2 | Beam 3 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 2 | Beam 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 2 | Left Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 66 |
| Span 2 | Right Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 66 |
| Span 2 | Expansion Joint | Open Joint | Open Expansion Joint | 27 |
| Span 2 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 2 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1767 |
| Span 3 | Beam 1 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 3 | Beam 2 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 3 | Beam 3 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 3 | Beam 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 3 | Left Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 66 |
| Span 3 | Right Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 66 |
| Span 3 | Expansion Joint | Open Joint | Open Expansion Joint | 27 |
| Span 3 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |

Elements Verified

| Location | Name | Component | Element Name | Amount |
|------------|-------------------|------------------------------|---------------------------------------|--------|
| Span 3 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 3 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Deck | Reinforced Concrete Deck | Reinforced Concrete Deck | 1779 |
| Span 4 | Beam 1 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 4 | Beam 2 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 4 | Beam 3 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 4 | Beam 4 | Prestressed Concrete Girder | Prestressed Concrete Open Girder/Beam | 66 |
| Span 4 | Left Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 67 |
| Span 4 | Right Bridge Rail | Concrete Railing | Reinforced Concrete Bridge Railing | 67 |
| Span 4 | Expansion Joint | Open Joint | Open Expansion Joint | 27 |
| Span 4 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Near Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Span 4 | Far Bearing | Elastomeric Bearing Pad | Elastomeric Bearing | 1 |
| Bent 1 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 23 |
| Bent 1 | Pile 1 | Reinforced Concrete Column | Reinforced Concrete Column | 1 |
| Bent 1 | Pile 2 | Reinforced Concrete Column | Reinforced Concrete Column | 1 |
| End Bent 1 | Abutment | Reinforced Concrete Abutment | Reinforced Concrete Abutment | 70 |
| Bent 2 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 23 |
| Bent 2 | Pile 1 | Reinforced Concrete Column | Reinforced Concrete Column | 1 |
| Bent 2 | Pile 2 | Reinforced Concrete Column | Reinforced Concrete Column | 1 |
| End Bent 2 | Abutment | Reinforced Concrete Abutment | Reinforced Concrete Abutment | 70 |
| Bent 3 | Cap 1 | Reinforced Concrete Pier Cap | Reinforced Concrete Pier Cap | 23 |
| Bent 3 | Pile 1 | Reinforced Concrete Column | Reinforced Concrete Column | 1 |
| Bent 3 | Pile 2 | Reinforced Concrete Column | Reinforced Concrete Column | 1 |

General Inspection Notes

Bent 1 Footing
NOT VISIBLE FOR INSPECTION.

Bent 2 Footing
NOT VISIBLE FOR INSPECTION.

Bent 3 Footing
NOT VISIBLE FOR INSPECTION.

National Bridge and NC Inspection Items

Structure Number: 990194

Inspection Date: 06/08/2023

National Bridge Inventory Items

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

Note:
Items 58,59,60,62 reflect this inspection only.

For overall NBI coding grade, see cover sheet.

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

NC SMU Inspection Items

| Item | Grade Scale | Grade | Maint. Qty. | Maint. Code |
|---------------------------|---------------|-------|-------------|-------------|
| Deck Debris | G, F, P, or C | G | 0 | 3376 |
| Drainage System | G, F, P, or C | G | 0 | 3332 |
| Utilities | G, F, P, or C | | | |
| Slope Protection | G, F, P, or C | | 0 | 3352 |
| Scour | G, F, P, or C | G | | |
| Wingwall | G, F, P, or C | | 0 | 3350 |
| Field Scour Evaluation | | G | | |
| Drift | G, F, P, or C | F | 8 | 3366 |
| Fender System | G, F, P, or C | | 0 | 3364 |
| Movable Span Machinery | G, F, P, or C | | | |
| Response to Live Load | G, F, P, or C | G | | |
| Superstructure Paint Code | | | | |

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

Inspection Information

| Item | Grade Scale | Grade |
|--|-------------|-------|
| Sign Noticed Issued | YES/NO | N |
| Priority Maintenance Request Submitted | YES/NO | Y |
| Inspection Time | Hours | 10 |
| Traffic Control Time | Hours | 3 |
| Snooper Time | Hours | 3 |
| Ladder Used | YES/NO | N |
| Bucket Truck Used | YES/NO | N |
| Boat Used | YES/NO | N |
| Other Equipment Used | YES/NO | N |
| Portion of Structure in > 3' of water | YES/NO | N |

National Bridge and NC SMU Inspection Item Details

Structure Number: 990194

Inspection Date: 06/08/2023

| | | | | | | | |
|-------------|--------------------------------------|--------------|---|-------------------|--|-------------|---|
| Item | Approach Roadway Alignment - Item 72 | Grade | 6 | Maint Code | | Qty. | 0 |
|-------------|--------------------------------------|--------------|---|-------------------|--|-------------|---|

Details PERPENDICULAR ROADS INTERSECT BRIDGE AT BOTH ENDS

| | | | | | | | |
|-------------|-------|--------------|---|-------------------|------|-------------|---|
| Item | Drift | Grade | F | Maint Code | 3366 | Qty. | 8 |
|-------------|-------|--------------|---|-------------------|------|-------------|---|

Details DRIFT AT NORTH SIDE OF BENT 1, 2 INCHES TO 10 INCHES DIAMETER

DRIFT (2 FEET DIAMETER) AT END BENT 2 ABUTMENT

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

Details END BENT 2 LEFT SIDE GUARDRAIL ATTACHMENT MISSING 1 CONNECTION BOLT (PAR)

40 FEET LONG VEGETATION GROWTH IN WEST OVERHANG IN SPANS 1 AND 4

END BENT 1 ASPHALT WEARING SURFACE APPROACH 30 SQUARE FEET OF UP TO 1/4 INCH WIDE CRACKING

END BENT 2 ASPHALT WEARING SURFACE APPROACH 25 SQUARE FEET OF UP TO 1/8 INCH WIDE CRACKING



40 FEET OF VEGETATION GROWTH IN WEST OVERHANG



DRIFT AT NORTH SIDE OF BENT 1, 2 INCHES TO 10 INCHES DIAMETER



Bent 1 Cap 1: 12 INCHES DIAMETER X 1 INCH DEEP SPALL AND AREA OF DELAMINATION ON BOTTOM OF CAP AT WEST END



Bent 1 Cap 1: 22 INCHES LONG X 30 INCHES WIDE AREA OF DELAMINATION ON BOTTOM OF CAP AT EAST END



Bent 1 Cap 1: 5 FEET 1/16 INCH WIDE LONGITUDINAL CRACK WITH RUST STAINS ON BOTTOM OF CAP AT WEST END



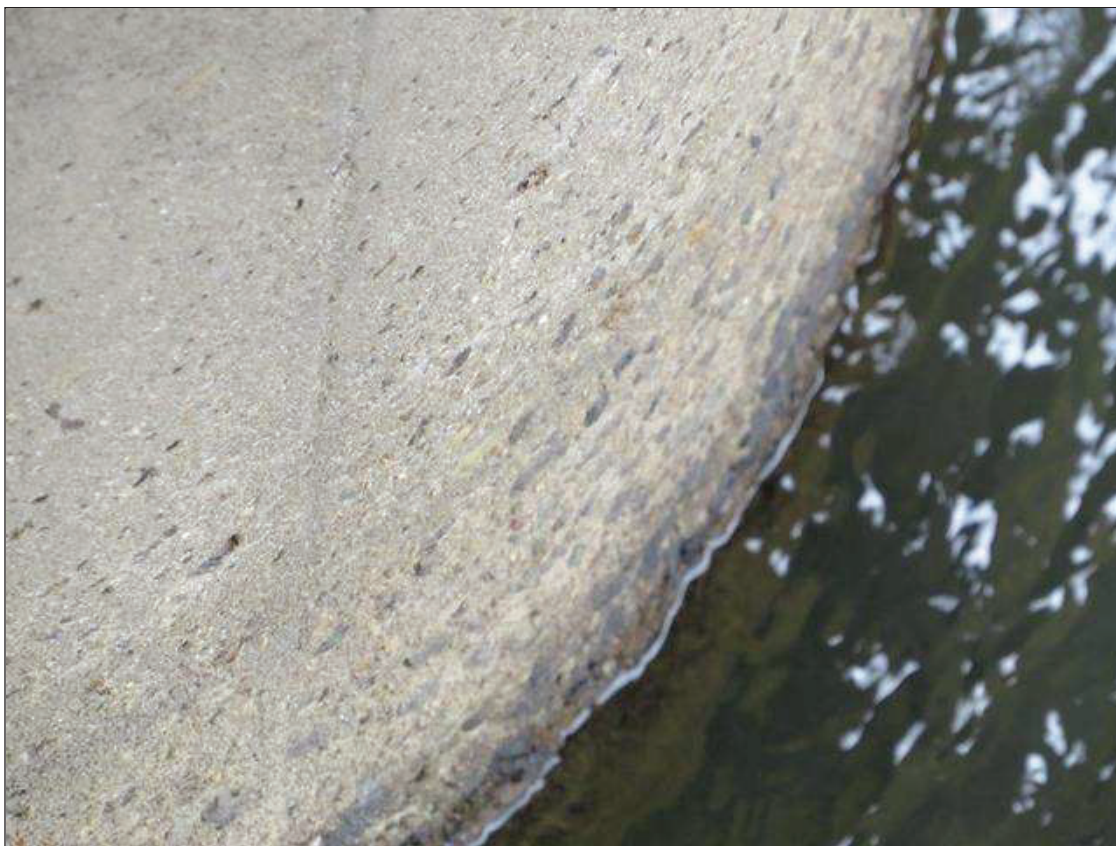
Bent 1 Cap 1: LOWER 3 INCHES OF THE CAP, SCATTERED ALONG THE LENGTH OF BOTH FACES HORIZONTAL CRACKING TO 1/16 INCH WIDE WITH RUST STAINING



Bent 1 Cap 1: SCATTERED IN THE CAP FACES, MAP CRACKING TO 1/32 INCH WIDE



Bent 1 Pile 1: 4 FEET HIGH X 10 INCHES WIDE X 1/2 INCH DEEP SPALL AND AREA OF DELAMINATION WITH EFFLORESCENCE ON SOUTHEAST FACE, 5 FEET FROM BOTTOM OF CAP



Bent 1 Pile 1: 1 FOOT HIGH ABRASION AT WATERLINE



Span 2 Beam 4: GIRDER END AT BENT 1, EAST SIDE OF THE WEB, MAP CRACKING TO 1/16 INCHES WIDE WITH 9 INCHES LONG X 16 INCHES HIGH X 1/2 INCH DEEP SPALL AND AREA OF DELAMINATION WITH EFFLORESCENCE STAINING, AND RUST STAINING (PAR)



Span 2 Beam 4: SOUND PATCHING, FORMERLY 12 INCHES WIDE X 15 INCHES HIGH X 2 INCHES DEEP SPALL, WITH EXPOSED STRAND ENDS, SOUTH FACE



Bent 1 Pile 2: SCATTERED IN THE COLUMN, GENERALLY ON THE NORTH SIDE, VERTICAL CRACKING AND MAP CRACKING TO 1/16 INCH WIDE WITH RUST STAINING



Bent 1 Pile 2: NORTH SIDE OF COLUMN, DELAMINATED AREA WITH ADJACENT SPALLS 15 FEET HIGH X 10 INCHES WIDE X 1/2 INCH DEEP



Bent 1 Cap 1: 30 INCHES DIAMETER DELAMINATED AREA WITH RUST STAINING, NORTH FACE, EAST END OF CAP



Span 2 Beam 3: GIRDER END AT BENT 1, LEFT SIDE OF THE WEB, MAP CRACKING TO 1/16 INCHES WIDE WITH 9 INCHES LONG X 6 INCHES HIGH X 1/2 INCH DEEP SPALL WITH ADJACENT DELAMINATION



Bent 2 Pile 2: SCATTERED IN THE COLUMN, ON BOTH SIDES, VERTICAL CRACKING AND MAP CRACKING TO 1/16 INCH WIDE WITH ASSOCIATED DELAMINATION



Bent 2 Pile 1: 12 FEET HIGH X 1 FOOT WIDE X 1 INCH DEEP SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON SOUTH FACE



Bent 2 Pile 1: SCATTERED IN THE COLUMN, ON BOTH SIDES, VERTICAL CRACKING AND MAP CRACKING TO 1/16 INCH WIDE AND SCATTERED RUST STAINING



Span 2 Beam 3: GIRDER END AT BENT 2, AT THE END OF THE GIRDER FOR FULL HEIGHT, SPALLING UP TO 1 INCH DEEP. THE TIPS OF THE PRESTRESSING ARE EXPOSED (PAR)



Span 3 Beam 2: GIRDER END AT BENT 2, RIGHT LOWER FLANGE, DIAGONAL CRACKING TO 1/32 INCH WIDE WITH RUST STAINING AND ADJACENT DELAMINATION 10 INCHES LONG X 8 INCHES HIGH



Bent 2 Cap 1: NORTH FACE AT BAY 2 AND UNDER GIRDER 2, (4) AREAS UP TO 12 INCHES DIAMETER X 3/4 INCHES DEEP SPALLS AND DELAMINATION



Bent 2 Cap 1: LOWER 3 INCHES OF THE CAP, SCATTERED ALONG THE LENGTH OF CAP UNDER BAYS 1 AND 2, HORIZONTAL CRACKING TO 1/16 INCH WIDE WITH RUST STAINING



Bent 2 Pile 2: 4 FEET HIGH X 10 INCHES WIDE AREA OF DELAMINATION WITH 8 INCHES HIGH X 8 INCHES WIDE X 1/2 INCH DEEP SPALL ON NORTH FACE



Bent 2 Pile 1: NORTH SIDE ADJACENT TO BOTOM OF CAP, SPALLED AREA WITH ADJACENT DELAMINATION 1 FOOT HIGH X 8 INCHES WIDE X 1 INCH DEEP



Bent 3 Cap 1: SOUTH FACE AT BOTTOM CORNER, 11 FEET FROM WEST END OF CAP, 3 FEET LONG X 6 INCHES HIGH DELAMINATED/SPALLED AREA UP TO 3 INCHES DEEP (PAR)



Span 3 Beam 4: GIRDER END ON RIGHT SIDE AT BENT 3 APPROXIMATELY 3 INCHES BACK, VERTICAL CRACKING TO 1/16 INCH WIDE



Bent 3 Cap 1: NORTH FACE, LOWER 3 INCHES OF THE CAP AT THE EAST END, HORIZONTAL CRACKING WITH RUST LEAKAGE TO 1/16 INCH WIDE



Bent 3 Cap 1: SCATTERED IN THE CAP FACES, HAIRLINE MAP CRACKING



DRIFT (2 FEET DIAMETER) AT END BENT 2 ABUTMENT



Span 4 Beam 2: PATCH AREA, FORMERLY 3 FEET LONG X UP TO 5 INCHES HIGH X 3 INCHES DEEP SPALL WITH EXPOSED STRAND, WEST FACE, 8 FEET FROM BENT 3



40 FEET LONG VEGETATION GROWTH IN WEST OVERHANG



END BENT 1 ASPHALT WEARING SURFACE APPROACH 30 SQUARE FEET OF UP TO 1/4 INCH WIDE CRACKING



END BENT 2 LEFT SIDE GUARDRAIL ATTACHMENT MISSING 1 CONNECTION BOLT (PAR)



END BENT 2 ASPHALT WEARING SURFACE APPROACH 25 SQUARE FEET OF UP TO 1/8 INCH WIDE CRACKING



Span 1 Deck: (4) UP TO 32 INCHES WIDE X 7 INCHES LONG X 2 INCHES DEEP SPALLS ALONG END BENT 1



Span 1 Deck: TOP OF THE DECK, MAP CRACKING TO 1/32 INCH THROUGHOUT



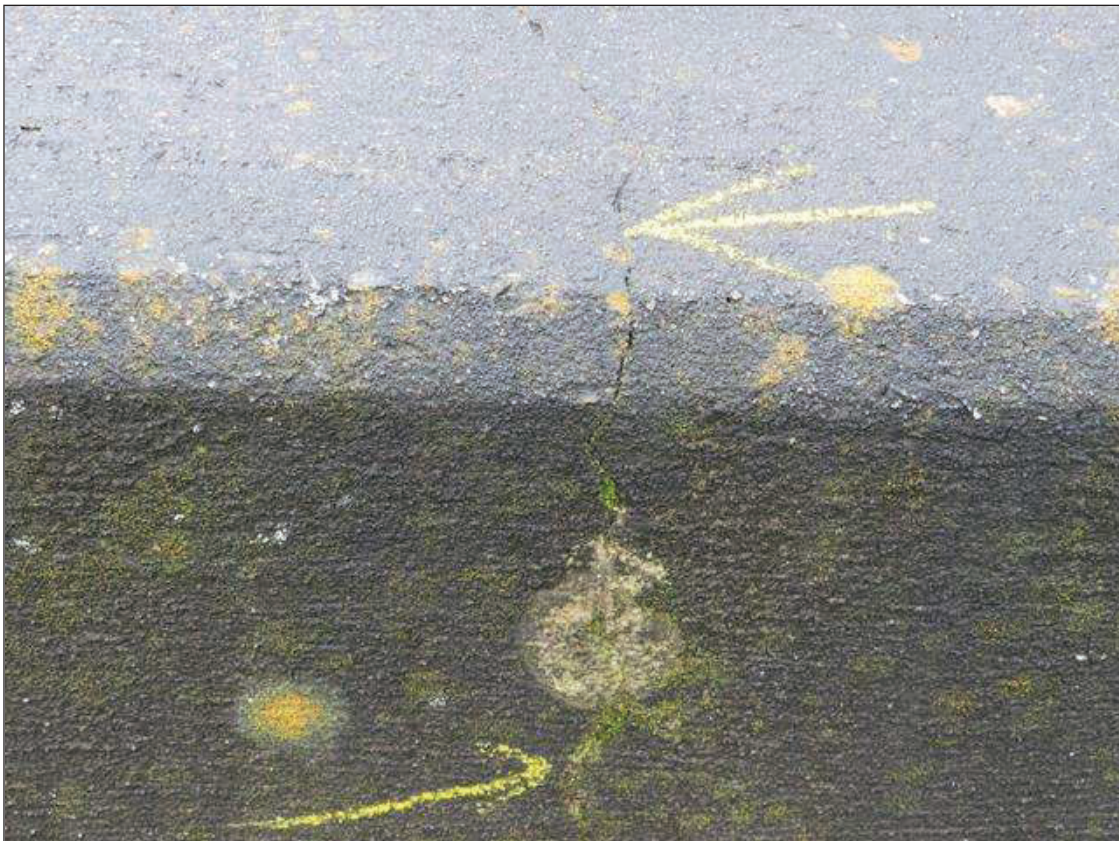
Span 2 Deck: 5 SQUARE FEET HAIRLINE LONGITUDINAL AND TRANSVERSE CRACKS EXTENDING FROM BENT 1 JOINT



Span 2 Deck: 3 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 2 JOINT



Span 2 Left Bridge Rail: (2) HAIRLINE VERTICAL AND TRANSVERSE CRACKS



Span 2 Right Bridge Rail: VERTICAL CRACKING TO 1/32 INCH WITH EFFLORESCENCE STAINING NEAR MID SPAN



Span 3 Deck: 7 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 2 JOINT



Span 3 Deck: 12 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 3 JOINT



Span 4 Deck: 3 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM BENT 3 JOINT



Span 4 Deck: 6 SQUARE FEET HAIRLINE LONGITUDINAL CRACKS EXTENDING FROM END BENT 2



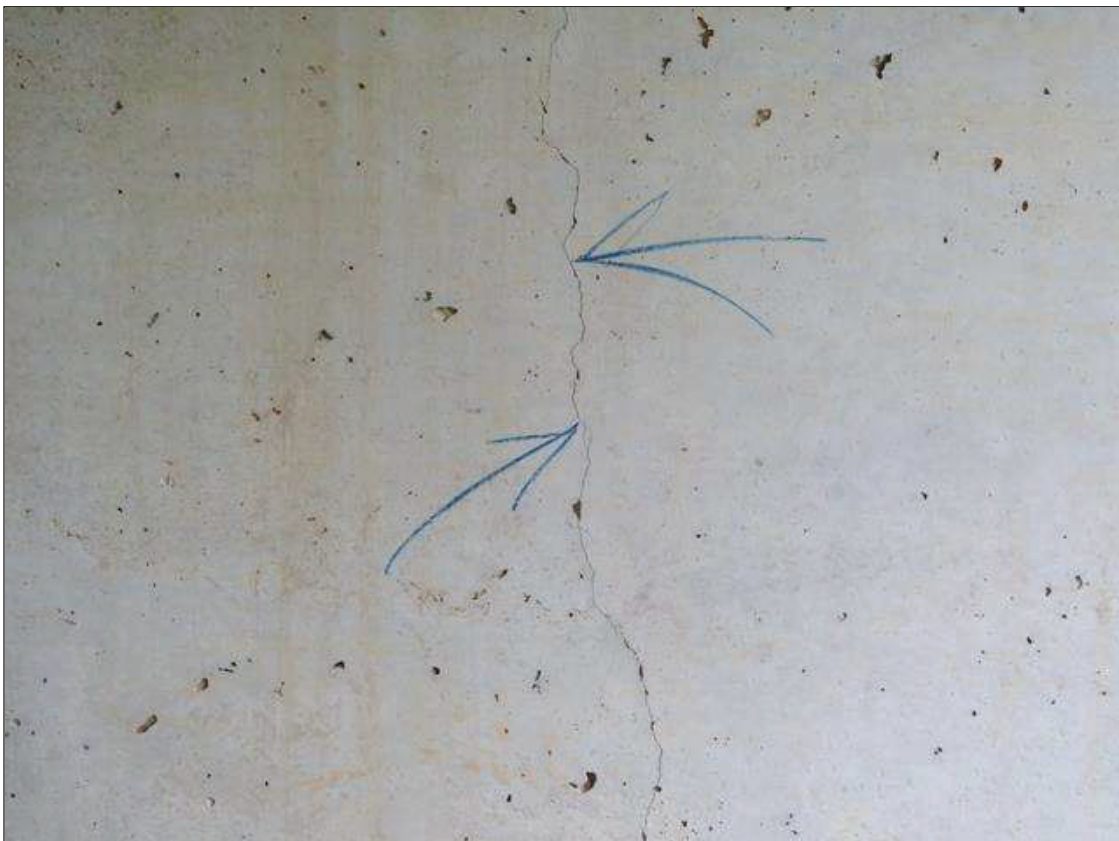
Span 4 Deck: (3) UP TO 12 INCHES WIDE X 1.5 INCHES LONG X 1.5 INCHES DEEP SPALLS ALONG END BENT 2



Span 4 Right Bridge Rail: 9 INCHES LONG X 3 INCHES HIGH X 1/2 INCH DEEP SPALL, 17 FEET FROM BENT 3



End Bent 1 Abutment: (2) UP TO 12 FEET X 1/64 INCH WIDE VERTICAL CRACKS, AT RANDOM THROUGHOUT NORTH FACE.



End Bent 2 Abutment: (3) UP TO 8 FEET HIGH X 1/32 INCH WIDE VERTICAL CRACKS, AT RANDOM THROUGHOUT SOUTH FACE.



Span 2 Expansion Joint: BENT 1 OPEN JOINT, CHIPPING UP TO 7 INCHES WIDE X 3/4 INCHES LONG X 3/4 INCHES DEEP, SCATTERED



Span 3 Expansion Joint: BENT 2 OPEN JOINT, CHIPPING UP TO 5 INCHES WIDE X 3/4 INCHES LONG X 3/4 INCHES DEEP, SCATTERED



Span 4 Expansion Joint: BENT 3 OPEN JOINT, CHIPPING UP TO 24 INCHES WIDE X 3 INCHES LONG X 4 INCHES DEEP, SCATTERED



Span 3 Deck: SPALLED AREA (2 FEET WIDE X 3 INCHES LONG X 4 INCHES DEEP) AT NORTH END ADJACENT TO RIGHT RAIL (PAR)

Stream Bed Soundings

(Profile diagram on following sheet)

County **YANCEY**

Structure Number: **990194**

Sounding Date **06/08/2023**

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

Highwater Mark Distance **14**

Location of Highwater Mark **DRIFT ON NORTH BANK AT END BENT 2**

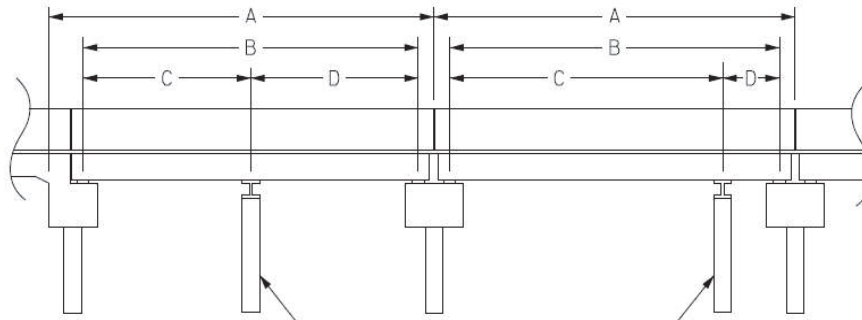
| Distance (Station) ft. | Downstream Sounding ft. | Upstream Sounding ft. | Description |
|------------------------|-------------------------|-----------------------|------------------|
| 0.000 | 2.700 | 0.000 | TOP OF BACK WALL |
| 0.000 | 2.900 | 0.000 | TOP OF BACK WALL |
| 1.000 | 2.700 | 0.000 | TOP OF BACK WALL |
| 1.100 | 7.600 | 0.000 | TOP OF CAP |
| 3.000 | 7.600 | 0.000 | TOP OF CAP |
| 3.100 | 17.400 | 17.600 | GROUND AT CAP |
| 25.500 | 25.500 | 0.000 | WSWE |
| 66.000 | 27.600 | 28.100 | BENT 1 |
| 132.000 | 27.300 | 27.400 | BENT 2 |
| 198.000 | 27.500 | 27.000 | BENT 3 |
| 231.000 | 25.300 | 0.000 | WSWE |
| 261.900 | 16.300 | 15.800 | GROUND AT CAP |
| 262.000 | 7.500 | 0.000 | TOP OF CAP |
| 263.900 | 7.500 | 0.000 | TOP OF CAP |
| 264.000 | 2.700 | 0.000 | TOP OF BACK WALL |
| 265.000 | 2.700 | 0.000 | TOP OF BACK WALL |

Structure Data Worksheet

Span Profile

County: **YANCEY**

Structure Number: **990194**



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

| Span Number | Span Length | Bearing to Bearing | Crutch/ Helper Bent | Distance to Near Bearing | Distance to Far Bearing |
|-------------|-------------|--------------------|---------------------|--------------------------|-------------------------|
| 1 | 66.300 | 64.500 | | | |
| 2 | 65.830 | 64.500 | | | |
| 3 | 65.830 | 64.500 | | | |
| 4 | 66.300 | 64.500 | | | |

Bridge Inspection Field Sketch

SR 1314



| | | | |
|-----------------|---------------|---------------|---------------|
| Roadway | 20ft Wide | 2 Paved Lanes | Looking North |
| Left Shoulder | 2ft Wide | | 2ft Unpaved |
| Right Shoulder | 2ft Wide | | 2ft Unpaved |
| Left Guardrail | 2ft from road | | |
| Right Guardrail | 2ft from road | | |

MEASUREMENTS TAKEN 1' SOUTH OF END BENT 1

Title
ROADWAY

Description
LOOKING NORTH

Structure No: 990194

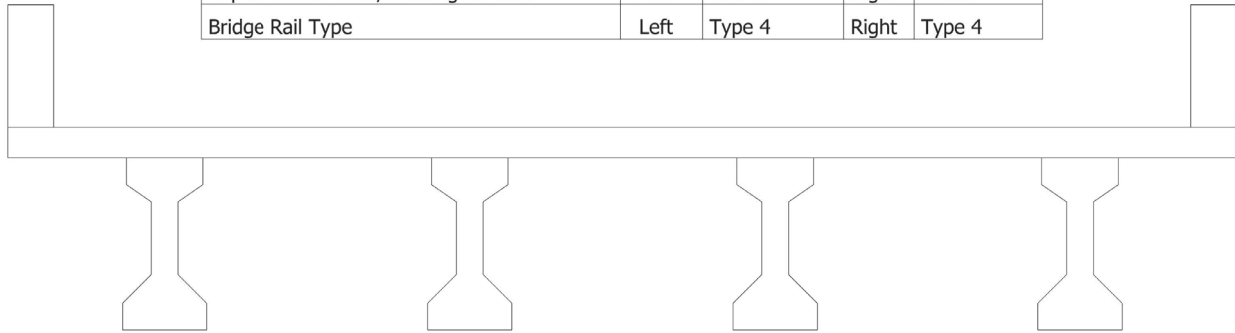
Drawn By: BRYAN CROOM

Date: 6/8/2023

Filename: S000642000329.wes

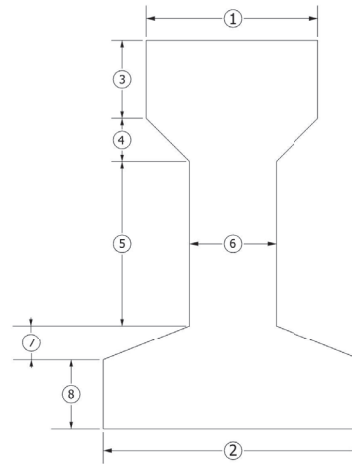
Bridge Inspection Field Sketch

| | | | | |
|-------------------------------------|---------|-----------------|--------|--------------|
| Deck Width/Out to Out | 26.83ft | Between Rails | 24ft | |
| Clear Roadway | 24ft | Wearing Surface | | |
| Median Width | | Median Height | | |
| Curb Height | | Left | | Right |
| Sidewalk Width | | Left | | Right |
| Clear Roadway (Rail to Median) | | Left | | Right |
| Guardrail Width | | Left | 17in | Right 17in |
| Top of Rail to Deck/Wearing Surface | | Left | 2.67ft | Right 2.67ft |
| Bridge Rail Type | | Left | Type 4 | Right Type 4 |



| | | | |
|-------------------------------------|---------|----------------|---------|
| Measurements for Span # | 1 - 4 | | |
| Deck Thickness | 8in | Left Overhang | 3.417ft |
| Top of Rail to Bottom of Beam (Avg) | 7.087ft | Right Overhang | 3.417ft |

| Beam # | Beam Type | Width | Height | Spacing | From |
|--------|-----------------------------|--------|--------|---------|-------------------|
| 1 | Prestressed Concrete Girder | 22.5in | 45in | 3.417ft | Left Edge of Deck |
| 2 | Prestressed Concrete Girder | 22.5in | 45in | 6.67ft | Beam 1 |
| 3 | Prestressed Concrete Girder | 22.5in | 45in | 6.67ft | Beam 2 |
| 4 | Prestressed Concrete Girder | 22.5in | 45in | 6.67ft | Beam 3 |



| Span 1: Beam 1 | |
|----------------|--------|
| 1 | 20in |
| 2 | 22.5in |
| 3 | 7in |
| 4 | 4.5in |
| 5 | 19in |
| 6 | 7in |
| 7 | 7.5in |
| 8 | 7in |

Title
SPANS 1 - 4 SUPERSTRUCTURE

Description
LOOKING NORTH

Structure No: 990194

Drawn By: BRYAN CROOM

Date: 6/8/2023

Filename: S000642000330.wes

Bridge Inspection Field Sketch



| Caps | | | | | | | |
|-------|--------|------------------------------|---------|------------------|--------------|-------------------------|--------------------------|
| # | Name | Type | Length | Width | Height | Left Beam to End of Cap | Right Beam to End of Cap |
| 1 | Cap 1 | Reinforced Concrete Pier Cap | 23ft | 38in | 36in | 1.5ft | 1.5ft |
| Piles | | | | | | | |
| # | Name | Type | Spacing | From | Height/Diam. | Width | Length |
| 1 | Pile 1 | Reinforced Concrete Column | 4.75ft | Left End of Bent | 36in | | 18ft |
| 2 | Pile 2 | Reinforced Concrete Column | 13.5ft | Pile 1 | 36in | | 18ft |

Title
BENTS 1 - 3 SUBSTRUCTURE

Description
LOOKING NORTH

Structure No: 990194

Drawn By: BRYAN CROOM

Date: 6/8/2023

Filename: S000642000331.wes



SPAN 1 BEAM 4 NEAR BEARING



BENT 1 SPAN 1 SIDE



SPAN 2 BEAM 4 NEAR BEARING



LOOKING WEST DOWNSTREAM FROM UNDER BRIDGE



LOOKING EAST UPSTREAM FROM UNDER BRIDGE



BENT 2 SPAN 2 SIDE



BENT 3 SPAN 3 SIDE



SPAN 3 BEAM 3 FAR BEARING



BENT 3 RIGHT SIDE SUPERSTRUCTURE



SPAN 1 BEAM 4 FAR BEARING



NORTHWEST GUARDRAIL END TERMINAL



NORTHEAST GUARDRAIL END TERMINAL



APPROACH GUARDRAIL POST SPACES 75 INCHES AT NORTHEAST CORNER



SOUTHEAST GUARDRAIL END TERMINAL



SOUTHWEST GUARDRAIL END TERMINAL



SPAN 1 SUPERSTRUCTURE LOOKING NORTH



ABUTMENT 1



ABUTMENT 1 RIGHT SIDE



RIGHT SIDE OF BRIDGE LOOKING WEST



SOUTH APPROACH LOOKING NORTH



SOUTHWEST CORNER AT BRIDGE 5 POSTS AT 18 INCH CENTERS



END BENT 1 TOP OF DECK



END BENT 1 LEFT SIDE APPROACH GUARDRAIL ATTACHMENT



SOUTH APPROACH



SPAN 1 RIGHT RAIL



LOOKING EAST UPSTREAM FROM TOP OF BRIDGE



LOOKING WEST DOWNSTREAM FROM TOP OF BRIDGE



BENT 1 OPEN JOINT



BENT 2 OPEN JOINT



BENT 3 OPEN JOINT



NORTH APPROACH



END BENT 2 TOP OF DECK



NORTH APPROACH LOOKING SOUTH



LEFT SIDE OF BRIDGE LOOKING EAST UPSTREAM



ABUTMENT 2



ABUTMENT 2 RIGHT SIDE