

Bridge Inspection Report

03637
US 167 S-4 LM 17.5
over
SL-SW RR



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

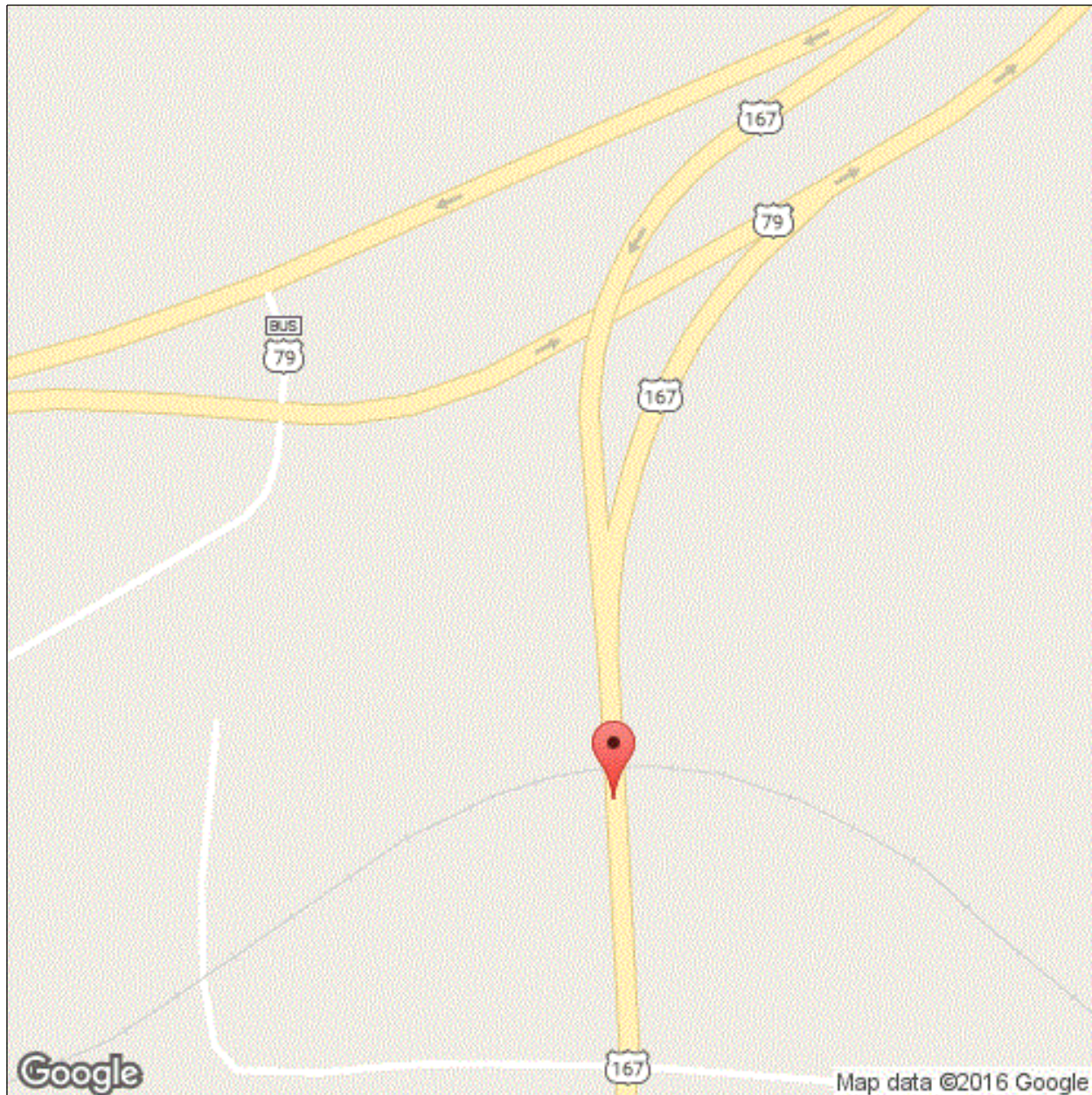
Structure Number: 03637

Inspection Date:

Facility Carried: US 167 S-4 LM 17.5

Bridge Inspection Report

Location Map



Latitude: 33.787266

Longitude: -92.467499

Inspector:

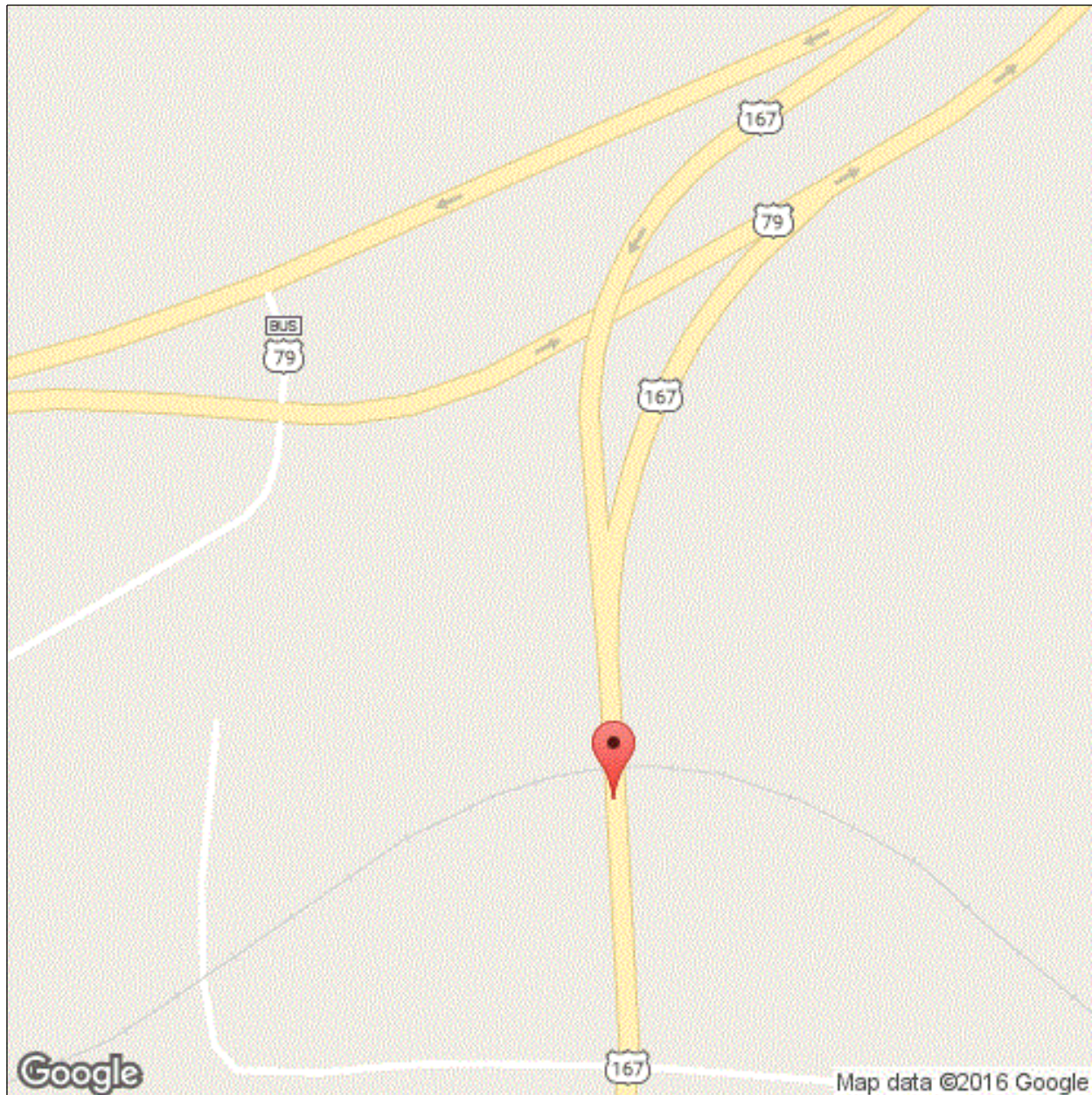
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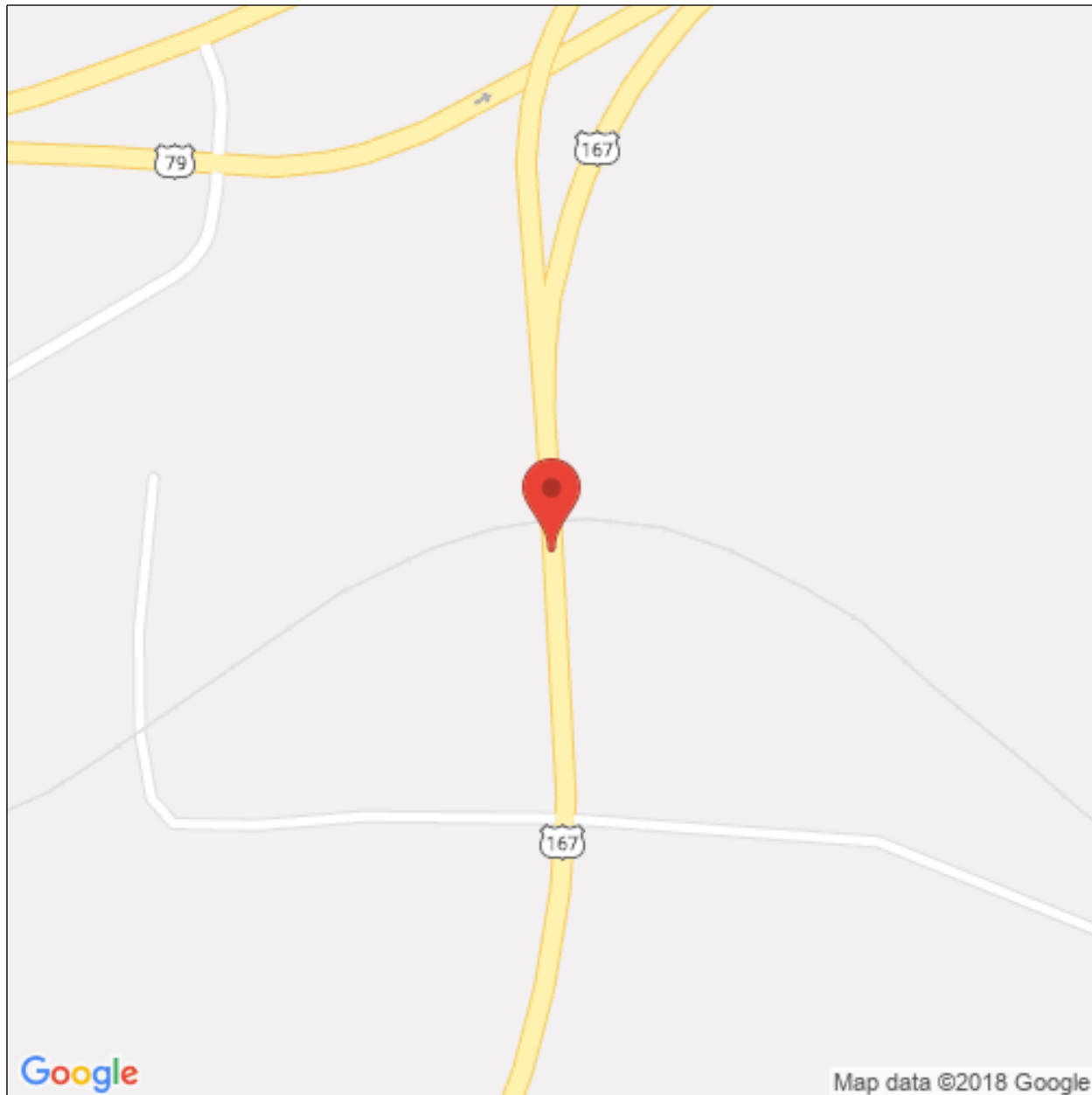
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National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|--|--|---|---------------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 08/15/2018 |
| (8) STRUCTURE NUMBER | 03637 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 2 1 167 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 07 (3) COUNTY CODE 013 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 00000 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | SL-SW RR | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | US 167 S-4 LM 17.5 | | |
| (9) LOCATION | 2.0 MI S OF FORDYCE | | |
| (11) MILEPOINT 17.497 | (12) BASE HIGHWAY NETWORK 1 | | |
| (13A) LRS INVENTORY ROUTE | 0000167040 (13B) SUBROUTE NUMBER 00 | | |
| (16) LATITUDE 33.787266 | (17) LONGITUDE -92.467499 | | |
| (98A) BORDER BRIDGE CODE | | | |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | | |
| STRUCTURE TYPE AND MATERIAL | | CONDITION | |
| (43) STRUCTURE TYPE, MAIN | | (58) DECK | 5 |
| A) KIND OF MATERIAL/DESIGN: 3 - Steel | | (59) SUPERSTRUCTURE 7 | (60) SUBSTRUCTURE 6 |
| B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder | | (61) CHANNEL & CHANNEL PROTECTION | N (62) CULVERT N |
| (44) STRUCTURE TYPE, APPROACH SPANS | | | |
| A) KIND OF MATERIAL/DESIGN: 0 - Other | | | |
| B) TYPE OF DESIGN/CONSTR: 00 - Other | | | |
| (45) NUMBER OF SPANS IN MAIN 5 | (46) NUMBER OF APPROACH 0 | | |
| (107) DECK STRUCTURE TYPE 1 | (108A) WEARING SURFACE 1 | | |
| (108B) DECK MEMBRANE 0 | (108C) DECK PROTECTION 0 | | |
| AGE OF SERVICE | | LOAD RATING AND POSTING | |
| (27) YEAR BUILT 1968 | (106) YEAR RECONSTRUCTED 0000 | (31) DESIGN LOAD | 5 |
| (42) TYPE OF SERVICE ON 1 UNDER 2 | | (63) METHOD USED TO DETERMINE OPERATING RATING | 1 |
| (28) LANES ON 02 UNDER 00 | | (64) OPERATING RATING | 60.0 |
| (29) AVERAGE DAILY TRAFFIC 3000 | (19) BYPASS DETOUR LENGTH 4 | (65) METHOD USED TO DETERMINE INVENTORY RATING | 1 |
| (30) YEAR OF AVERAGE DAILY TRAFFIC 2014 | | (66) INVENTORY RATING | 36.0 |
| (109) AVERAGE DAILY TRUCK TRAFFIC 26 | | (70) BRIDGE POSTING | 5 |
| | | (41) STRUCTURE OPEN/POSTED/CLOSED | A |
| GEOMETRIC DATA | | APPRAISAL | |
| (48) LENGTH OF MAX SPAN (ft.) 42 | (49) STRUCTURE LENGTH (ft.) 188 | (67) STRUCTURAL EVALUATION | 6 |
| (50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0 | | (68) DECK GEOMETRY | 4 |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9 | | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | 5 |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) 33.4 | | (71) WATERWAY ADEQUACY | N |
| (32) APPROACH ROADWAY WIDTH (ft.) 44.0 | | (72) APPROACH ROADWAY ALIGNMENT | 8 |
| (33) BRIDGE MEDIAN 0 | (34) SKEW (DEG.) 0 | (36) TRAFFIC SAFETY FEATURE | |
| (35) STRUCTURE FLARED 0 | (10) INV RTE, MIN VERT CLEAR (ft.) 99.99 | 36A) BRIDGE RAILINGS: | 1 |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) 31.2 | | 36B) TRANSITIONS: | 1 |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99 | | 36C) APPROACH GUARDRAIL: | 0 |
| (54) VERTICAL UNDER CLEARANCE (ft.) R 22.80 | | 36D) APPROACH GUARDRAIL ENDS: | 1 |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) R 13.5 | | (113) SCOUR CRITICAL BRIDGES | N |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) 0 | | SUFFICIENCY RATING 79.9 | STATUS 0 |
| PROPOSED IMPROVEMENTS | | CLASSIFICATION | |
| (75A) TYPE OF WORK PROPOSED | (75B) WORK DONE BY | (112) NBIS BRIDGE LENGTH | Y |
| (76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0 | | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 1 |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 02 |
| (95) ROADWAY IMPROVEMENT COST (\$) | 0 | (100) STRAHNET HIGHWAY DESIGNATION | 0 |
| (96) TOTAL PROJECT COST | 0 | (101) PARALLEL STRUCTURE DESIGNATION | N |
| (97) YEAR OF IMPROVEMENT COST ESTIMATE | | (102) DIRECTION OF TRAFFIC | 2 |
| (114) FUTURE ADT 3900 | (115) YEAR OF FUTURE ADT 2033 | (103) TEMP STRUCTURE | |
| | | (105) FEDERAL LANDS HIGHWAYS | 0 |
| | | (110) DESIGNATED NATIONAL NETWORK | 1 |
| | | (20) TOLL | 3 |
| | | (21) MAINTENANCE RESPONSIBILITY | 01 |
| | | (22) OWNER | 01 |
| | | (37) HISTORICAL | 5 |
| | | NAVIGATION DATA | |
| | | (38) NAVIGATION CONTROL | N |
| | | (111) PIER OR ABUTMENT PROTECTION | 1 |
| | | (39) NAV VERT CLEARANCE (ft.) | 0 |
| | | (116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.) | 0 |
| | | (40) NAV HORIZONTAL CLEARANCE (ft.) | 0 |

Inspector:

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Bridge Inspection Report

Element Inspection

| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|--|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 12 - Reinforced Concrete Deck | 1- Ben. | 7896 | sq. ft. | 2621 | 4880 | 395 | 0 |
| All spans have cracks, patches, patches filled with asphalt. | | | | | | | |

| | | | | | | | |
|---|---------|------|---------|-----|------|-----|---|
| 1080 - Delamination/Spall/Patched Area | | 3948 | | 0 | 3553 | 395 | 0 |
| 1090 - Exposed Rebar | | 11 | | 0 | 11 | 0 | 0 |
| 1130 - Cracking (RC and Other) | | 1316 | | 0 | 1316 | 0 | 0 |
| 107 - Steel Open Girder/Beam | 1- Ben. | 940 | ft. | 940 | 0 | 0 | 0 |
| 515 - Steel Protective Coating | | 5288 | sq. ft. | 0 | 5288 | 0 | 0 |
| 3410 - Chalking (Steel Protective Coatings) | | 5288 | | 0 | 5288 | 0 | 0 |
| 205 - Reinforced Concrete Column | 1- Ben. | 4 | each | 3 | 0 | 1 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 1 | | 0 | 0 | 1 | 0 |
| 227 - Reinforced Concrete Pile | 1- Ben. | 10 | each | 10 | 0 | 0 | 0 |
| 234 - Reinforced Concrete Pier Cap | 1- Ben. | 168 | ft. | 167 | 1 | 0 | 0 |
| Bent 5, bottom right side of cap has exposed rebar. | | | | | | | |

| | | | | | | | |
|--|---------|------|---------|------|----|-----|---|
| 1090 - Exposed Rebar | | 1 | | 0 | 1 | 0 | 0 |
| 302 - Compression Joint Seal | 1- Ben. | 180 | ft. | 0 | 0 | 180 | 0 |
| 2310 - Leakage | | 90 | | 0 | 0 | 90 | 0 |
| 2330 - Seal Damage | | 90 | | 0 | 0 | 90 | 0 |
| 311 - Movable Bearing | 1- Ben. | 25 | each | 25 | 0 | 0 | 0 |
| 313 - Fixed Bearing | 1- Ben. | 25 | each | 25 | 0 | 0 | 0 |
| 321 - Reinforced Concrete Approach Slab | 1- Ben. | 2240 | sq. ft. | 2156 | 80 | 4 | 0 |
| 1080 - Delamination/Spall/Patched Area | | 4 | | 0 | 0 | 4 | 0 |
| 1130 - Cracking (RC and Other) | | 80 | | 0 | 80 | 0 | 0 |
| 330 - Metal Bridge Railing | 1- Ben. | 376 | ft. | 376 | 0 | 0 | 0 |

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 9/12/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Deck, all spans have some potholes and cracks, with several skin patches with several of the skin patches starting to turn loose. Span 5 Lt. pothole about 1" deep. 08/17/2016 JPR Spans 3 Rt., & 4 Lt. have some potholes that have been patched with cold mix, these potholes are about 2' x 2' minimum.

Work Description:

Date Repairs Completed: 08/17/2016

Maintenance Comments:

District Bridge Inspector observed that Span 5 Lt. pothole has been repaired.

Stage: Monitor



PHOTO 1 Description

Inspector:

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Maintenance Needs

Date Reported: 08/15/2018

Priority: C - Important

Work Code:

Deficiency Description:

Soffit- All spans have spalls with exposed rebar, no spalls are over R/R at this time.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Span 5, delam and spall with exposed rebar.

Stage: Open



PHOTO 2 Description Span 3 soffit, spalls with exposed rebar and patches.