

# Bridge Inspection Report

**06604**

**US 67-18- LM 1.16**

**over**

**LITTLE RUNNING WATER CR**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

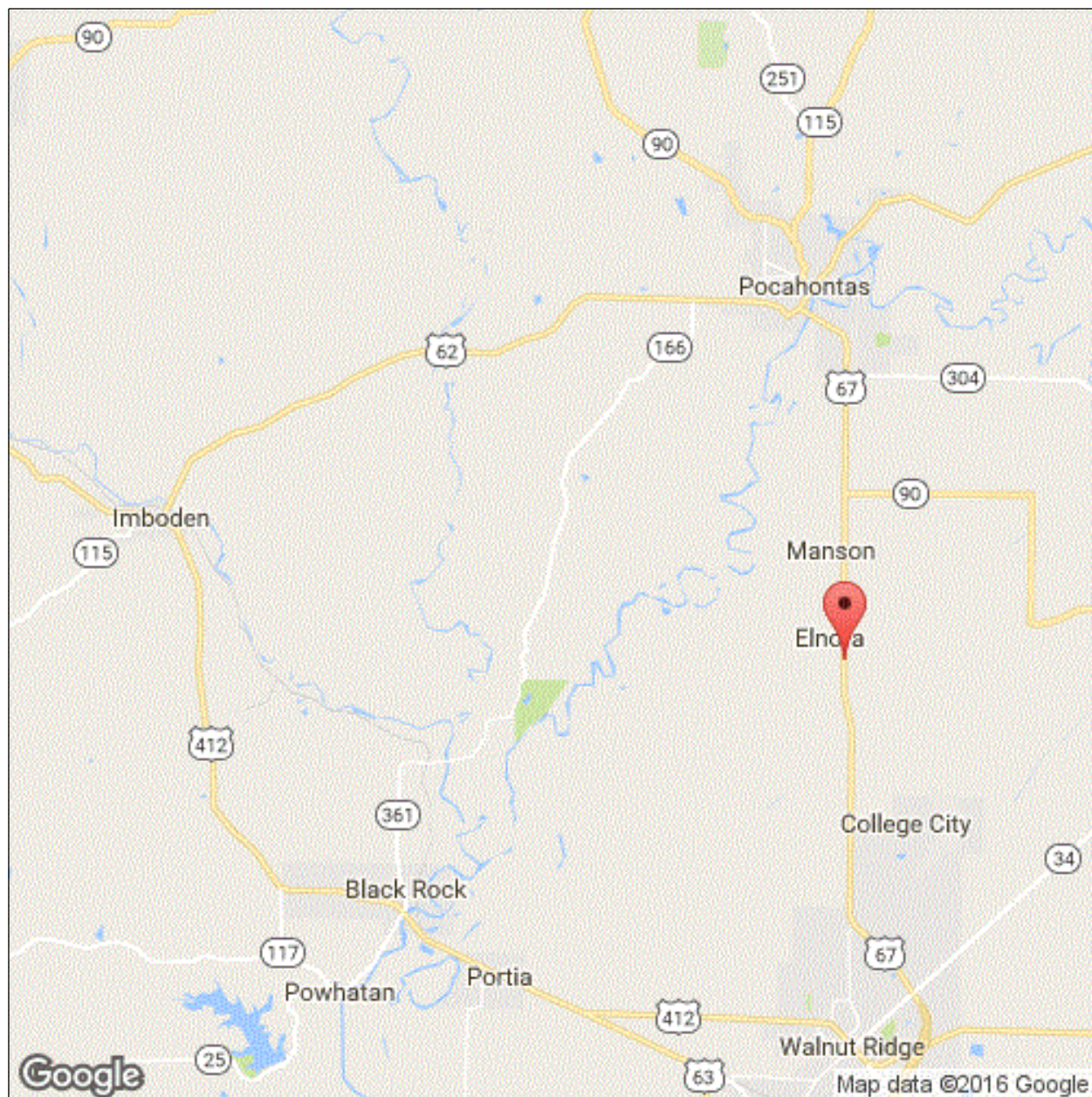
Structure Number: 06604

Inspection Date:

Facility Carried: US 67-18- LM 1.16

### Bridge Inspection Report

### Location Map



Latitude: 36.16682

Longitude: -90.95875

Inspector:

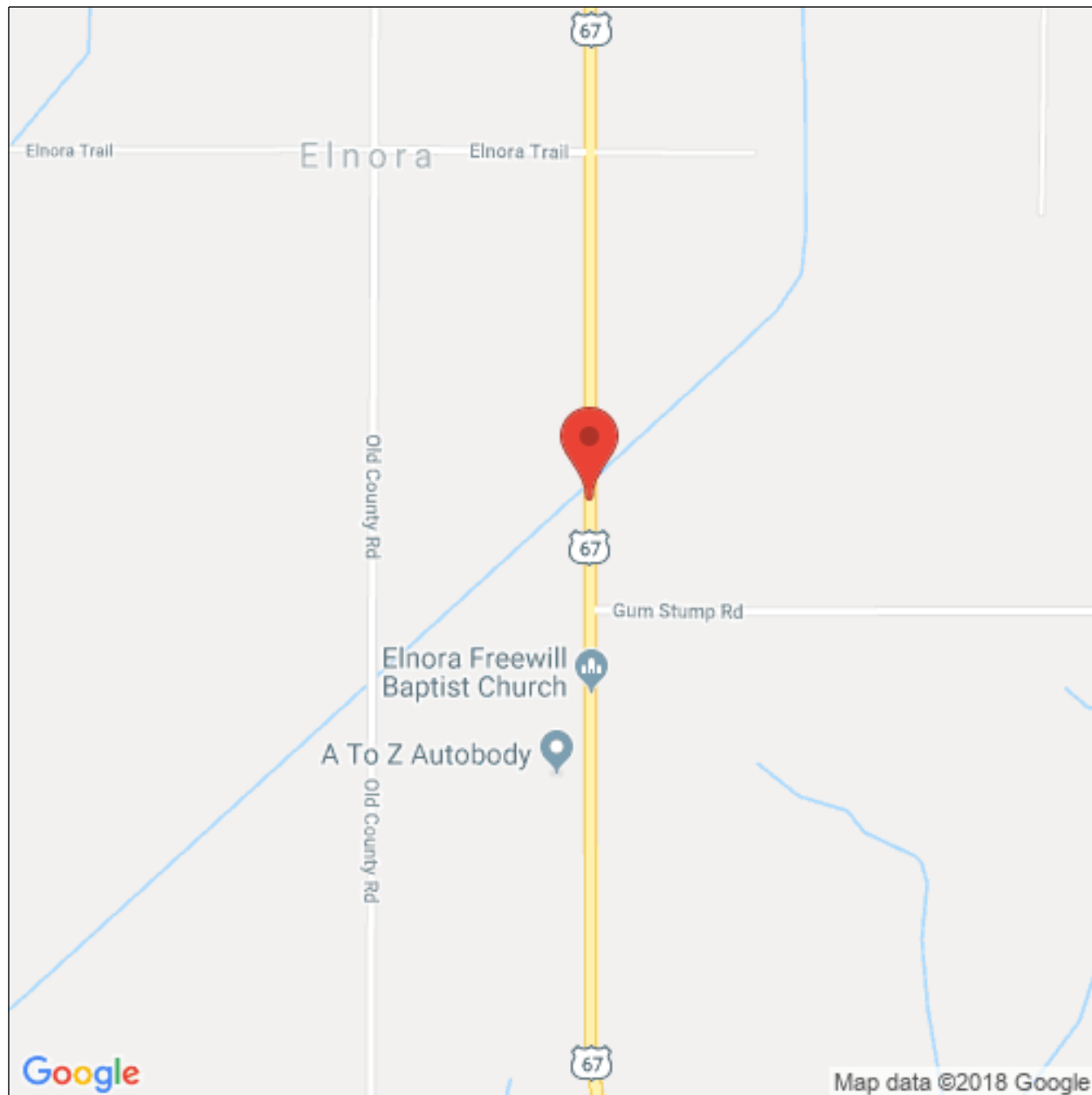
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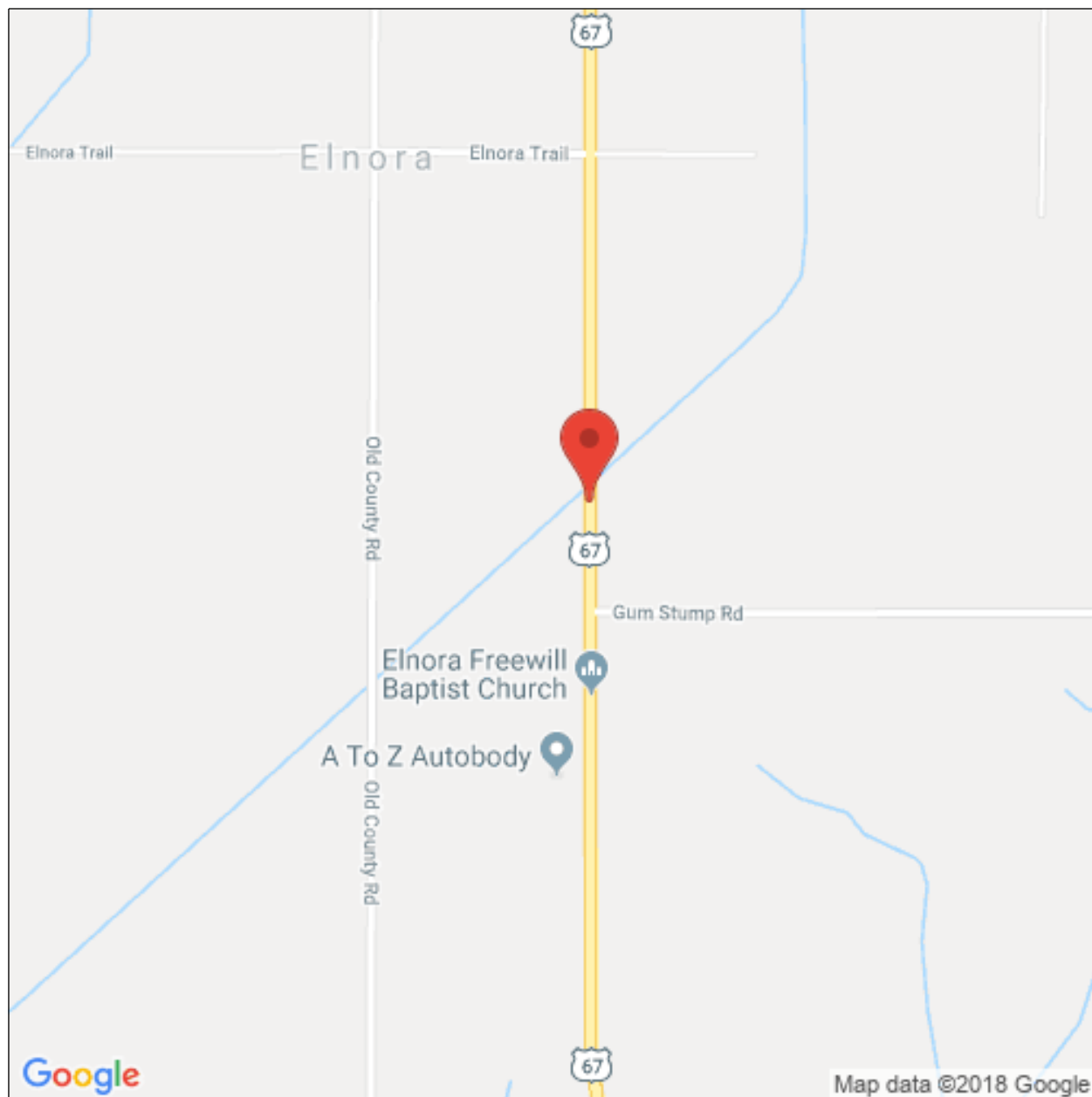
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## National Bridge Inventory

| IDENTIFICATION   |  | INSPECTIONS   |                     |
|--|--|---|---------------------|
| (1) STATE CODE   | 056 - Arkansas                           | (90) INSPECTION DATE  | 10/01/2018          |
| (8) STRUCTURE NUMBER   | 06604                                    | (91) DESIGNATED INSPECTION FREQUENCY                        | 24                  |
| (5) INV. ROUTE (ON/UNDER)                                    | 1 2 1 67 0                               | (92) CRITICAL FEATURE INSPECTION                            | (93) CFI DATE       |
| (2) HIGHWAY AGENCY   | 10 (3) COUNTY CODE 121                   | A. FRACTURE CRITICAL DETAIL                                 | N                   |
| (4) PLACE CODE   | 00000                                    | B. UNDERWATER INSPECTION                                    | N                   |
| (6) FEATURES INTERSECTED                                     | LITTLE RUNNING WATER CR                  | C. OTHER SPECIAL  | N                   |
| (7) FACILITY CARRIED   | US 67-18- LM 1.16                        |   |                     |
| (9) LOCATION   | 1.16 MI N OF LAWRENCE CO.                |   |                     |
| (11) MILEPOINT 1.160   | (12) BASE HIGHWAY NETWORK 1              |   |                     |
| (13A) LRS INVENTORY ROUTE                                    | 0000067180 (13B) SUBROUTE NUMBER 00      |   |                     |
| (16) LATITUDE 36.16682                                       | (17) LONGITUDE -90.95875                 |   |                     |
| (98A) BORDER BRIDGE CODE                                     |  |   |                     |
| PERCENT RESPONSIBILITY                                       | (99) BORDER BRIDGE STRUCT                |   |                     |
| STRUCTURE TYPE AND MATERIAL                                  |  | CONDITION   |                     |
| (43) STRUCTURE TYPE, MAIN                                    |  | (58) DECK   | 7                   |
| A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous             |  | (59) SUPERSTRUCTURE 7                                       | (60) SUBSTRUCTURE 8 |
| B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder |  | (61) CHANNEL & CHANNEL PROTECTION 7                         | (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 3                               | (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 1998   | (106) YEAR RECONSTRUCTED 0000            | (31) DESIGN LOAD  | 5                   |
| (42) TYPE OF SERVICE ON 1 UNDER 5                            |  | (63) METHOD USED TO DETERMINE OPERATING RATING              | 1                   |
| (28) LANES ON 04 UNDER 00                                    |  | (64) OPERATING RATING                                       | 60.0                |
| (29) AVERAGE DAILY TRAFFIC 9100                              | (19) BYPASS DETOUR LENGTH 20             | (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 7                          |  | (70) BRIDGE POSTING   | 5                   |
|  |  | (41) STRUCTURE OPEN/POSTED/CLOSED                           | A                   |
| GEOMETRIC DATA   |  | APPRAISAL   |                     |
| (48) LENGTH OF MAX SPAN (ft.) 47                             | (49) STRUCTURE LENGTH (ft.) 106          | (67) STRUCTURAL EVALUATION                                  | 7                   |
| (50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0               |  | (68) DECK GEOMETRY  | 9                   |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 69.9                 |  | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL                 | N                   |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) 72.8                       |  | (71) WATERWAY ADEQUACY                                      | 8                   |
| (32) APPROACH ROADWAY WIDTH (ft.) 85.0                       |  | (72) APPROACH ROADWAY ALIGNMENT                             | 8                   |
| (33) BRIDGE MEDIAN 0   | (34) SKEW (DEG.) 45                      | (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.) 71.2                   |  | 36B) TRANSITIONS:   | 1                   |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99      |  | 36C) APPROACH GUARDRAIL:                                    | 1                   |
| (54) VERTICAL UNDER CLEARANCE (ft.) N 0                      |  | 36D) APPROACH GUARDRAIL ENDS:                               | 1                   |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9              |  | (113) SCOUR CRITICAL BRIDGES                                | 5                   |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) 0                     |  | SUFFICIENCY RATING 80.5                                     | 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 8596  | (115) YEAR OF FUTURE ADT 2028            | (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                                     | 0                   |
|  |  | (111) PIER OR ABUTMENT PROTECTION                           | 5                   |
|  |  | (39) NAV VERT CLEARANCE (ft.)                               | 0                   |
|  |  | (116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.) | 0                   |
|  |  | (40) NAV HORIZONTAL CLEARANCE (ft.)                         | 0                   |

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## Element Inspection

|   | Environment | Total Quantity | Units   | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| <b>12 - Reinforced Concrete Deck</b>            | 1- Ben.     | 7701           | sq. ft. | 6833              | 848               | 20                | 0                 |
| 1130 - Cracking (RC and Other)                  |             | 444            |         | 0                 | 424               | 20                | 0                 |
| 1190 - Abrasion/Wear (PSC/RC)                   |             | 424            |         | 0                 | 424               | 0                 | 0                 |
| <b>107 - Steel Open Girder/Beam</b>             | 1- Ben.     | 1027           | ft.     | 1027              | 0                 | 0                 | 0                 |
| 515 - Steel Protective Coating                  |             | 8386           | sq. ft. | 8312              | 0                 | 74                | 0                 |
| <b>215 - Reinforced Concrete Abutment</b>       | 1- Ben.     | 206            | ft.     | 188               | 18                | 0                 | 0                 |
| 1120 - Efflorescence/Rust Staining              |             | 18             |         | 0                 | 18                | 0                 | 0                 |
| <b>227 - Reinforced Concrete Pile</b>           | 1- Ben.     | 20             | each    | 20                | 0                 | 0                 | 0                 |
| <b>234 - Reinforced Concrete Pier Cap</b>       | 1- Ben.     | 202            | ft.     | 202               | 0                 | 0                 | 0                 |
| <b>302 - Compression Joint Seal</b>             | 1- Ben.     | 204            | ft.     | 0                 | 204               | 0                 | 0                 |
| <b>311 - Movable Bearing</b>                    | 1- Ben.     | 20             | each    | 16                | 4                 | 0                 | 0                 |
| <b>313 - Fixed Bearing</b>                      | 1- Ben.     | 20             | each    | 20                | 0                 | 0                 | 0                 |
| <b>321 - Reinforced Concrete Approach Slab</b>  | 1- Ben.     | 3942           | sq. ft. | 3832              | 0                 | 110               | 0                 |
| 1130 - Cracking (RC and Other)                  |             | 110            |         | 0                 | 0                 | 110               | 0                 |
| <b>331 - Reinforced Concrete Bridge Railing</b> | 1- Ben.     | 212            | ft.     | 176               | 36                | 0                 | 0                 |
| 1130 - Cracking (RC and Other)                  |             | 36             |         | 0                 | 36                | 0                 | 0                 |

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## Bridge Inspection Report

### Pictures

PHOTO 1

Description soundings

PHOTO 1

Description

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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 2

Description



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## Bridge Inspection Report

### Pictures

PHOTO 2

| Description | Soundings |
|-------------|-----------|
|-------------|-----------|

PHOTO 3

| Description |
|-------------|
|-------------|

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**Bridge Inspection Report**

**Pictures**

PHOTO 4

Description

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 10/01/2018

Priority: D - Routine

Work Code:

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**Deficiency Description:**

Concrete approach slabs have open unsealed cracks.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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Date Reported: 11/01/2016

Priority: G - General/ Preventive maintenance

Work Code:

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**Deficiency Description:**

Concrete deck has a few minor unsealed cracks. Span 2 has a few wide unsealed cracks.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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