

# Bridge Inspection Report

**B6039**  
**I-555NB-02-LM17.37**  
**over**  
**DITCH NO. 35&103**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: B6039

Inspection Date:

Facility Carried: I-555NB-02-  
LM17.37

## Bridge Inspection Report

## National Bridge Inventory

| IDENTIFICATION                                    |  | INSPECTIONS   |                       |
|---|--|---|-----------------------|
| (1) STATE CODE                                    | 056 - Arkansas                           | (90) INSPECTION DATE  | 02/12/2016            |
| (8) STRUCTURE NUMBER                              | B6039                                    | (91) DESIGNATED INSPECTION FREQUENCY                        | 24                    |
| (5) INV. ROUTE (ON/UNDER)                         | 1 1 1 555 1                              | (92) CRITICAL FEATURE INSPECTION                            | (93) CFI DATE         |
| (2) HIGHWAY AGENCY                                | 10 (3) COUNTY CODE 111                   | A. FRACTURE CRITICAL DETAIL                                 | N                     |
| (4) PLACE CODE                                    | 00000                                    | B. UNDERWATER INSPECTION                                    | N                     |
| (6) FEATURES INTERSECTED                          | DITCH NO. 35&103                         | C. OTHER SPECIAL  | N                     |
| (7) FACILITY CARRIED                              | I-555NB-02-LM17.37                       |   |                       |
| (9) LOCATION                                      | .7 MI E HWY 14&PAYNEWAY                  | CONDITION   |                       |
| (11) MILEPOINT 17.37                              | (12) BASE HIGHWAY NETWORK 1              | (58) DECK   | 7                     |
| (13A) LRS INVENTORY ROUTE                         | 0000063080 (13B) SUBROUTE NUMBER 00      | (59) SUPERSTRUCTURE   | 7 (60) SUBSTRUCTURE 7 |
| (16) LATITUDE 35.54039                            | (17) LONGITUDE -90.49209                 | (61) CHANNEL & CHANNEL PROTECTION                           | 7 (62) CULVERT N      |
| (98A) BORDER BRIDGE CODE                          |  | LOAD RATING AND POSTING                                     |                       |
| PERCENT RESPONSIBILITY                            | (99) BORDER BRIDGE STRUCT                | (31) DESIGN LOAD  | 6                     |
|   |  | (63) METHOD USED TO DETERMINE OPERATING RATING              | 1                     |
|   |  | (64) OPERATING RATING                                       | 60.0                  |
|   |  | (65) METHOD USED TO DETERMINE INVENTORY RATING              | 1                     |
|   |  | (66) INVENTORY RATING                                       | 36.0                  |
|   |  | (70) BRIDGE POSTING   | 5                     |
|   |  | (41) STRUCTURE OPEN/POSTED/CLOSED                           | A                     |
| STRUCTURE TYPE AND MATERIAL                       |  | APPRAISAL   |                       |
| (43) STRUCTURE TYPE, MAIN                         |  | (67) STRUCTURAL EVALUATION                                  | 7                     |
| A) KIND OF MATERIAL/DESIGN: 1 - Concrete          |  | (68) DECK GEOMETRY  | 7                     |
| B) TYPE OF DESIGN/CONSTR: 01 - Slab               |  | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL                 | N                     |
| (44) STRUCTURE TYPE, APPROACH SPANS               |  | (71) WATERWAY ADEQUACY                                      | 8                     |
| A) KIND OF MATERIAL/DESIGN: 0 - Other             |  | (72) APPROACH ROADWAY ALIGNMENT                             | 8                     |
| B) TYPE OF DESIGN/CONSTR: 00 - Other              |  | (36) TRAFFIC SAFETY FEATURE                                 |                       |
| (45) NUMBER OF SPANS IN MAIN 4                    | (46) NUMBER OF APPROACH 0                | 36A) BRIDGE RAILINGS:                                       | 1                     |
| (107) DECK STRUCTURE TYPE 1                       | (108A) WEARING SURFACE 1                 | 36B) TRANSITIONS:   | 1                     |
| (108B) DECK MEMBRANE 0                            | (108C) DECK PROTECTION 0                 | 36C) APPROACH GUARDRAIL:                                    | 1                     |
|   |  | 36D) APPROACH GUARDRAIL ENDS:                               | 1                     |
| AGE OF SERVICE                                    |  | (113) SCOUR CRITICAL BRIDGES                                | 5                     |
| (27) YEAR BUILT 1984                              | (106) YEAR RECONSTRUCTED 0000            | SUFFICIENCY RATING  | 0 STATUS 96.2         |
| (42) TYPE OF SERVICE ON 1 UNDER 5                 |  | CLASSIFICATION  |                       |
| (28) LANES ON 02 UNDER 00                         |  | (112) NBIS BRIDGE LENGTH                                    | Y                     |
| (29) AVERAGE DAILY TRAFFIC 13000                  | (19) BYPASS DETOUR LENGTH 2              | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE                 | 1                     |
| (30) YEAR OF AVERAGE DAILY TRAFFIC 2014           |  | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE           | 01                    |
| (109) AVERAGE DAILY TRUCK TRAFFIC 1               |  | (100) STRAHNET HIGHWAY DESIGNATION                          | 1                     |
|   |  | (101) PARALLEL STRUCTURE DESIGNATION                        | L                     |
|   |  | (102) DIRECTION OF TRAFFIC                                  | 1                     |
|   |  | (103) TEMP STRUCTURE  |                       |
|   |  | (105) FEDERAL LANDS HIGHWAYS                                | 0                     |
|   |  | (110) DESIGNATED NATIONAL NETWORK                           | 1                     |
|   |  | (20) TOLL   | 3                     |
|   |  | (21) MAINTENANCE RESPONSIBILITY                             | 01                    |
| GEOMETRIC DATA                                    |  | (22) OWNER  | 01                    |
| (48) LENGTH OF MAX SPAN (ft.) 35                  | (49) STRUCTURE LENGTH (ft.) 140          | (37) HISTORICAL   | 5                     |
| (50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0    |  | NAVIGATION DATA   |                       |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)           | 40.0                                     | (38) NAVIGATION CONTROL                                     | 0                     |
| (52) DECK WIDTH, OUT-TO-OUT (ft.)                 | 42.8                                     | (111) PIER OR ABUTMENT PROTECTION                           | 5                     |
| (32) APPROACH ROADWAY WIDTH (ft.)                 | 40.0                                     | (39) NAV VERT CLEARANCE (ft.)                               | 0                     |
| (33) BRIDGE MEDIAN 0                              | (34) SKEW (DEG.) 0                       | (116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.) | 0                     |
| (35) STRUCTURE FLARED 0                           | (10) INV RTE, MIN VERT CLEAR (ft.) 99.99 | (40) NAV HORIZONTAL CLEARANCE (ft.)                         | 0                     |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.)             | 41.0                                     |   |                       |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) | 99.99                                    |   |                       |
| (54) VERTICAL UNDER CLEARANCE (ft.)               | N 0                                      |   |                       |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.)          | N 99.9                                   |   |                       |
| (56) MIN LATERAL UNDER CLEARANCE (ft.)            | 0  |   |                       |
| PROPOSED IMPROVEMENTS                             |  |   |                       |
| (75A) TYPE OF WORK PROPOSED                       | (75B) WORK DONE BY                       |   |                       |
| (76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)        | 0  |   |                       |
| (94) BRIDGE IMPROVEMENT COST (\$)                 | 0  |   |                       |
| (95) ROADWAY IMPROVEMENT COST (\$)                | 0  |   |                       |
| (96) TOTAL PROJECT COST                           | 0  |   |                       |
| (97) YEAR OF IMPROVEMENT COST ESTIMATE            |  |   |                       |
| (114) FUTURE ADT 8692                             | (115) YEAR OF FUTURE ADT 2028            |   |                       |

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## Element Inspection

|   | Environment  | Total Quantity | Units   | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---|--|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| <b>38 - Reinforced Concrete Slab</b>            | 1- Ben.  | 5992           | sq. ft. | 5776              | 216               | 0                 | 0                 |
|   | Insignificant size and density cracks top of deck. Two longitudinal cracks<br>Top of deck Span 2 at Bent 3 Joint has two areas cracked with impending spall, (6ft. long x 10in. wide right lane and a 2ft. long x 1ft. wide left lane) See 2014 photo. |                |         |                   |                   |                   |                   |
| 1080 - Delamination/Spall/Patched Area          |  | 8              |         |                   | 8                 |                   |                   |
| 1130 - Cracking (RC and Other)                  |  | 208            |         |                   | 208               |                   |                   |
| <b>215 - Reinforced Concrete Abutment</b>       | 1- Ben.  | 119            | ft.     | 0                 | 119               |                   |                   |
| <b>227 - Reinforced Concrete Pile</b>           | 1- Ben.  | 21             | each    | 0                 | 21                |                   |                   |
| <b>234 - Reinforced Concrete Pier Cap</b>       | 1- Ben.  | 130            | ft.     | 0                 | 130               |                   |                   |
| <b>331 - Reinforced Concrete Bridge Railing</b> | 1- Ben.  | 280            | ft.     | 0                 | 280               |                   |                   |