

Bridge Inspection Report

04197
SH 338
over
FOURCHE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 04197

Inspection Date:

Facility Carried: SH 338

Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | | | | | INSPECTIONS | | | | | | | |
|---|--|---------------------------|---------------------------|------------------------------------|-----|--------------------------------------|----------------------------------|------------|---------------|--|--|--|--|
| (1) STATE CODE | | 056 - Arkansas | | | | (90) INSPECTION DATE | | 07/19/2016 | | | | | |
| (8) STRUCTURE NUMBER | | 04197 | | | | (91) DESIGNATED INSPECTION FREQUENCY | | 24 | | | | | |
| (5) INV. ROUTE (ON/UNDER) | | 1 | 3 | 1 | 338 | 0 | (92) CRITICAL FEATURE INSPECTION | | (93) CFI DATE | | | | |
| (2) HIGHWAY AGENCY | | 06 | (3) COUNTY CODE | | 119 | | A. FRACTURE CRITICAL DETAIL | | N | | | | |
| (4) PLACE CODE | | 39020 | | | | B. UNDERWATER INSPECTION | | N | | | | | |
| (6) FEATURES INTERSECTED | | FOURCHE CREEK | | | | C. OTHER SPECIAL | | N | | | | | |
| (7) FACILITY CARRIED | | SH 338 | | | | | | | | | | | |
| (9) LOCATION | | 0.08 M E OF SH5 | | | | | | | | | | | |
| (11) MILEPOINT | | 0.080 | (12) BASE HIGHWAY NETWORK | | 0 | | | | | | | | |
| (13A) LRS INVENTORY ROUTE | | 0000000000 | | (13B) SUBROUTE NUMBER | | 00 | | | | | | | |
| (16) LATITUDE | | 34.67125 | | (17) LONGITUDE | | -92.41672 | | | | | | | |
| (98A) BORDER BRIDGE CODE | | | | | | | | | | | | | |
| PERCENT RESPONSIBILITY | | (99) BORDER BRIDGE STRUCT | | | | | | | | | | | |
| STRUCTURE TYPE AND MATERIAL | | | | | | | | | | | | | |
| (43) STRUCTURE TYPE, MAIN | | | | | | | | | | | | | |
| A) KIND OF MATERIAL/DESIGN: 1 - Concrete | | | | | | | | | | | | | |
| B) TYPE OF DESIGN/CONSTR: 01 - Slab | | | | | | | | | | | | | |
| (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 | | 7 | (46) NUMBER OF APPROACH | | 0 | | | | | | | | |
| (107) DECK STRUCTURE TYPE | | 1 | (108A) WEARING SURFACE | | 6 | | | | | | | | |
| (108B) DECK MEMBRANE | | 0 | (108C) DECK PROTECTION | | 0 | | | | | | | | |
| AGE OF SERVICE | | | | | | | | | | | | | |
| (27) YEAR BUILT | | 1964 | | (106) YEAR RECONSTRUCTED | | 0000 | | | | | | | |
| (42) TYPE OF SERVICE | | ON 1 | UNDER 5 | | | | | | | | | | |
| (28) LANES | | ON 02 | UNDER 00 | | | | | | | | | | |
| (29) AVERAGE DAILY TRAFFIC | | 9700 | | (19) BYPASS DETOUR LENGTH | | 4 | | | | | | | |
| (30) YEAR OF AVERAGE DAILY TRAFFIC | | 2014 | | | | | | | | | | | |
| (109) AVERAGE DAILY TRUCK TRAFFIC | | 1 | | | | | | | | | | | |
| GEOMETRIC DATA | | | | | | | | | | | | | |
| (48) LENGTH OF MAX SPAN (ft.) | | 30 | | (49) STRUCTURE LENGTH (ft.) | | 210 | | | | | | | |
| (50) CURB/SIDEWALK WIDTHS (ft.) | | LEFT 1.5 | | RIGHT 1.5 | | | | | | | | | |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) | | 27.9 | | | | | | | | | | | |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) | | 33 | | | | | | | | | | | |
| (32) APPROACH ROADWAY WIDTH (ft.) | | 27.9 | | | | | | | | | | | |
| (33) BRIDGE MEDIAN | | 0 | | (34) SKEW (DEG.) | | 0 | | | | | | | |
| (35) STRUCTURE FLARED | | 0 | | (10) INV RTE, MIN VERT CLEAR (ft.) | | 99.99 | | | | | | | |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) | | 31.2 | | | | | | | | | | | |
| (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 | | 12314 | | (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 |
|---|---|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 38 - Reinforced Concrete Slab | 1- Ben. | 6930 | sq. ft. | 6930 | | | |
| | Slab spans with voids. Asphalt has large cracks over joints. | | | | | | |
| 510 - Wearing Surfaces | | 6930 | sq. ft. | 6660 | 270 | 0 | 0 |
| 3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces) | | 270 | | | 270 | | |
| 205 - Reinforced Concrete Column | 1- Ben. | 12 | each | 0 | 12 | 0 | 0 |
| | All columns have minor abrasion near the water line. | | | | | | |
| 1190 - Abrasion/Wear (PSC/RC) | | 12 | | | 12 | | |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 66 | ft. | 66 | | | |
| | The abutments are in good condition. | | | | | | |
| 234 - Reinforced Concrete Pier Cap | 1- Ben. | 199 | ft. | 182 | 0 | 17 | 0 |
| | Ahead side bent 7: large delamination. Ahead and back side of bent 4 with spalls with exposed rebar. | | | | | | |
| 1080 - Delamination/Spall/Patched Area | | 17 | | | | 17 | |
| 330 - Metal Bridge Railing | 1- Ben. | 424 | ft. | 424 | | | |

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Pictures



2 inches of asphalt
overlay on the
bridge deck



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Maintenance Needs



Bent 4 Backside, spall with exposed rebar



Bent 4 Right End Cap, spall with exposed rebar