

Inspector:

Structure Number: M0146

Inspection Date:

Facility Carried: SH 5 White County

Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|---|---------------------------|---|---------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 08/17/2015 |
| (8) STRUCTURE NUMBER | M0146 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 3 1 5 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 05 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 00000 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | CREEK | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | SH 5 White County | CONDITION | |
| (9) LOCATION | 6.75 MI NO OF JCT US 64 | (58) DECK | 7 |
| (11) MILEPOINT | 6.690 | (59) SUPERSTRUCTURE | 7 |
| (12) BASE HIGHWAY NETWORK | 1 | (60) SUBSTRUCTURE | 7 |
| (13A) LRS INVENTORY ROUTE | 0000005140 | (61) CHANNEL & CHANNEL PROTECTION | 7 |
| (13B) SUBROUTE NUMBER | 00 | (62) CULVERT | N |
| (16) LATITUDE | 35.19400 | LOAD RATING AND POSTING | |
| (17) LONGITUDE | -92.07519 | (31) DESIGN LOAD | 2 |
| (98A) BORDER BRIDGE CODE | | (83) METHOD USED TO DETERMINE OPERATING RATING | 1 |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | (64) OPERATING RATING | 50.0 |
| STRUCTURE TYPE AND MATERIAL | | (85) METHOD USED TO DETERMINE INVENTORY RATING | 1 |
| (43) STRUCTURE TYPE, MAIN | | (66) INVENTORY RATING | 30.0 |
| A) KIND OF MATERIAL/DESIGN: | 1 - Concrete | (70) BRIDGE POSTING | 5 |
| B) TYPE OF DESIGN/CONSTR: | 22 - Channel Beam | (41) STRUCTURE OPEN/POSTED/CLOSED | A |
| (44) STRUCTURE TYPE, APPROACH SPANS | | APPRAISAL | |
| A) KIND OF MATERIAL/DESIGN: | 0 - Other | (87) STRUCTURAL EVALUATION | 6 |
| B) TYPE OF DESIGN/CONSTR: | 00 - Other | (68) DECK GEOMETRY | 2 |
| (45) NUMBER OF SPANS IN MAIN | 1 | (89) UNDERCLEARANCES, VERTICAL & HORIZONTAL | N |
| (46) NUMBER OF APPROACH | 0 | (71) WATERWAY ADEQUACY | 8 |
| (107) DECK STRUCTURE TYPE | 2 | (72) APPROACH ROADWAY ALIGNMENT | 8 |
| (108A) WEARING SURFACE | 6 | (36) TRAFFIC SAFETY FEATURE | |
| (108B) DECK MEMBRANE | 0 | 36A) BRIDGE RAILINGS: | 0 |
| (108C) DECK PROTECTION | 0 | 36B) TRANSITIONS: | 0 |
| AGE OF SERVICE | | 36C) APPROACH GUARDRAIL: | 0 |
| (27) YEAR BUILT | 1964 | 36D) APPROACH GUARDRAIL ENDS: | 0 |
| (106) YEAR RECONSTRUCTED | 0000 | (113) SCOUR CRITICAL BRIDGES | 5 |
| (42) TYPE OF SERVICE | ON 1 UNDER 5 | SUFFICIENCY RATING | 2 |
| (28) LANES | ON 02 UNDER 00 | STATUS | 68.2 |
| (29) AVERAGE DAILY TRAFFIC | 2500 | CLASSIFICATION | |
| (19) BYPASS DETOUR LENGTH | 23 | (112) NBIS BRIDGE LENGTH | Y |
| (30) YEAR OF AVERAGE DAILY TRAFFIC | 2014 | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 0 |
| (109) AVERAGE DAILY TRUCK TRAFFIC | 1 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 06 |
| GEOMETRIC DATA | | (100) STRAHNET HIGHWAY DESIGNATION | 0 |
| (48) LENGTH OF MAX SPAN (ft.) | 31 | (101) PARALLEL STRUCTURE DESIGNATION | N |
| (49) STRUCTURE LENGTH (ft.) | 31 | (102) DIRECTION OF TRAFFIC | 2 |
| (50) CURB/SIDEWALK WIDTHS (ft.) | LEFT 0.6 RIGHT 0.6 | (103) TEMP STRUCTURE | |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) | 24.3 | (105) FEDERAL LANDS HIGHWAYS | 0 |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) | 26.2 | (110) DESIGNATED NATIONAL NETWORK | 0 |
| (32) APPROACH ROADWAY WIDTH (ft.) | 22.0 | (20) TOLL | 3 |
| (33) BRIDGE MEDIAN | 0 | (21) MAINTENANCE RESPONSIBILITY | 01 |
| (34) SKEW (DEG.) | 0 | (22) OWNER | 01 |
| (35) STRUCTURE FLARED | 0 | (37) HISTORICAL | 5 |
| (10) INV RTE, MIN VERT CLEAR (ft.) | 99.99 | NAVIGATION DATA | |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) | 25.6 | (38) NAVIGATION CONTROL | 0 |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) | 99.99 | (111) PIER OR ABUTMENT PROTECTION | 1 |
| (54) VERTICAL UNDER CLEARANCE (ft.) | N 0 | (39) NAV VERT CLEARANCE (ft.) | 0 |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) | N 99.9 | (116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.) | 0 |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) | 0 | (40) NAV HORIZONTAL CLEARANCE (ft.) | 0 |
| PROPOSED IMPROVEMENTS | | | |
| (75A) TYPE OF WORK PROPOSED | 31 | (75B) WORK DONE BY | 1 |
| (76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) | 54.0 | | |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | | |
| (95) ROADWAY IMPROVEMENT COST (\$) | 156 | | |
| (96) TOTAL PROJECT COST | 308 | | |
| (97) YEAR OF IMPROVEMENT COST ESTIMATE | 2003 | | |
| (114) FUTURE ADT | 5421 | | |
| (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 |
|---|---|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 16 - Reinforced Concrete Top Flange | 1- Ben. | 812 | sq. ft. | 812 | | | |
| 510 - Wearing Surfaces | | 750 | sq. ft. | 750 | | | |
| 110 - Reinforced Concrete Open Girder/Beam | 1- Ben. | 217 | ft. | 217 | | | |
| | Minor longitudinal cracks to top of Girders some with light efflorescence to Units 1, 2, 4, 6 & 7. Bolts missing from curb units that attach to Units 1 & 7. | | | | | | |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 76 | ft. | 76 | | | |
| | Minor spalls to top of Abutment 1 below units 2 & 4. Left Wing @ Abutment 1 is undermined 1' down & 2' back under. | | | | | | |
| 330 - Metal Bridge Railing | 1- Ben. | 62 | ft. | 62 | | | |
| 515 - Steel Protective Coating | | 186 | sq. ft. | 186 | | | |