

Bridge Inspection Report

M0798
SH35 S4 Lm 6.60
over
DERISAUX RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: M0798

Inspection Date:

Facility Carried: SH35 S4 Lm 6.60

Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|---|--------------------------------------|---|---------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 06/22/2016 |
| (8) STRUCTURE NUMBER | M0798 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 3 1 35 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 07 (3) COUNTY CODE 025 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 00000 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | DERISAUX RELIEF | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | SH35 S4 Lm 6.60 | | |
| (9) LOCATION | 3.07 MI W JCT 79 | | |
| (11) MILEPOINT 6.660 | (12) BASE HIGHWAY NETWORK 0 | | |
| (13A) LRS INVENTORY ROUTE | 0000000000 (13B) SUBROUTE NUMBER 00 | | |
| (16) LATITUDE 33.97524 | (17) LONGITUDE -92.24808 | | |
| (98A) BORDER BRIDGE CODE | | | |
| PERCENT RESPONSIBILITY | (99) BORDER BRIDGE STRUCT | | |
| STRUCTURE TYPE AND MATERIAL | | CONDITION | |
| (43) STRUCTURE TYPE, MAIN | | (58) DECK | 6 |
| A) KIND OF MATERIAL/DESIGN: 1 - Concrete | | (59) SUPERSTRUCTURE | 5 |
| B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam | | (60) SUBSTRUCTURE | 7 |
| (44) STRUCTURE TYPE, APPROACH SPANS | | (61) CHANNEL & CHANNEL PROTECTION | 7 |
| A) KIND OF MATERIAL/DESIGN: 0 - Other | | (62) CULVERT | N |
| B) TYPE OF DESIGN/CONSTR: 00 - Other | | | |
| (45) NUMBER OF SPANS IN MAIN | 4 (46) NUMBER OF APPROACH | | |
| (107) DECK STRUCTURE TYPE | 2 (108A) WEARING SURFACE | | |
| (108B) DECK MEMBRANE | 0 (108C) DECK PROTECTION | | |
| | 0 | | |
| AGE OF SERVICE | | LOAD RATING AND POSTING | |
| (27) YEAR BUILT | 1956 (106) YEAR RECONSTRUCTED | (31) DESIGN LOAD | 2 |
| (42) TYPE OF SERVICE | ON 1 UNDER 5 | (63) METHOD USED TO DETERMINE OPERATING RATING | 1 |
| (28) LANES | ON 02 UNDER 00 | (64) OPERATING RATING | 49 |
| (29) AVERAGE DAILY TRAFFIC | 630 (19) BYPASS DETOUR LENGTH | (65) METHOD USED TO DETERMINE INVENTORY RATING | 1 |
| (30) YEAR OF AVERAGE DAILY TRAFFIC | 2014 | (66) INVENTORY RATING | 29 |
| (109) AVERAGE DAILY TRUCK TRAFFIC | 1 | (70) BRIDGE POSTING | 5 |
| | | (41) STRUCTURE OPEN/POSTED/CLOSED | A |
| GEOMETRIC DATA | | APPRAISAL | |
| (48) LENGTH OF MAX SPAN (ft.) | 19 (49) STRUCTURE LENGTH (ft.) | (67) STRUCTURAL EVALUATION | 5 |
| (50) CURB/SIDEWALK WIDTHS (ft.) | LEFT 0.6 RIGHT 0.6 | (68) DECK GEOMETRY | 4 |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) | 23.6 | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | N |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) | 25.3 | (71) WATERWAY ADEQUACY | 7 |
| (32) APPROACH ROADWAY WIDTH (ft.) | 26.9 | (72) APPROACH ROADWAY ALIGNMENT | 7 |
| (33) BRIDGE MEDIAN | 0 (34) SKEW (DEG.) | (36) TRAFFIC SAFETY FEATURE | |
| (35) STRUCTURE FLARED | 0 (10) INV RTE, MIN VERT CLEAR (ft.) | 36A) BRIDGE RAILINGS: | 0 |
| (47) TOTAL HORIZONTAL CLEARANCE (ft.) | 25.6 | 36B) TRANSITIONS: | 0 |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) | 99.99 | 36C) APPROACH GUARDRAIL: | 0 |
| (54) VERTICAL UNDER CLEARANCE (ft.) | N 0 | 36D) APPROACH GUARDRAIL ENDS: | 0 |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) | N 99.9 | (113) SCOUR CRITICAL BRIDGES | 5 |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) | 0 | SUFFICIENCY RATING | 0 |
| | | STATUS | 63.8 |
| 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 | 0 |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 07 |
| (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 | 890 (115) YEAR OF FUTURE ADT | (103) TEMP STRUCTURE | |
| | 2028 | (105) FEDERAL LANDS HIGHWAYS | 0 |
| | | (110) DESIGNATED NATIONAL NETWORK | 0 |
| | | (20) TOLL | 3 |
| | | (21) MAINTENANCE RESPONSIBILITY | 01 |
| | | (22) OWNER | 01 |
| | | (37) HISTORICAL | 5 |
| | | NAVIGATION DATA | |
| | | (38) NAVIGATION CONTROL | 0 |
| | | (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 |

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Element Inspection

Note: Estim. 0.5" of ACHM
overlay on deck

| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---|---|-------------------|---------|----------------------|----------------------|----------------------|----------------------|
| 16 - Reinforced Concrete Top Flange | 1- Ben. | 1801 | sq. ft. | 1801 | | | |
| | Normal wear | | | | | | |
| 510 - Wearing Surfaces | | 1801 | sq. ft. | 0 | 1801 | | |
| 110 - Reinforced Concrete Open Girder/Beam | 1- Ben. | 532 | ft. | 132 | 300 | 100 | 0 |
| | Cracks, spalls with exposed steel with moderate (measurable) to severe section loss. | | | | | | |
| 1080 - Delamination/Spall/Patched Area | | 200 | | | 200 | | |
| 1090 - Exposed Rebar | | 100 | | | | 100 | |
| 1130 - Cracking (RC and Other) | | 100 | | | 100 | | |
| 206 - Timber Column | 1- Ben. | 15 | each | 0 | 15 | | |
| | Normal wear | | | | | | |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 51 | ft. | 0 | 51 | | |
| | normal wear | | | | | | |
| 234 - Reinforced Concrete Pier Cap | 1- Ben. | 76 | ft. | 0 | 76 | | |
| | normal wear. | | | | | | |
| 306 - Other Joint | 1- Ben. | 76 | ft. | 0 | 76 | 0 | 0 |
| | Leaking | | | | | | |
| 2310 - Leakage | | 76 | | | 76 | | |
| 330 - Metal Bridge Railing | 1- Ben. | 152 | ft. | 152 | | | |

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/24/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Br. End Post @ Abut. 1 Lt. - collision damage to post and rail end.

Span 4 Rt., Concrete bridge post and metal railing - collision damage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 6/24/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

PC units all spans have spalls, cracks, and exposed steel with minor to moderate section loss. Span 1 units 2, 4, & 6. Span 2 units 1, 2, 3, 4, & 6 (#2 - 15' spall) - 27' spall. Span 3 units 2, 3, 4, 5, & 6 (#3 & 6 = 38' spall) - 44' spall. Span 4 units 1, 2, 3, 4, 5, & 6 (#2 & 6 = 38' spall) - 50' spall.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description