

Bridge Inspection Report

06602
SH 36 O/P White Co
over
US HWY 67&167



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06602

Inspection Date:

Facility Carried: SH 36 O/P White Co

Bridge Inspection Report

National Bridge Inventory

| IDENTIFICATION | | INSPECTIONS | |
|--|--|---|---------------|
| (1) STATE CODE | 056 - Arkansas | (90) INSPECTION DATE | 09/10/2015 |
| (8) STRUCTURE NUMBER | 06602 | (91) DESIGNATED INSPECTION FREQUENCY | 24 |
| (5) INV. ROUTE (ON/UNDER) | 1 3 1 36 0 | (92) CRITICAL FEATURE INSPECTION | (93) CFI DATE |
| (2) HIGHWAY AGENCY | 05 (3) COUNTY CODE 145 | A. FRACTURE CRITICAL DETAIL | N |
| (4) PLACE CODE | 60780 | B. UNDERWATER INSPECTION | N |
| (6) FEATURES INTERSECTED | US HWY 67&167 | C. OTHER SPECIAL | N |
| (7) FACILITY CARRIED | SH 36 O/P White Co | | |
| (9) LOCATION | 2.1 MI E OF SH 36&MAIN | | |
| (11) MILEPOINT 23.610 | (12) BASE HIGHWAY NETWORK 0 | | |
| (13A) LRS INVENTORY ROUTE | 0000000000 (13B) SUBROUTE NUMBER 00 | | |
| (16) LATITUDE 35.23605 | (17) LONGITUDE -91.70188 | | |
| (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 | 8 |
| B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder | | (60) SUBSTRUCTURE | 8 |
| (44) STRUCTURE TYPE, APPROACH SPANS | | (61) CHANNEL & CHANNEL PROTECTION | N |
| 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 0 | | |
| (107) DECK STRUCTURE TYPE 1 | (108A) WEARING SURFACE 1 | | |
| (108B) DECK MEMBRANE 0 | (108C) DECK PROTECTION 3 | | |
| AGE OF SERVICE | | LOAD RATING AND POSTING | |
| (27) YEAR BUILT 1995 | (106) YEAR RECONSTRUCTED 0000 | (31) DESIGN LOAD | 5 |
| (42) TYPE OF SERVICE ON 1 UNDER 1 | | (63) METHOD USED TO DETERMINE OPERATING RATING | 1 |
| (28) LANES ON 03 UNDER 04 | | (64) OPERATING RATING | 60.0 |
| (29) AVERAGE DAILY TRAFFIC 12000 | (19) BYPASS DETOUR LENGTH 0 | (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 1 | | (70) BRIDGE POSTING | 5 |
| | | (41) STRUCTURE OPEN/POSTED/CLOSED | A |
| GEOMETRIC DATA | | APPRAISAL | |
| (48) LENGTH OF MAX SPAN (ft.) 86 | (49) STRUCTURE LENGTH (ft.) 302 | (67) STRUCTURAL EVALUATION | 8 |
| (50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0 | | (68) DECK GEOMETRY | 7 |
| (51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 51.8 | | (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL | 9 |
| (52) DECK WIDTH, OUT-TO-OUT (ft.) 54.8 | | (71) WATERWAY ADEQUACY | N |
| (32) APPROACH ROADWAY WIDTH (ft.) 51.8 | | (72) APPROACH ROADWAY ALIGNMENT | 8 |
| (33) BRIDGE MEDIAN 0 | (34) SKEW (DEG.) 0 | (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.) 53.1 | | 36B) TRANSITIONS: | 1 |
| (53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99 | | 36C) APPROACH GUARDRAIL: | 0 |
| (54) VERTICAL UNDER CLEARANCE (ft.) H 17.06 | | 36D) APPROACH GUARDRAIL ENDS: | 1 |
| (55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 27.1 | | (113) SCOUR CRITICAL BRIDGES | N |
| (56) MIN LATERAL UNDER CLEARANCE (ft.) 28.6 | | SUFFICIENCY RATING | 0 |
| | | STATUS | 100.0 |
| 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 | 0 |
| (94) BRIDGE IMPROVEMENT COST (\$) | 0 | (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 16 |
| (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 12196 | (115) YEAR OF FUTURE ADT 2028 | (103) TEMP STRUCTURE | |
| | | (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 | N |
| | | (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 |

Inspector:

Structure Number: 06602

Inspection Date:

Facility Carried: SH 36 O/P White
Co

Bridge Inspection Report

National Bridge Inventory

UNDER RECORD A

IDENTIFICATION

| | | | |
|---------------------------|----------------|---------------------------|--------------------------------------|
| (1) STATE CODE | 056 - Arkansas | (7) FACILITY CARRIED | SH 36 |
| (3) COUNTY CODE | 145 | (8) STRUCTURE NUMBER | 06602 |
| (4) PLACE CODE | 60780 | (9) LOCATION | 2.1 MI E OF SH 36&MAIN |
| (5) INV. ROUTE (ON/UNDER) | A 2 1 67 3 | (11) MILEPOINT | 19.380 (12) BASE HIGHWAY NETWORK 0 |
| (6) FEATURES INTERSECTED | US HWY 67&167 | (13A) LRS INVENTORY ROUTE | 0000000000 (13B) SUBROUTE NUMBER 00 |
| | | (16) LATITUDE | 35. (17) LONGITUDE -91.7016666666667 |
| | | | 2366666666667 |

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

| | | | |
|----------------------------|----------------|------------------------------------|--------------|
| (19) BYPASS DETOUR LENGTH | 0 | (30) YEAR OF AVERAGE DAILY TRAFFIC | 2014 |
| (27) YEAR BUILT | 1995 | (42) TYPE OF SERVICE | ON 1 UNDER 1 |
| (28) LANES | ON 04 UNDER 03 | (109) AVERAGE DAILY TRUCK TRAFFIC | 1 |
| (29) AVERAGE DAILY TRAFFIC | 12000 | | |

GEOMETRIC DATA

| | | | |
|----------------------------------|------|-----------------------------|------------------------------|
| (10) INV RTE, MIN VERT CLEARANCE | 17.1 | (48) LENGTH OF MAXIMUM SPAN | 86 (49) STRUCTURE LENGTH 302 |
| (47) TOTAL HORIZONTAL CLEARANCE | 83.0 | | |

CLASSIFICATION

| | | | |
|---|----|---|---|
| (20) TOLL | 3 | (102) DIRECTION OF TRAFFIC | 1 |
| (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 07 | (103) TEMP STRUCTURE | |
| (100) STRAHNET HIGHWAY DESIGNATION | 0 | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 1 |
| (101) PARALLEL STRUCTURE DESIGNATION | N | (110) DESIGNATED NATIONAL NETWORK | 0 |

UNDER RECORD B

IDENTIFICATION

| | | | |
|---------------------------|----------------|---------------------------|--------------------------------------|
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| (29) AVERAGE DAILY TRAFFIC | 12000 | | |

GEOMETRIC DATA

| | | | |
|----------------------------------|------|-----------------------------|------------------------------|
| (10) INV RTE, MIN VERT CLEARANCE | 17.2 | (48) LENGTH OF MAXIMUM SPAN | 86 (49) STRUCTURE LENGTH 302 |
| (47) TOTAL HORIZONTAL CLEARANCE | 83.0 | | |

CLASSIFICATION

| | | | |
|---|----|---|---|
| (20) TOLL | 3 | (102) DIRECTION OF TRAFFIC | 1 |
| (26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE | 07 | (103) TEMP STRUCTURE | |
| (100) STRAHNET HIGHWAY DESIGNATION | 0 | (104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE | 1 |
| (101) PARALLEL STRUCTURE DESIGNATION | N | (110) DESIGNATED NATIONAL NETWORK | 0 |

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Element Inspection

| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---|--|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 12 - Reinforced Concrete Deck | 1- Ben. | 16550 | sq. ft. | 16550 | | | |
| | Minor cracking Areas of rust to soffit deck pans @ all spans. | | | | | | |
| 107 - Steel Open Girder/Beam | 1- Ben. | 2100 | ft. | 2100 | | | |
| | Minor flaking to girders & splice plates @ all spans. | | | | | | |
| 515 - Steel Protective Coating | | 6300 | sq. ft. | 6300 | | | |
| 205 - Reinforced Concrete Column | 1- Ben. | 9 | each | 9 | | | |
| 215 - Reinforced Concrete Abutment | 1- Ben. | 110 | ft. | 110 | | | |
| | A few minor efflorescence cracks @ Abutment 1 & 2. Abutment 1 - Erosion to concrete riprap on right side. Abutment 2 - Heavy erosion to concrete riprap on right side. | | | | | | |
| 234 - Reinforced Concrete Pier Cap | 1- Ben. | 161 | ft. | 161 | | | |
| | Minor delaminated are to bottom of cap @ Bent 2. | | | | | | |
| 301 - Pourable Joint Seal | 1- Ben. | 502 | ft. | 0 | 502 | | 0 |
| | Areas of joint seals have separated. | | | | | | |
| 2320 - Seal Adhesion | | 502 | | | 502 | | |
| 302 - Compression Joint Seal | 1- Ben. | 110 | ft. | 0 | 110 | | 0 |
| | Adhesion failures with areas of tearing @ several places. Debris in joint at Abutment 1 & 2 | | | | | | |
| 2320 - Seal Adhesion | | 110 | | | 110 | | |
| 310 - Elastomeric Bearing | 1- Ben. | 21 | each | 21 | | | |
| 311 - Movable Bearing | 1- Ben. | 14 | each | 14 | | | |
| 515 - Steel Protective Coating | | 15 | sq. ft. | 15 | | | |
| 321 - Reinforced Concrete Approach Slab | 1- Ben. | 3946 | sq. ft. | 0 | 3946 | | 0 |
| | Unsealed cracks & visible settlement to slab @ abutment 1 & 2 | | | | | | |
| 1130 - Cracking (RC and Other) | | 3946 | | | 3946 | | |
| 331 - Reinforced Concrete Bridge Railing | 1- Ben. | 640 | ft. | 640 | | | |
| | Minor cracking | | | | | | |