

# Bridge Inspection Report

**03594**  
**SH 4-17 LM 8.32**  
**over**  
**Little Boggy Bayou**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 03594

Inspection Date:

Facility Carried: SH 4-17 LM 8.32

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/29/2016
(8) STRUCTURE NUMBER	03594	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 4 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 041	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Little Boggy Bayou	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 4-17 LM 8.32		
(9) LOCATION	2.3 M W Arkansas City		
(11) MILEPOINT 8.320	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.60533697695877	(17) LONGITUDE -91.24525749206543		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(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 3	(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		LOAD RATING AND POSTING	
(27) YEAR BUILT 1963	(106) YEAR RECONSTRUCTED 0000	(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	46.0
(29) AVERAGE DAILY TRAFFIC 950	(19) BYPASS DETOUR LENGTH 15	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	27.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 25	(49) STRUCTURE LENGTH (ft.) 75		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1	RIGHT 1		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.5		
(32) APPROACH ROADWAY WIDTH (ft.)	34.1		
(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.)	25.9		
(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		APPRAISAL	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(67) STRUCTURAL EVALUATION	6
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(68) DECK GEOMETRY	4
(94) BRIDGE IMPROVEMENT COST (\$)	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(71) WATERWAY ADEQUACY	8
(96) TOTAL PROJECT COST	0	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 946	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	0
		36B) TRANSITIONS:	0
		36C) APPROACH GUARDRAIL:	0
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	0
		STATUS	72.3
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
		(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
		(102) DIRECTION OF TRAFFIC	2
		(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	0
		(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

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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.	2137	sq. ft.	2137			
	Deck: 75 x 28.5 Wearing surface: Moderate-sized transverse cracks at bents and bridge ends (96 sqft). Some minor cracking in wheel ruts, mainly on Spans 2-3 (84 sqft).						
510 - Wearing Surfaces		1800	sq. ft.	1620	180	0	0
3220 - Crack (Wearing Surface)		180			180		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	68	ft.	68			
	34ft each bent 1 & 2.						
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	6	each	6			
	3 per bent, bents 2-3.						
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	48	ft.	46	1	1	0
	24ft each, bents 2-3. Bent 3 right: Some cracking/efflorescence on ahead face with one small piece of rebar exposed. Some signs of leakage and efflorescence build-up at keyways.						
1090 - Exposed Rebar		1				1	
1130 - Cracking (RC and Other)		1			1		
<b>330 - Metal Bridge Railing</b>	1- Ben.	150	ft.	150			
	75ft each side. Coating: 2.5 square feet per linear feet of railing. Various posts: Some minor cracking on the top 6". Span 3 left at abutment has spalls from previous traffic impact.						
515 - Steel Protective Coating		375	sq. ft.	375			



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### Pictures



Deck has 4 inches of asphalt overlay

