

Bridge Inspection Report

03593

SH 4-17 LM 7.44

over

Boggy Bayou



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

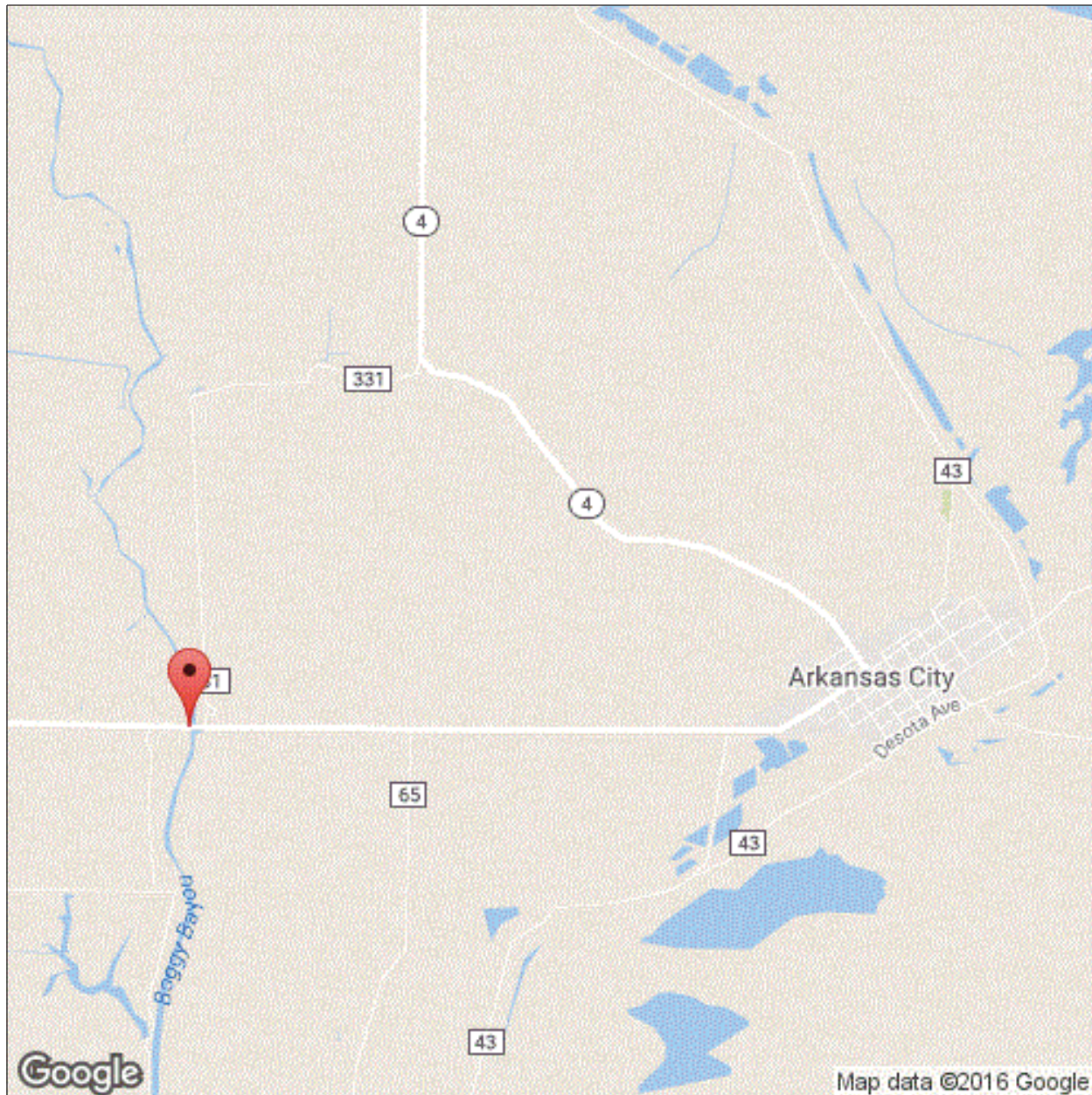
Structure Number: 03593

Inspection Date:

Facility Carried: SH 4-17 LM 7.44

Bridge Inspection Report

Location Map



Latitude: 33.605457262802794

Longitude: -91.26057315905882

Inspector:

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/22/2017
(8) STRUCTURE NUMBER	03593	(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	Boggy Bayou	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 4-17 LM 7.44		
(9) LOCATION	7.44 Mi E US 65-McGehee		
(11) MILEPOINT 7.440	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.60545726280279	(17) LONGITUDE -91.26057315905882		
(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	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 11	(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	43.0
(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	26.0
(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.) 275		
(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.)	28.6		
(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	
		36A) BRIDGE RAILINGS:	0
		36B) TRANSITIONS:	0
		36C) APPROACH GUARDRAIL:	0
		36D) APPROACH GUARDRAIL ENDS:	0
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	0
		STATUS	70.0
		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

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(114) FUTURE ADT 946 (115) YEAR OF FUTURE ADT 2028 (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
38 - Reinforced Concrete Slab	1- Ben.	7865	sq. ft.	7855	0	10	0
	Deck: 24' wide x 275' long. Wearing surface: Moderate- to large-sized transverse cracks at bents - CS3 288 sqft. Hairline- to minor-sized longitudinal cracks beginning to show in wheel ruts. Soffit: Spans 7 & 8: Spalling with some rebar exposed on bottom corners of deck, mainly at drains and adjacent to caps.						
1090 - Exposed Rebar		10				10	
510 - Wearing Surfaces		6600	sq. ft.	6312	0	288	0
3220 - Crack (Wearing Surface)		288				288	
215 - Reinforced Concrete Abutment	1- Ben.	68	ft.	68			
	Abutments: 34' each \ Bents 1 & 12.						
227 - Reinforced Concrete Pile	1- Ben.	30	each	30			
	Piling: 3 per bent \ Bents 2-11.						
234 - Reinforced Concrete Pier Cap	1- Ben.	240	ft.	204	12	24	0
	Caps: 24' each \ Bents 2-11. Bents 2, 3, 5, 8, 9, & 11: Scattered small, shallow delaminations and spalls with exposed rebar.						
1080 - Delamination/Spall/Patched Area		12			12		
1090 - Exposed Rebar		24				24	
330 - Metal Bridge Railing	1- Ben.	550	ft.	550			
	Railing: 275" each side. Coating: 2.5 square feet per linear feet of railing. Metal railing with concrete posts. Paint is very thin and worn with primer showing through in most places. Some scattered collision damage to rails & posts.						
515 - Steel Protective Coating		1375	sq. ft.	0	1375	0	0
3410 - Chalking (Steel Protective Coatings)		1375			1375		

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Pictures



Deck has 5 inches
of asphalt overlay



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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/11/2015 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Caps - Bents 2, 3, 5, 8, 9, & 11: Scattered small, shallow delaminations and spalls with exposed rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Caps - Bent 10 back: Rebar exposed

Stage: Monitor



PHOTO 2 Description Cap - Bent 9 right end: Rebar exposed

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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/11/2015 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

Deficiency Description:

CORRECTED - Beginning of bridge (West) route and section marker missing.

Work Description:

03/22/2017 GGL-KLR: Log mile sign in place this inspection.

Date Repairs Completed: 03/22/2017

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 2/11/2015 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

Deficiency Description:

Soffit - Spans 7 & 8: Spalling with some rebar exposed on bottom corners of deck, mainly at drains and caps.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Soffit - Span 8 right: Rebar exposed

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Maintenance Needs

Date Reported: 2/11/2015 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

Deficiency Description:

Channel - Bents 5, 6, & 7: Minor build-up of drift and debris against pile.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Channel - Bents 5-7: Debris build-up