

# Bridge Inspection Report

**06933**  
**SH 1-01 LM 9.70**  
**over**  
**Boggy Bayou**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

Structure Number: 06933

Inspection Date:

Facility Carried: SH 1-01 LM 9.70

### Bridge Inspection Report

### Location Map



Latitude: 33.73313703954633

Longitude: -91.29124253935282



Inspector:

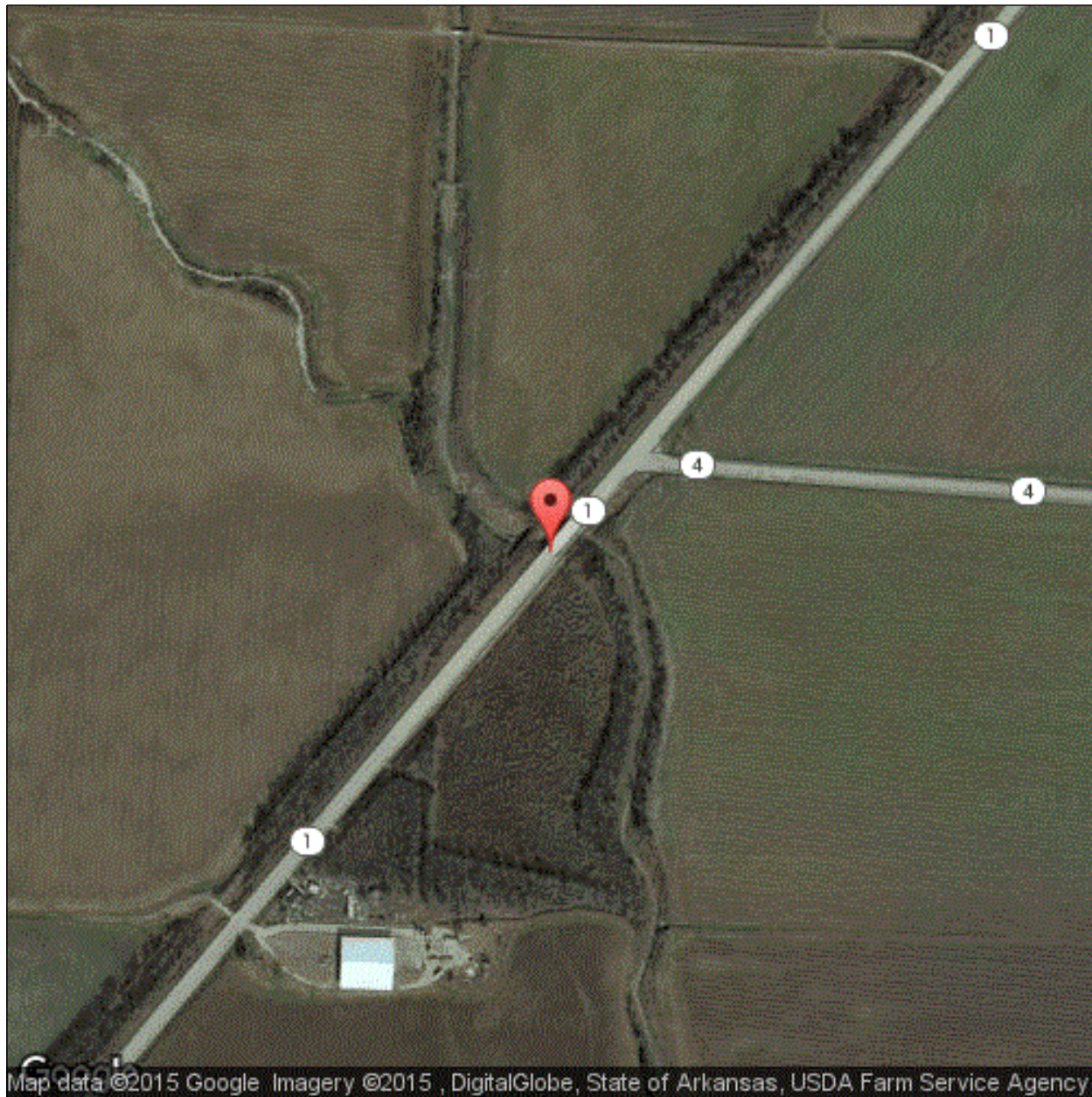
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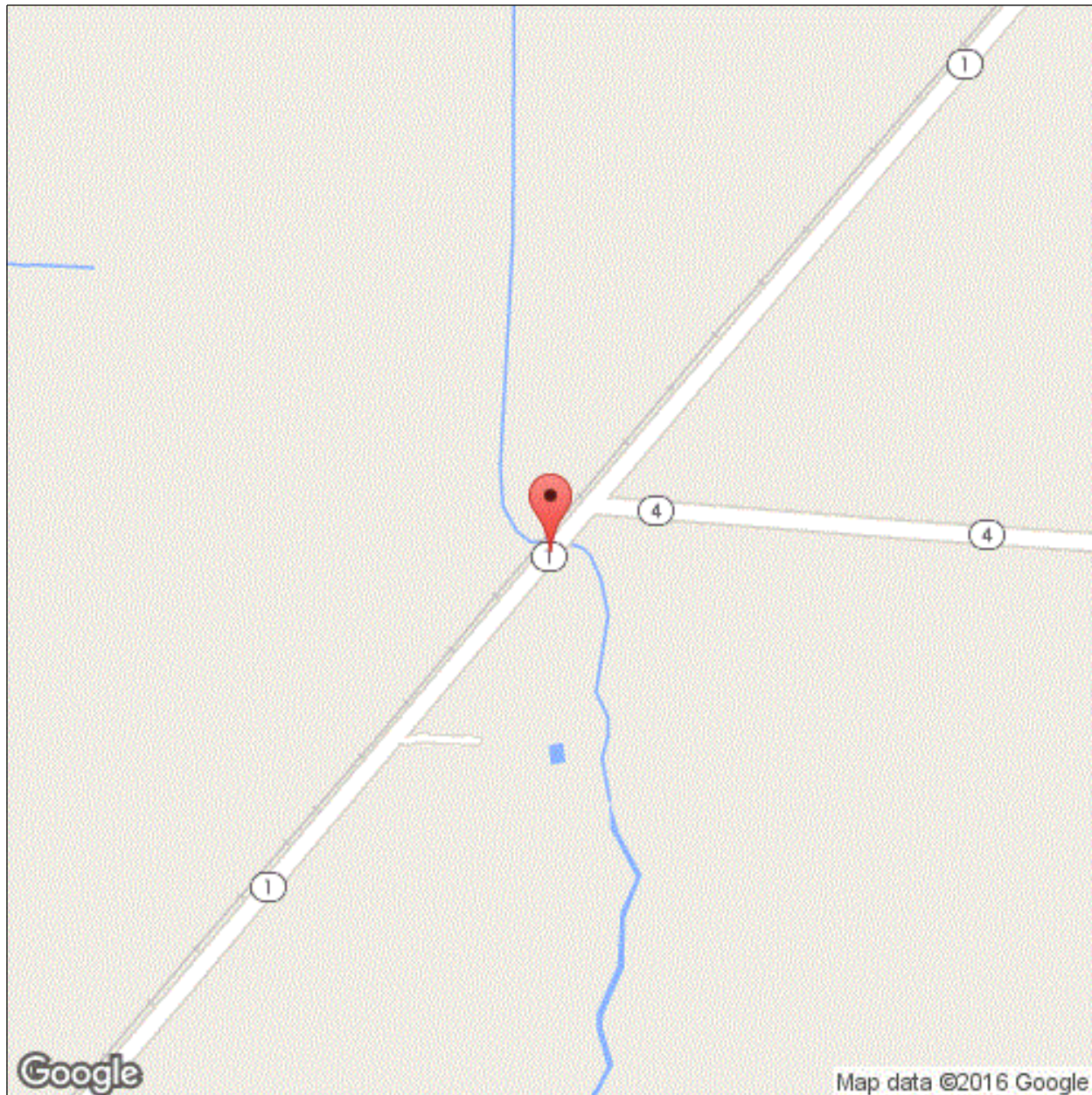
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**Executive Summary**

Bridge 000000000006933 BUILT UNDER JOB #020045, FAP. # BRN-0021(23).  
OPENED TO TRAFFIC 12-10-2004.

Beginning of structure toward US 65, McGehee, Southwest End.

03-10-2008, Dropping UW inspection due to sub-str. elements are not continuously submerged. RLW

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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/31/2018
(8) STRUCTURE NUMBER	06933	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 1 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 1-01 LM 9.70		
(9) LOCATION	9.70 Mi NE US 65-McGehee		
(11) MILEPOINT 9.700	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.73313703954633	(17) LONGITUDE -91.29124253935282		
(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	8
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 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2004	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	6
(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	60.0
(29) AVERAGE DAILY TRAFFIC 1700	(19) BYPASS DETOUR LENGTH 30	(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 10		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 50	(49) STRUCTURE LENGTH (ft.) 133	(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.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 35	(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.) 41.3		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.90		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	96.1
		STATUS	0
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)		(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST		(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 1731	(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	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>12 - Reinforced Concrete Deck</b>	1- Ben.	5692	sq. ft.	5140	502	50	0
	Deck: 42.8' x 133' Unsealed, moderate-sized longitudinal cracks along each side of Girders 3 & 4 - full-length of bridge.						
1130 - Cracking (RC and Other)		552			502	50	
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	780	ft.	780			
	Girders: 6 each at 130' Coating: 6.2 square feet per linear feet of girder. Weathered steel girders are chocolate brown in color.						
515 - Steel Protective Coating		4836	sq. ft.	4406	430	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		430			430		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	100	ft.	100			
	Abutments: 50' each bents 1 & 4 Both abutments have very small vertical cracks in backwalls between beams.						
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	14	each	11	3	0	0
	Pile: 7 each bents 2-3 Very small scrapes and pop outs.( pop outs at lifting eyes for construction.)						
6000 - Scour		3			3		
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	100	ft.	100			
	Caps: 50' each bents 2-3.						
<b>302 - Compression Joint Seal</b>	1- Ben.	100	ft.	10	90	0	0
	Joint seals: 50' each bents 1 & 4 Bents 1 & 4: Joint seals have started to lose adhesion, mainly on the left side.						
2320 - Seal Adhesion		45			45		
2350 - Debris Impaction		45			45		
<b>310 - Elastomeric Bearing</b>	1- Ben.	24	each	24			
	Bearings: 6 each bents 1-4						
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	266	ft.	259	7	0	0
	Rail: 133' each side. Both sides of bridge rail have small areas of cracking with light efflorescence.						
1120 - Efflorescence/Rust Staining		7			7		



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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 2

Description

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**Bridge Inspection Report**

**Pictures**

PHOTO 2

Description

PHOTO 3

Description

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**Bridge Inspection Report**

**Sketches**



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 01/31/2018

Priority: G - General/ Preventive maintenance

Work Code: Repair

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#### Deficiency Description:

Log mile signs - both ends of bridge: No route and section signs. Object markers and posts in place.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1      Description      Log mile sign - Bent 1 right (sign missing)

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 01/19/2016

Priority: D - Routine

Work Code: Repair

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### Deficiency Description:

Deck - all spans: Unsealed, moderate-sized longitudinal cracks along each side of Girders 3 & 4 - full-length of bridge.

### Work Description:

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### Date Repairs Completed:

### Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Deck - Span 2 right (longitudinal cracking)