

Bridge Inspection Report

06931
SH 1-01 LM 7.01
over
Canal # 43



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

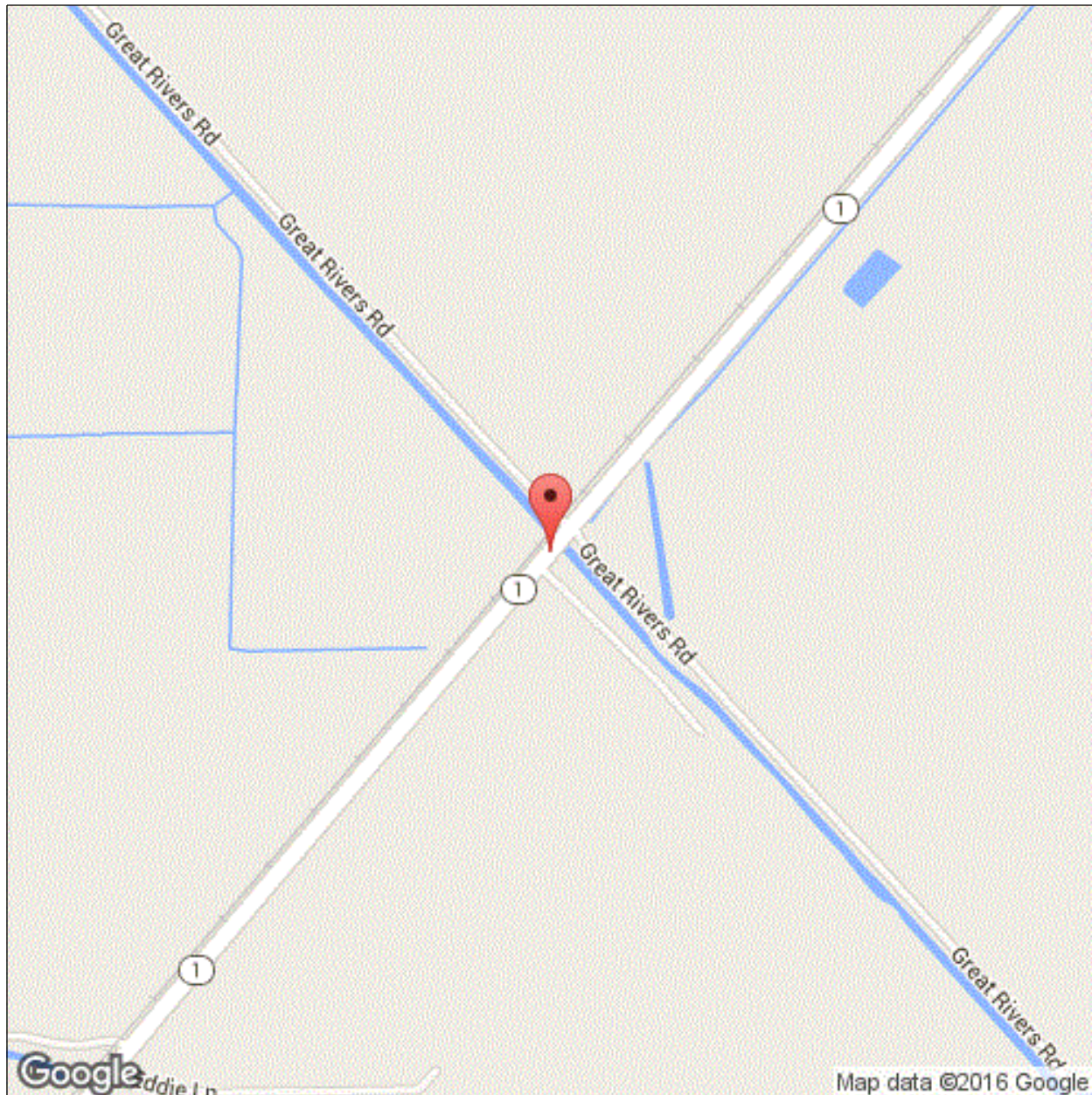
Structure Number: 06931

Inspection Date:

Facility Carried: SH 1-01 LM 7.01

Bridge Inspection Report

Location Map



Latitude: 33.703448220140274

Longitude: -91.32159005456504

Inspector:

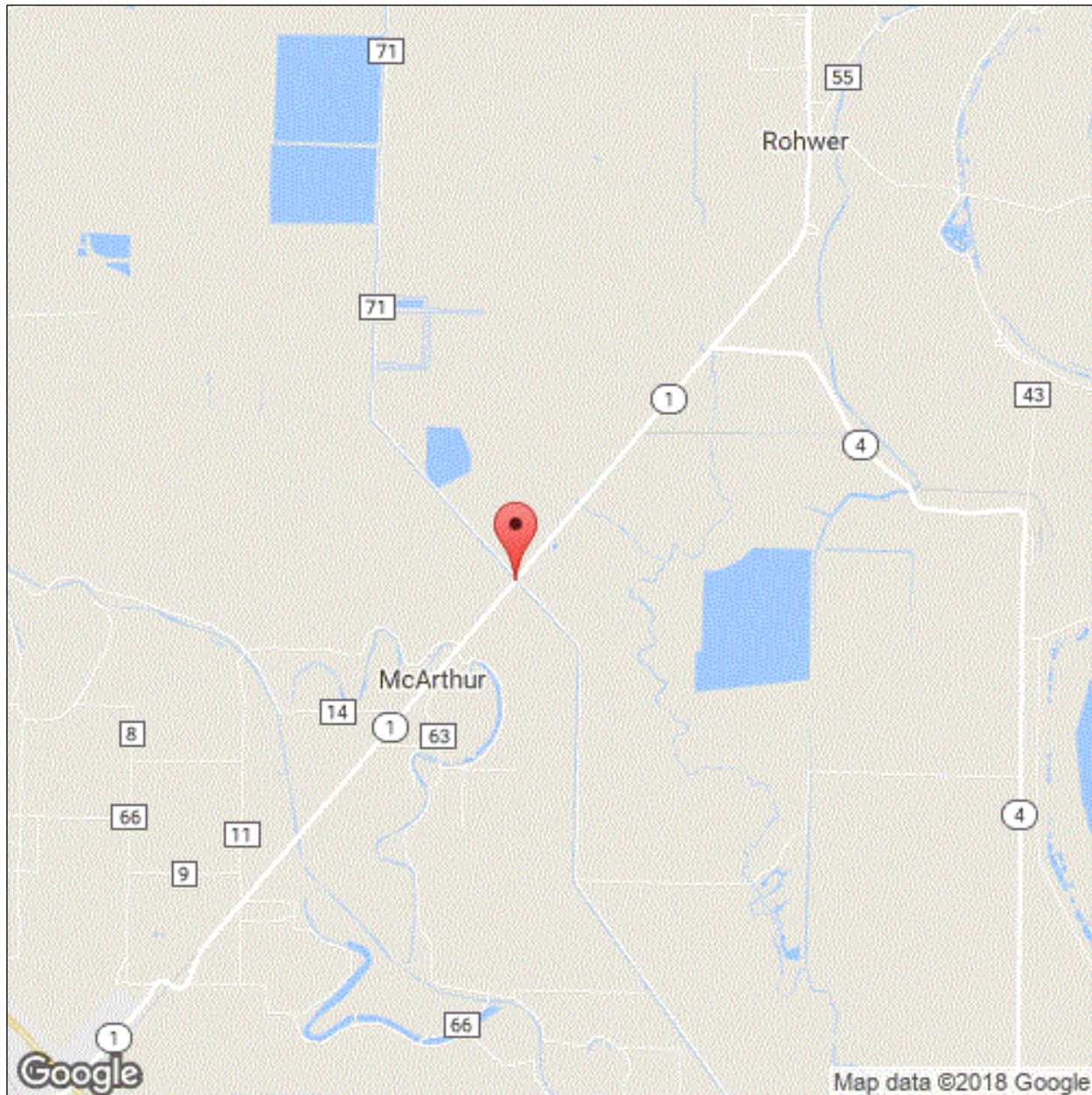
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Bridge Inspection Report

Location Map



Latitude: 33.703448220140274

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Bridge Inspection Report

Executive Summary

Bridge 000000000006931 BUILT UNDER JOB #020045, FAP #BRN-00219(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 (Piles in bents 2 & 3) 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	06931	(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	Canal # 43	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 1-01 LM 7.01		
(9) LOCATION	7.01 Mi NE US 65-McGehee		
(11) MILEPOINT 7.010	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.703448220140274	(17) LONGITUDE -91.32159005456504		
(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	8
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(60) SUBSTRUCTURE	8
(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 5	(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	5
(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.) 30	(49) STRUCTURE LENGTH (ft.) 150	(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.) 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.) 41.3		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.90		36C) APPROACH GUARDRAIL:	0
(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	95.1
		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
		(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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National Bridge Inventory

(114) FUTURE ADT 1731

(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
16 - Reinforced Concrete Top Flange	1- Ben.	6420	sq. ft.	6018	390	12	0
	Deck 42.8' x150' Spans 1, 4 & 5: Unsealed, minor- to moderate-sized longitudinal cracks - in right lane of Span 1 and in both lanes of Spans 4 & 5, with some reflective efflorescence on soffit of Span 1. .						
1120 - Efflorescence/Rust Staining		30			30		
1130 - Cracking (RC and Other)		372			360	12	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	750	ft.	750			
	150' per girder at 5 each.						
215 - Reinforced Concrete Abutment	1- Ben.	86	ft.	85	1	0	0
	43'each bents 1 & 6 Abutment bent 1 has small contact spalls key way.						
1080 - Delamination/Spall/Patched Area		1			1		
227 - Reinforced Concrete Pile	1- Ben.	24	each	24			
	6 each at bents 2-5						
234 - Reinforced Concrete Pier Cap	1- Ben.	172	ft.	172			
	42.8' each bents 2-5 Bent 3 very small contact spalls at key ways.						
301 - Pourable Joint Seal	1- Ben.	171	ft.	124	47	0	0
	Joint seals: 42' each Bents 2-5 Poured joint material is intact, but is losing adhesion in many places with gravel and debris in gutter lines.						
2320 - Seal Adhesion		31			31		
2350 - Debris Impaction		16			16		
331 - Reinforced Concrete Bridge Railing	1- Ben.	300	ft.	300			
	150' each side.						

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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

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 01/31/2018

Priority: D - Routine

Work Code: Repair

Deficiency Description:

End slope - Span 5: Scattered areas of various degrees of erosion of embankment from Bent 6 abutment down to and between Bent 5 piling.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description End slope - Span 5 (erosion)

Stage: Monitor



PHOTO 2 Description End slope near bent 6 abutment has erosion to channel bank.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 1/22/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: Clean

Deficiency Description:

COMPLETED - Bent 4 upstream against column 1 tree and debris.

Work Description:

01/19/2016 GGL-KLR: Only minor amount of debris build-up in place this inspection.

Date Repairs Completed: 01/19/2016

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Channel - Spans 2-4 (small amount of debris)

Inspector:

Structure Number: 06931

Inspection Date:

Facility Carried: SH 1-01 LM 7.01

Bridge Inspection Report

Maintenance Needs

Date Reported: 1/22/2014 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: Repair

Deficiency Description:

Deck - Spans 1, 4 & 5: Unsealed, minor- to moderate-sized longitudinal cracks - in right lane of Span 1 and in both lanes of Spans 4 & 5, with some reflective efflorescence on soffit of Span 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Deck - Span 4 (longitudinal cracking)

Stage: Monitor



PHOTO 2 Description Deck - Span 1 right (cracking)

Inspector:

Inspection Date:

Structure Number: 06931

Facility Carried: SH 1-01 LM 7.01

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Soffit - Span 1 Bay 4 (efflorescence)

Inspector:

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Maintenance Needs

Date Reported: 01/19/2016

Priority: D - Routine

Work Code: Repair

Deficiency Description:

Joints - Bents 2-5: Poured joint material is intact, but is losing adhesion in many places.

Work Description:

Date Repairs Completed:

Maintenance Comments:

clean, repair , and re-apply adhesive to make joint material stick

Stage: Open



PHOTO 1 Description Joint - Bent 2 (losing adhesion)

Stage: Open



PHOTO 2 Description Joint - Bent 5 (losing adhesion)

Inspector:

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Maintenance Needs

Date Reported: 01/31/2018

Priority: D - Routine

Work Code:

Deficiency Description:

Both gutter line have gravel and debris restricting storm water run off.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Left gutter line has gravel and dirt restricting storm water run off.