

# Bridge Inspection Report

**06165**  
**SH 51 S-2 LM1.40**  
**over**  
**SALINE BAYOU**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	9
ELEMENTS	10
PICTURES	11
SKETCHES	12

Inspector:

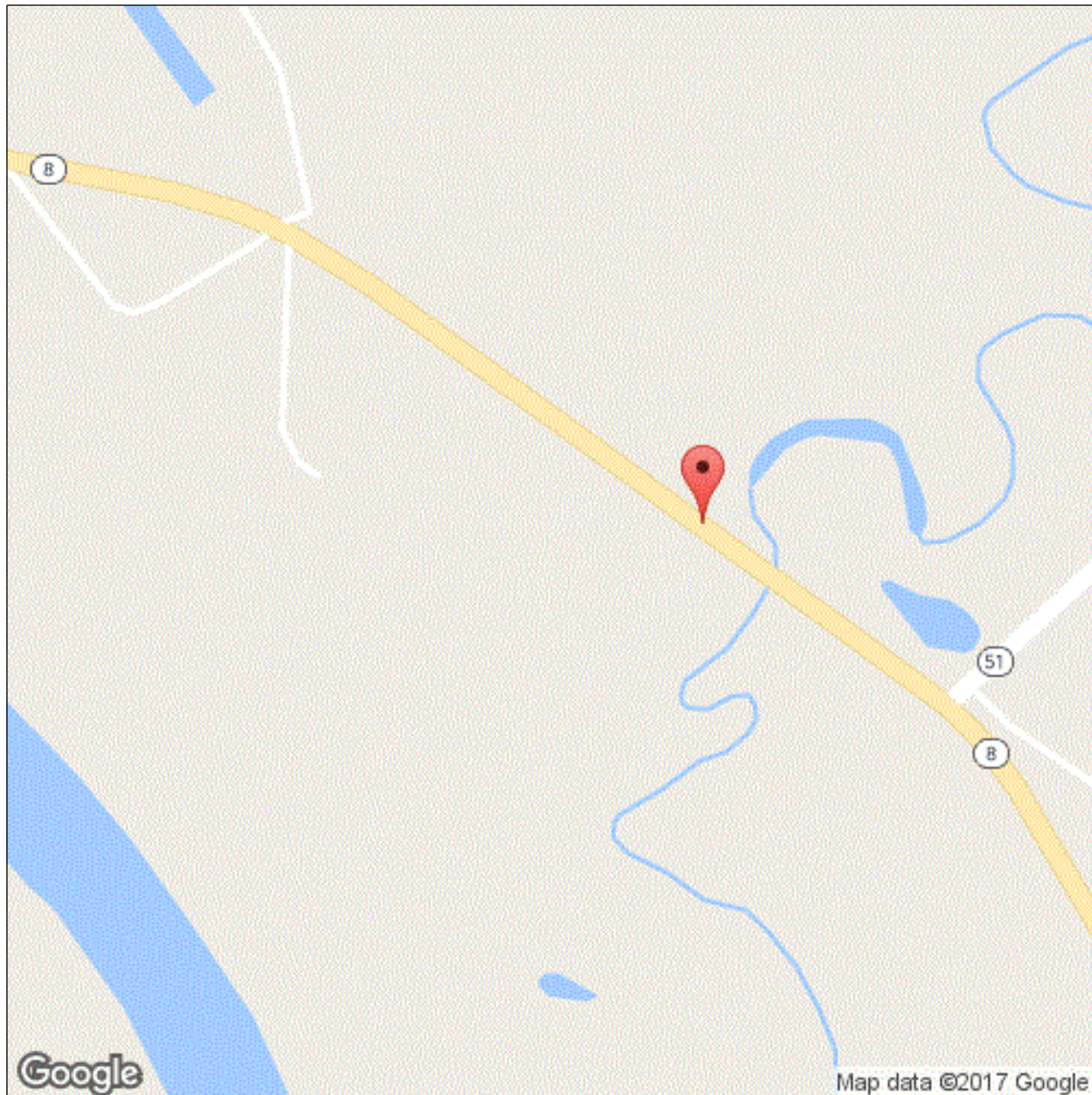
Structure Number: 06165

Inspection Date:

Facility Carried: SH 51 S-2 LM1.40

## Bridge Inspection Report

### Location Map



Latitude: 34.11709  
Longitude: -93.03112



Inspector:

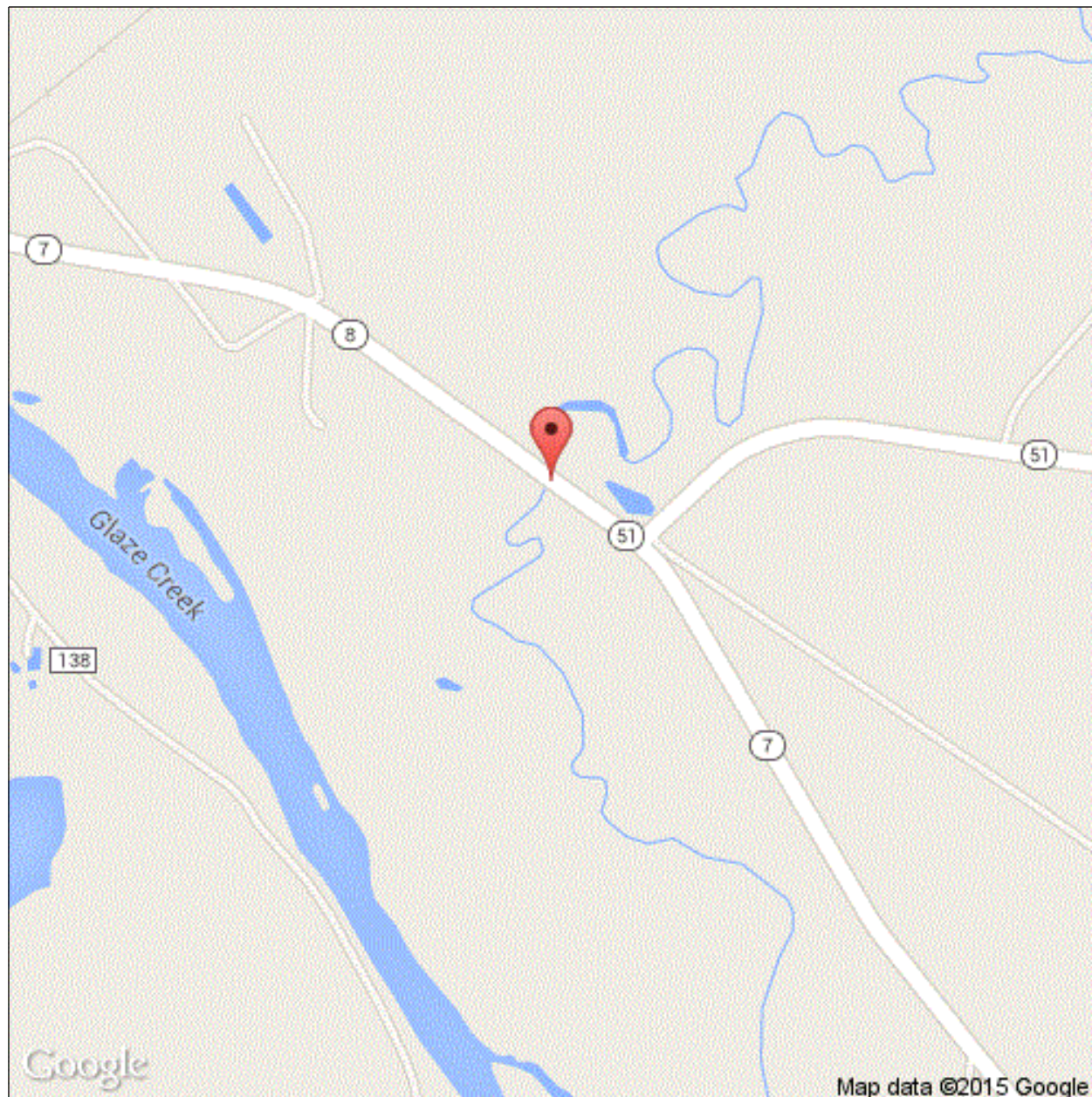
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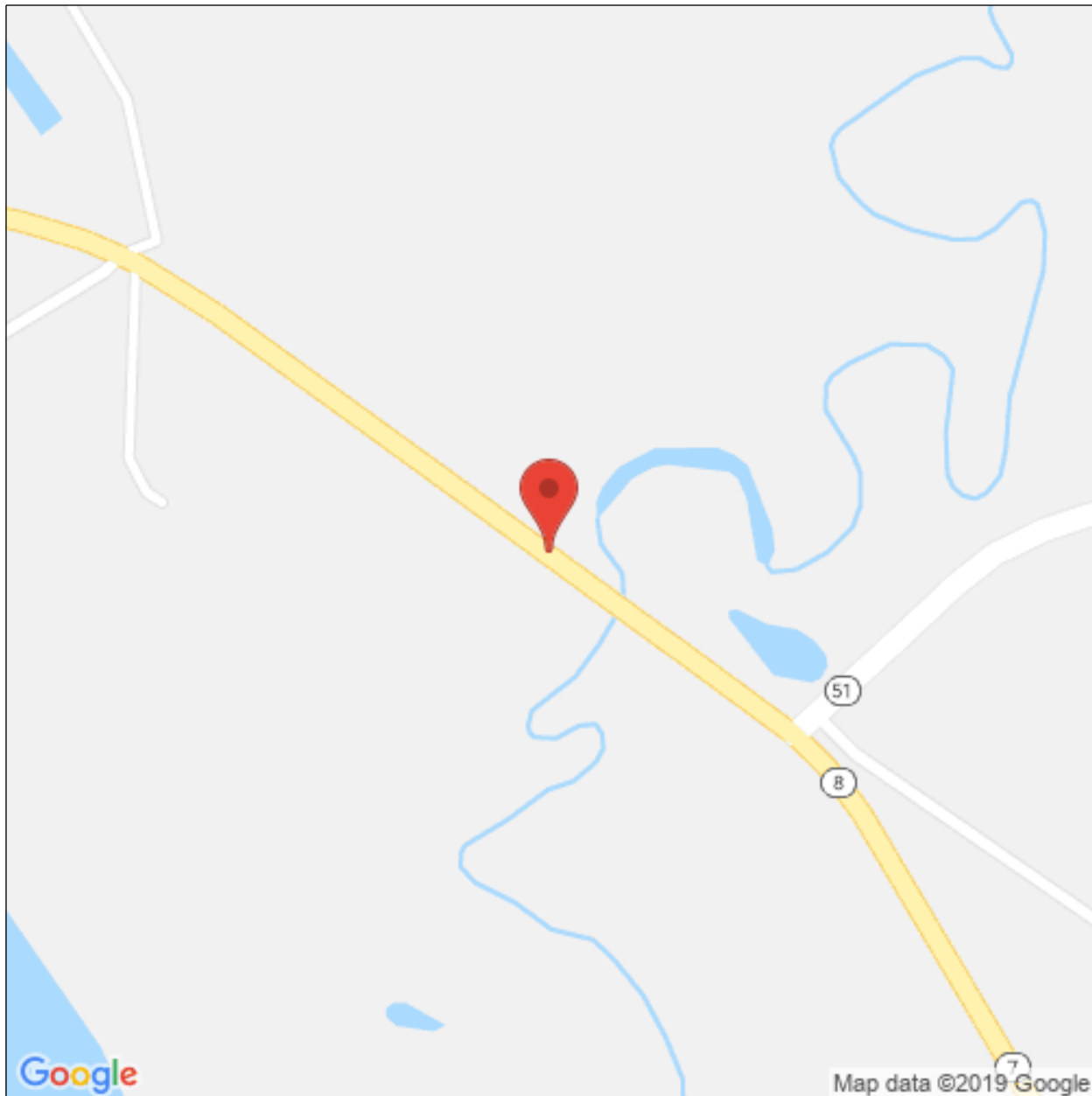
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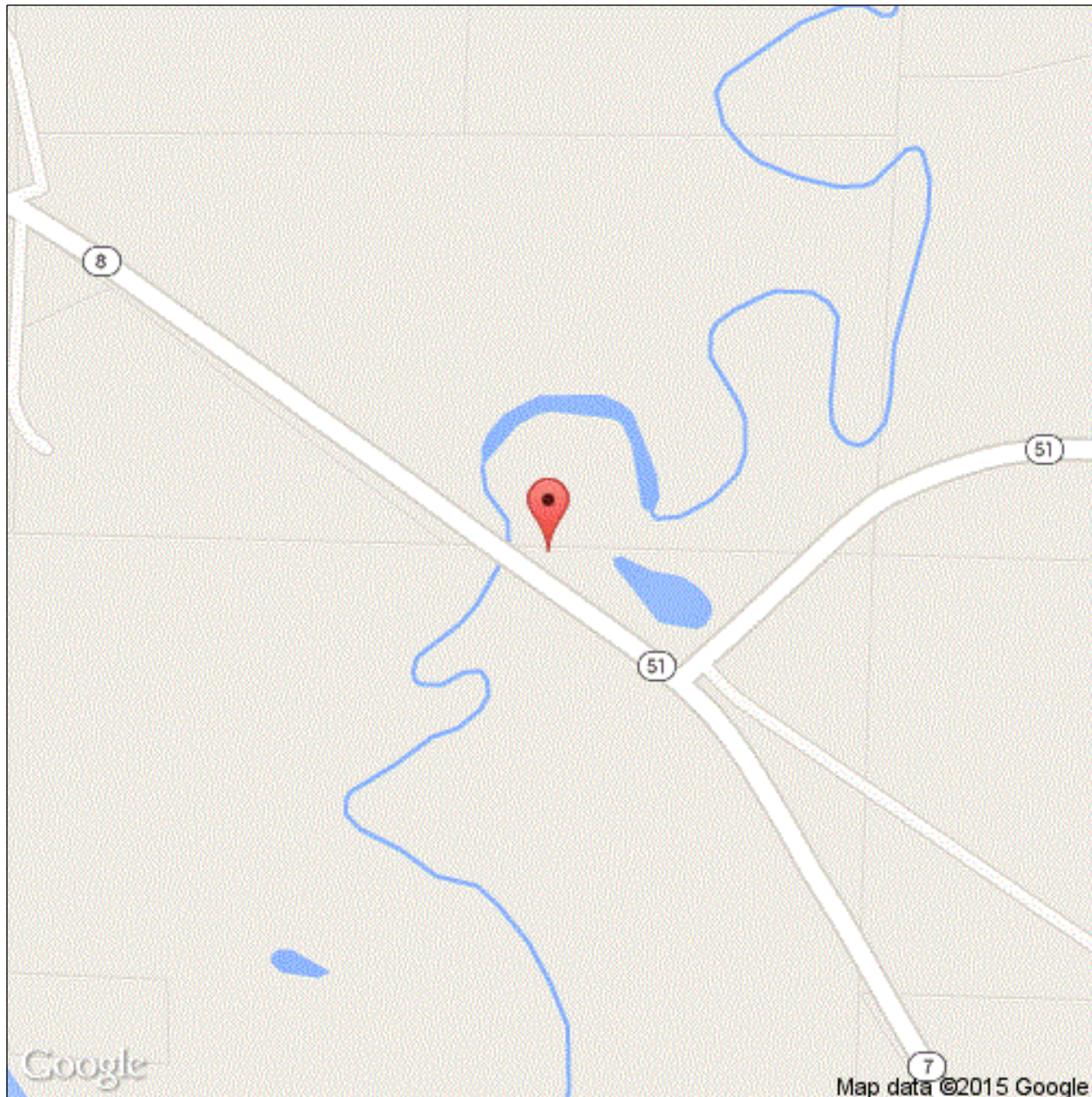
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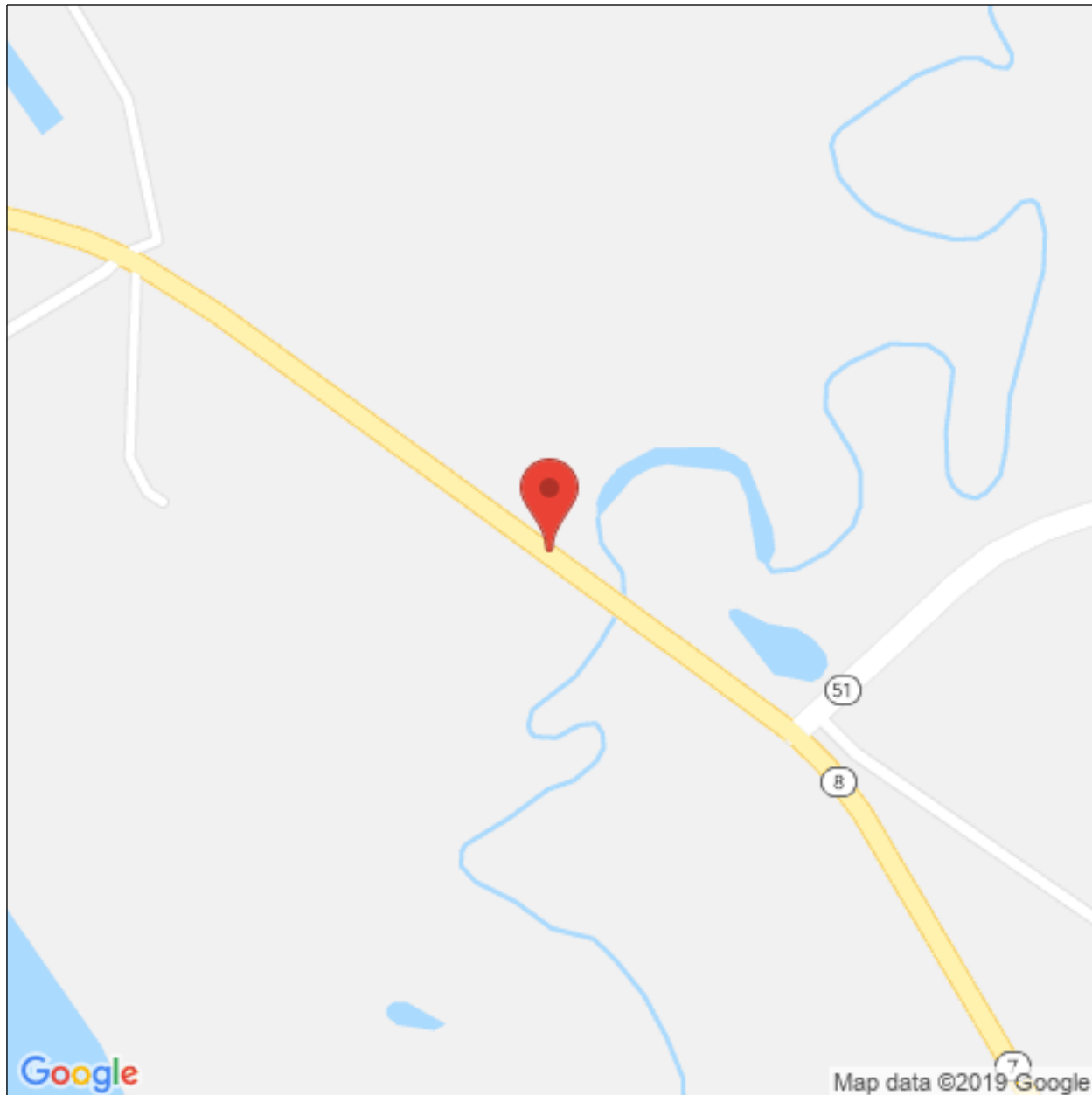
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## **Bridge Inspection Report**

### **Executive Summary**

Note inspection of 2-24-2015 bridge is logged from the Arkadelphia end.



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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/12/2019
(8) STRUCTURE NUMBER	06165	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 51 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 019	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SALINE BAYOU	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 51 S-2 LM1.40		
(9) LOCATION	0.2 MI NW JCT SH 7		
(11) MILEPOINT 1.400	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000051020 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	34.11709 (17) LONGITUDE -93.03112		
(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	9 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1993 (106) YEAR RECONSTRUCTED	(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	3100 (19) BYPASS DETOUR LENGTH	(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.)	35 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	44.9	(72) APPROACH ROADWAY ALIGNMENT	9
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.3	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	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	87.1 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.)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(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	3499 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(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	1
		(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>16 - Reinforced Concrete Top Flange</b>	1- Ben.	13545	sq. ft.	6514	7031	0	0
1120 - Efflorescence/Rust Staining		59		0	59	0	0
1130 - Cracking (RC and Other)		6972		0	6972	0	0
<b>110 - Reinforced Concrete Open Girder/Beam</b>	1- Ben.	1575	ft.	1575	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	90	ft.	90	0	0	0
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	35	each	35	0	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	280	ft.	280	0	0	0
<b>301 - Pourable Joint Seal</b>	1- Ben.	344	ft.	0	344	0	0
2310 - Leakage		172		0	172	0	0
2320 - Seal Adhesion		172		0	172	0	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	630	ft.	630	0	0	0

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**Bridge Inspection Report**

**Pictures**

PHOTO 2

Description



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**Bridge Inspection Report**

**Sketches**

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 3/21/2011 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Scour/erosion

Slope erosion @ abutment 2 (bent 10) with a large eroded area extending to bent 9, piles 1,2,3 .

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 3/21/2013 12:00:00 AM

Priority: D - Routine

Work Code:

---

### Deficiency Description:

Joint material all bents is worn and tattered. 03/22/2017 Bent 6 joint material is beginning to loose contact with the concrete, this is typical of all joints.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Bent 6 joint material is beginning to loose contact with the concrete, this is typical of all joints.



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#### Maintenance Needs

Date Reported: 03/22/2017

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

There is vegetation growing up beside the bridge in several places.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Vegetation growing up beside the bridge.

Stage: Open



PHOTO 2      Description      Vegetation growing up beside the bridge.

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### Maintenance Needs

Stage: Open



PHOTO 3      Description      Bent 5 looking back, minor vegetation growing under & up beside the bridge.