

# Bridge Inspection Report

**M0285**  
**SH 9/Fulton County**  
**over**  
**CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**







Inspector:

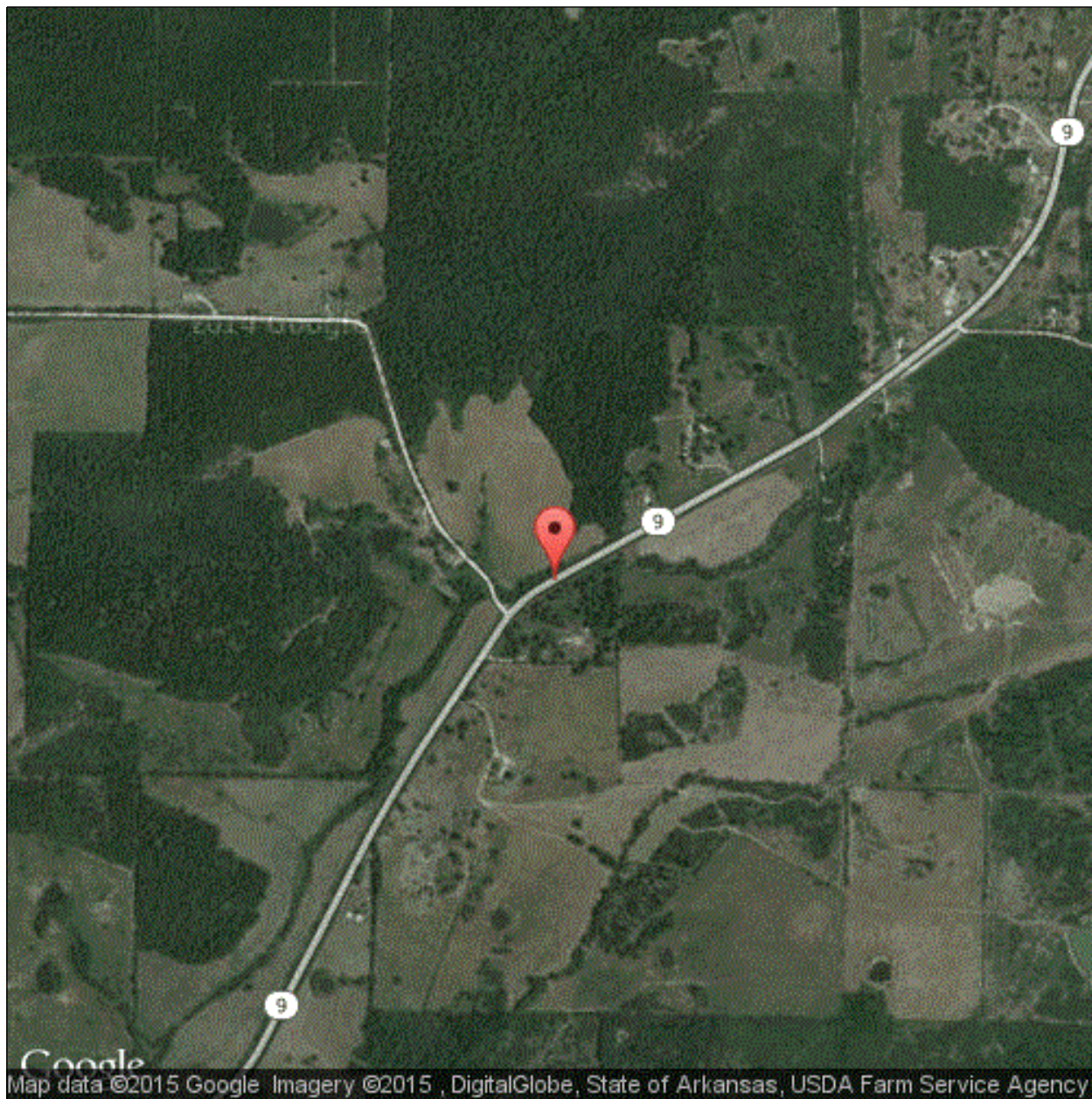
Structure Number: M0285

Inspection Date:

Facility Carried: SH 9/Fulton County

# Bridge Inspection Report

## Location Map



Latitude: 36.288647

Longitude: -91.893524

Log  
Mile

34.0'

9.3'

8.0'

5.5'

Abut. #1

Abut. #2

24.5'

B

B

A

B

C

D

E

F

G

H

I

J

K

A

2.0'

B

1.75'

C

2.25'

D

2.3'

E

2.27'

F

2.31'

G

2.25'

H

2.29'

I

2.25'

J

1.66'

K

2.03'

#### GIRDER LENGTH

Beam #1 & #12 - 37' long  
Beam #2 & #11 - 35' long  
Beam #3 - #10 are 34' long

7.0'

2.5'

1.0'

5 1/2"

5/8"

15"

Log Mile

Flow

### BRIDGE INSPECTION REPORT FORM IIIB

Insp. WRR/KBM

Date 9/11/2009

Dist. 5 Co. 25 / Fulton Rt. 9 Sec. # Log 2.94 Br. M0285

Inspector:

Inspection Date:

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## Bridge Inspection Report

### Executive Summary

Log Mile running to the Northeast.

Inspector:

Structure Number: M0285

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/11/2017
(8) STRUCTURE NUMBER	M0285	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 9 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 049	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 9/Fulton County		
(9) LOCATION	2.94 MI NE OF IZARD CO LI		
(11) MILEPOINT 2.939	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000009140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.288647	(17) LONGITUDE -91.893524		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE 6	(60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION 5	(62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 1	(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 1926	(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	33.0
(29) AVERAGE DAILY TRAFFIC 1200	(19) BYPASS DETOUR LENGTH 10	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	20.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	2
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 34	(49) STRUCTURE LENGTH (ft.) 34	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 24.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 25.7		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 22.0		(72) APPROACH ROADWAY ALIGNMENT	7
(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 25.3		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 59.9
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 35	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 34.0		(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	43	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 1362	(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	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
12 - Reinforced Concrete Deck	1- Ben.	874	sq. ft.	765	40	69	0
	Left outside edge of deck spalled with 8" of exposed rebar. Right & Left outside edges of deck have severe efflorescent cracking. Efflorescent cracks to soffit at construction joints where widened. 11' of severe spalls to outside edge of deck on Left side.						
1080 - Delamination/Spall/Patched Area		11				11	
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		96			40	56	
510 - Wearing Surfaces		816	sq. ft.	756	60	0	0
3220 - Crack (Wearing Surface)		60			60		
107 - Steel Open Girder/Beam	1- Ben.	416	ft.	266	140	10	0
	Girders 1,2, 11 & 12 have heavy rust to bottom flange. Girders 3 & 10 have heavy rust & some section loss for entire girder. Girder 11 has 1' of severe section loss with holes in bottom flange at end of span.						
1000 - Corrosion		150			140	10	
515 - Steel Protective Coating		1581	sq. ft.	581	0	500	500
3440 - Effectiveness (Steel Protective Coatings)		1000				500	500
215 - Reinforced Concrete Abutment	1- Ben.	79	ft.	76	3	0	0
	Channel has Realigned to Abutment 1 with scour developing. 3 FH vertical cracks to Abutments 1 & 2.						
1130 - Cracking (RC and Other)		3			3		
220 - Reinforced Concrete Pile Cap/Footing	1- Ben.	20	ft.	0	20	0	0
	Footing exposed @ Abutment 1.						
6000 - Scour		20			20		
330 - Metal Bridge Railing	1- Ben.	68	ft.	68			
515 - Steel Protective Coating		204	sq. ft.	204			



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 09/08/2015

Priority: D - Routine

Work Code: Repair

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#### Deficiency Description:

Right outside edge of deck has heavy efflorescent cracking, spalling and exposed rebar.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Right outside edge of deck spalled with 4" of exposed rebar.

Stage: Open



PHOTO 2      Description      Right edge of deck.



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 09/13/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Vegetation on Left & Right side of bridge.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Vegetation on Left side of bridge.

Stage: Open



PHOTO 2 Description Vegetation on Right side of bridge.

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Date Reported: 09/13/2016

Priority: D - Routine

Work Code: Repair

---

#### Deficiency Description:

Channel has Realigned to Abutment 1 with scour developing.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      Footing @ Abutment 1 is exposed.

Stage: Assigned



PHOTO 2      Description      Channel has realigned to Abutment 1 with scour developing.



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#### Deficiency Description:

Girder 11 at end of span has heavy section loss to bottom flange at bearing with holes in flange.

Girders 3 & 10 have rust & moderate section loss through out.

Girders 1, 2, 11 & 12 have rust & minor section loss through out.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      Bottom flange of Girder 11 at end of Span.

Stage: Assigned



PHOTO 2      Description      Girder 10