

# Bridge Inspection Report

**05849**

**SH 9/Fulton County  
over  
STRAWBERRY RIVER**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

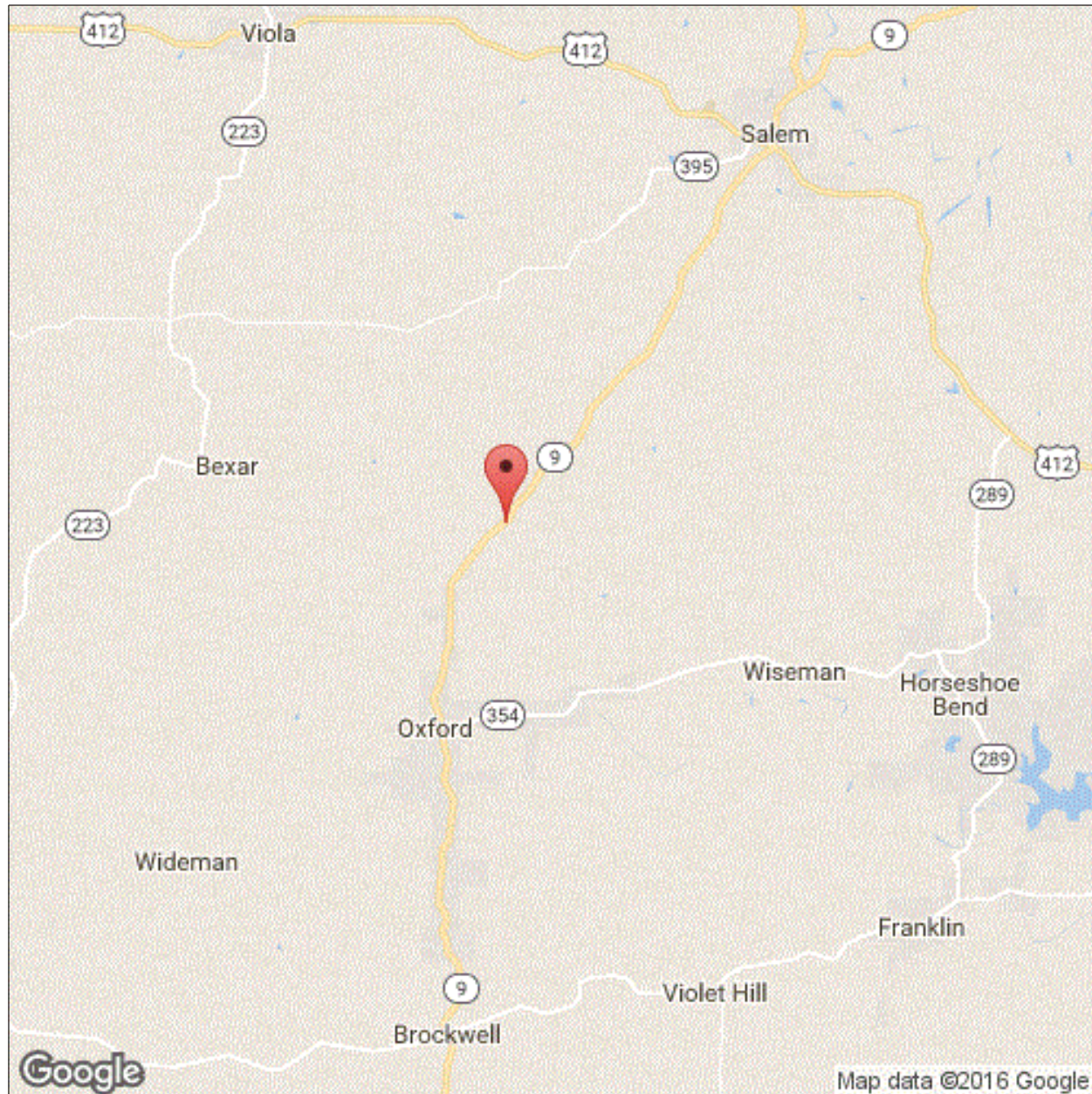
Structure Number: 05849

Inspection Date:

Facility Carried: SH 9/Fulton County

### Bridge Inspection Report

### Location Map



Latitude: 36.272722555959234

Longitude: -91.90777011656758



Inspector:

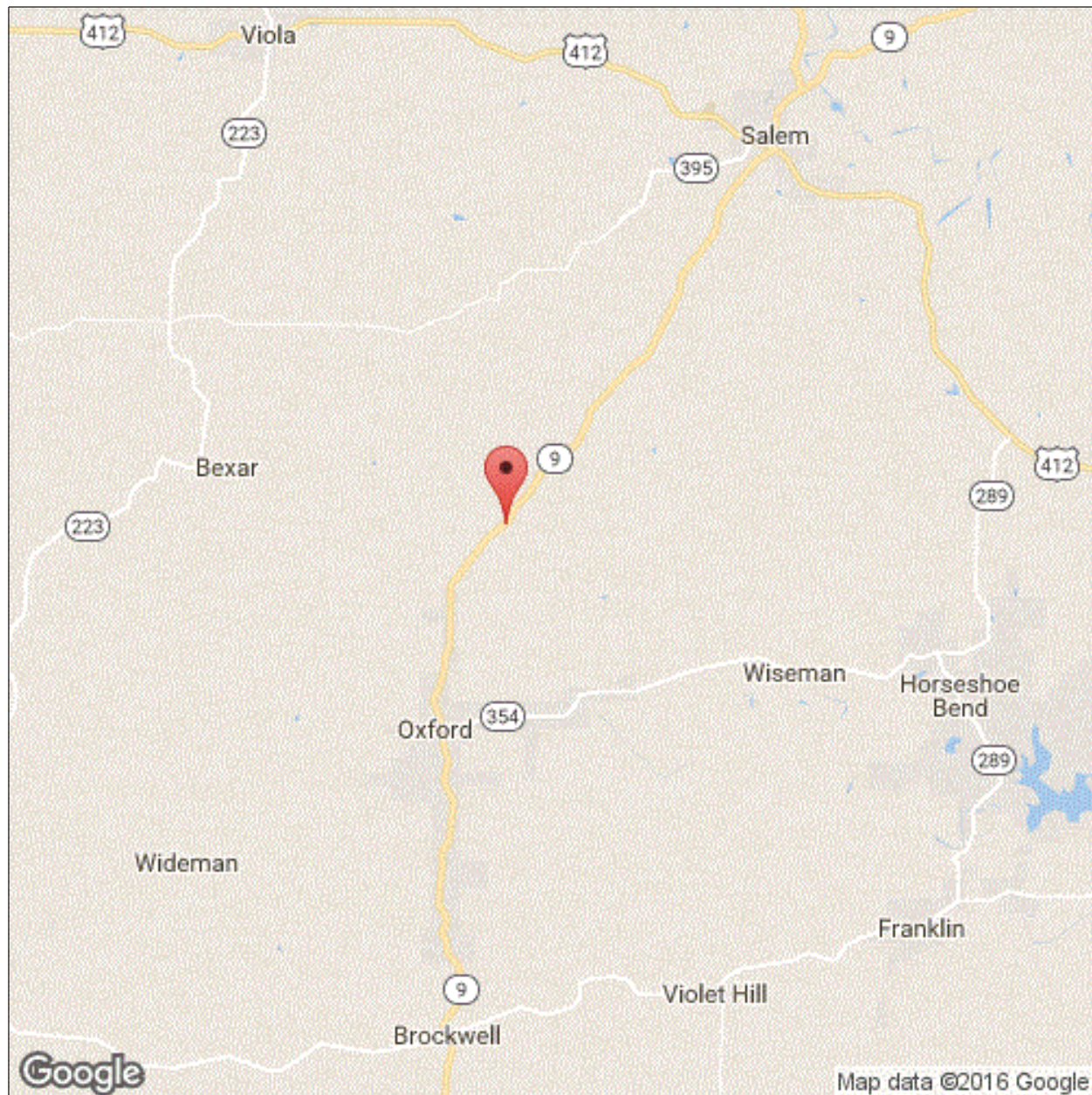
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Latitude: 36.272722555959234

Longitude: -91.90777011656758

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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	12/05/2016
(8) STRUCTURE NUMBER	05849	(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	STRAWBERRY RIVER	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 9/Fulton County		
(9) LOCATION	8.6 SW JCT US 62	CONDITION	
(11) MILEPOINT 1.510	(12) BASE HIGHWAY NETWORK 1	(58) DECK	7
(13A) LRS INVENTORY ROUTE	0000009140 (13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 8
(16) LATITUDE 36.272722555959234	(17) LONGITUDE -91.90777011656758	(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
		LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	7
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	5
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
		(72) APPROACH ROADWAY ALIGNMENT	7
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1980 (106) YEAR RECONSTRUCTED	36A) BRIDGE RAILINGS:	1
(42) TYPE OF SERVICE	ON 1 UNDER 5	36B) TRANSITIONS:	1
(28) LANES	ON 02 UNDER 00	36C) APPROACH GUARDRAIL:	1
(29) AVERAGE DAILY TRAFFIC	1200 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	5
(109) AVERAGE DAILY TRUCK TRAFFIC	1	SUFFICIENCY RATING	0 STATUS 89.2
GEOMETRIC DATA		CLASSIFICATION	
(48) LENGTH OF MAX SPAN (ft.)	80 (49) STRUCTURE LENGTH (ft.)	(112) NBIS BRIDGE LENGTH	Y
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(100) STRAHNET HIGHWAY DESIGNATION	0
(32) APPROACH ROADWAY WIDTH (ft.)	34.1	(101) PARALLEL STRUCTURE DESIGNATION	N
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(102) DIRECTION OF TRAFFIC	2
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(103) TEMP STRUCTURE	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.5	(105) FEDERAL LANDS HIGHWAYS	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(110) DESIGNATED NATIONAL NETWORK	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(20) TOLL	3
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(21) MAINTENANCE RESPONSIBILITY	01
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(22) OWNER	01
PROPOSED IMPROVEMENTS		(37) HISTORICAL	5
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	NAVIGATION DATA	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(38) NAVIGATION CONTROL	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(95) ROADWAY IMPROVEMENT COST (\$)	0	(39) NAV VERT CLEARANCE (ft.)	0
(96) TOTAL PROJECT COST	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE			

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(114) FUTURE ADT 1362

(115) YEAR OF FUTURE ADT 2028

(40) NAV HORIZONTAL CLEARANCE (ft.) 0

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## Bridge Inspection Report

## 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.	7938	sq. ft.	7528	360	50	0
	Light efflorescent cracking to Left & Right overhangs. Unsealed transverse cracking to deck @ all spans.						
1120 - Efflorescence/Rust Staining		60			60		
1130 - Cracking (RC and Other)		350			300	50	
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	960	ft.	959	0	1	0
	Diaphragm @ Right side of Girder 3 @ Abutment 1 has 1 bolt missing.						
1020 - Connection		1				1	
515 - Steel Protective Coating		8640	sq. ft.	8640			
<b>205 - Reinforced Concrete Column</b>	1- Ben.	8	each	8			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	80	ft.	80			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	60	ft.	60			
<b>302 - Compression Joint Seal</b>	1- Ben.	131	ft.	0	123	8	0
	Compression joint seal is losing adhesion and leaks @ all joints.						
2320 - Seal Adhesion		131			123	8	
<b>310 - Elastomeric Bearing</b>	1- Ben.	16	each	8	8	0	0
	Minor rust to sole plates.						
1000 - Corrosion		8			8		
515 - Steel Protective Coating		32	sq. ft.	16	0	16	0
3440 - Effectiveness (Steel Protective Coatings)		16				16	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	480	ft.	450	30	0	0
	Minor vertical cracking to Left & Right parapets.						
1130 - Cracking (RC and Other)		30			30		



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### Pictures



No overlay on the bridge





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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 12/05/2016

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Deck at all spans

Minor transverse unsealed cracks

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      Transverse cracking to deck @ Span 3. Right lane.

Stage: Assigned



PHOTO 2      Description      Transverse cracking to deck @ Span 2. Left lane.

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### Maintenance Needs

Date Reported: 12/05/2016

Priority: D - Routine

Work Code: N/A

---

#### Deficiency Description:

Diaphragm @ Right side of Girder 3 @ Abutment 1 has 1 bolt missing.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Diaphragm @ Right side of Girder 3 @  
Abutment 1 has 1 bolt missing.