

# Bridge Inspection Report

**A1532**

**US 62/Fulton Co.**

**over**

**SOUTH FORK TOWN CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

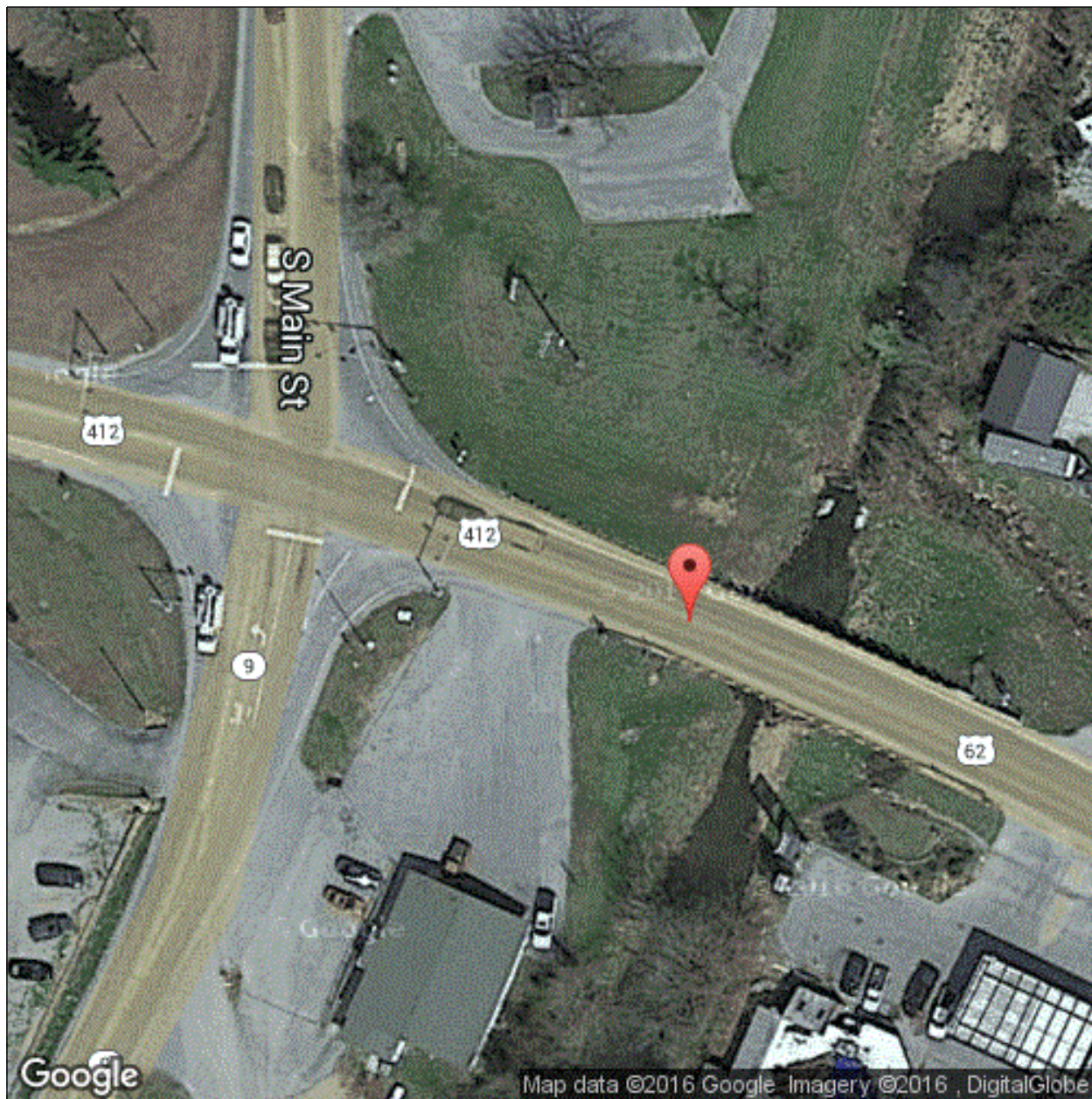
Inspection Date:

Structure Number: A1532

Facility Carried: US 62/Fulton Co.

## Bridge Inspection Report

### Location Map



Latitude: 36.367599

Longitude: -91.822250



Inspector:

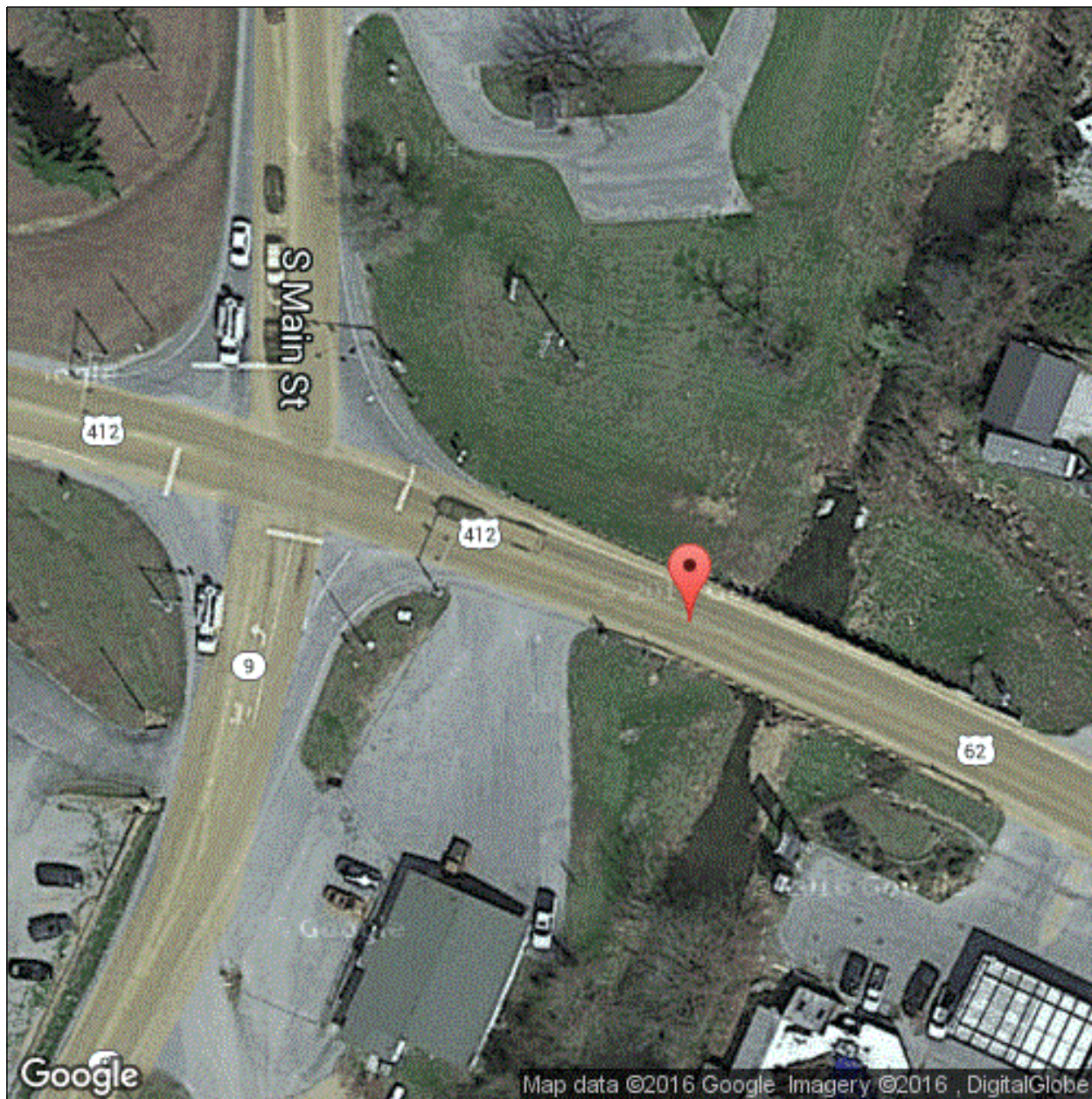
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## Bridge Inspection Report

### Location Map



Latitude: 36.367599

Longitude: -91.822250

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## **Bridge Inspection Report**

### **Executive Summary**

Log Mile running East.

Job Number: 5417

Inspector:

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/05/2018
(8) STRUCTURE NUMBER	A1532	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 62 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 049	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	59780	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SOUTH FORK TOWN CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 62/Fulton Co.		
(9) LOCATION	0.03 MI E JCT SH 9 & 62		
(11) MILEPOINT 0.030	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000062130 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.367599	(17) LONGITUDE -91.822250		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 5
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	7 (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 4	(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 1955	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	4
(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	45.0
(29) AVERAGE DAILY TRAFFIC 6200	(19) BYPASS DETOUR LENGTH 24	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	27.0
(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.) 25	(49) STRUCTURE LENGTH (ft.) 100	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 25.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 29.7		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 29.9		(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.) 28.9		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	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	47.8 STATUS 2
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 127.0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	400	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	944	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 7429	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(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>38 - Reinforced Concrete Slab</b>	1- Ben.	2970	sq. ft.	2591	113	266	0
	Minor to moderate scaling to Left curb. Minor cracks in A/C overlay. Spall with 12' corroded rebar exposed to 1st drain on Right side @ Span 1. Minor efflorescent cracking to Spans 1, 2 & 3. Spall w/ 1' rebar exposed to deck below @ Span 2. Spall w/ 5' rebar exposed to deck below @ Span 3. Heavy efflorescent cracking to Span 4 Right side.						
1090 - Exposed Rebar		24		0	8	16	0
1120 - Efflorescence/Rust Staining		305		0	55	250	0
1190 - Abrasion/Wear (PSC/RC)		50		0	50	0	0
510 - Wearing Surfaces		2600	sq. ft.	2540	60	0	0
3220 - Crack (Wearing Surface)		60		0	60	0	0
<b>205 - Reinforced Concrete Column</b>	1- Ben.	6	each	3	0	3	0
	Vertical cracks to Right column @ Bent 1. Moderate cracking with heavy efflorescence to Right column @ Bent 3.						
1120 - Efflorescence/Rust Staining		1		0	0	1	0
1130 - Cracking (RC and Other)		1		0	0	1	0
1190 - Abrasion/Wear (PSC/RC)		1		0	0	1	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	150	ft.	64	51	35	0
	6 Spalls to cap w/ 3' rebar exposed & moderate efflorescent cracking to Left & Right ends of Cap @ Bent 1. Cap @ Bent 1 has a large delaminated area to bottom cap near centerline. Moderate efflorescent cracking to Left & Right ends of Cap @ Bent 2 with deep spall to Right end(no exposed rebar). Moderate cracking with heavy efflorescence to Cap @ Bent 3. Heavy spalling, cracking & deterioration to left end of Cap @ Bent 3. Right side of Abutment 2 map cracking. Caps at all Bents have heavy scaling.						
1080 - Delamination/Spall/Patched Area		12		0	0	12	0
1090 - Exposed Rebar		7		0	0	7	0
1120 - Efflorescence/Rust Staining		57		0	51	6	0
1130 - Cracking (RC and Other)		10		0	0	10	0
<b>330 - Metal Bridge Railing</b>	1- Ben.	200	ft.	150	50	0	0
	Paint is peeling with large areas of primer exposed. Minor rust through-out.						
1000 - Corrosion		50		0	50	0	0
515 - Steel Protective Coating		600	sq. ft.	0	450	0	150
3440 - Effectiveness (Steel Protective Coatings)		600		0	450	0	150

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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 1

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: 06/20/2016

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Bents 1 & 3

Right Columns have vertical cracks and efflorescent map cracking.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1      Description      Vertical cracks to Right column @ Bent 1.

Stage: Assigned



PHOTO 2      Description      Efflorescent cracking to Right column @ Bent 3.

Inspector:

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Facility Carried: US 62/Fulton Co.

## Bridge Inspection Report

### Maintenance Needs

Date Reported: 06/20/2016

Priority: D - Routine

Work Code: N/A

---

#### Deficiency Description:

Soffit @ Spans 1, 2 & 3  
Spalls with exposed rebar.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Spalls with rebar exposed to soffit @  
Right side of Span 1.



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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 06/05/2018

Priority: C - Important

Work Code: N/A

---

#### Deficiency Description:

Caps @ Bents 1, 2 & 3

All have efflorescent cracking & heavy scaling & deterioration.

Cap @ Bent 1 has spalls with 3' of exposed rebar and large delaminated area at bottom on back side.

Cap @ Bent 2 has spalls & deterioration to Lt. & Rt. ends.

Cap @ Bent 3 has spalls & deterioration to Lt. & Rt. ends.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Assigned



PHOTO 1      Description      Large delaminated area to bottom of cap @ Bent 1.

Stage: Assigned



PHOTO 2      Description      Exposed rebar to backside of cap @ Bent 1.(section loss is present)

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### Maintenance Needs

Stage: Assigned



PHOTO 3      Description      Deep spall to Left end of Cap @ Bent 3.

Stage: Assigned



PHOTO 4      Description      Efflorescent cracking to ahead side of Cap @ Bent 3.