

Bridge Inspection Report

06599
US 70 Fourche
over
FOURCHE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

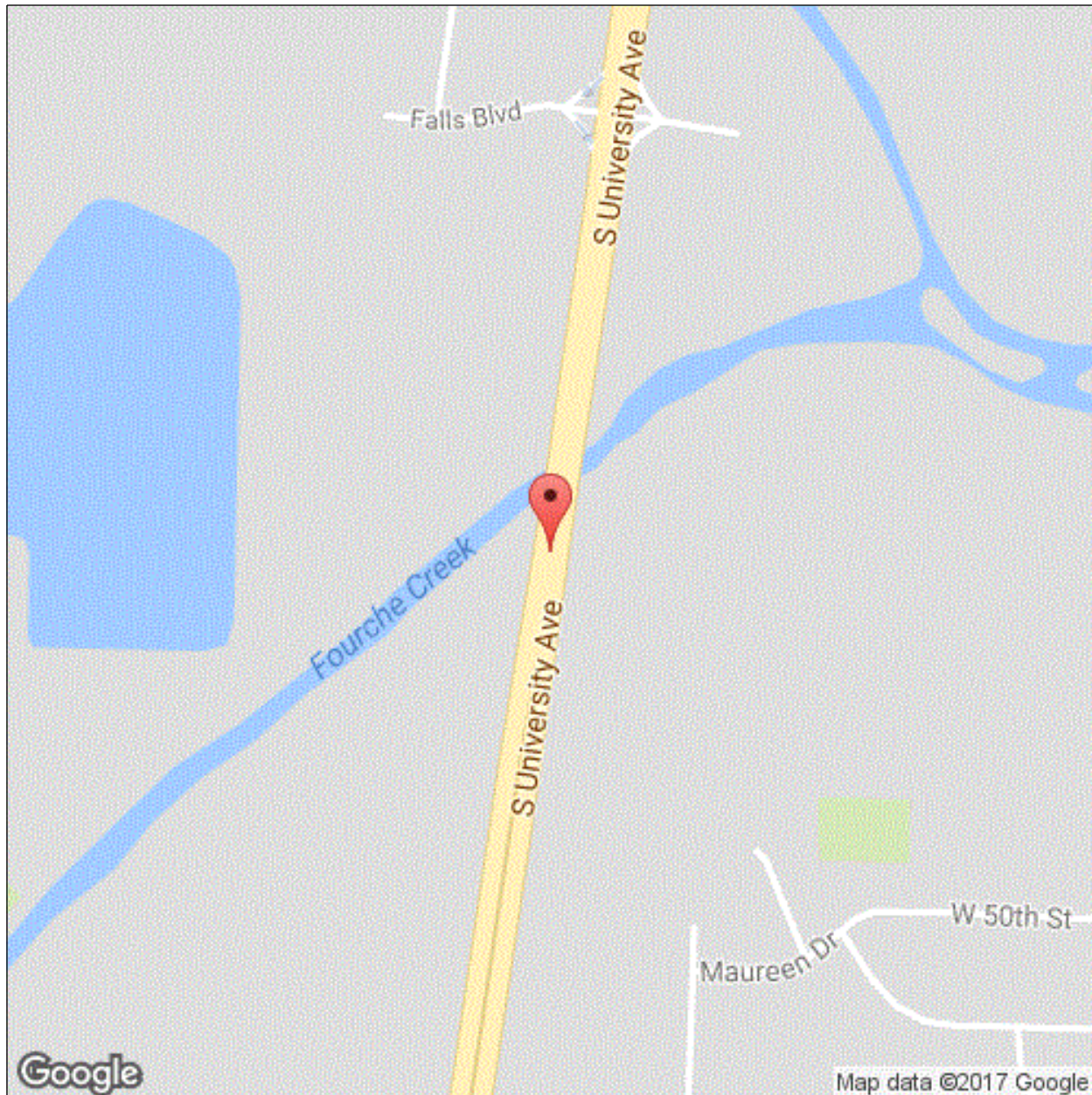
Structure Number: 06599

Inspection Date:

Facility Carried: US 70 Fourche

Bridge Inspection Report

Location Map



Latitude: 34.70718

Longitude: -92.34410

Inspector:

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Latitude: 34.70718

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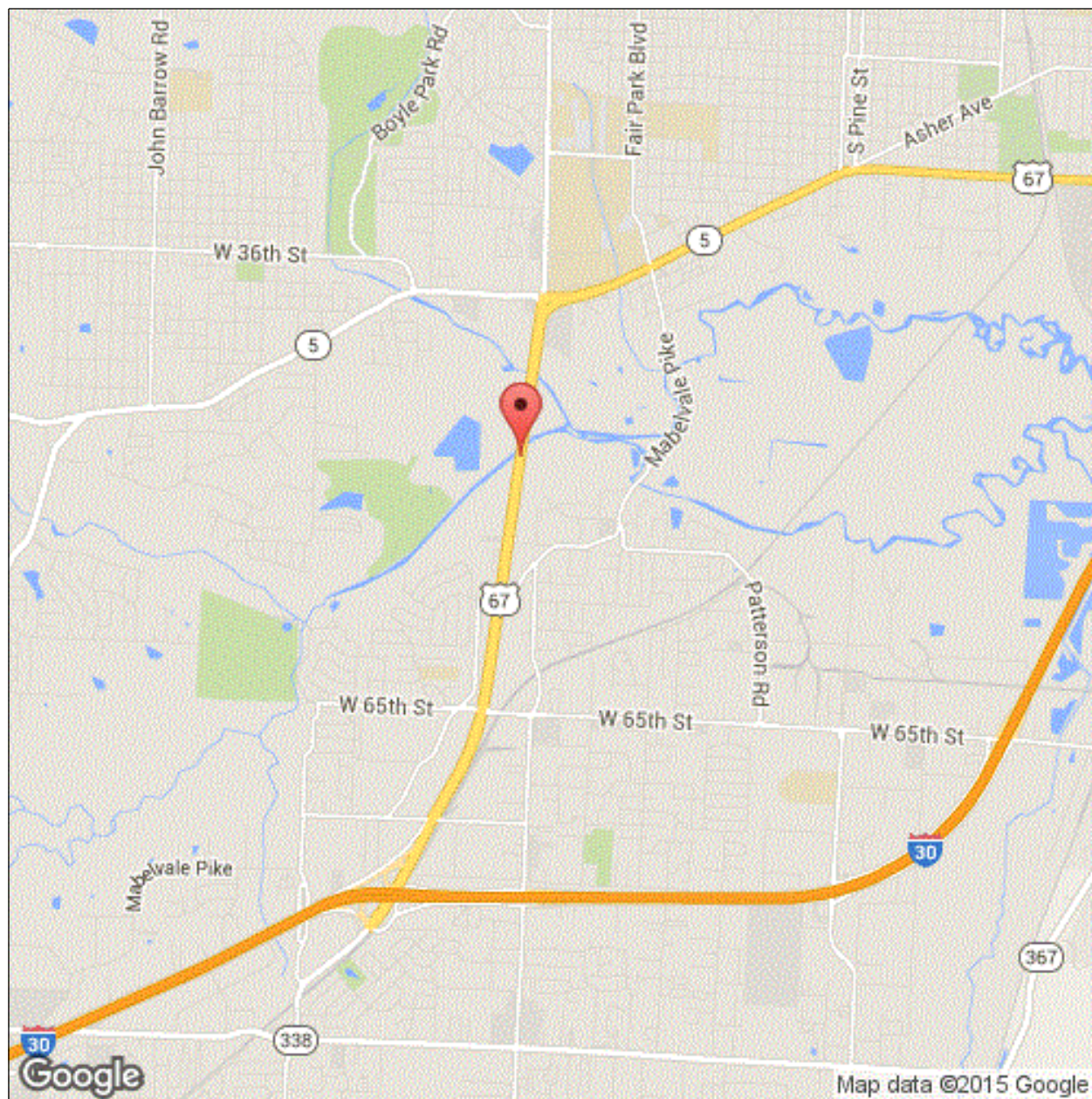
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Executive Summary

Logged east bound

Underwater taken by probing with range pole, low water condition.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/02/2019
(8) STRUCTURE NUMBER	06599	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 70 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 119	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	39020	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	FOURCHE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 70 Fourche		
(9) LOCATION	UNIVERSITY AVE		
(11) MILEPOINT 2.230	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000070120 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.70718	(17) LONGITUDE -92.34410		
(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: 4 - Steel continuous		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	7
(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 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 0		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2000	(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 04 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 43000	(19) BYPASS DETOUR LENGTH 1	(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 7		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 45	(49) STRUCTURE LENGTH (ft.) 408	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	9
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 94		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 110.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 106.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 2	(34) SKEW (DEG.) 45	(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.) 47		36B) TRANSITIONS:	0
(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	90.7
		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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(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	0000	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 51847	(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.	44886	sq. ft.	43766	1120	0	0
Scattered cracks in all spans up to .030"							
1130 - Cracking (RC and Other)		1120		0	1120	0	0
107 - Steel Open Girder/Beam	1- Ben.	5670	ft.	5670	0	0	0
515 - Steel Protective Coating		34870	sq. ft.	0	34870	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		34870		0	34870	0	0
205 - Reinforced Concrete Column	1- Ben.	48	each	39	9	0	0
Bent 2, columns 1, 2,&4 Vertical cracks .025" Bent 3 columns 2, 3, 4 & 6 Vertical cracks. Max .025" Bent 4, columns 1, 3 and 4. Vertical cracks, column 1 has small crack with efflorescence. Bent 5 columns 3 and 4. Max .025"							
1120 - Efflorescence/Rust Staining		1		0	1	0	0
1130 - Cracking (RC and Other)		8		0	8	0	0
215 - Reinforced Concrete Abutment	1- Ben.	349	ft.	299	52	0	0
Scattered cracks in both abutments. Most with efflorescence. Bent 1 small spalls							
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1120 - Efflorescence/Rust Staining		48		0	48	0	0
1130 - Cracking (RC and Other)		1		0	1	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	1104	ft.	1104	0	0	0
301 - Pourable Joint Seal	1- Ben.	314	ft.	314	146	0	0
Internal bents Glue along closed cell joint has lost its bond and is leaking.							
2310 - Leakage		146		0	146	0	0
302 - Compression Joint Seal	1- Ben.	314	ft.	314	0	0	0
310 - Elastomeric Bearing	1- Ben.	168	each	168	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	810	ft.	765	45	0	0
1130 - Cracking (RC and Other)		45		0	45	0	0

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Pictures

PHOTO 1

Description

PHOTO 1

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Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 3

Description

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Bridge Inspection Report

Pictures

PHOTO 4

Description

PHOTO 5

Description

Inspector:

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Bridge Inspection Report

Pictures

PHOTO 6

Description

PHOTO 7

Description

Inspector:

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Bridge Inspection Report

Pictures

PHOTO 8

Description

Inspector:

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Bridge Inspection Report

Sketches

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Maintenance Needs

Date Reported: 1/25/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Internal bents

Glue along closed cell joint has lost its bond and is leaking.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Glue along closed cell joint has lost its bond and is leaking.