

Bridge Inspection Report

B5901
SH 7NB S-3 LM 9.72
over
MILL CREEK-UPRR



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

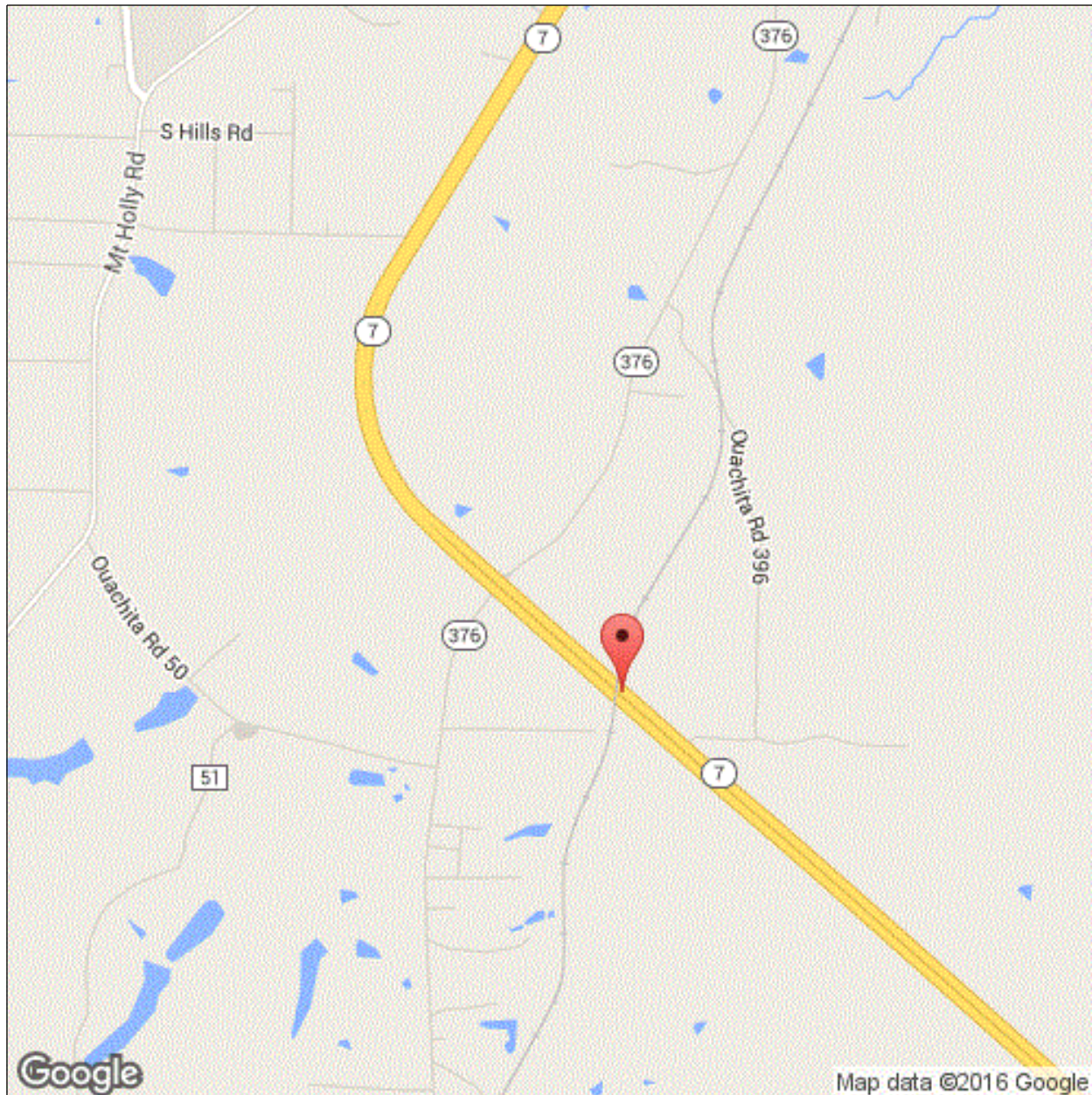
Structure Number: B5901

Inspection Date:

Facility Carried: SH 7NB S-3 LM 9.72

Bridge Inspection Report

Location Map



Latitude: 33.50018

Longitude: -92.83142

Inspector:

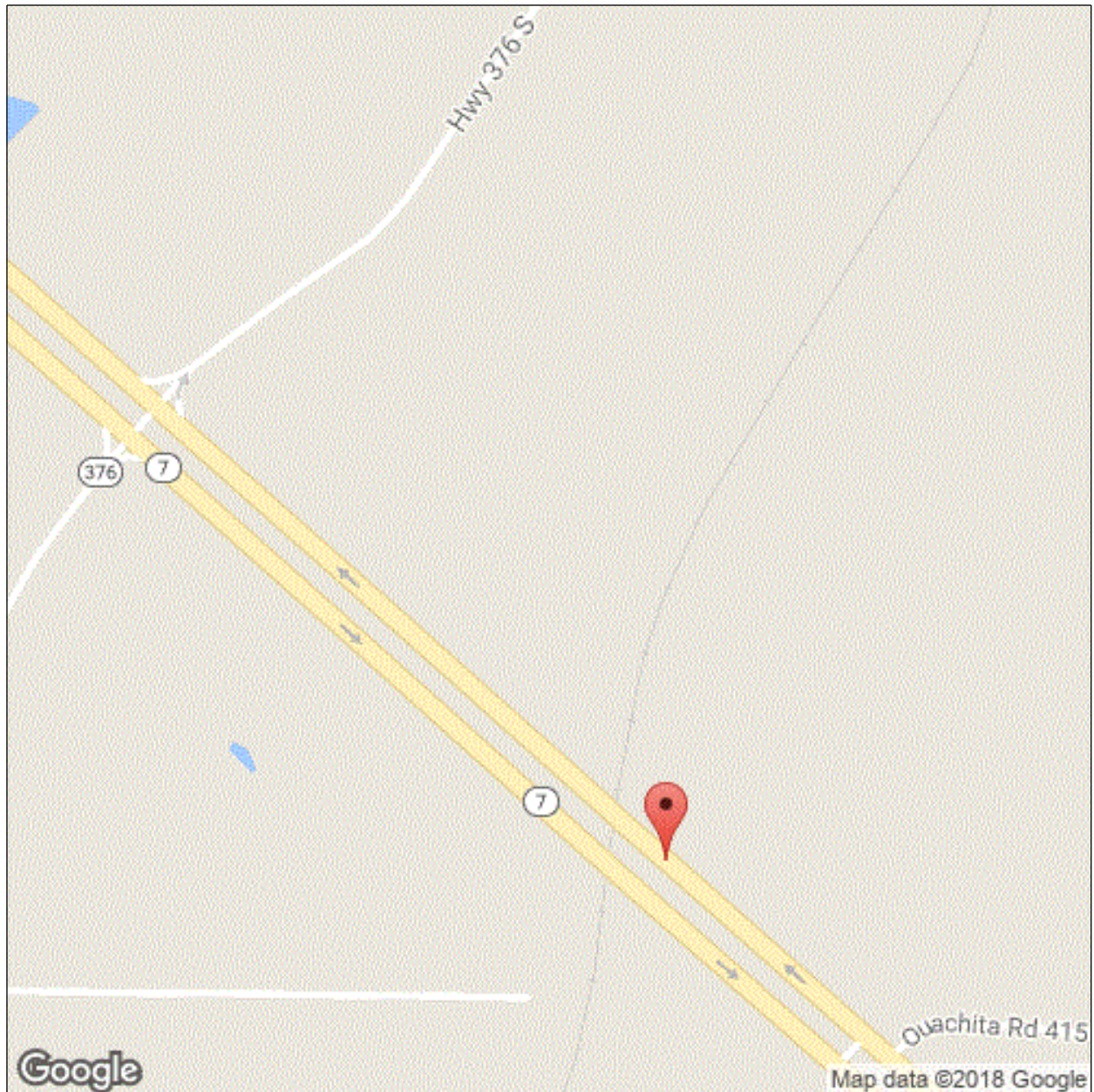
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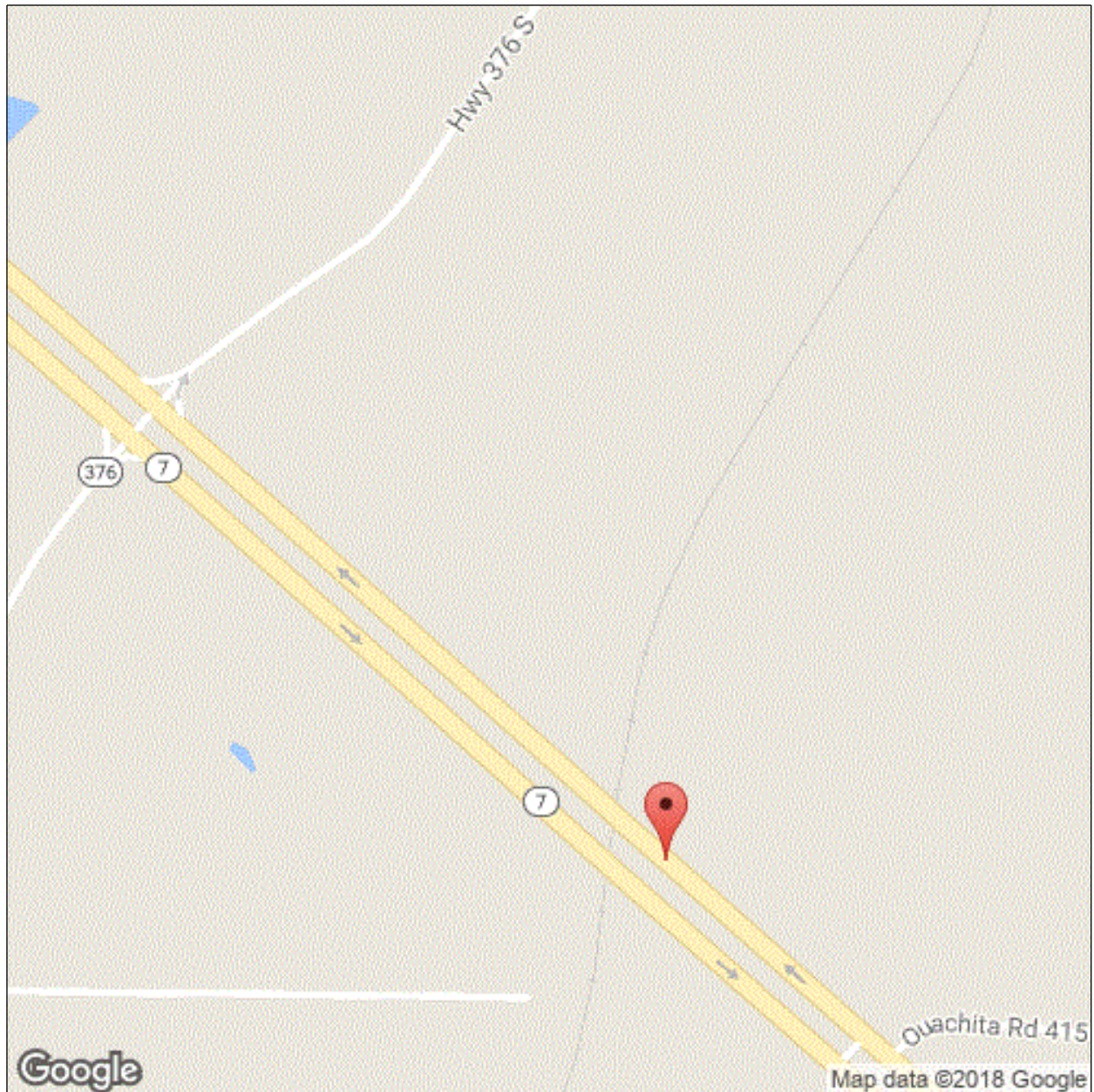
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Executive Summary

This structure is logged from South to North.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/20/2018
(8) STRUCTURE NUMBER	B5901	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 7 1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 103	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	MILL CREEK-UPRR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 7NB S-3 LM 9.72		
(9) LOCATION	.3 MI S JCT SH 376		
(11) MILEPOINT 9.718	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000007030 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.50018	(17) LONGITUDE -92.83142		
(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 7	(60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION 8	(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 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1982	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 7		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 2600	(19) BYPASS DETOUR LENGTH 0	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2018		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 14		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 69.0	(49) STRUCTURE LENGTH (ft.) 330	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9
(52) DECK WIDTH, OUT-TO-OUT (ft.) 43.0		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(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.) 41.7		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) R 24.25		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) R 25.6		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING 100.0	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	02
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	R
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 2900	(115) YEAR OF FUTURE ADT 2038	(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	4
		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.	14190	sq. ft.	10642	3548	0	0
	Transverse deck cracks, corresponding soffit cracks with efflorescence.						
1130 - Cracking (RC and Other)		3548			3548		
107 - Steel Open Girder/Beam	1- Ben.	1980	ft.	1980			
	New paint. Condition is 100% Painted under Contract Painting Job in 2015.						
515 - Steel Protective Coating		14850	sq. ft.	14850			
205 - Reinforced Concrete Column	1- Ben.	8	each	8			
215 - Reinforced Concrete Abutment	1- Ben.	86	ft.	86			
234 - Reinforced Concrete Pier Cap	1- Ben.	172	ft.	172			
303 - Assembly Joint with Seal	1- Ben.	86	ft.	86			
310 - Elastomeric Bearing	1- Ben.	36	each	36			
331 - Reinforced Concrete Bridge Railing	1- Ben.	660	ft.	660			

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Pictures

PHOTO 2

Description

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Sketches

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Maintenance Needs

Date Reported: 02/20/2018

Priority: C - Important

Work Code:

Deficiency Description:

Abutment 1 right side there is a large scour hole that starts outside the outside girder and appears to be coming from the assembly joint seal. The scour hole is encroaching upon the abutment 1 cap and hole is 4' - 5' deep and 6' - 8' wide.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Abutment 1 right side there is a large scour hole that starts outside the outside girder and appears to be coming from the assembly joint seal.