

Bridge Inspection Report

13214

SH 192-2 Log 2.70

over

LITTLE GLAZYPEAU CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

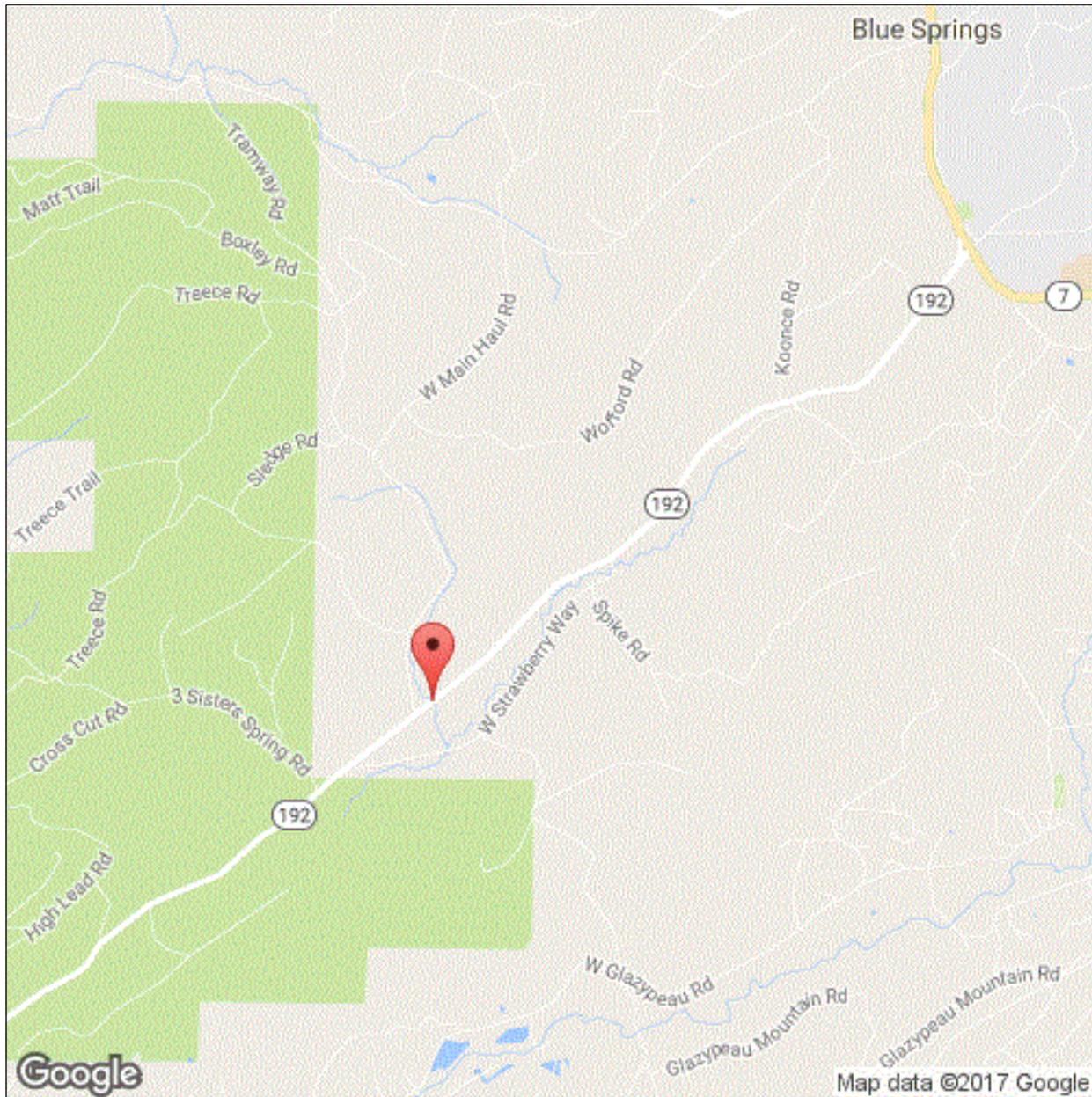
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Bridge Inspection Report

Location Map



Latitude: 34.630383

Longitude: -93.111931

Inspector:

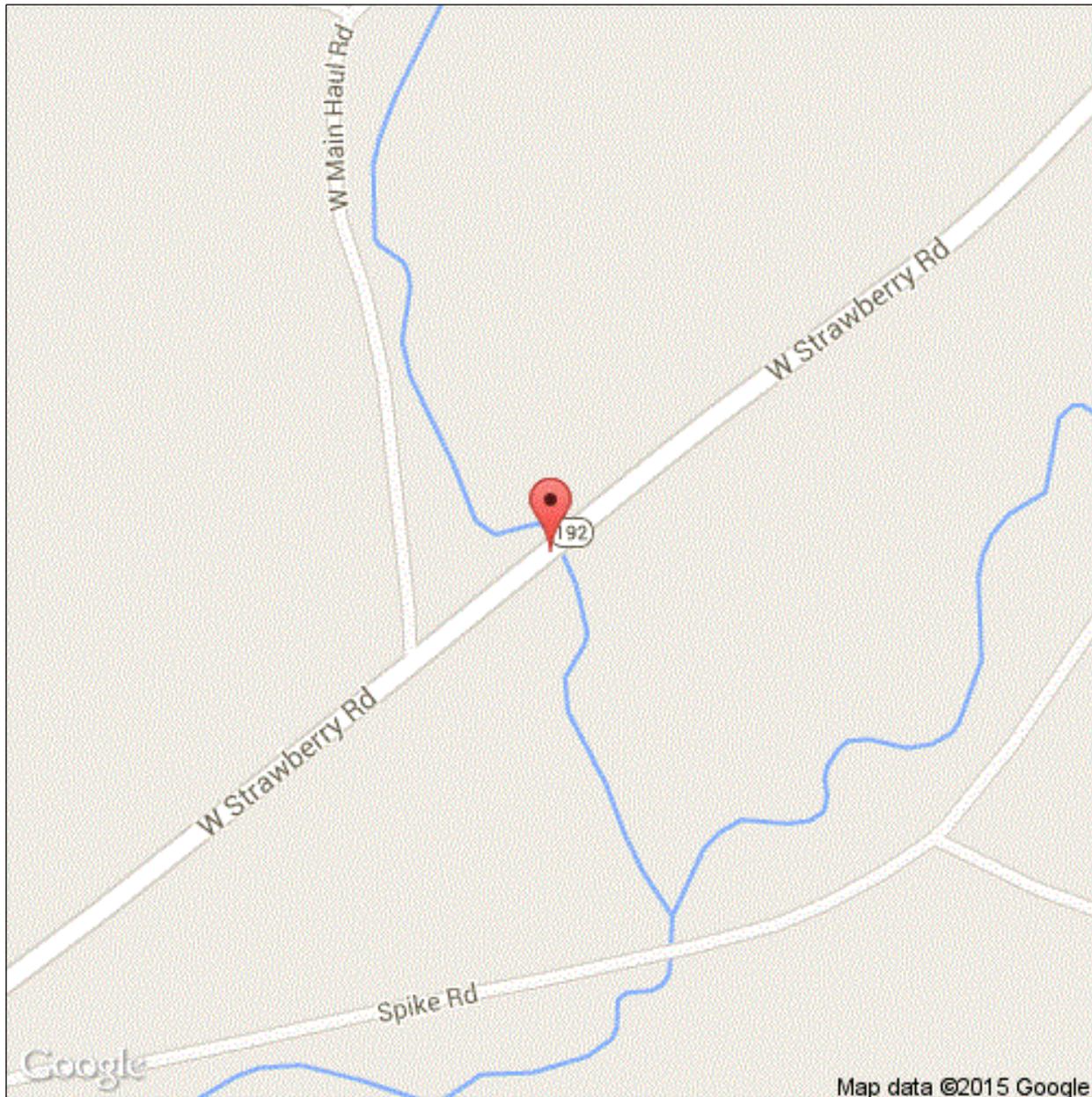
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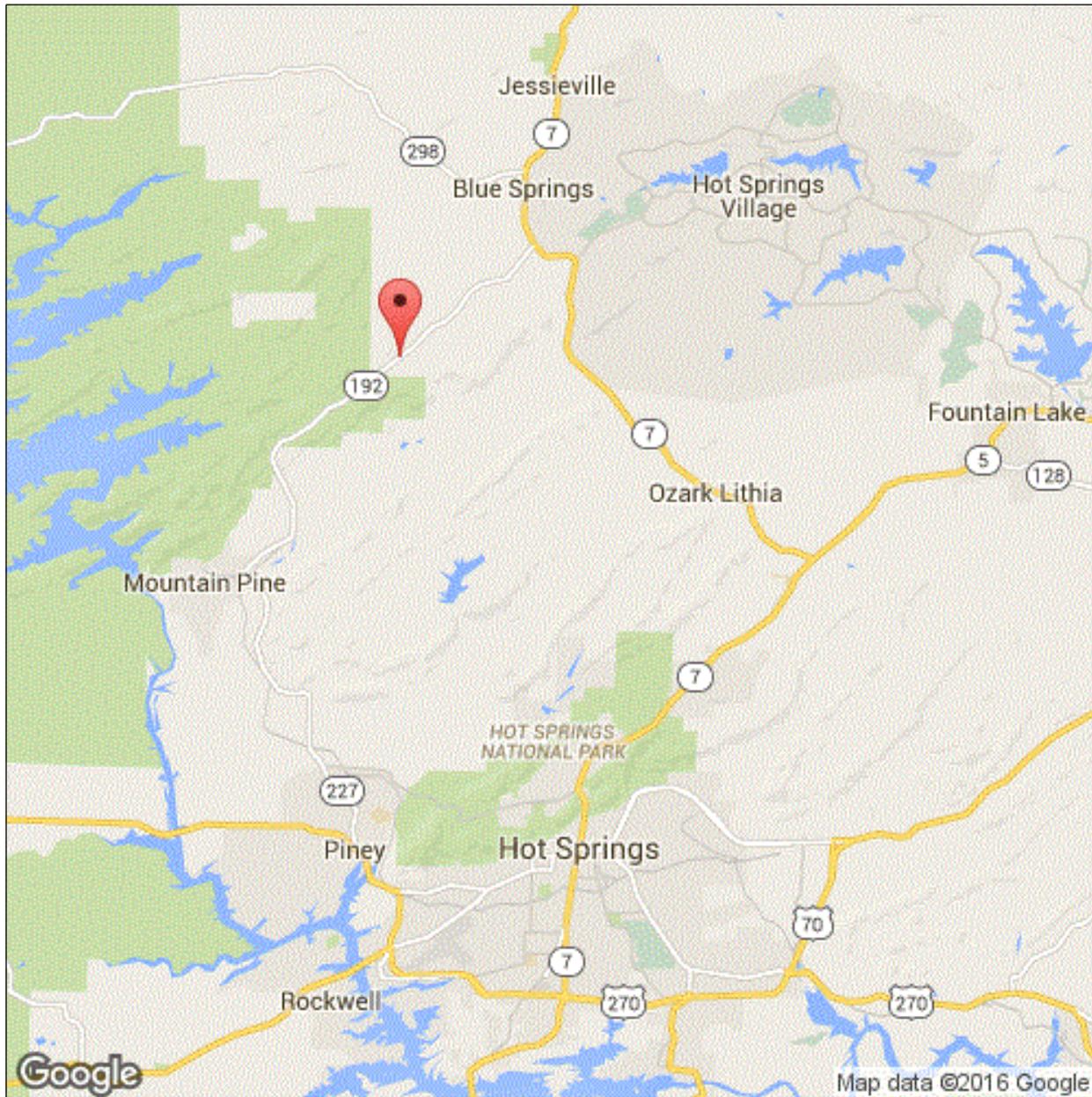
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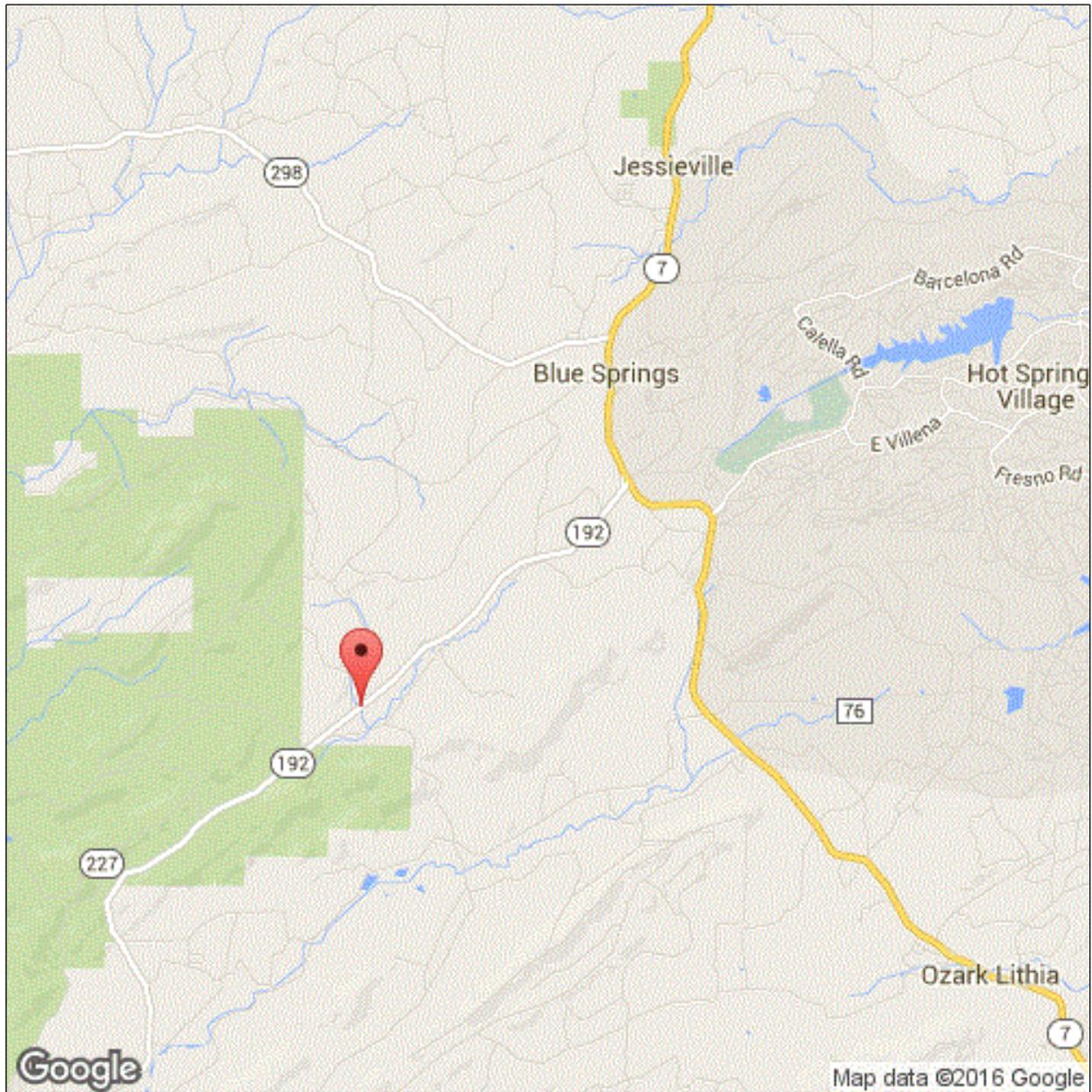
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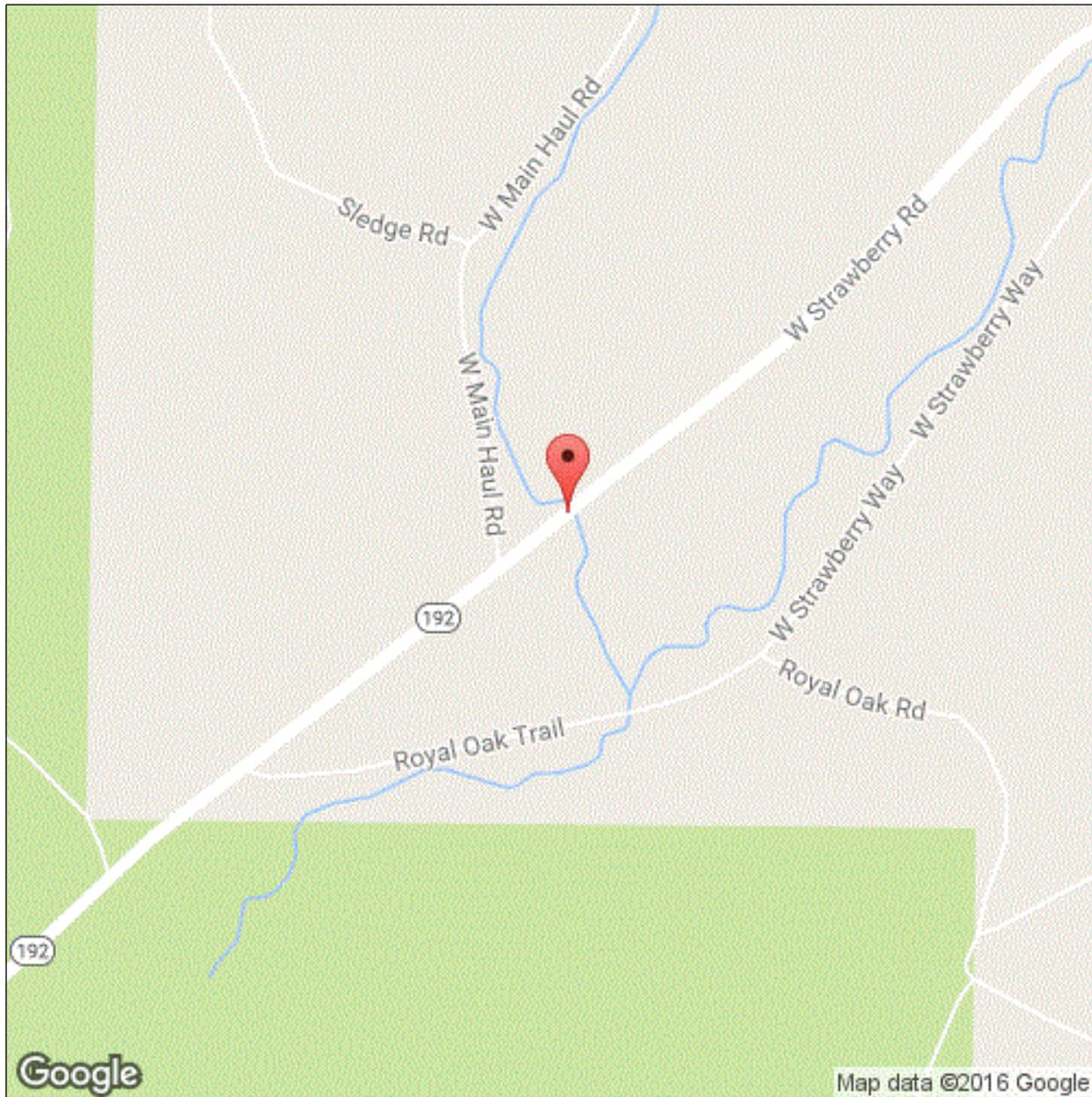
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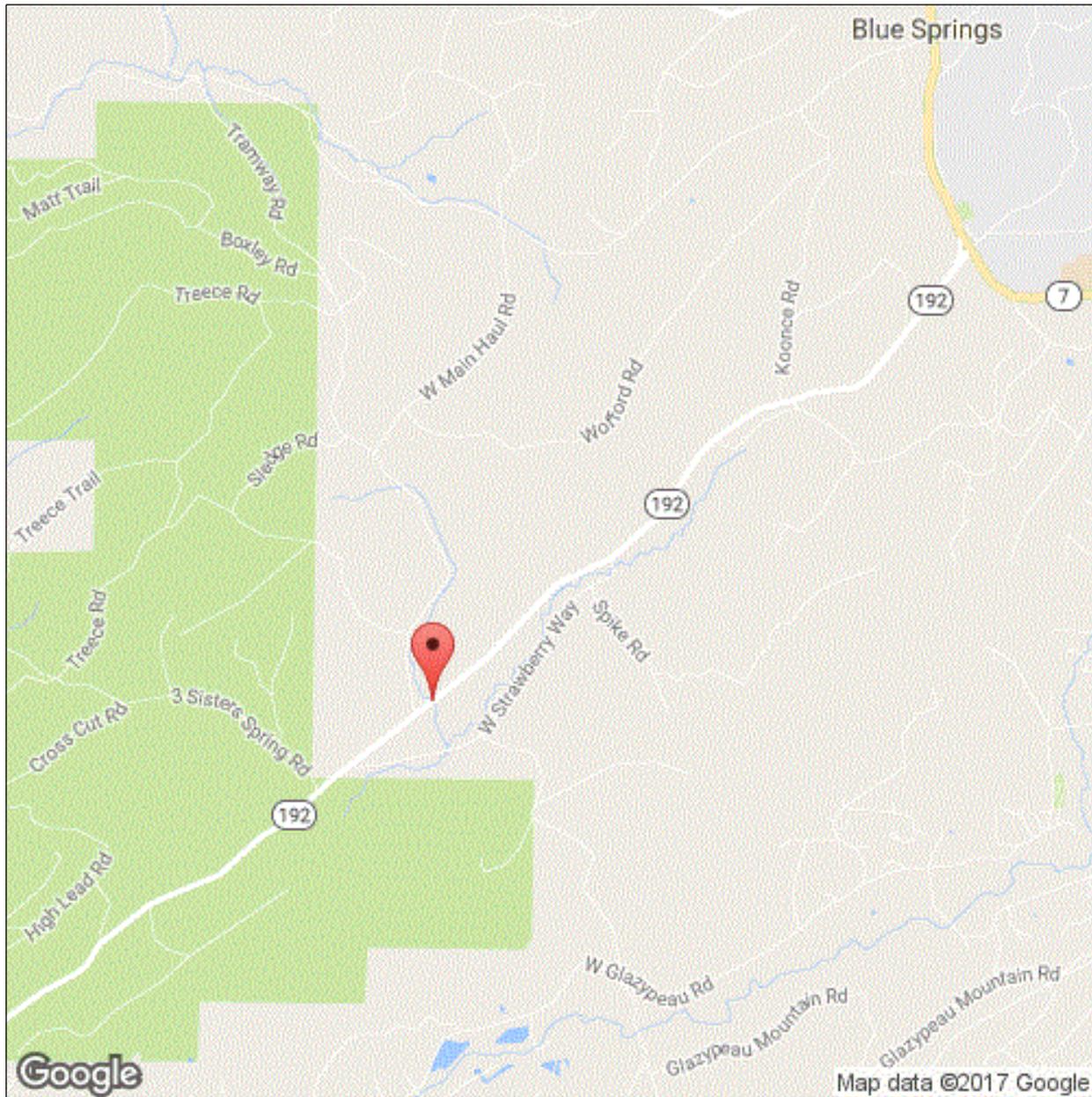
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Executive Summary

Logged eastbound.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/18/2017
(8) STRUCTURE NUMBER	13214	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 192 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 051	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE GLAZYPEAU CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 192-2 Log 2.70	CONDITION	
(9) LOCATION	2.70 Mi East SH 227	(58) DECK	5
(11) MILEPOINT 2.660	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 5
(13A) LRS INVENTORY ROUTE	0000192020 (13B) SUBROUTE NUMBER 20	(61) CHANNEL & CHANNEL PROTECTION	5 (62) CULVERT N
(16) LATITUDE 34.630383	(17) LONGITUDE -93.111931	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	0
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	13
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	8
B) TYPE OF DESIGN/CONSTR:	01 - Slab	(70) BRIDGE POSTING	0
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	P
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	3
(45) NUMBER OF SPANS IN MAIN	2 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	6
		(72) APPROACH ROADWAY ALIGNMENT	8
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1945 (106) YEAR RECONSTRUCTED	36A) BRIDGE RAILINGS:	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	36B) TRANSITIONS:	0
(28) LANES	ON 02 UNDER 00	36C) APPROACH GUARDRAIL:	0
(29) AVERAGE DAILY TRAFFIC	2000 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	5
(109) AVERAGE DAILY TRUCK TRAFFIC	1	SUFFICIENCY RATING	2 STATUS 20.5
GEOMETRIC DATA		CLASSIFICATION	
(48) LENGTH OF MAX SPAN (ft.)	14.9 (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.)	23.9	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(52) DECK WIDTH, OUT-TO-OUT (ft.)	24.3	(100) STRAHNET HIGHWAY DESIGNATION	0
(32) APPROACH ROADWAY WIDTH (ft.)	24.0	(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.)	23.9	(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 99.0	(21) MAINTENANCE RESPONSIBILITY	01
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(22) OWNER	01
PROPOSED IMPROVEMENTS		(37) HISTORICAL	4
(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		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(114) FUTURE ADT	2366 (115) YEAR OF FUTURE ADT		2028

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	744	sq. ft.	48	635	61	0
<p>The soffit has transverse cracks on approximately 1 foot centers between the railroad rails. 0.015 inch avg.</p> <p>Both edges of the slab, concrete is deteriorating.</p> <p>Left edge of wearing surface is cracked the entire length of the bridge.</p>							
1080 - Delamination/Spall/Patched Area		61				61	
1130 - Cracking (RC and Other)		635			635		
510 - Wearing Surfaces		728	sq. ft.	697	0	31	0
3220 - Crack (Wearing Surface)		31				31	
206 - Timber Column	1- Ben.	6	each	6			
<p>The piles at bent 2 have been replaced with 8x8 treated timber columns resting on concrete footings.</p>							
218 - Other Abutment	1- Ben.	68	ft.	55	0	13	0
<p>Bent 1, the cribbing is decayed on the ends and along the joints. Bent 3, the cribbing is decayed on the ends and a section is missing between piles 3 & 4.</p>							
1220 - Deterioration (Other)		13			20	13	
228 - Timber Pile	1- Ben.	14	each	11	0	3	0
<p>Bt. 3, piles 2, 3, & 5 are hollow.</p>							
1140 - Decay/Section Loss		3				3	
235 - Timber Pier Cap	1- Ben.	75	ft.	70	5	0	0
<p>Bent 1, the cap has some areas of white fungus and the ends are decayed. Bt. 2, the right end of the cap has some decay. Bent 3, the cap has some areas of white fungus and the ends are decayed.</p>							
1140 - Decay/Section Loss		5			5		
330 - Metal Bridge Railing	1- Ben.	60	ft.	60			
<p>The rail has been repaired.</p>							

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Pictures

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Sketches

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Maintenance Needs