

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:

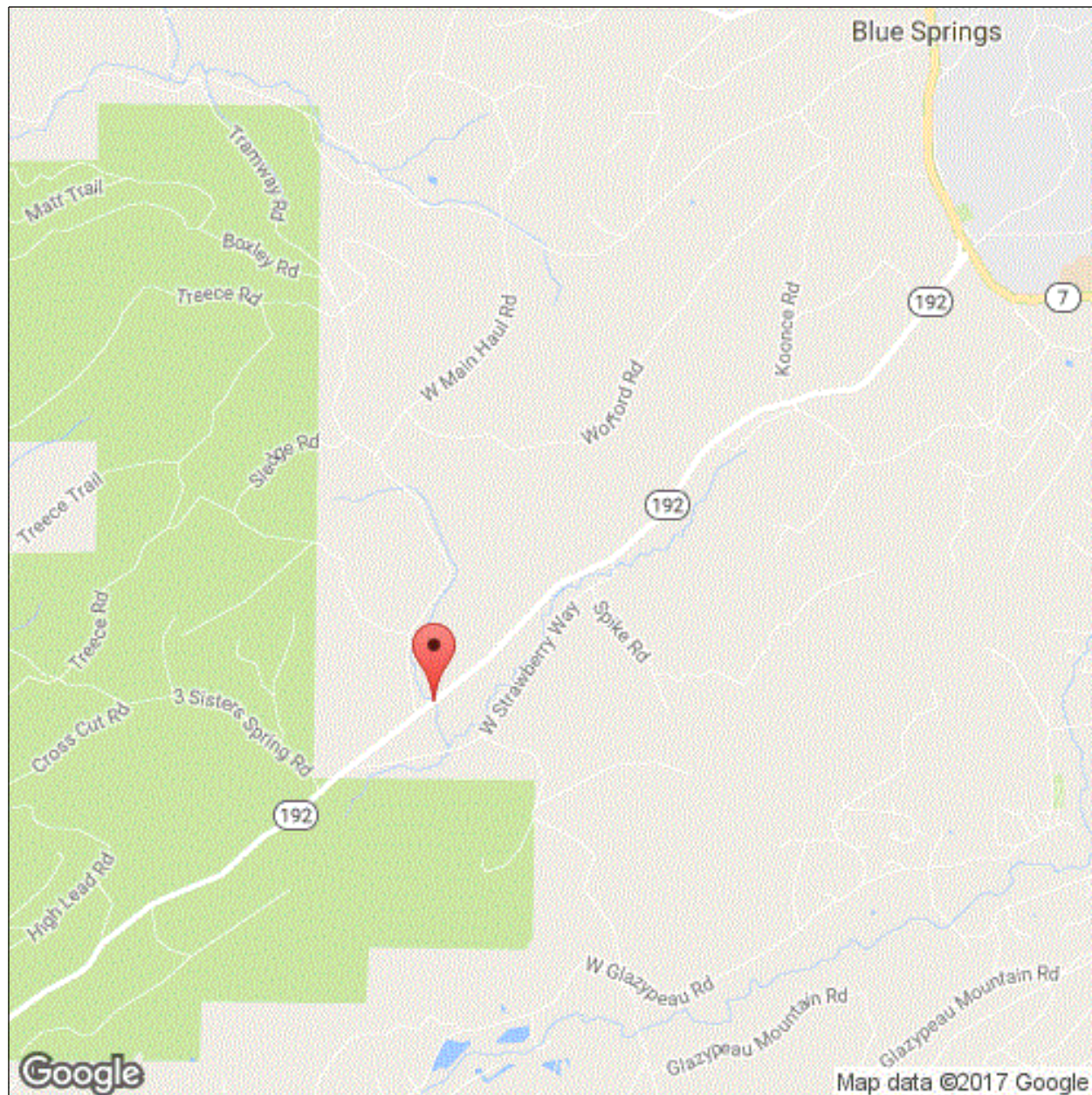
Structure Number: 13214

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Bridge Inspection Report

Location Map



Latitude: 34.630383

Longitude: -93.111931

Inspector:

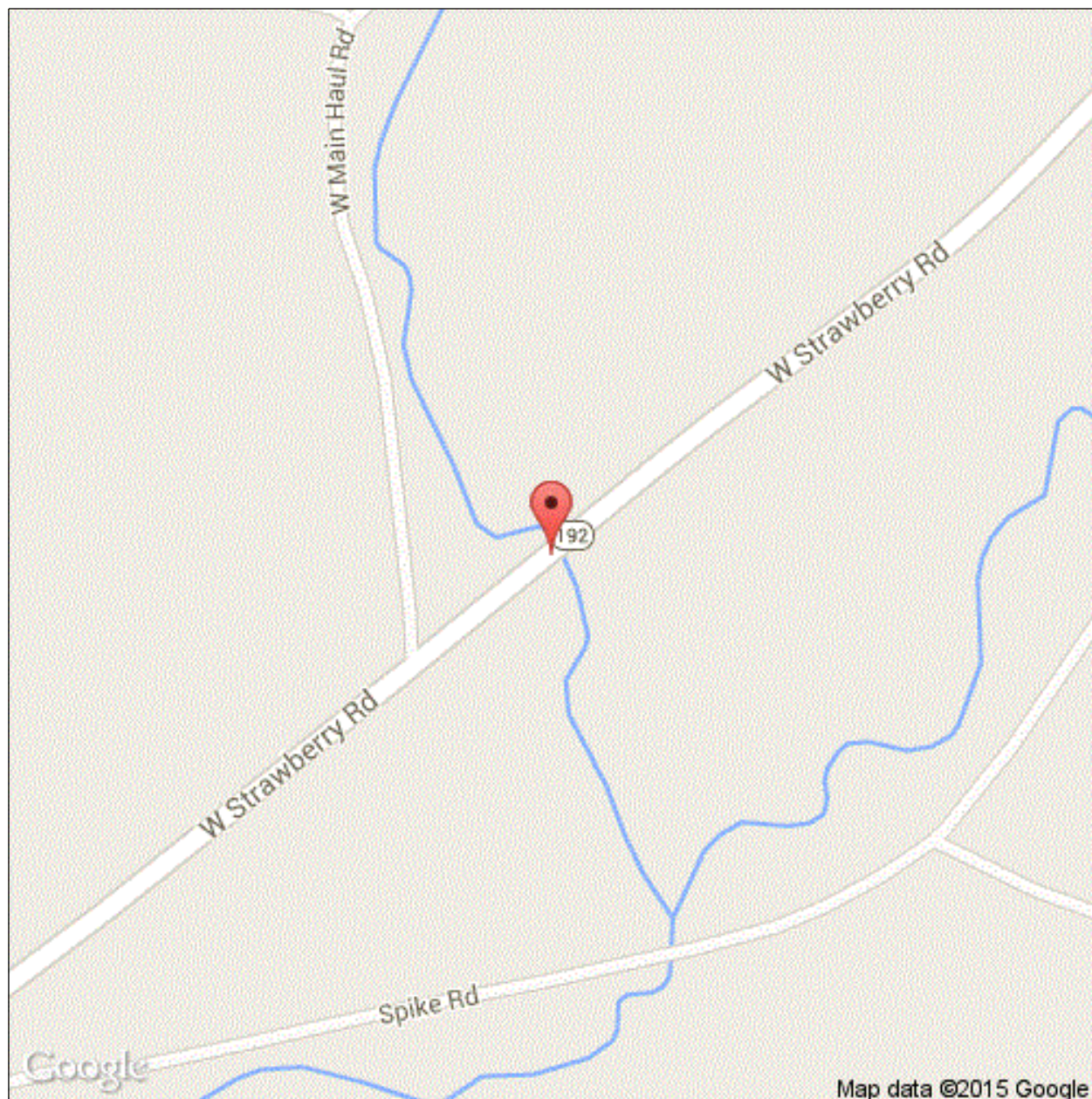
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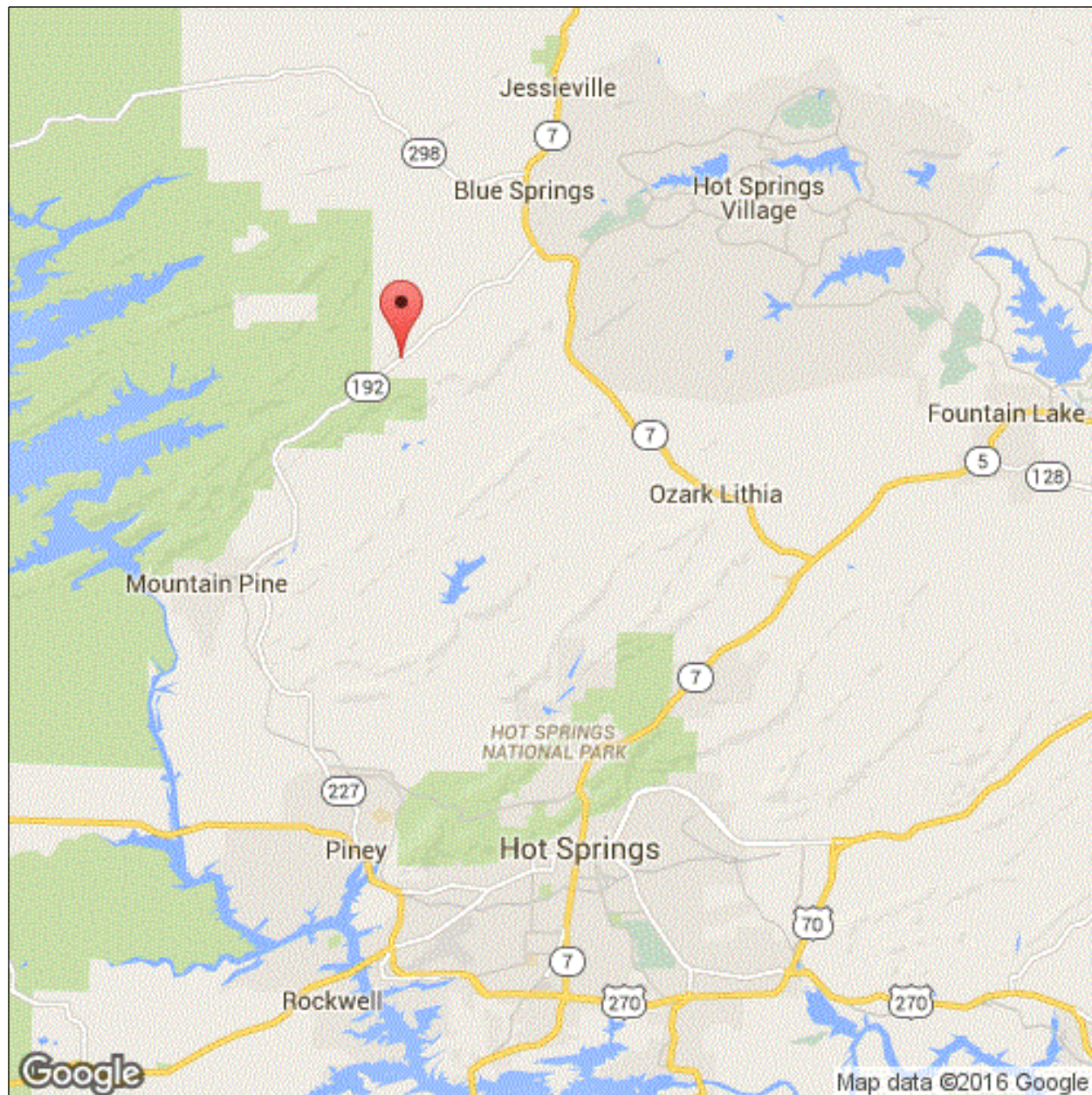
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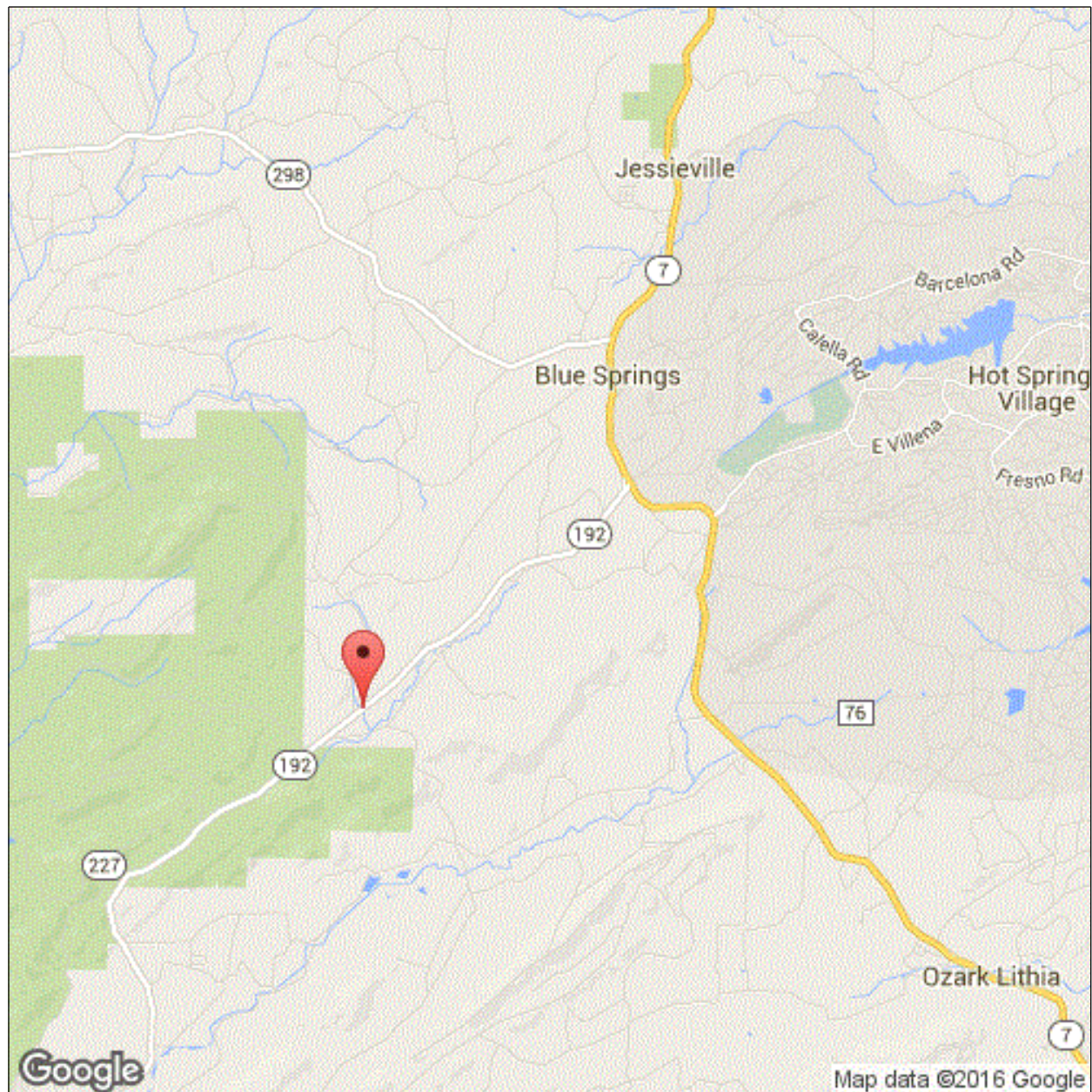
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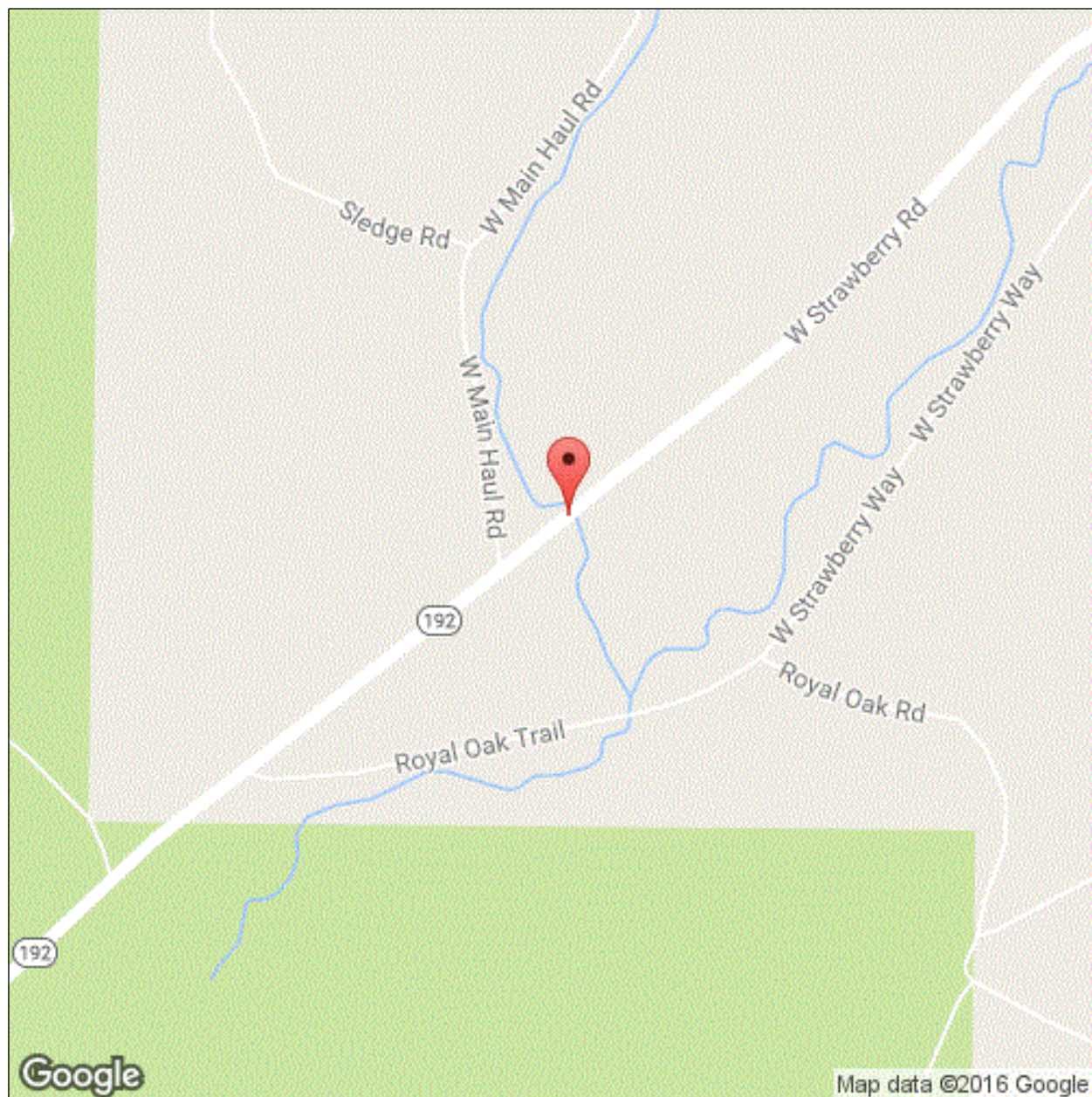
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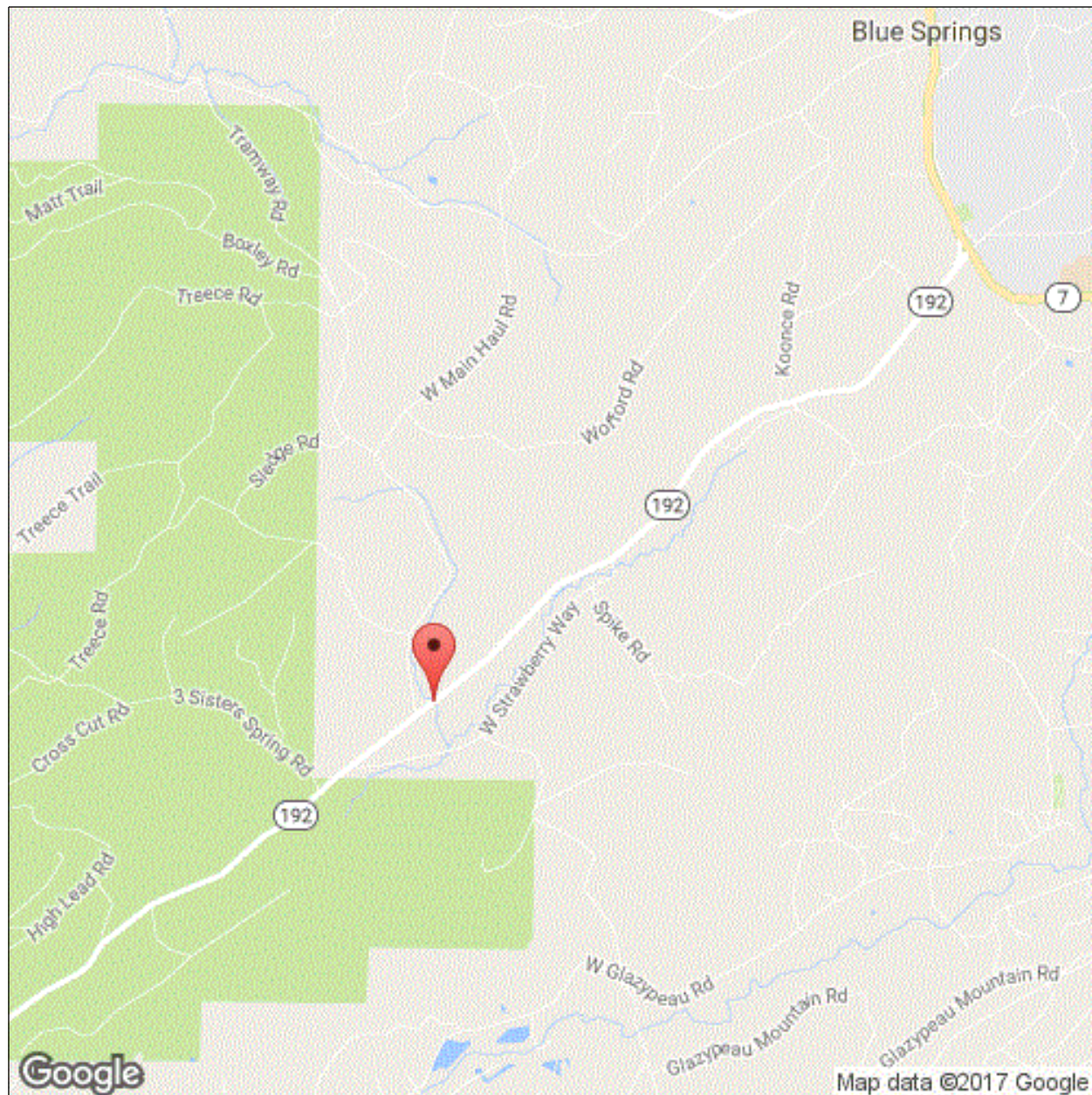
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Executive Summary

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		
(9) LOCATION	2.70 Mi East SH 227		
(11) MILEPOINT 2.660	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000192020 (13B) SUBROUTE NUMBER 20		
(16) LATITUDE 34.630383	(17) LONGITUDE -93.111931		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	5
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	5
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	5
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	2 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1945 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	0
(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	13
(29) AVERAGE DAILY TRAFFIC	2000 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	8
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(70) BRIDGE POSTING	0
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	14.9 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	3
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	24.3	(71) WATERWAY ADEQUACY	6
(32) APPROACH ROADWAY WIDTH (ft.)	24.0	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	23.9	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.0	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	2
		STATUS	20.5
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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(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		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	2366 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(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
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			
	The piles at bent 2 have been replaced with 8x8 treated timber columns resting on concrete footings.						
218 - Other Abutment	1- Ben.	68	ft.	55	0	13	0
	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.						
1220 - Deterioration (Other)		13			20	13	
228 - Timber Pile	1- Ben.	14	each	11	0	3	0
	Bt. 3, piles 2, 3, & 5 are hollow.						
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.</p> <p>Bt. 2, the right end of the cap has some decay.</p> <p>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			
	The rail has been repaired.						

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Pictures

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Sketches

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Maintenance Needs