

Bridge Inspection Report

02971

SH 41- 02 -LM 9.20

over

HURRICANE CR



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

Structure Number: 02971

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Facility Carried: SH 41- 02 -LM 9.20

Bridge Inspection Report

Location Map



Latitude: 33.82874

Longitude: -94.39045

Inspector:

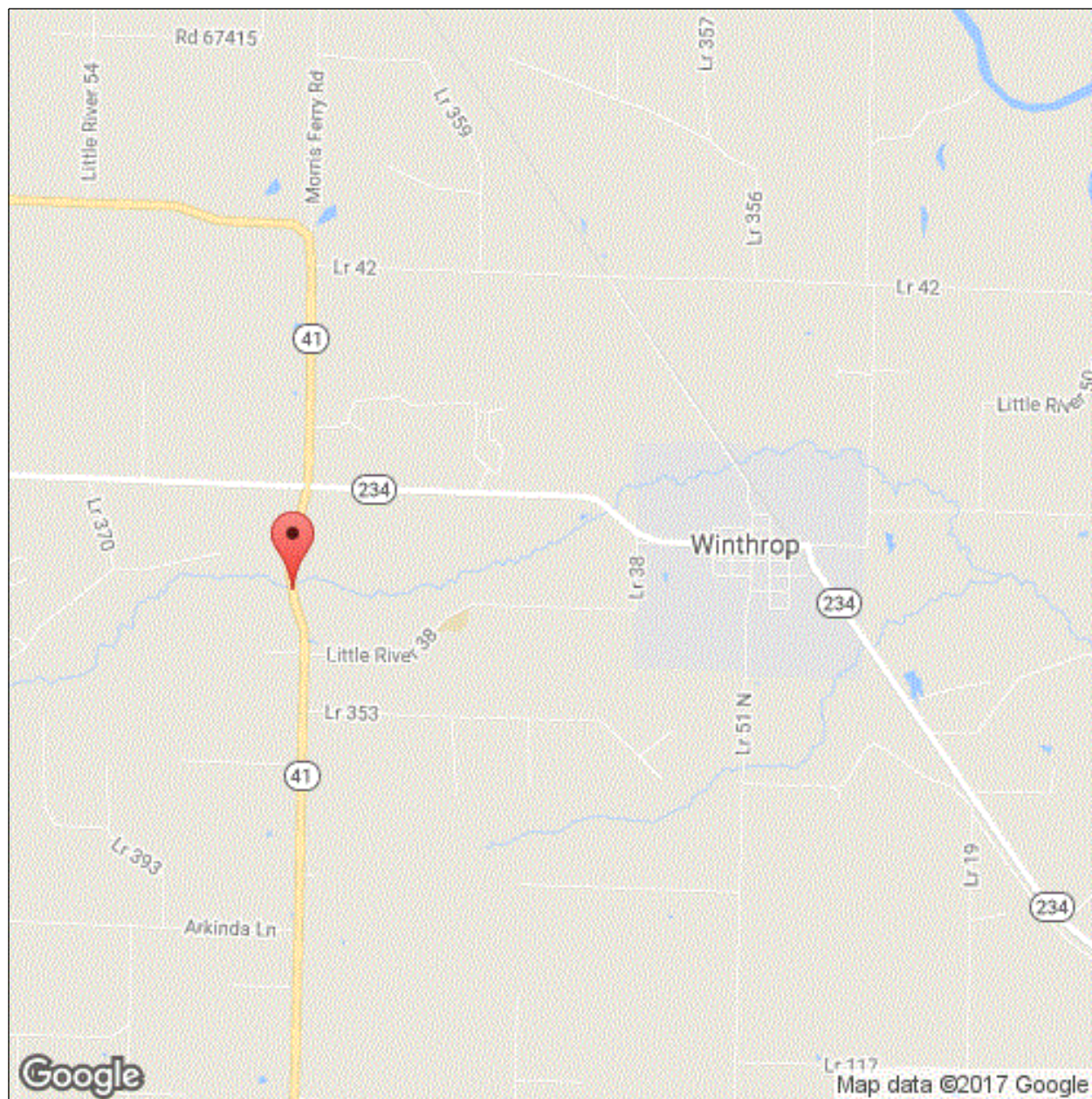
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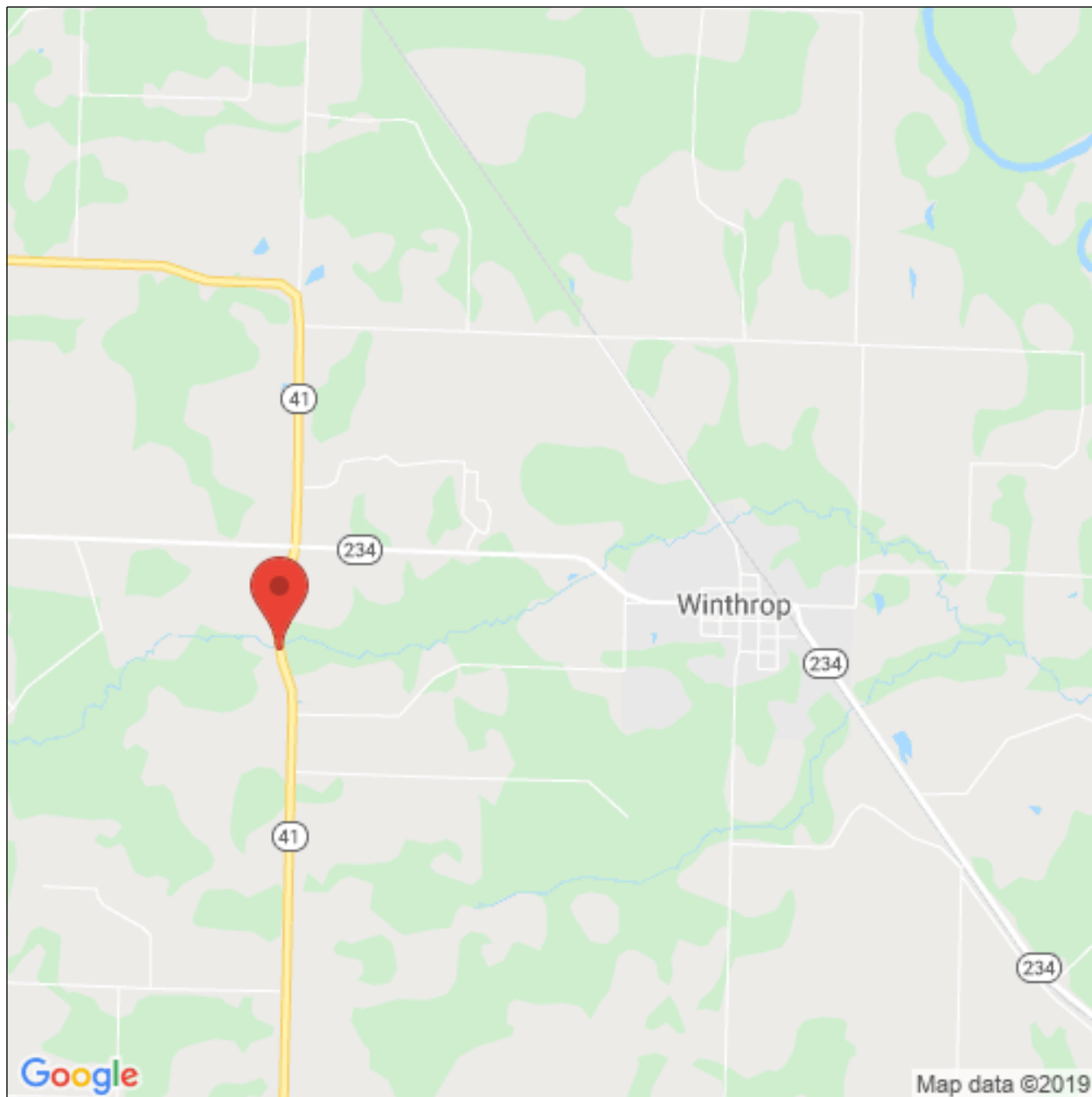
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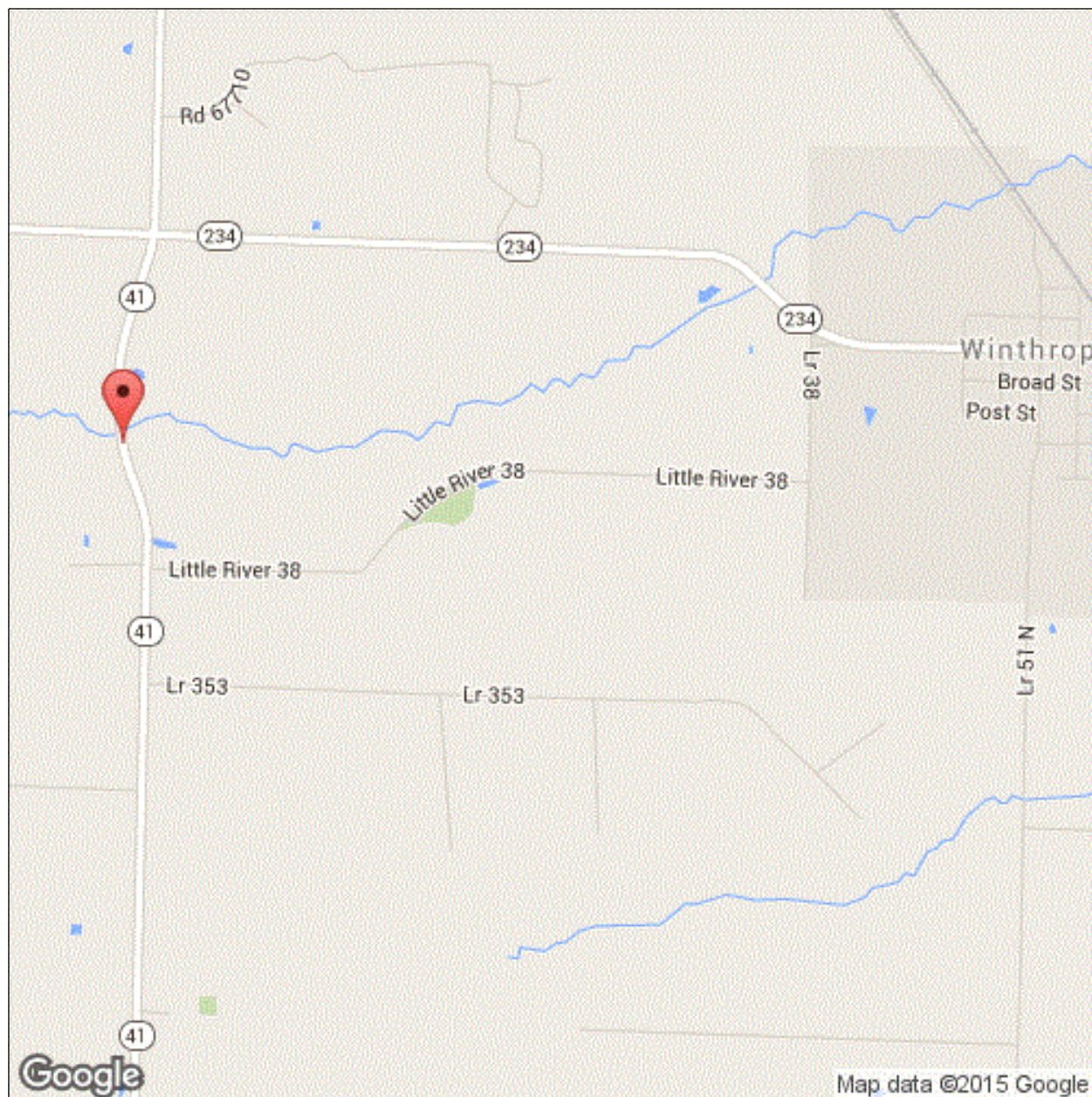
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Executive Summary

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/19/2019
(8) STRUCTURE NUMBER	02971	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 41 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 081	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	HURRICANE CR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 41- 02 -LM 9.20		
(9) LOCATION	7.30 MI N OF FORMAN		
(11) MILEPOINT 9.200	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000041020 (13B) SUBROUTE NUMBER 41		
(16) LATITUDE	33.82874 (17) LONGITUDE -94.39045		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	6 (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	3 (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	
(42) TYPE OF SERVICE	ON 1 UNDER 5	(31) DESIGN LOAD 2	
(28) LANES	ON 02 UNDER 00	(63) METHOD USED TO DETERMINE OPERATING RATING	
(29) AVERAGE DAILY TRAFFIC	2400 (19) BYPASS DETOUR LENGTH	3	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(64) OPERATING RATING 44.0	
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(65) METHOD USED TO DETERMINE INVENTORY RATING	
		1	
		(66) INVENTORY RATING 26.0	
		(70) BRIDGE POSTING 5	
		(41) STRUCTURE OPEN/POSTED/CLOSED A	
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	28.0 (49) STRUCTURE LENGTH (ft.)	6	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.4 RIGHT 1.4	(67) STRUCTURAL EVALUATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(68) DECK GEOMETRY 2	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26.5	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N	
(32) APPROACH ROADWAY WIDTH (ft.)	35.1	(71) WATERWAY ADEQUACY 6	
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(72) APPROACH ROADWAY ALIGNMENT 7	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.6	(36) TRAFFIC SAFETY FEATURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36A) BRIDGE RAILINGS: 1	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36B) TRANSITIONS: 0	
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	36C) APPROACH GUARDRAIL: 1	
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	36D) APPROACH GUARDRAIL ENDS: 1	
		(113) SCOUR CRITICAL BRIDGES 7	
		SUFFICIENCY RATING 71.7 STATUS 2	
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY	1	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	110	(112) NBIS BRIDGE LENGTH Y	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE 0	
(95) ROADWAY IMPROVEMENT COST (\$)	156	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE 06	
(96) TOTAL PROJECT COST	422	(100) STRAHNET HIGHWAY DESIGNATION 0	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(101) PARALLEL STRUCTURE DESIGNATION N	
(114) FUTURE ADT 2195	(115) YEAR OF FUTURE ADT 2028	(102) DIRECTION OF TRAFFIC 2	
		(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
38 - Reinforced Concrete Slab	1- Ben.	2226	sq. ft.	2226	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	75	ft.	75	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	55	ft.	50	5	0	0
	1080- SPALL ON END OF BENT 2 CAP. 1090- SPALL ON END OF BENT 2 CAP WITH REBAR EXPOSED. MINOR SECTION LOSS...Spalls were patched on 5/17/2018 per Chad Hodges...						
1080 - Delamination/Spall/Patched Area		5		0	5	0	0
330 - Metal Bridge Railing	1- Ben.	168	ft.	0	168	0	0
	TOP COAT OF PAINT IS ALMOST GONE...Guardrail fixed on 5/17/2019 per Chad Hodges...						

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Pictures

PHOTO 1

Description

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Pictures

PHOTO 1

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Sketches

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Maintenance Needs