

Bridge Inspection Report

A6376
270-5 WB Lakeshore
over
LAKESHORE DRIVE



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

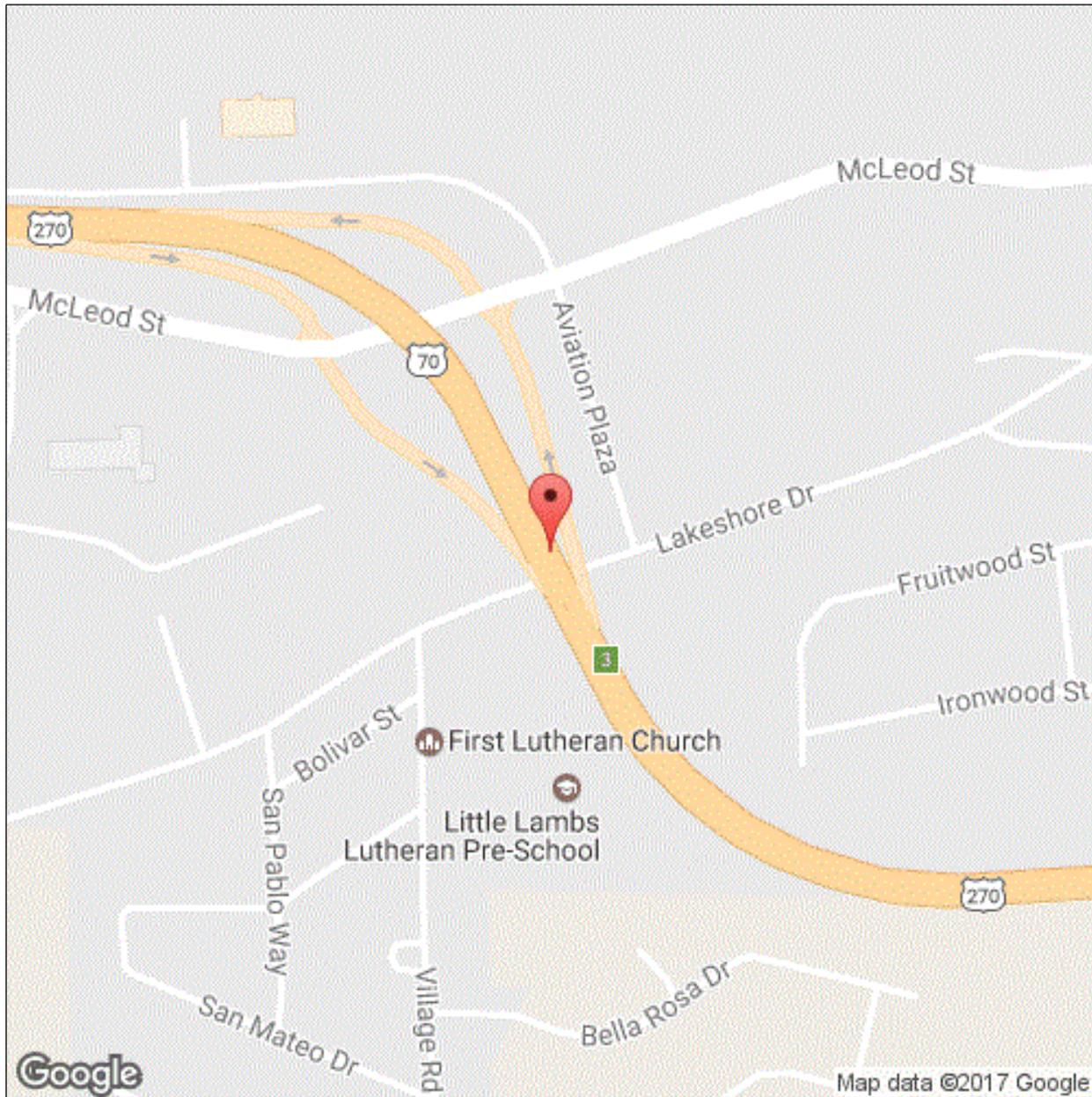
Structure Number: A6376

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Facility Carried: 270-5 WB Lakeshore

Bridge Inspection Report

Location Map



Latitude: 34.46844

Longitude: -93.08811

Inspector:

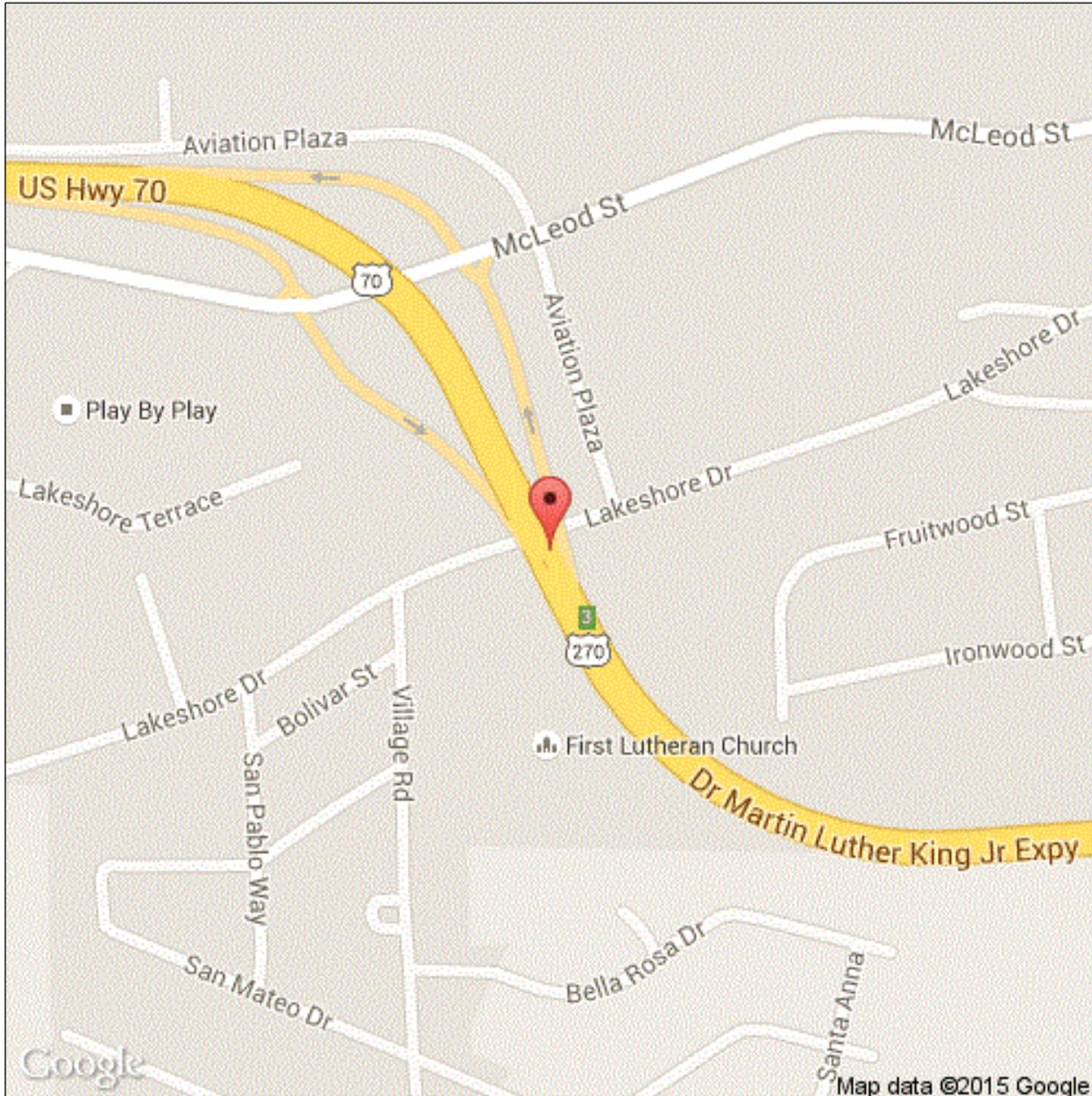
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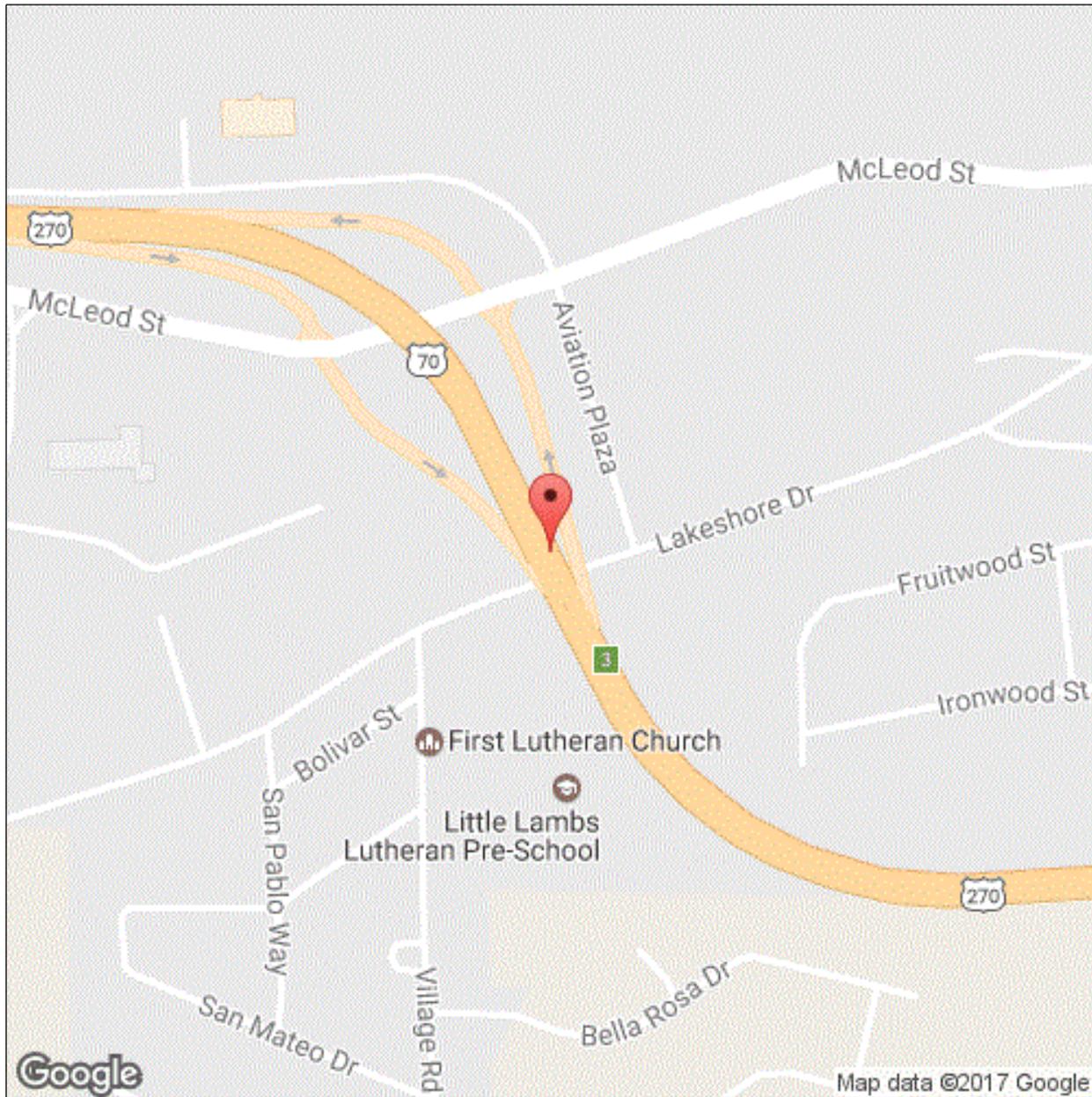
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Executive Summary

job# R60103 Dwg#31592 logged eastbound

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/22/2017
(8) STRUCTURE NUMBER	A6376	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 270 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 051	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	32540	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LAKESHORE DRIVE	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	270-5 WB Lakeshore	CONDITION	
(9) LOCATION	1.7 MI W OF SH 7	(58) DECK	7
(11) MILEPOINT 21.190 (12) BASE HIGHWAY NETWORK 1		(59) SUPERSTRUCTURE 7	(60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE 0000270050 (13B) SUBROUTE NUMBER 00		(61) CHANNEL & CHANNEL PROTECTION N	(62) CULVERT N
(16) LATITUDE 34.46844 (17) LONGITUDE -93.08811		LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY (99) BORDER BRIDGE STRUCT		(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN: 0 - Other		APPRAISAL	
B) TYPE OF DESIGN/CONSTR: 00 - Other		(67) STRUCTURAL EVALUATION	7
(45) NUMBER OF SPANS IN MAIN 3 (46) NUMBER OF APPROACH 0		(68) DECK GEOMETRY	9
(107) DECK STRUCTURE TYPE 1 (108A) WEARING SURFACE 1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(108B) DECK MEMBRANE 0 (108C) DECK PROTECTION 1		(71) WATERWAY ADEQUACY	N
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT 1992 (106) YEAR RECONSTRUCTED 0000		(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE ON 1 UNDER 1		36A) BRIDGE RAILINGS:	1
(28) LANES ON 02 UNDER 02		36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC 52892 (19) BYPASS DETOUR LENGTH 1		36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(113) SCOUR CRITICAL BRIDGES	N
GEOMETRIC DATA		SUFFICIENCY RATING	93.0 STATUS 0
(48) LENGTH OF MAX SPAN (ft.) 81 (49) STRUCTURE LENGTH (ft.) 178		CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 44.0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(52) DECK WIDTH, OUT-TO-OUT (ft.) 87		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	12
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN 0 (34) SKEW (DEG.) 10		(101) PARALLEL STRUCTURE DESIGNATION	L
(35) STRUCTURE FLARED 1 (10) INV RTE, MIN VERT CLEAR (ft.) 99.99		(102) DIRECTION OF TRAFFIC	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 45.6		(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 18.17		(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 28.0		(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.) 28.5		(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED (75B) WORK DONE BY		(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$) 0		(38) NAVIGATION CONTROL	N
(95) ROADWAY IMPROVEMENT COST (\$) 0		(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST 0		(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT 13801 (115) YEAR OF FUTURE ADT 2028		(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.	10094	sq. ft.	9454	640	0	0
1130 - Cracking (RC and Other)		640		0	640	0	0
107 - Steel Open Girder/Beam	1- Ben.	1276	ft.	1276	0	0	0
515 - Steel Protective Coating		8970	sq. ft.	0	8970	0	0
3410 - Chalking (Steel Protective Coatings)		8955		0	8955	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		15		0	15	0	0
205 - Reinforced Concrete Column	1- Ben.	7	each	7	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	138	ft.	123	15	0	0
1080 - Delamination/Spall/Patched Area		1		0	1	0	0
1130 - Cracking (RC and Other)		14		0	14	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	127	ft.	127	0	0	0
302 - Compression Joint Seal	1- Ben.	263	ft.	165	98	0	0
2310 - Leakage		86		0	86	0	0
2330 - Seal Damage		12		0	12	0	0
311 - Movable Bearing	1- Ben.	22	each	22	0	0	0
313 - Fixed Bearing	1- Ben.	22	each	22	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	352	ft.	352	0	0	0

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Pictures

PHOTO 1

Description

PHOTO 1

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Bridge Inspection Report

Pictures

PHOTO 2

Description

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Bridge Inspection Report

Sketches

Inspector:

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Maintenance Needs

Date Reported: 06/01/2015

Priority: C - Important

Work Code:

Deficiency Description:

Deck has large unsealed cracks

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Unsealed deck cracks.