

Bridge Inspection Report

A0395
US 70-8 Log 3.57
over
LOST CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

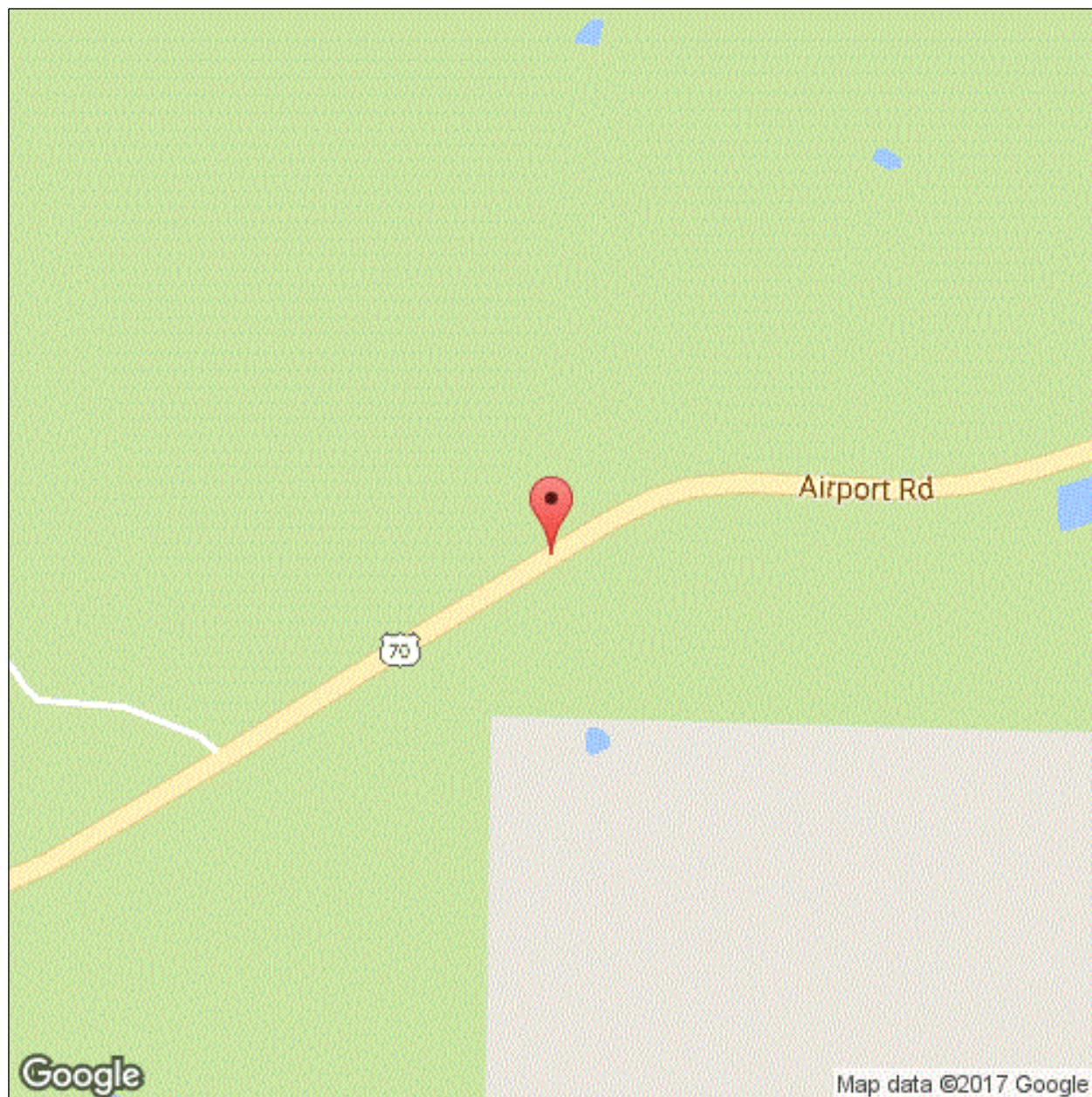
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Location Map



Latitude: 34.42651

Longitude: -93.30068

Inspector:

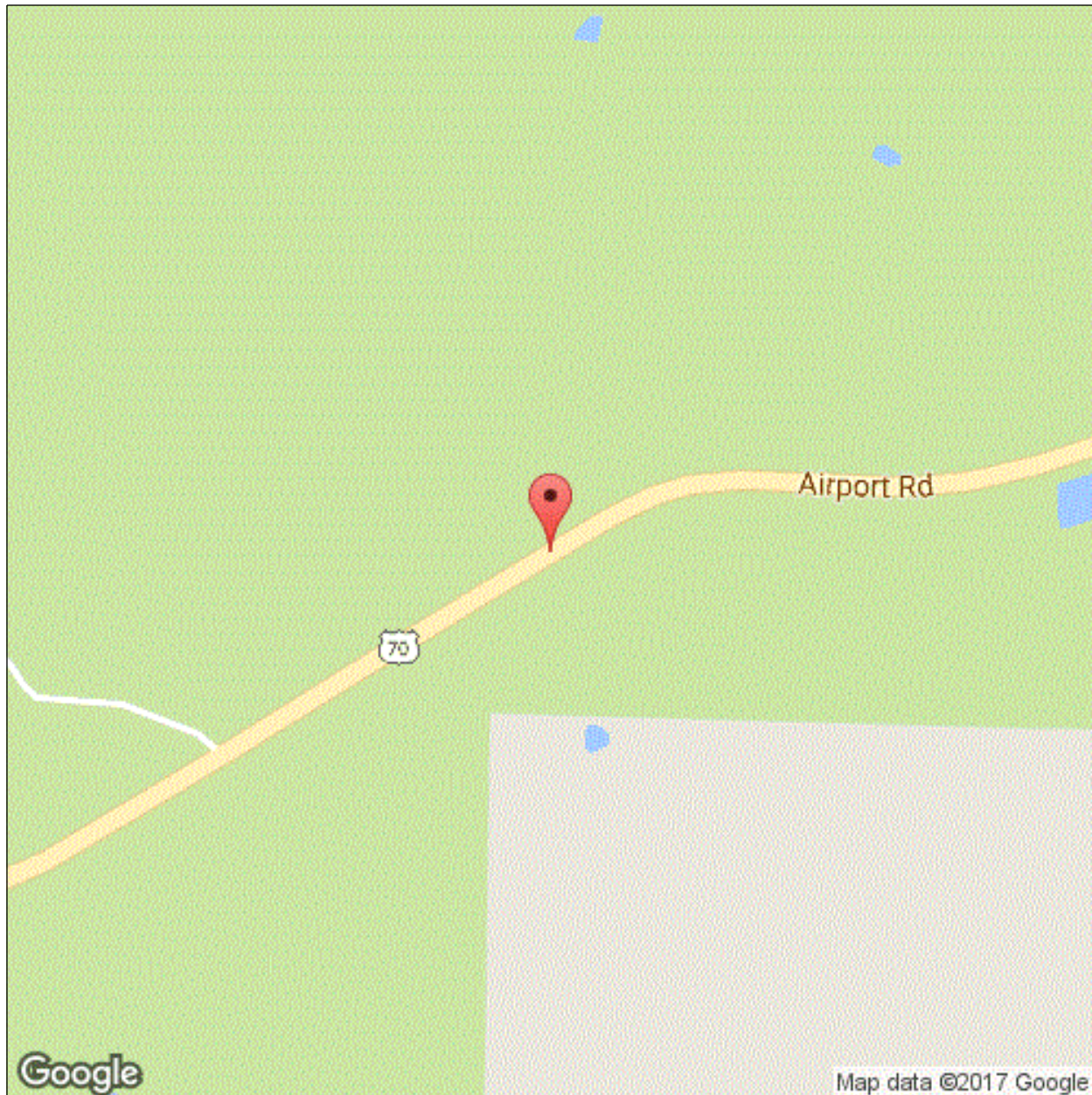
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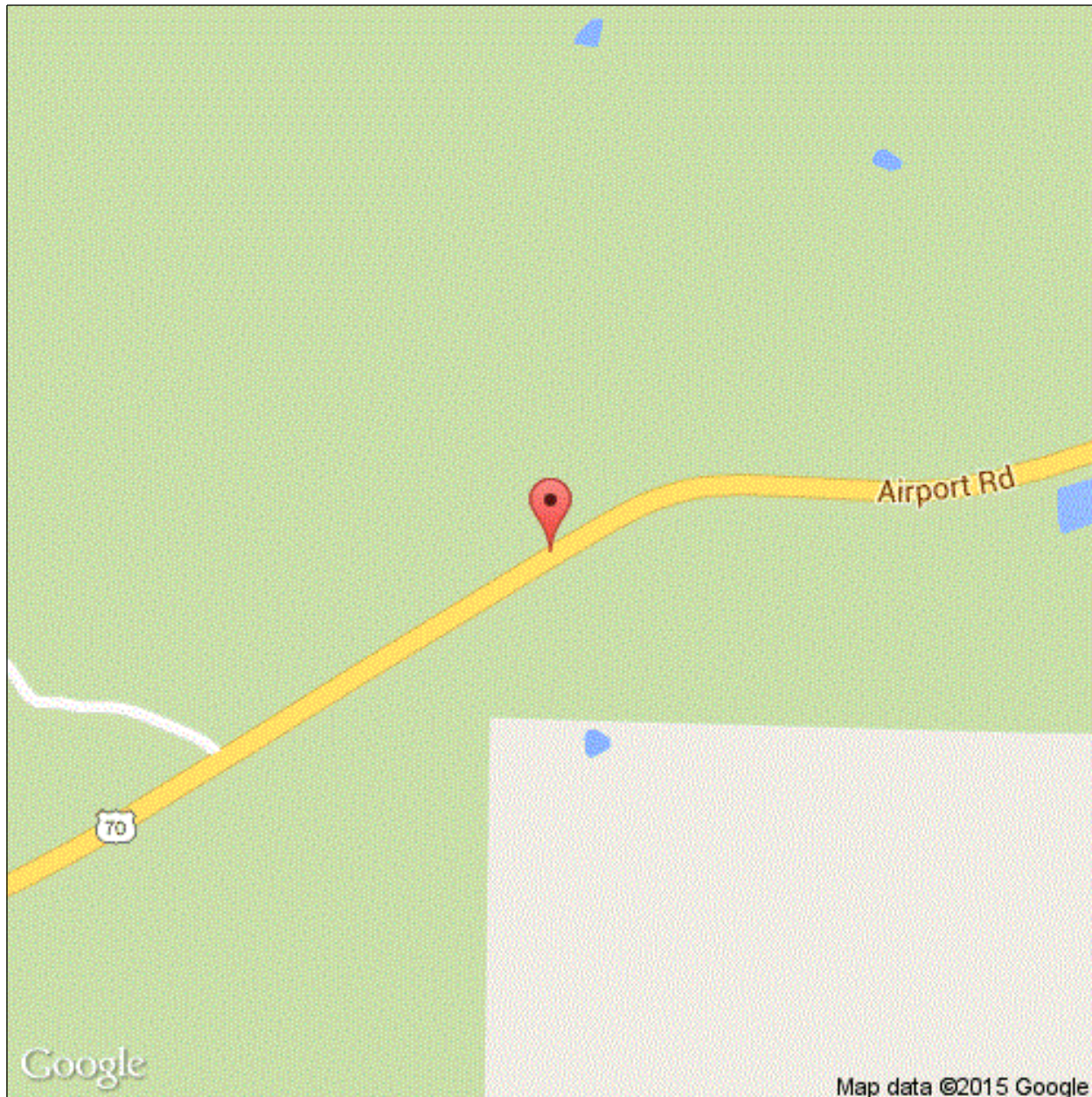
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Executive Summary

job 1450 dwg 18574 Approach going east.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/21/2017
(8) STRUCTURE NUMBER	A0395	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 70 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	LOST CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 70-8 Log 3.57		
(9) LOCATION	3.57 MI N HOT SPRING CO L		
(11) MILEPOINT 3.570	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000070080 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.42651	(17) LONGITUDE -93.30068		
(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 6	(60) SUBSTRUCTURE 5
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION 7	(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 1928	(106) YEAR RECONSTRUCTED 1974	(31) DESIGN LOAD	4
(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	60
(29) AVERAGE DAILY TRAFFIC 5200	(19) BYPASS DETOUR LENGTH 20	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 38	(49) STRUCTURE LENGTH (ft.) 113	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0	RIGHT 0	(68) DECK GEOMETRY	3
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	30.2	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(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.)	31.2	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 99.9	(113) SCOUR CRITICAL BRIDGES	8
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	55.9 STATUS 2
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	141.0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(95) ROADWAY IMPROVEMENT COST (\$)	265	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	816	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2001	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 5783	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(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
16 - Reinforced Concrete Top Flange	1- Ben.	2023	sq. ft.	2015	8	0	0
Small cracks with efflorescence in spans 1&3.							
1120 - Efflorescence/Rust Staining		8		0	8	0	0
510 - Wearing Surfaces		2023	sq. ft.	1236	787	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		12		0	12	0	0
3220 - Crack (Wearing Surface)		775		0	775	0	0
38 - Reinforced Concrete Slab	1- Ben.	1366	sq. ft.	1366	0	0	0
510 - Wearing Surfaces		1089	sq. ft.	1089	0	0	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	339	ft.	332	4	3	0
Girders have small spalls, spall with rebar exposed and small hairline cracks							
1080 - Delamination/Spall/Patched Area		1		0	1	0	0
1090 - Exposed Rebar		6		0	3	3	0
205 - Reinforced Concrete Column	1- Ben.	10	each	0	4	6	0
All columns have heavy abrasions with some rebar exposed at bents 2 and 3. Footings of all columns are exposed.							
1190 - Abrasion/Wear (PSC/RC)		10		0	4	6	0
215 - Reinforced Concrete Abutment	1- Ben.	96	ft.	81	15	0	0
Both abutments have small cracks and bent 4 abutment has footing exposed							
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.	78	ft.	71	7	0	0
Minor cracks							
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1130 - Cracking (RC and Other)		4		0	4	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	226	ft.	202	24	0	0
Minor cracks							
1130 - Cracking (RC and Other)		24		0	24	0	0

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Pictures

PHOTO 1

Description

PHOTO 2

Description

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Sketches

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Maintenance Needs

Date Reported: 08/12/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Deck has large unsealed cracks and pothole at bent 4 abutment

Work Description:

Date Repairs Completed:

Maintenance Comments:
