

# Bridge Inspection Report

**A0397**  
**US 70-8 Log 1.81**  
**over**  
**Lost Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

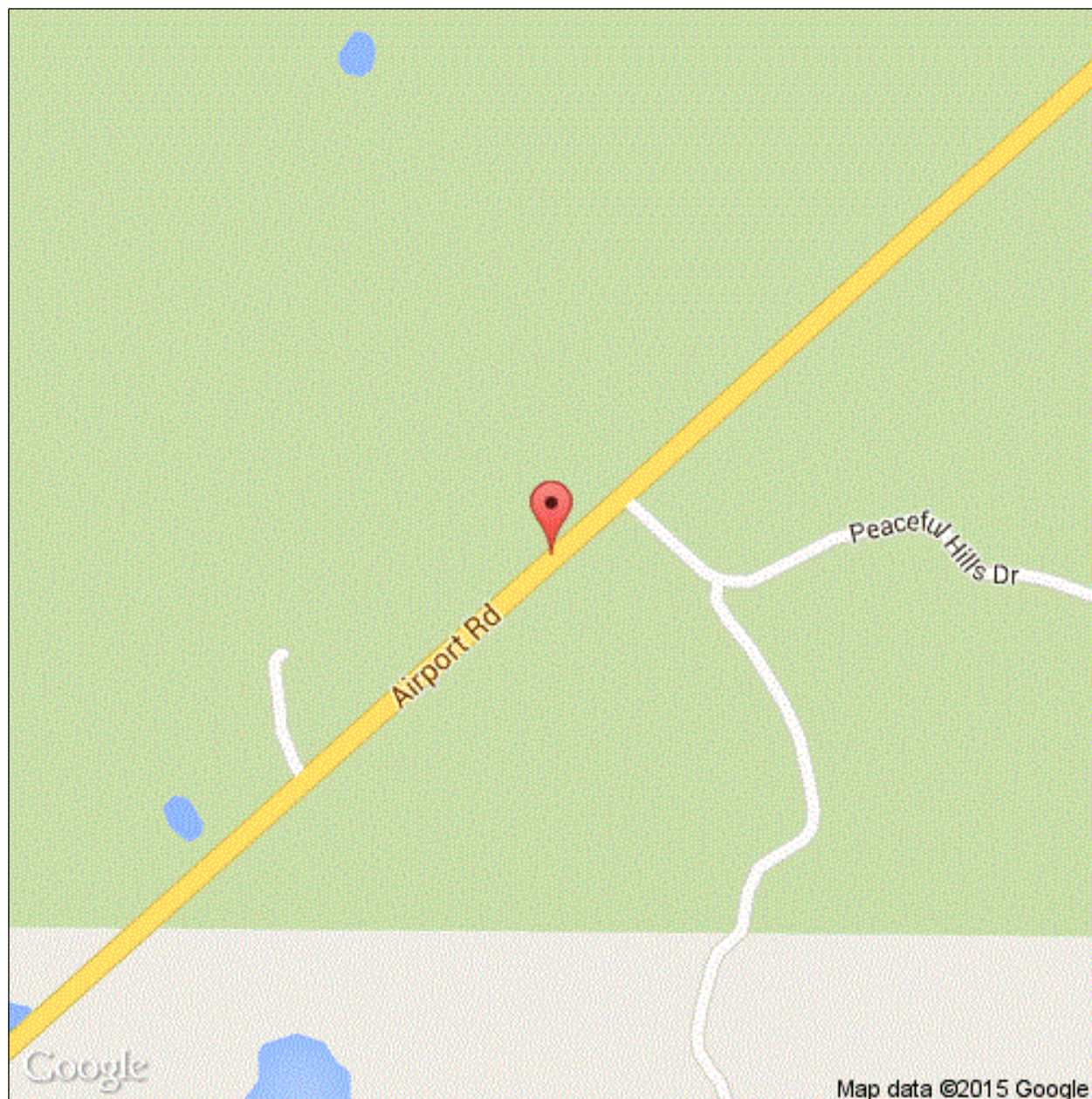
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Facility Carried: US 70-8 Log 1.81

## Bridge Inspection Report

### Location Map



Latitude: 34.41378

Longitude: -93.32715



Inspector:

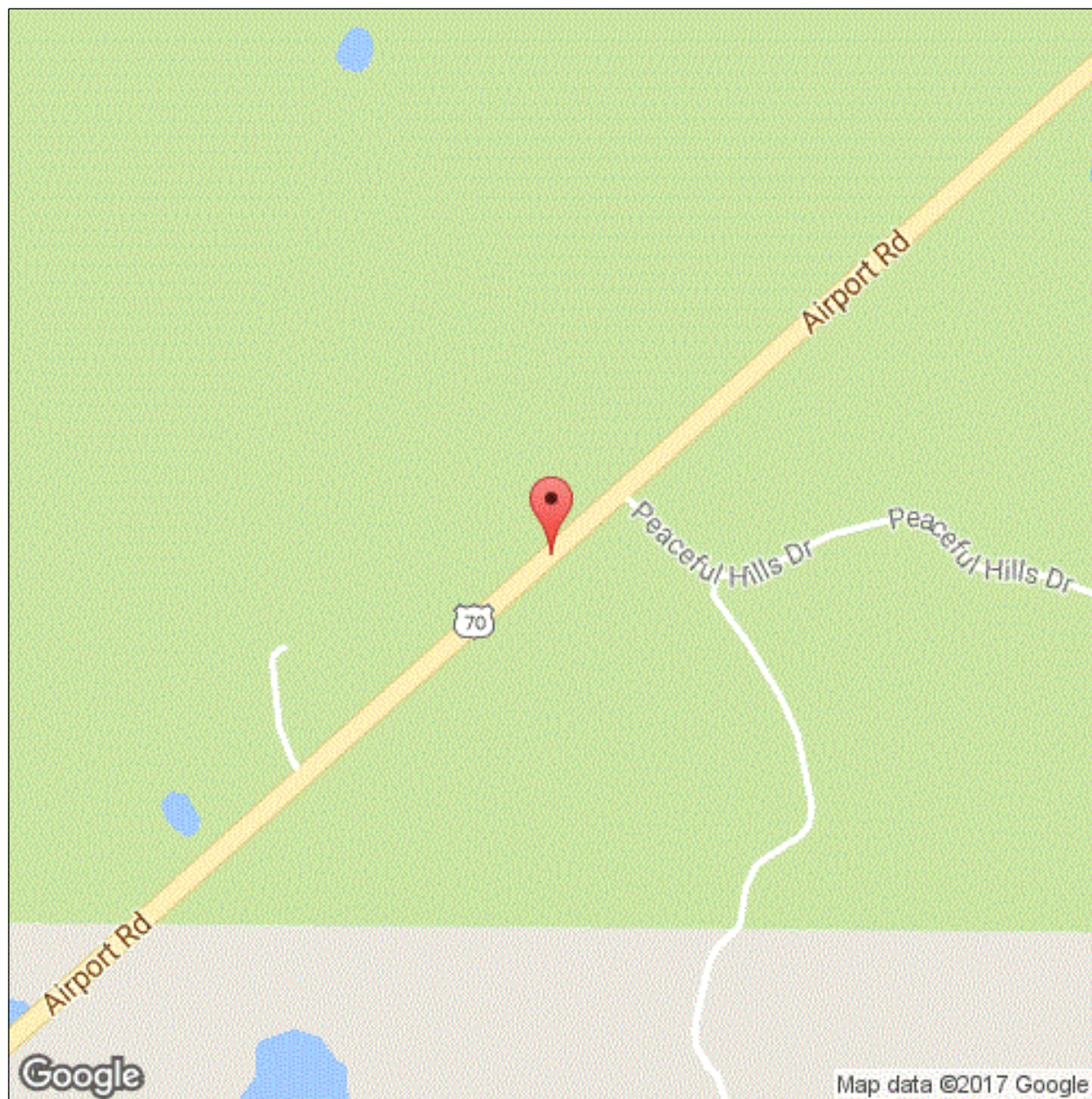
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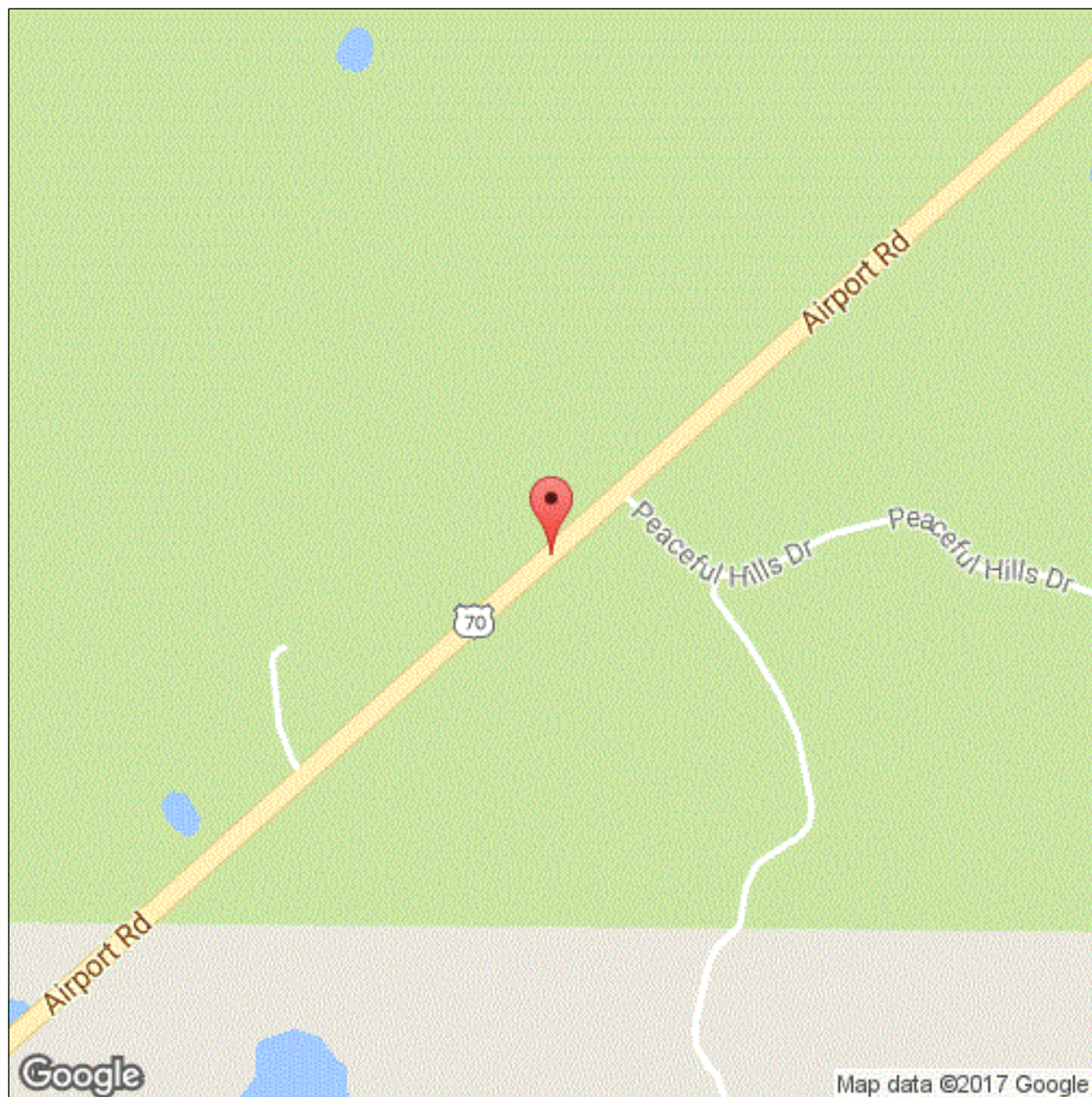
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### Executive Summary

job 1450 dwg 18560. Approach going east.

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## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/16/2017
(8) STRUCTURE NUMBER	A0397	(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 1.81		
(9) LOCATION	1.8MI E HOT SPRING COLIN		
(11) MILEPOINT 1.810	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000070080 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	34.41378 (17) LONGITUDE -93.32715		
(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 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	2 (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	4	
(42) TYPE OF SERVICE	ON 1 UNDER 5	(63) METHOD USED TO DETERMINE OPERATING RATING	
(28) LANES	ON 02 UNDER 00	60.0	
(29) AVERAGE DAILY TRAFFIC	5200 (19) BYPASS DETOUR LENGTH	20	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(65) METHOD USED TO DETERMINE INVENTORY RATING	
(109) AVERAGE DAILY TRUCK TRAFFIC	1	36.0	
GEOMETRIC DATA		(70) BRIDGE POSTING	
(48) LENGTH OF MAX SPAN (ft.)	36 (49) STRUCTURE LENGTH (ft.)	5	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(41) STRUCTURE OPEN/POSTED/CLOSED	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	29.9	A	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8		
(32) APPROACH ROADWAY WIDTH (ft.)	32.2		
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	0	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	99.99	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0		
PROPOSED IMPROVEMENTS		APPRAISAL	
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY	1	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	106.0	(67) STRUCTURAL EVALUATION	
(94) BRIDGE IMPROVEMENT COST (\$)	0	5	
(95) ROADWAY IMPROVEMENT COST (\$)	265	(68) DECK GEOMETRY	
(96) TOTAL PROJECT COST	699	3	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2001	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	
(114) FUTURE ADT	5783 (115) YEAR OF FUTURE ADT	2028	
		(71) WATERWAY ADEQUACY	
		8	
		(72) APPROACH ROADWAY ALIGNMENT	
		8	
		(36) TRAFFIC SAFETY FEATURE	
		36A) BRIDGE RAILINGS:	
		1	
		36B) TRANSITIONS:	
		0	
		36C) APPROACH GUARDRAIL:	
		0	
		36D) APPROACH GUARDRAIL ENDS:	
		0	
		(113) SCOUR CRITICAL BRIDGES	
		8	
		SUFFICIENCY RATING	
		55.9 STATUS	
		2	
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	
		Y	
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	
		0	
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	
		06	
		(100) STRAHNET HIGHWAY DESIGNATION	
		0	
		(101) PARALLEL STRUCTURE DESIGNATION	
		N	
		(102) DIRECTION OF TRAFFIC	
		2	
		(103) TEMP STRUCTURE	
		0	
		(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.	1398	sq. ft.	1395	3	0	0
Asphalt wearing surface has scattered cracks.							
1090 - Exposed Rebar		3		0	3	0	0
510 - Wearing Surfaces		1398	sq. ft.	848	550	0	0
3220 - Crack (Wearing Surface)		550		0	550	0	0
38 - Reinforced Concrete Slab	1- Ben.	944	sq. ft.	944	0	0	0
510 - Wearing Surfaces		753	sq. ft.	753	0	0	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	240	ft.	238	2	0	0
All girders have vertical hairline cracks.							
1080 - Delamination/Spall/Patched Area		1		0	1	0	0
1090 - Exposed Rebar		1		0	1	0	0
205 - Reinforced Concrete Column	1- Ben.	4	each	0	3	1	0
All columns have minor abrasion, column 3 has 2 exposed rebars on the backside, columns 2 & 3 the top of the footings are exposed.							
1090 - Exposed Rebar		1		0	0	1	0
1190 - Abrasion/Wear (PSC/RC)		3		0	3	0	0
215 - Reinforced Concrete Abutment	1- Ben.	108	ft.	83	23	2	0
Bt. 1 has 11 vertical cracks & 5' of efflorescence. Bt. 2 has spall & 8 vertical cracks.							
1080 - Delamination/Spall/Patched Area		2		0	0	2	0
1120 - Efflorescence/Rust Staining		5		0	5	0	0
1130 - Cracking (RC and Other)		18		0	18	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	33	ft.	33	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	160	ft.	148	12	0	0
Small cracks							
1130 - Cracking (RC and Other)		12		0	12	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: 08/16/2017

Priority: D - Routine

Work Code:

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Deficiency Description:

Drift built up on column 3 at Bt. 2.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

Assigned Garland 06261 9/27/17

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Stage: Open



PHOTO 1      Description      Drift built up on column 3 at Bt. 2.