

Bridge Inspection Report

M0982
SH53 S-0 LM 7.44
over
HOLLYWOOD CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

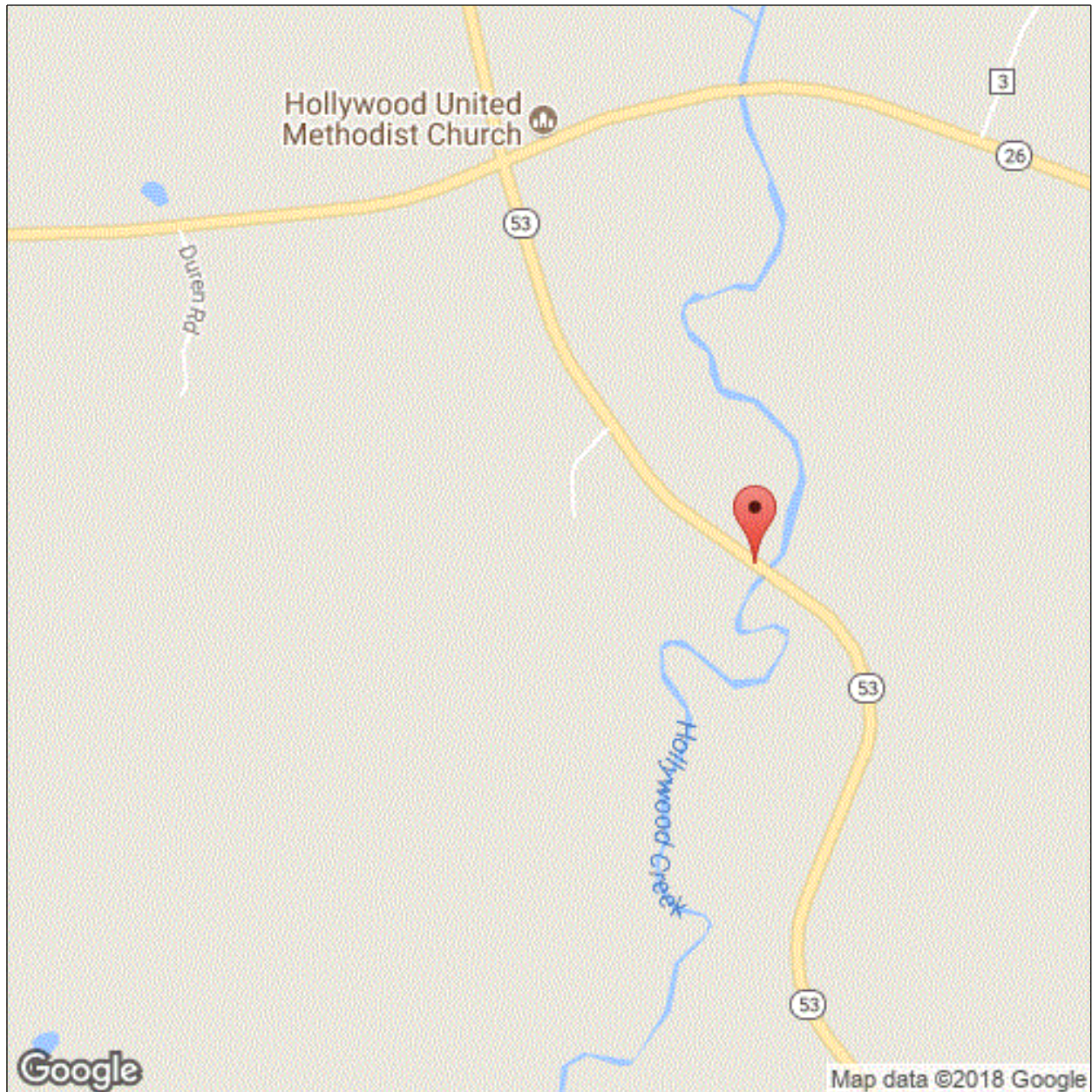
Structure Number: M0982

Inspection Date:

Facility Carried: SH53 S-0 LM 7.44

Bridge Inspection Report

Location Map



Latitude: 34.096747737448574

Longitude: -93.24317776521042

Inspector:

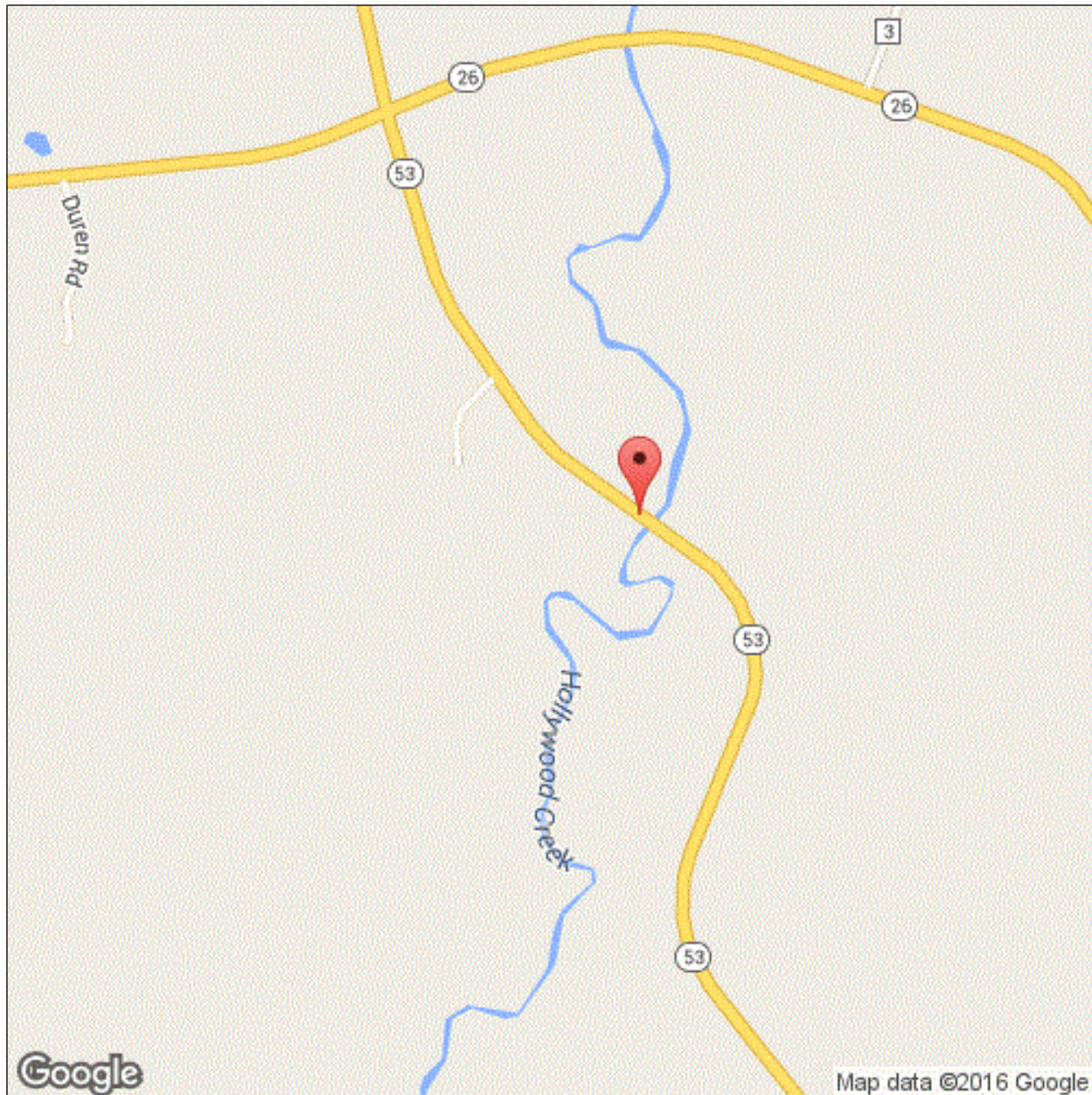
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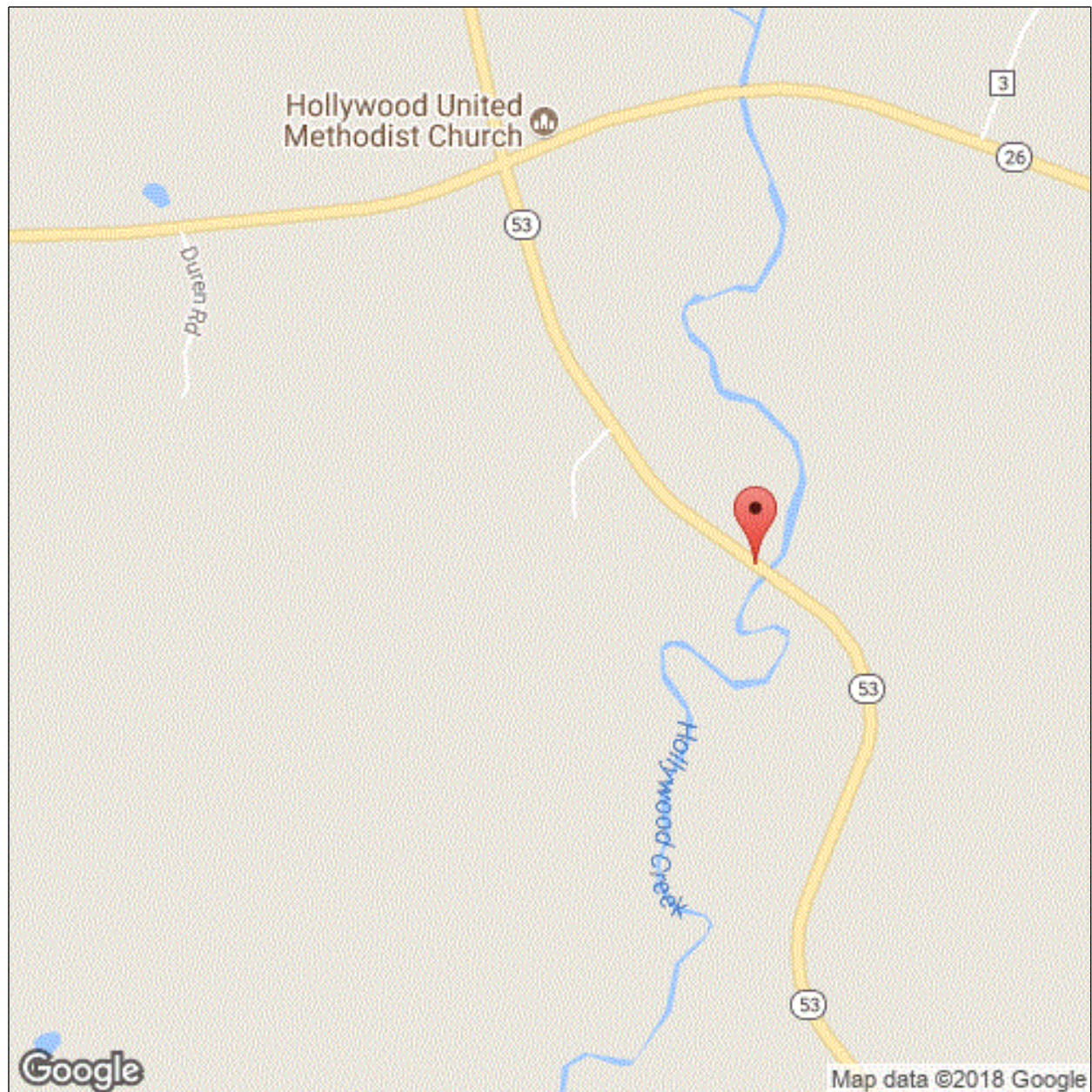
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Executive Summary

This structure is logged from North to South.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/06/2018
(8) STRUCTURE NUMBER	M0982	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 53 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 019	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	HOLLYWOOD CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH53 S-0 LM 7.44		
(9) LOCATION	.5 MI S JCT SH 26		
(11) MILEPOINT 7.440	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.09674773744857	(17) LONGITUDE -93.24317776521042		
(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
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(60) SUBSTRUCTURE	6
(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 4	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 2	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1964	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(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	49.1
(29) AVERAGE DAILY TRAFFIC 390	(19) BYPASS DETOUR LENGTH 7	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	30.0
(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.) 31.0	(49) STRUCTURE LENGTH (ft.) 124.0	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0	RIGHT 0	(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.3	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26.3	(71) WATERWAY ADEQUACY	6
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(72) APPROACH ROADWAY ALIGNMENT	7
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.6	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	79.9
		STATUS	0
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	07
(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
		(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

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(114) FUTURE ADT 362

(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
16 - Reinforced Concrete Top Flange	1- Ben.	3261	sq. ft.	3261			
	03/06/2018 JPR -- Chip Seal overlay wearing surface. PC Units all look good from soffit.						
510 - Wearing Surfaces		3013	sq. ft.	3013			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	868	ft.	868			
202 - Steel Column	1- Ben.	3	each	3			
	Supplemental piles, 2 bent 3 & 1 bent 4. Rust with some loss of paint. Column in bent 4 has paint failure with some minor section loss.						
515 - Steel Protective Coating		75	sq. ft.	0	50	25	
215 - Reinforced Concrete Abutment	1- Ben.	52	ft.	50	2	0	0
	03/06/2018 JPR -- Abutment 1 has scoured out back to backwall in the center of the abutment and is down to the bottom of the backwall boards.						
1130 - Cracking (RC and Other)		2			2		
228 - Timber Pile	1- Ben.	22	each	21	1	0	0
	03/06/2018 JPR -- Bent 2 Pile 2 rotten spot.						
1140 - Decay/Section Loss		1			1		
234 - Reinforced Concrete Pier Cap	1- Ben.	78	ft.	68	10	0	0
	Bent 3 cap cracked over pile 2, also cracked between pile 1 and helper column 1, and again 1 1/2' Rt. of pile 2. Bent 4 cap cracked over pile 3						
1130 - Cracking (RC and Other)		10			10		
330 - Metal Bridge Railing	1- Ben.	248	ft.	248			

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Pictures

PHOTO 2

Description

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 03/06/2018

Priority: C - Important

Work Code:

Deficiency Description:

03/06/2018 JPR -- Bents 3 and 4 have heavy drift built up against them @ pile 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Drift bents 3 and 4.

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Maintenance Needs

Date Reported: 03/06/2018

Priority: D - Routine

Work Code:

Deficiency Description:

03/06/2018 JPR -- There is scour under Rt. approach guardrail at abutment 1. Also scoured up to back of guardrail on Lt. @ abutment 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Scour at abutment 1.

Stage: Open



PHOTO 2 Description Erosion right side at abutment 1

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Maintenance Needs

Date Reported: 03/06/2018

Priority: D - Routine

Work Code:

Deficiency Description:

03/06/2018 JPR -- Bent 2 pile 2 has a rotten spot.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 2 Pile 2 rotten spot