

Bridge Inspection Report

**06450
US 82 S-7 LM 12.07
over
BIG SLOUGH**



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

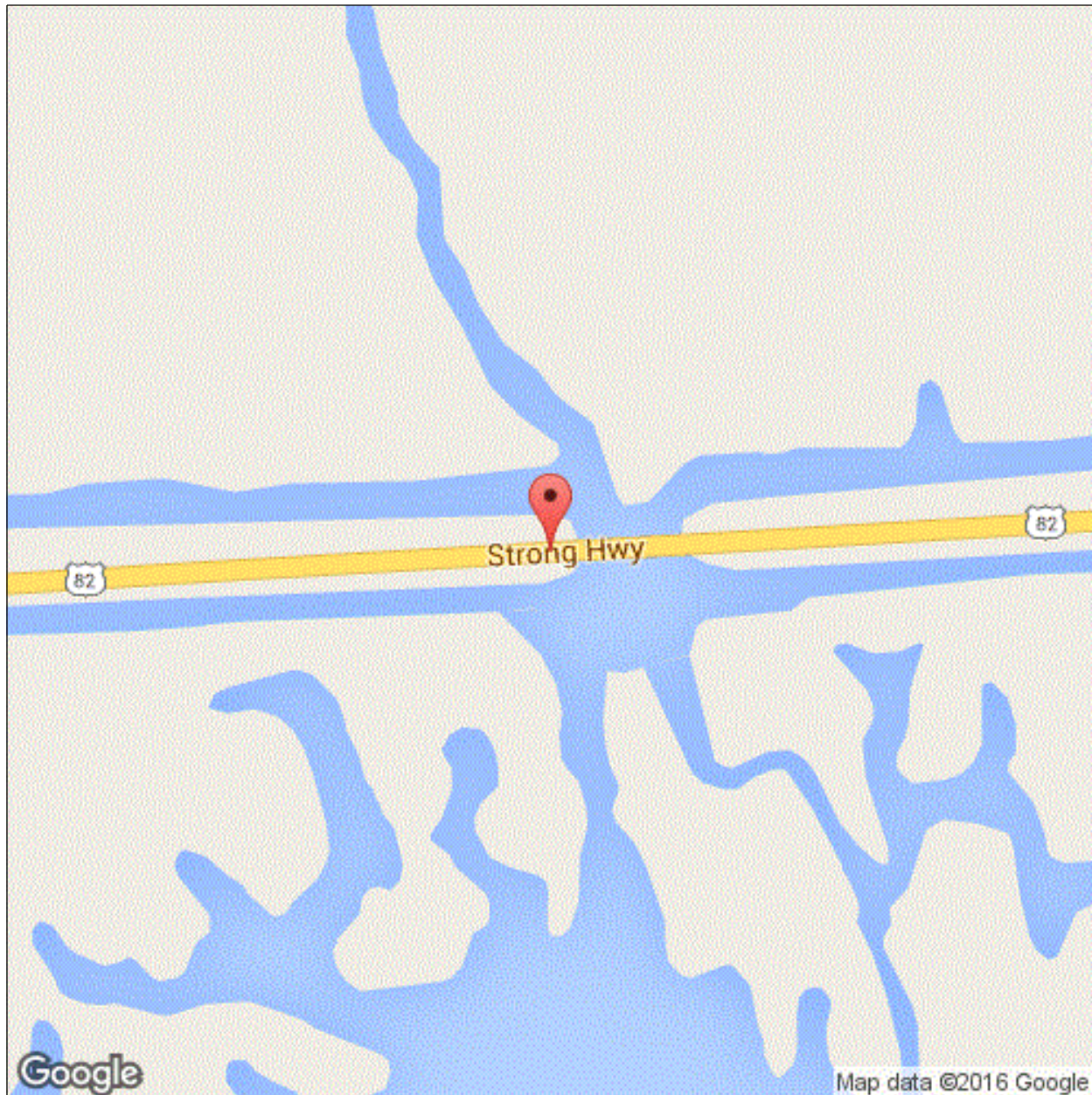
Structure Number: 06450

Inspection Date:

Facility Carried: US 82 S-7 LM 12.07

Bridge Inspection Report

Location Map



Latitude: 33.14818

Longitude: -92.16084

Inspector:

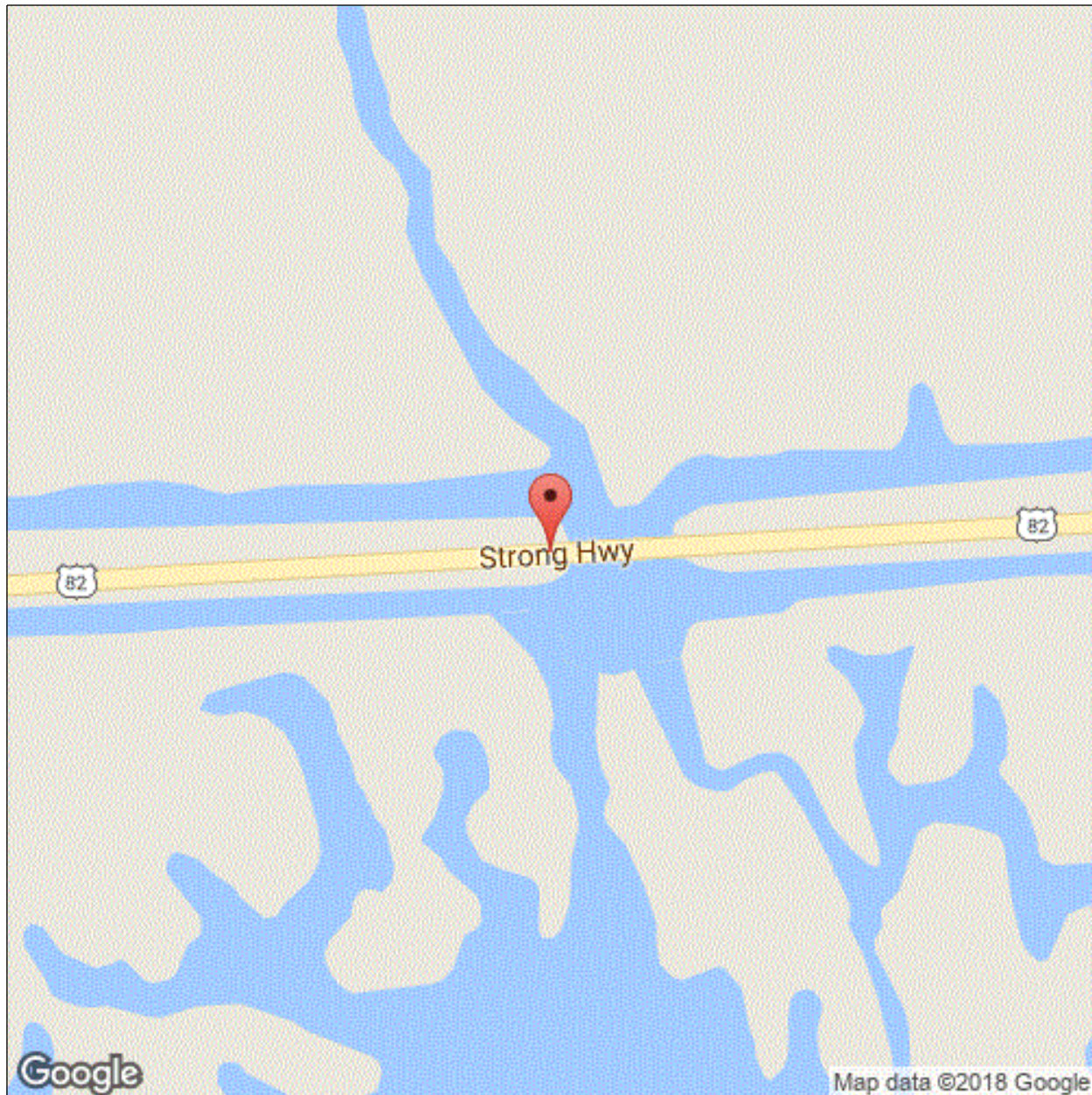
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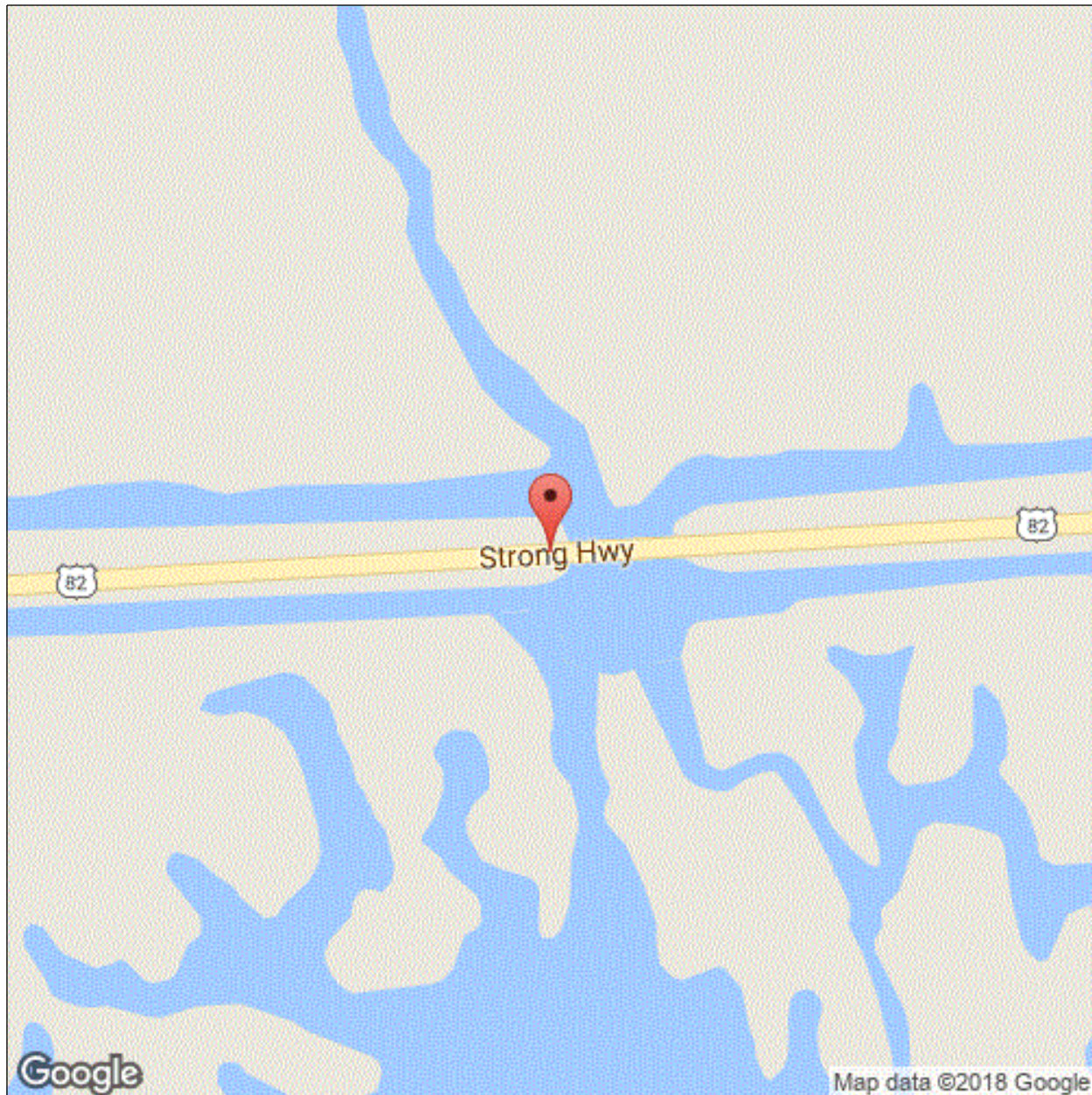
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Executive Summary

Logged west to east.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/26/2018
(8) STRUCTURE NUMBER	06450	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 82 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 139	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BIG SLOUGH	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 82 S-7 LM 12.07		
(9) LOCATION	3.03 MI SW OF ASHLEY CO		
(11) MILEPOINT 12.078	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000082070 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	33.14818 (17) LONGITUDE -92.16084		
(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: 5 - Prestressed concrete		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	8
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	8
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	7 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
	9		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1997 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	5
(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	60.0
(29) AVERAGE DAILY TRAFFIC	2800 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC	21	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	70 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.0	36B) TRANSITIONS:	1
(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	94.5 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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(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
(114) FUTURE ADT	3305 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(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.	19684	sq. ft.	19074	610		
Minor hairline cracking in the Top Flange all spans.							

109 - Prestressed Concrete Open Girder/Beam	1- Ben.	2953	ft.	2953			
205 - Reinforced Concrete Column	1- Ben.	24	each	24			
215 - Reinforced Concrete Abutment	1- Ben.	82	ft.	82			
220 - Reinforced Concrete Pile Cap/Footing	1- Ben.	228	ft.	228			
227 - Reinforced Concrete Pile	1- Ben.	40	each	40			
234 - Reinforced Concrete Pier Cap	1- Ben.	249	ft.	249			
302 - Compression Joint Seal	1- Ben.	344	ft.	266	0	78	0
All compression joint material is split and torn at the Lt. white line.							

2330 - Seal Damage		78				78	
311 - Movable Bearing	1- Ben.	42	each	42			
313 - Fixed Bearing	1- Ben.	42	each	42			
321 - Reinforced Concrete Approach Slab	1- Ben.	3024	sq. ft.	3024			
331 - Reinforced Concrete Bridge Railing	1- Ben.	984	ft.	984			

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Pictures

PHOTO 1

Description

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/29/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Terminal end post, Left end from abutment 2.
Collision damage to terminal end post @ terminal end section.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Terminal end post, collision damage.

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Maintenance Needs

Date Reported: 2/29/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 2, girders # 2-3-4.
Anchor nuts missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 2 girders 2, 3, and 4, anchor nuts missing.

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Maintenance Needs

Date Reported: 2/29/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 1, cap and masonry plate, Lt side

Dirt and debris on cap and against masonry plate, thus causing premature aging and rust.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1	Description	Abutment 1 cap and masonry plate are prematurely rusting due to dirt and debris built up on them.
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