

Bridge Inspection Report

01447
SH 367 White Co.
over
CANE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

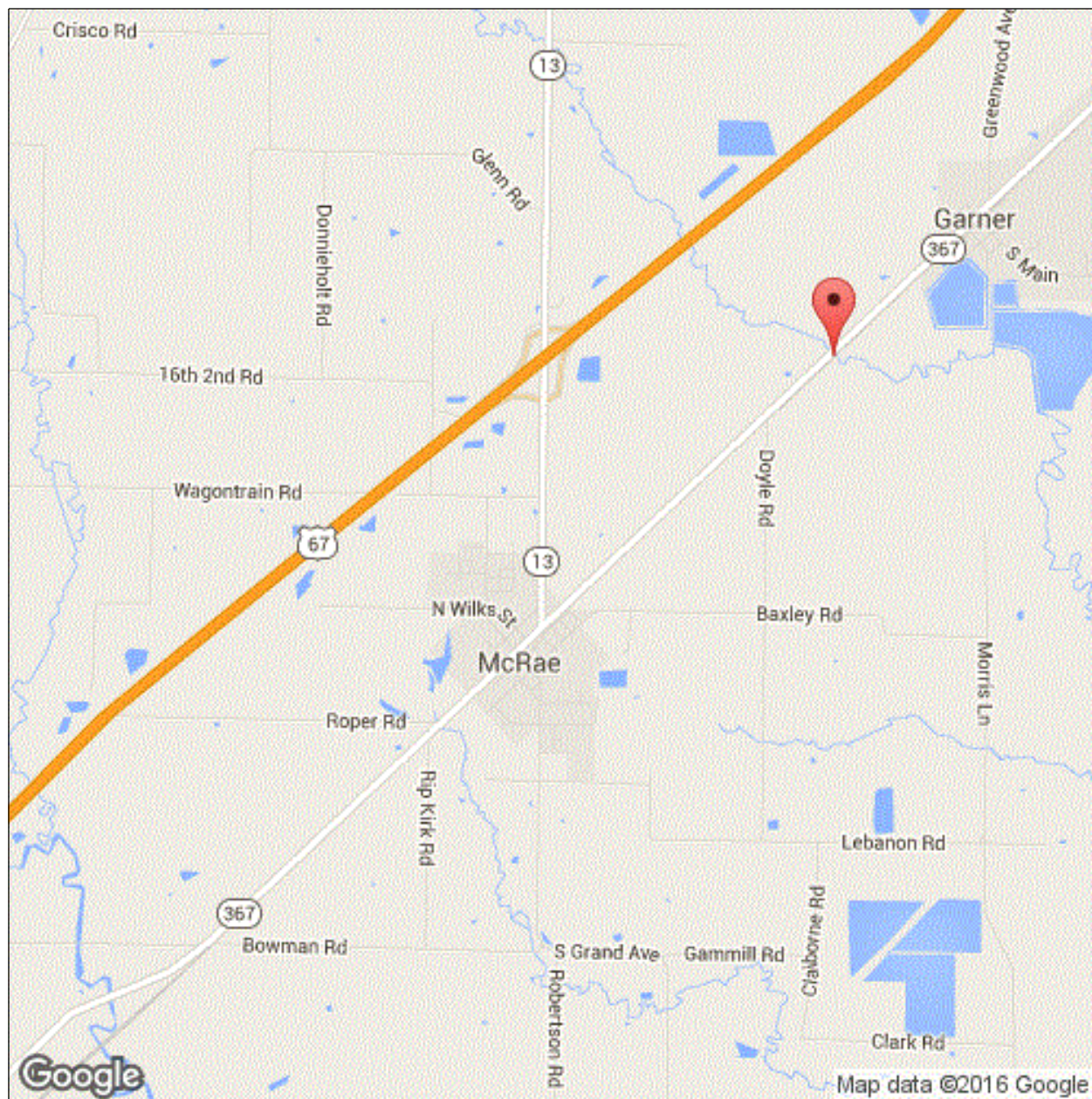
Structure Number: 01447

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Location Map



Latitude: 35.13272

Longitude: -91.79762

Inspector:

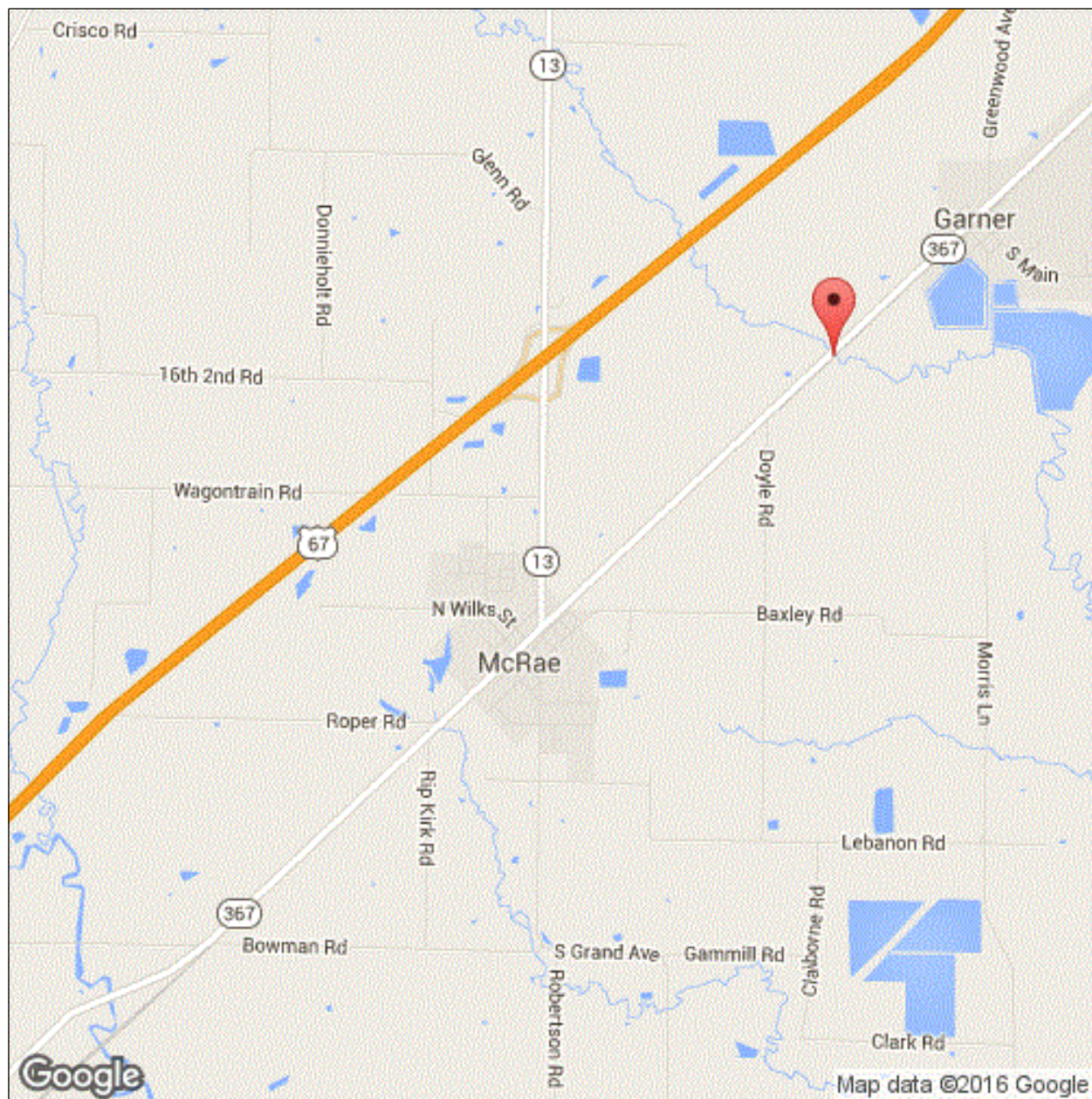
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Location Map



Latitude: 35.13272

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Bridge Inspection Report

Executive Summary

Log Mile running Northeast.

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/11/2018
(8) STRUCTURE NUMBER	01447	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CANE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 White Co.		
(9) LOCATION	1.50 MI NE JCT OF SH 371		
(11) MILEPOINT 10.438	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.13272	(17) LONGITUDE -91.79762		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
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 4	(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 1930	(106) YEAR RECONSTRUCTED 0000	(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	41.0
(29) AVERAGE DAILY TRAFFIC 1200	(19) BYPASS DETOUR LENGTH 14	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	25.0
(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.) 35	(49) STRUCTURE LENGTH (ft.) 140	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.7 RIGHT 1.7		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 31		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(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.) 30.8		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:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	72.9 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
(114) FUTURE ADT 1762	(115) YEAR OF FUTURE ADT 2028	(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
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

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Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	3906	sq. ft.	3865	36	5	0
	Asphalt is cracked at all joints. Efflorescent cracks some with rust stains to soffit.. Span 2 - Spall with 3' rebar exposed to soffit. Span 3 - Spall with 6" rebar exposed to soffit. Delaminated area to soffit between Girders 3 & 4 @ Span 2.						
1080 - Delamination/Spall/Patched Area		6		0	6	0	0
1090 - Exposed Rebar		3		0	0	3	0
1120 - Efflorescence/Rust Staining		32		0	30	2	0
510 - Wearing Surfaces		3906	sq. ft.	3430	0	476	0
3220 - Crack (Wearing Surface)		476		0	0	476	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	552	ft.	539	0	13	0
	Spans 1 - 4 - Rebar high chairs exposed to bottom of Girder 1. Bent 1 - Spalls with 5' rebar exposed to diaphragms between Girders 1-3. Span 3 - Spall with 6" rebar exposed to haunch at Girder 4 at beginning of span. Spall with 1' rebar exposed to Girder 2 at end of span. Spall with 1' rebar exposed to haunch under Girder 3. Spall with 7' rebar exposed to Girder 4. Span 4 - Span with 6" rebar exposed to Girder 2 at beginning of span. Spall with 3' rebar exposed to Girder 4 at end of span. All Girders have minor flexure cracks.						
1090 - Exposed Rebar		13		0	0	13	0
205 - Reinforced Concrete Column	1- Ben.	6	each	2	0	4	0
	Severe abrasion to Column 1 @ Bent 1. Spall with rebar exposed to Columns 2 & 3 @ Bent 1. Cracking to top of Column 1 @ Bent 2.						
1090 - Exposed Rebar		2		0	0	2	0
1130 - Cracking (RC and Other)		1		0	0	1	0
1190 - Abrasion/Wear (PSC/RC)		1		0	0	1	0
210 - Reinforced Concrete Pier Wall	1- Ben.	65	ft.	63	0	2	0
	Spalls with rebar exposed to Pier Walls @ Bents 1 & 3.						
1090 - Exposed Rebar		2		0	0	2	0
215 - Reinforced Concrete Abutment	1- Ben.	116	ft.	95	19	2	0
	Minor cracking, with some efflorescence & rust to abutments.						
1080 - Delamination/Spall/Patched Area		10		0	10	0	0
1120 - Efflorescence/Rust Staining		7		0	5	2	0
1130 - Cracking (RC and Other)		4		0	4	0	0

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Element Inspection

234 - Reinforced Concrete Pier Cap	1- Ben.	80	ft.	73	1	6	0
	Bent 1 - Spall with 6" rebar exposed to back side of cap. Spalls with 1' rebar exposed to ahead side. Spall with rebar exposed to haunch on ahead side of Girder 3 Bent 1. Spall with rebar exposed to haunch on ahead side of Girder 4 @ Bent 2. Bent 2 - Efflorescent map cracking to Left end of cap. Bent 3 - Vertical efflorescent crack to cap.						
1090 - Exposed Rebar		4		0	0	4	0
1120 - Efflorescence/Rust Staining		2		0	0	2	0
1130 - Cracking (RC and Other)		1		0	1	0	0
311 - Movable Bearing	1- Ben.	8	each	6	0	2	0
	Rusting.						
1000 - Corrosion		2		0	0	2	0
330 - Metal Bridge Railing	1- Ben.	280	ft.	140	140	0	0
	Minor corrosion to Left & Right bridge rails & posts.						
1000 - Corrosion		140		0	140	0	0
515 - Steel Protective Coating		840	sq. ft.	0	420	420	0
3440 - Effectiveness (Steel Protective Coatings)		840		0	420	420	0

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 01447

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Pictures

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 01447

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 01447

Inspection Date:

Facility Carried: SH 367 White Co.

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to deck below at Spans 2 & 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical spalls with rebar exposed to deck below between Girders 2-4 at Spans 3 & 4.

Inspector:

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Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to Girders 2 & 4 at Span 3.

Spalls with rebar exposed to Girders 2 & 4 at Span 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 3, Girder 4 at beginning of span has Spall with 1' rebar exposed to concrete haunch, concrete diaphragm has spall with rebar exposed & Girder has spall with 3' rebar exposed.

Stage: Assigned



PHOTO 2 Description Spalls with rebar exposed to Girders 2 & 4 at Span 4

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls to concrete diaphragms between Girders 1 - 3 at Span 2.

Spalls with rebar exposed to cap at Bent 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls to concrete diaphragm between Girders 1-3 at Span 2.

Stage: Assigned



PHOTO 2 Description Spalls with rebar exposed to cap at Bent 1.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/11/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to concrete haunch below Girder 3 at Bent 1 & Girder 4 at Bent 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 3, Girder 4 at beginning of span has Spall with 1' rebar exposed to concrete haunch, concrete diaphragm has spall with rebar exposed & Girder has spall with 3' rebar exposed.

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Maintenance Needs

Date Reported: 6/10/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Scour developing at Abutment 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Scour developing at Abutment 1.