

Bridge Inspection Report

A0707
US 70-6 Log 3.95
over
Sugar Loaf Creek



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

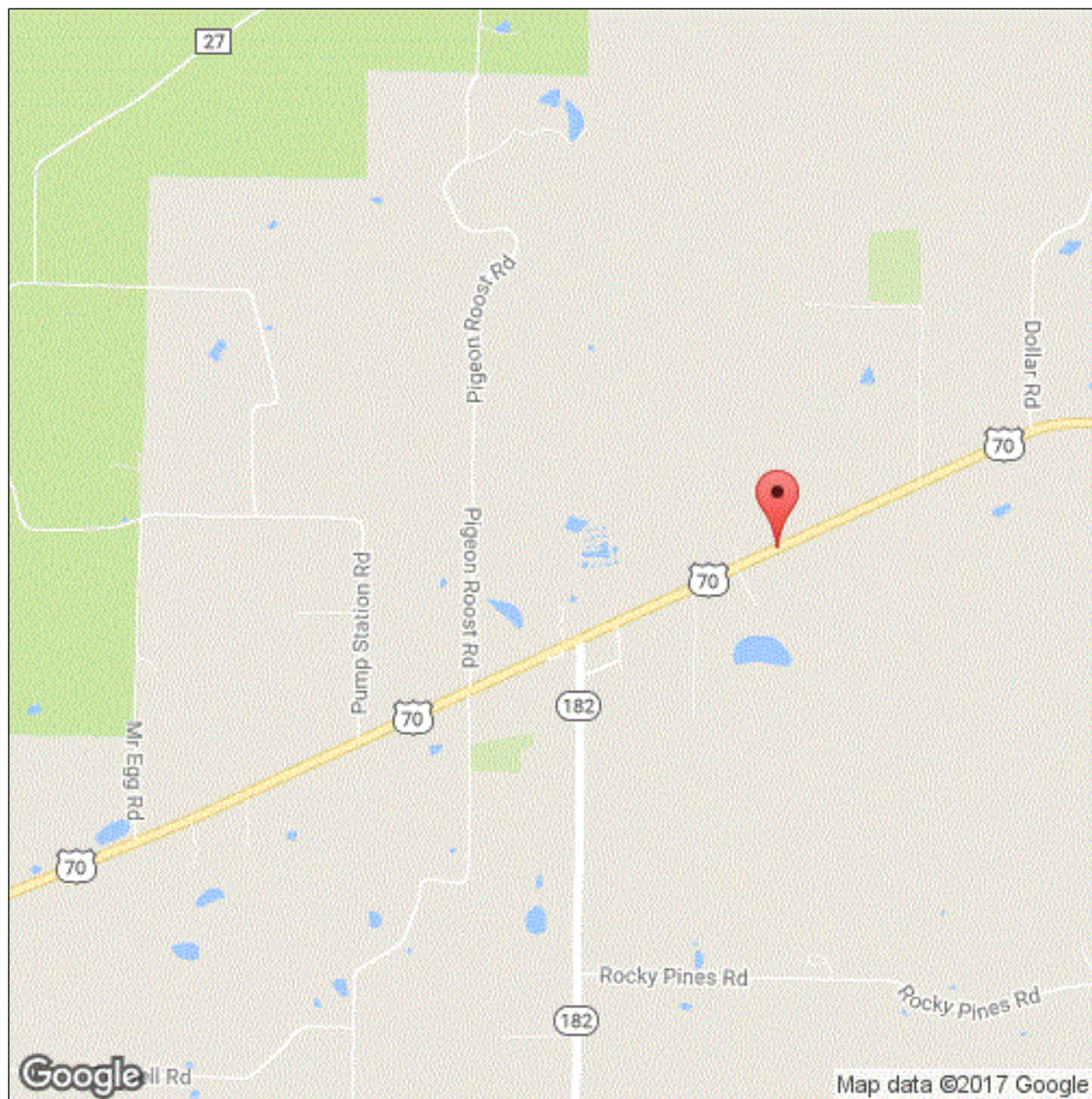
Structure Number: A0707

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Bridge Inspection Report

Location Map



Latitude: 34.36854

Longitude: -93.43954

Inspector:

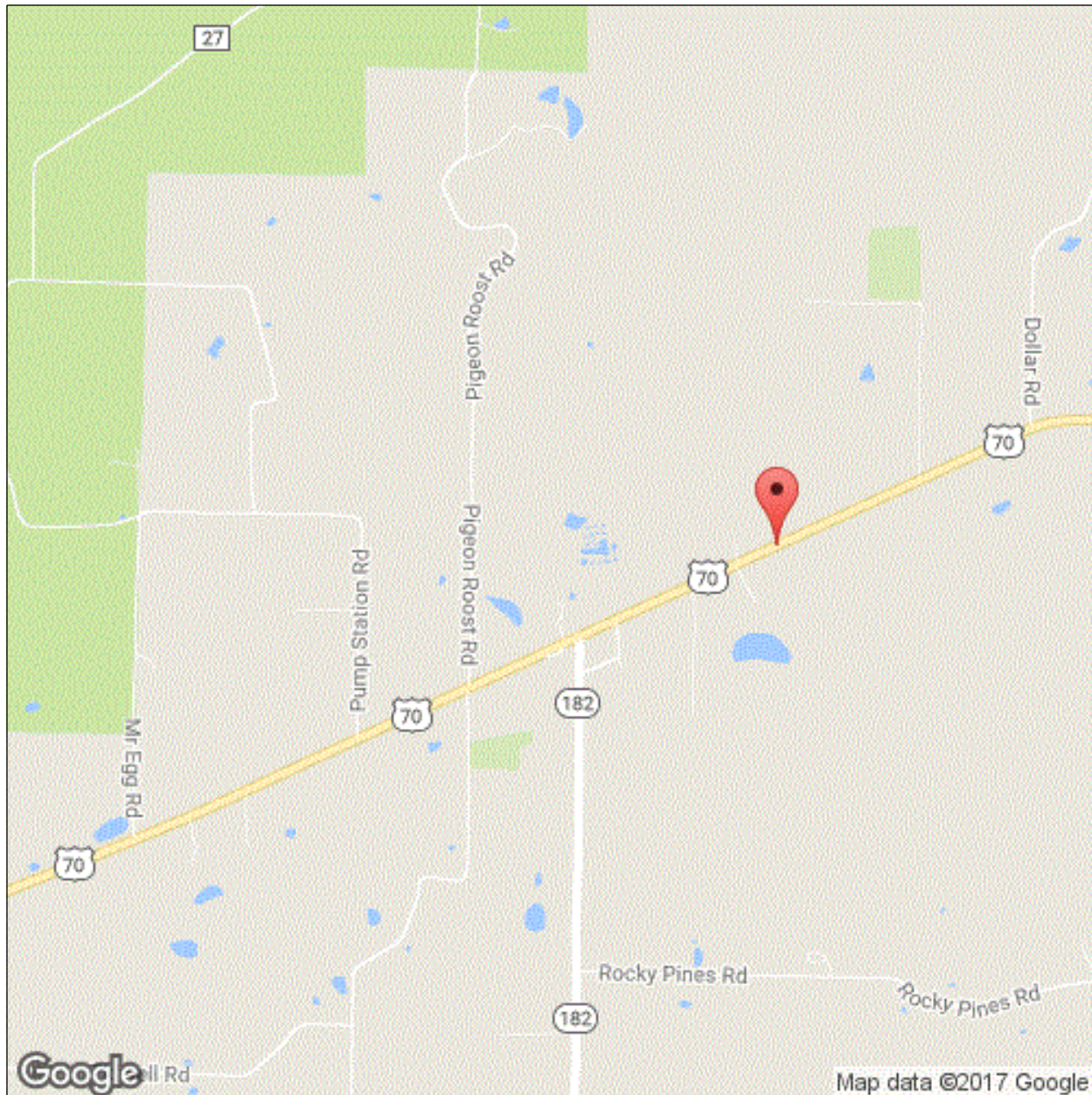
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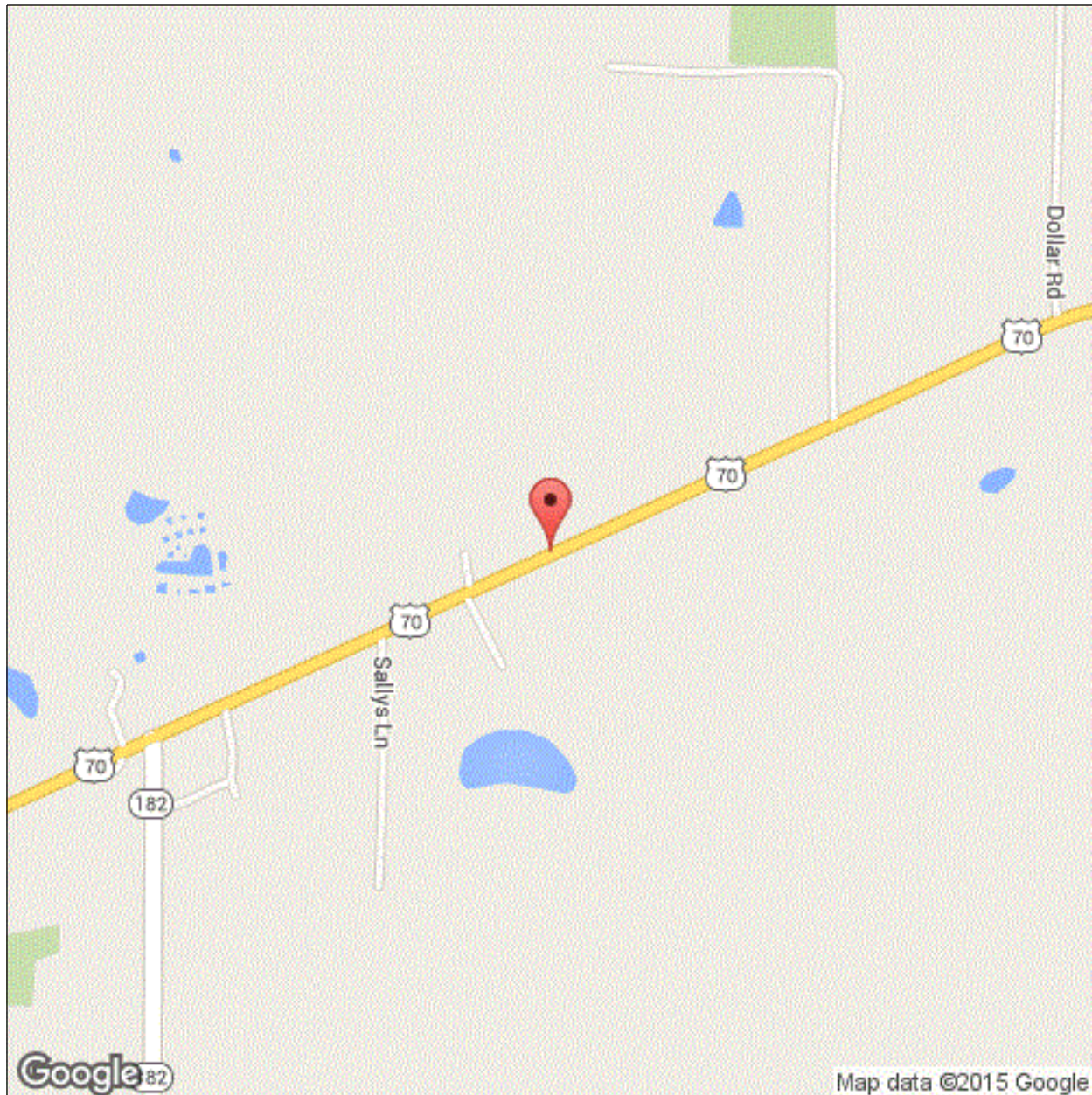
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Executive Summary

Job 1450, drawing # 18535 is the layout sheet.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/13/2017
(8) STRUCTURE NUMBER	A0707	(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	08 (3) COUNTY CODE 097	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Sugar Loaf Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 70-6 Log 3.95		
(9) LOCATION	1.88 M W Hot Springs Co L		
(11) MILEPOINT 3.950	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000070060 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.36854	(17) LONGITUDE -93.43954		
(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 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 1954	(106) YEAR RECONSTRUCTED 1975	(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	60.0
(29) AVERAGE DAILY TRAFFIC 5300	(19) BYPASS DETOUR LENGTH 1	(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 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 34	(49) STRUCTURE LENGTH (ft.) 69	(67) STRUCTURAL EVALUATION	6
(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.) 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:	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	78.4 STATUS 2
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	06
(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	0000	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 6030	(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.	1347	sq. ft.	1320	26	1	0
Exposed rebar on the right side of span 1							
1090 - Exposed Rebar		1		0	0	1	0
1130 - Cracking (RC and Other)		26		0	26	0	0
510 - Wearing Surfaces		1347	sq. ft.	922	425	0	0
3220 - Crack (Wearing Surface)		425		0	425	0	0
38 - Reinforced Concrete Slab	1- Ben.	910	sq. ft.	910	0	0	0
510 - Wearing Surfaces		726	sq. ft.	278	448	0	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	207	ft.	144	63	0	0
All girders have small cracks							
1130 - Cracking (RC and Other)		63		0	63	0	0
205 - Reinforced Concrete Column	1- Ben.	4	each	0	1	3	0
Columns 1,2&3 have exposed rebar							
1090 - Exposed Rebar		3		0	0	3	0
1190 - Abrasion/Wear (PSC/RC)		1		0	1	0	0
215 - Reinforced Concrete Abutment	1- Ben.	96	ft.	85	8	3	0
Both abutments have small vertical cracks and abutment 2 has large spall and delam on left side.							
1080 - Delamination/Spall/Patched Area		3		0	0	3	0
1130 - Cracking (RC and Other)		8		0	8	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	33	ft.	31	0	2	0
1090 - Exposed Rebar		2		0	0	2	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	155	ft.	155	0	0	0

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Pictures

PHOTO 1

Description

PHOTO 2

Description

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/21/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Both gutter lines have dirt & debris restricting water flow to scupper drains

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assigned Garland 06261 1/3/17
Completed

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Maintenance Needs

Date Reported: 8/21/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 2 column 1,2 & 3 have spalls with exposed rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 2 column 3 lager spall with exposed rebar