

Bridge Inspection Report

06372

US 270- 5 McCloed

over

STOKES CR & McCLOED DR



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

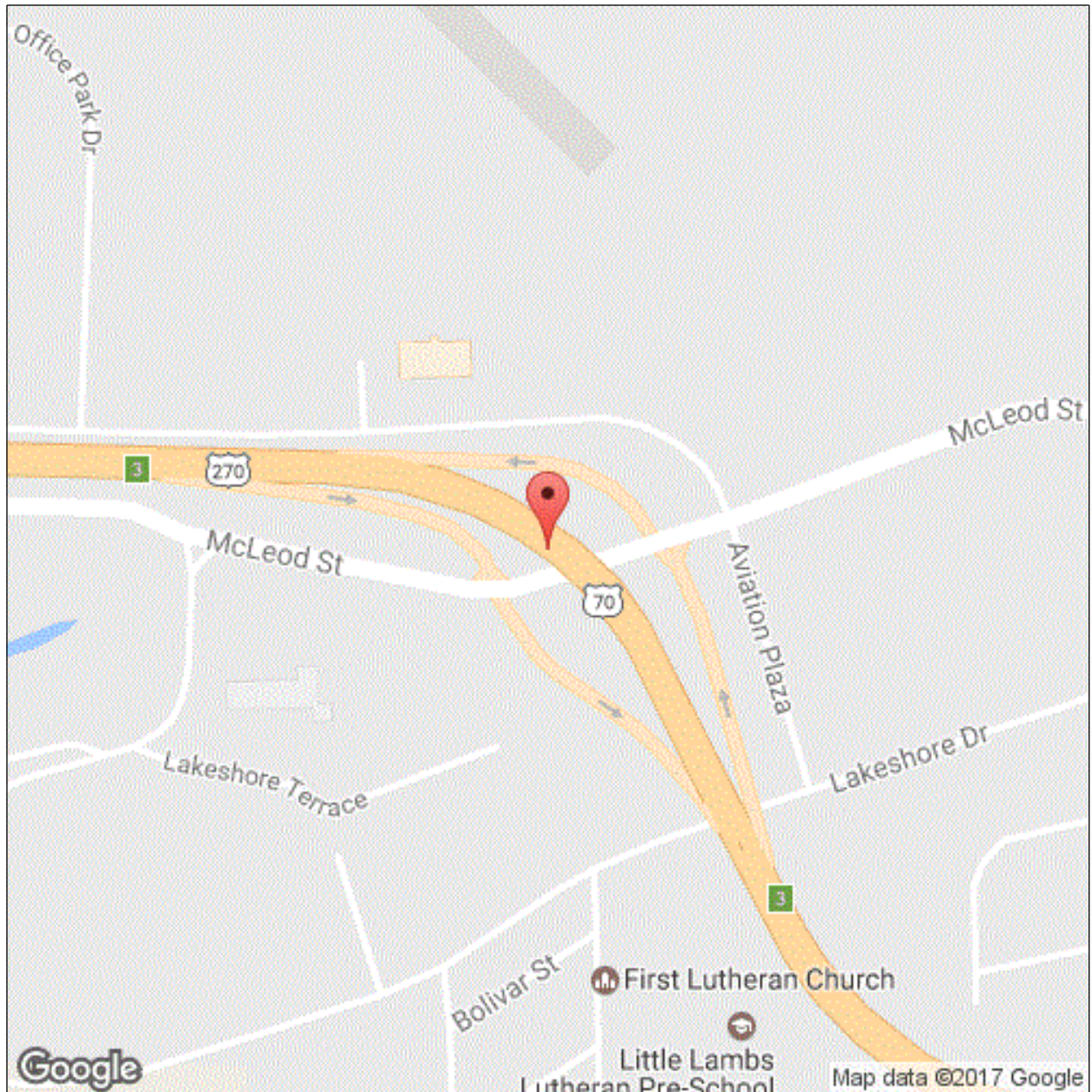
Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Location Map



Latitude: 34.470407253585165

Longitude: -93.08985358895495

Inspector:

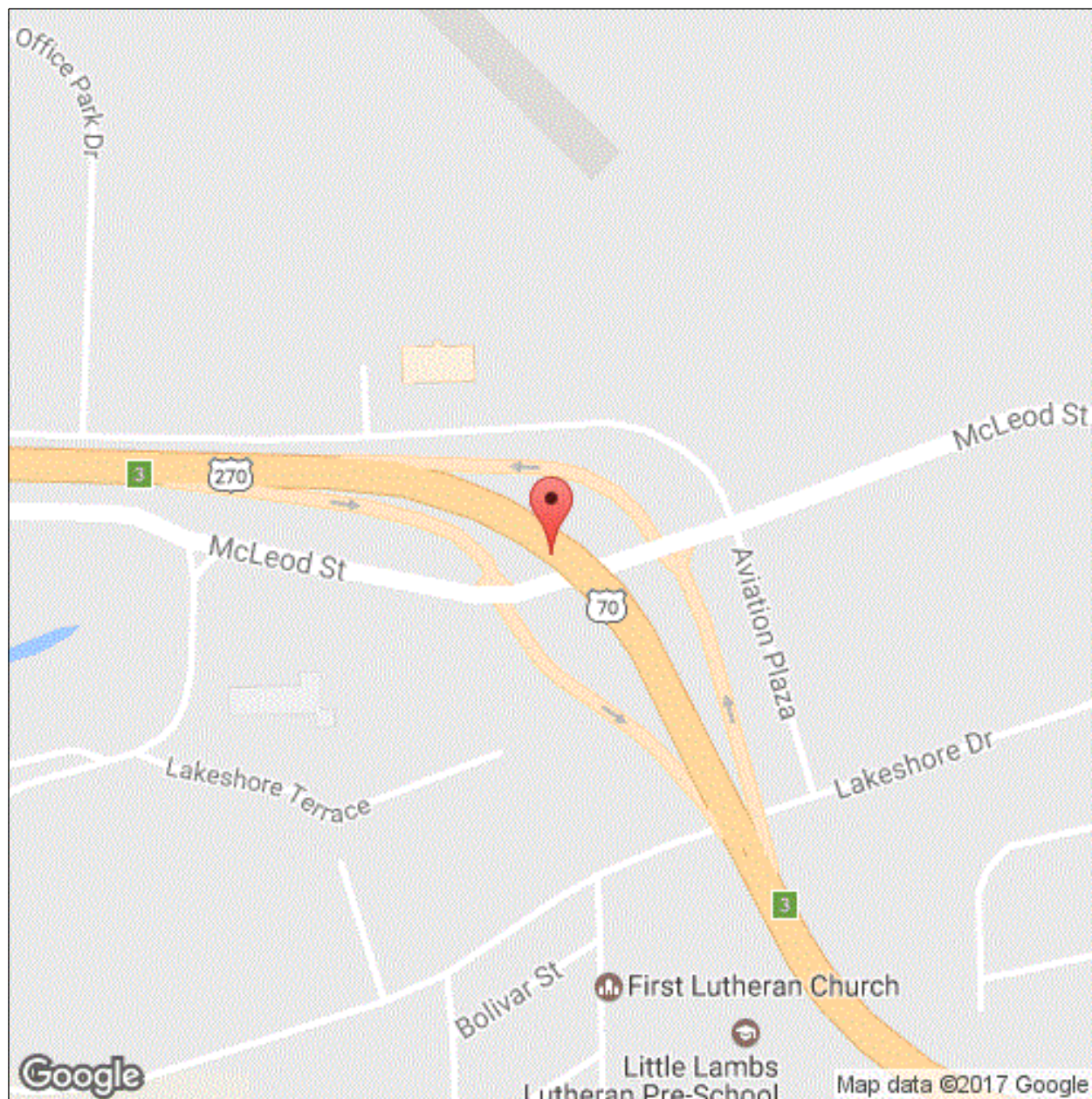
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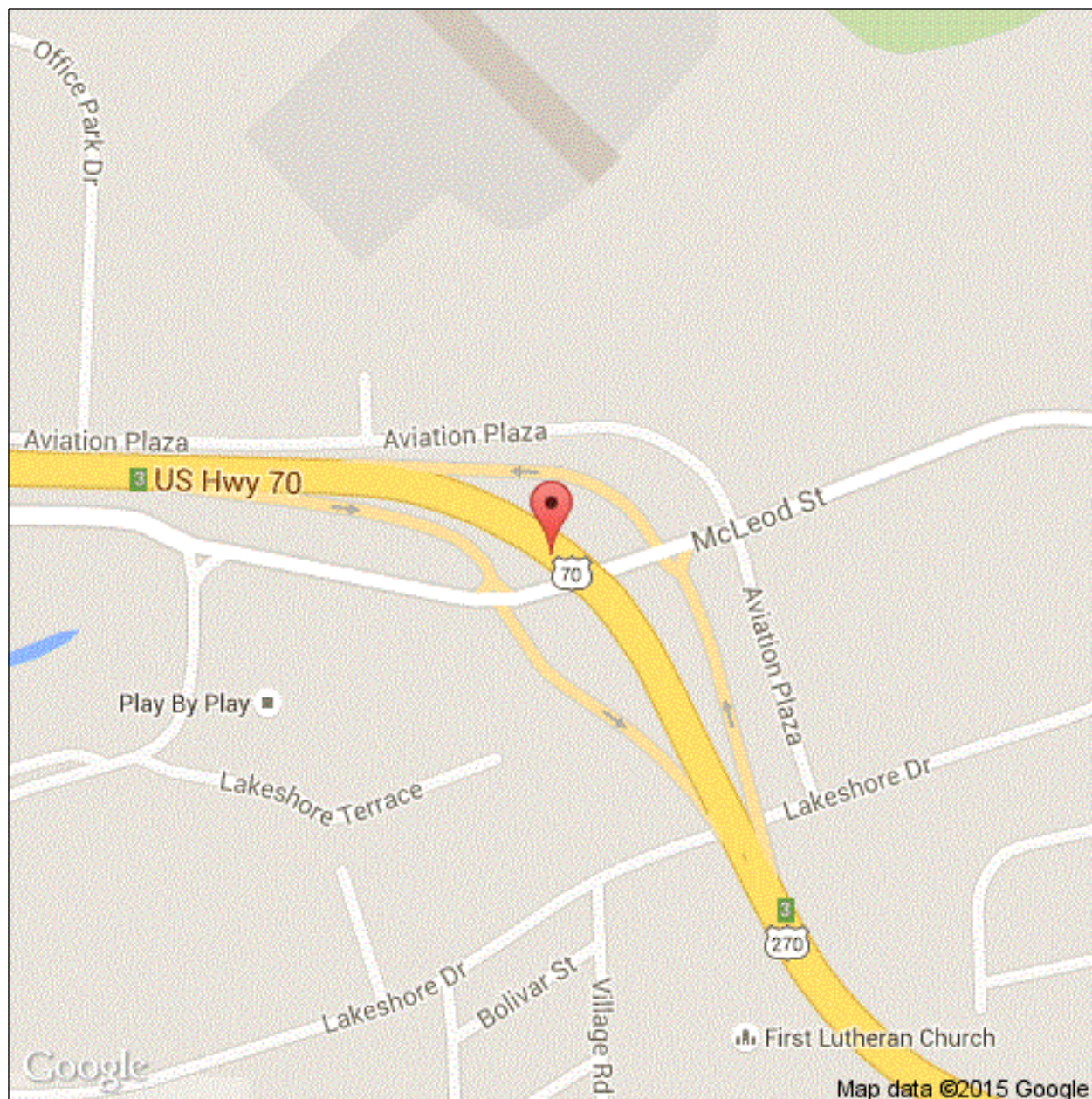
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Executive Summary

Approach looking East Job#60103 drwg#31550

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/22/2017
(8) STRUCTURE NUMBER	06372	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 270 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 051	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	32540	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	STOKES CR & McCLOED DR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 270- 5 McCloed		
(9) LOCATION	.25 MI E Lakeshore Dr.		
(11) MILEPOINT 21.020	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000270050 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.47040725358516	(17) LONGITUDE -93.08985358895495		
(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: 3 - Steel		(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 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1992	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 6		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 04 UNDER 03		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 42000	(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.) 96	(49) STRUCTURE LENGTH (ft.) 367	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	9
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 80.1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.) 84.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 80.1		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 3	(34) SKEW (DEG.) 26	(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.) 41.0		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 15.65		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 21.8		(113) SCOUR CRITICAL BRIDGES	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 20.8		SUFFICIENCY RATING	94.1
		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	14
(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	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

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National Bridge Inventory

(114) FUTURE ADT 27603

(115) YEAR OF FUTURE ADT 2028

(40) NAV HORIZONTAL CLEARANCE (ft.) 0

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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.	30963	sq. ft.	27125	3838	0	0
1080 - Delamination/Spall/Patched Area		3		0	3	0	0
1130 - Cracking (RC and Other)		3835		0	3835	0	0
107 - Steel Open Girder/Beam	1- Ben.	4015	ft.	4015	0	0	0
515 - Steel Protective Coating		34796	sq. ft.	0	34796	0	0
3410 - Chalking (Steel Protective Coatings)		34790		0	34790	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		6		0	6	0	0
205 - Reinforced Concrete Column	1- Ben.	16	each	16	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	210	ft.	188	22	0	0
Cracks in both abutments							
1130 - Cracking (RC and Other)		22		0	22	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	339	ft.	339	0	0	0
302 - Compression Joint Seal	1- Ben.	534	ft.	0	534	0	0
All joint seals are leaking.							
2310 - Leakage		534		0	534	0	0
310 - Elastomeric Bearing	1- Ben.	110	each	110	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	1095	ft.	1007	88	0	0
1130 - Cracking (RC and Other)		88		0	88	0	0

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

Description

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Bridge Inspection Report

Pictures

PHOTO 2

Description

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/02/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Deck east and westbound has minor spalls.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06372

Inspection Date:

Facility Carried: US 270- 5 McCloed

Bridge Inspection Report

Maintenance Needs

Date Reported: 06/02/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Right bridge rail going east has a large spall with rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Spall in concrete railing.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/02/2015

Priority: C - Important

Work Code:

Deficiency Description:

Deck has large unsealed cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Deck has unsealed cracks.

Stage: Monitor



PHOTO 2 Description Span 1 large unsealed crack. Common all spans.

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Maintenance Needs

Date Reported: 05/22/2017

Priority: C - Important

Work Code:

Deficiency Description:

All joints have lost bond and are leaking.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 3 joint seal has lost bond and leaking. Common all bents.