

Bridge Inspection Report

07013
SH 118-02-LM 6.23
over
I-555 - Sec. 02



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

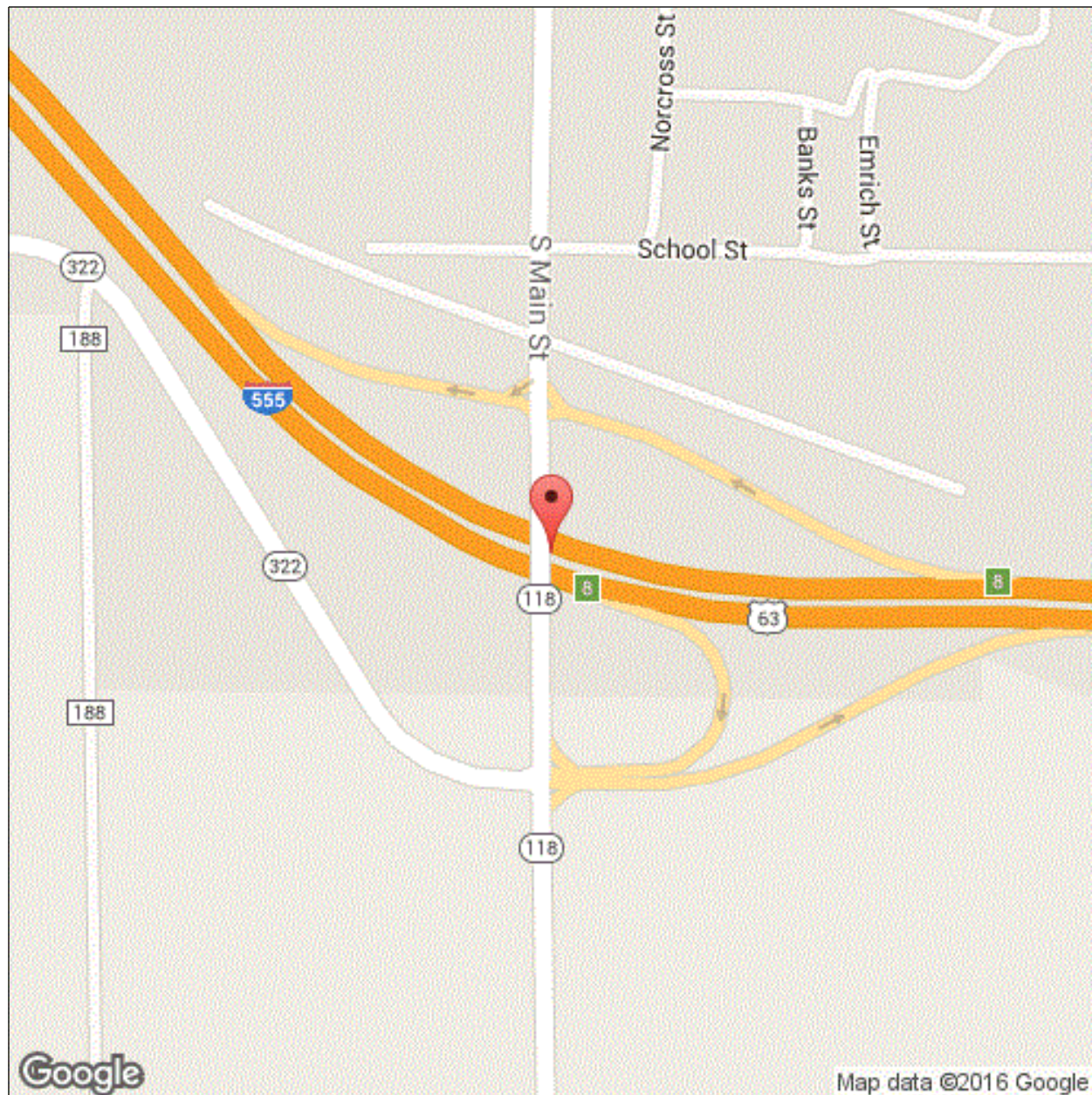
Structure Number: 07013

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Facility Carried: SH 118-02-LM 6.23

Bridge Inspection Report

Location Map



Latitude: 35.48082

Longitude: -90.35870

Inspector:

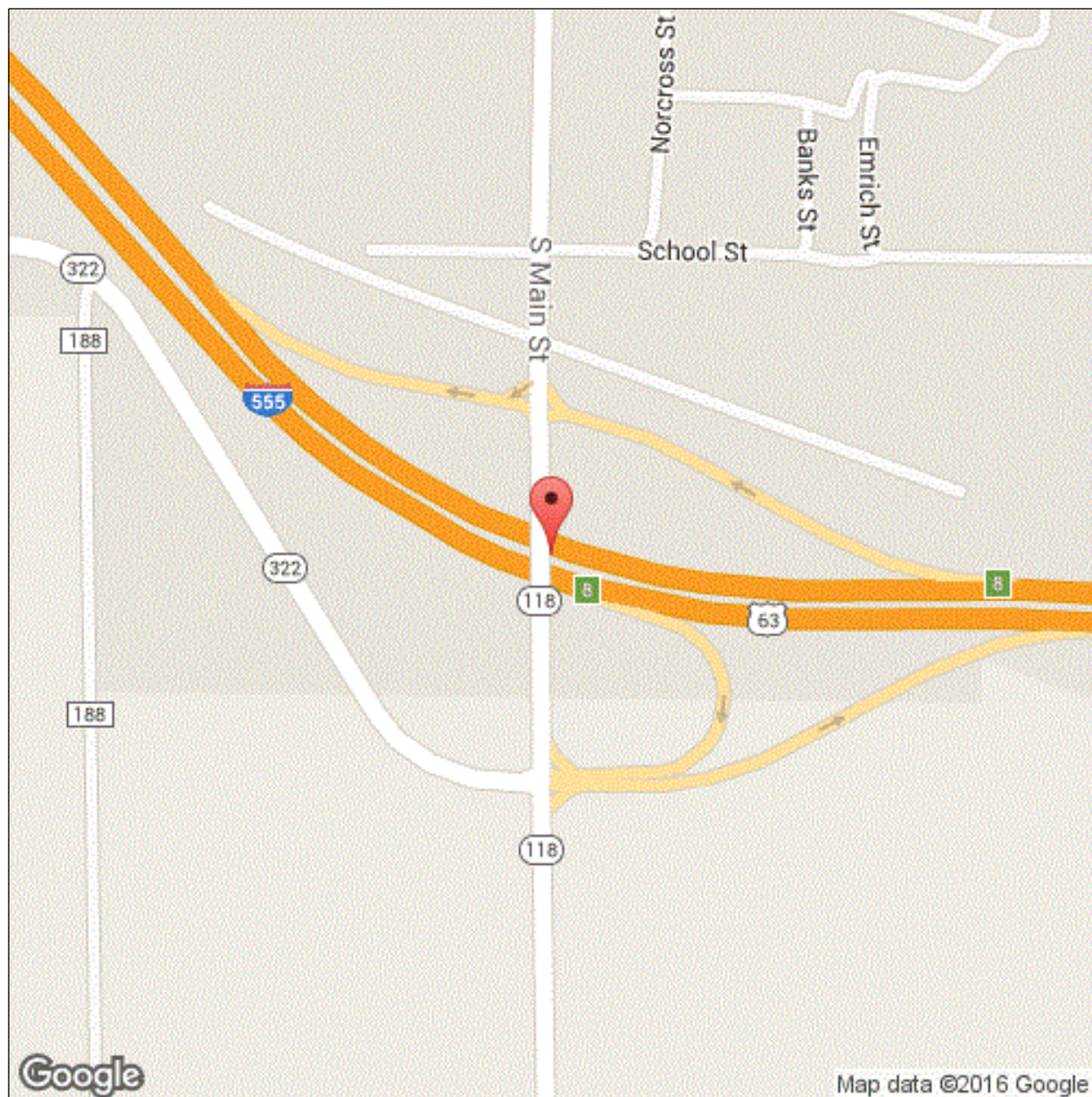
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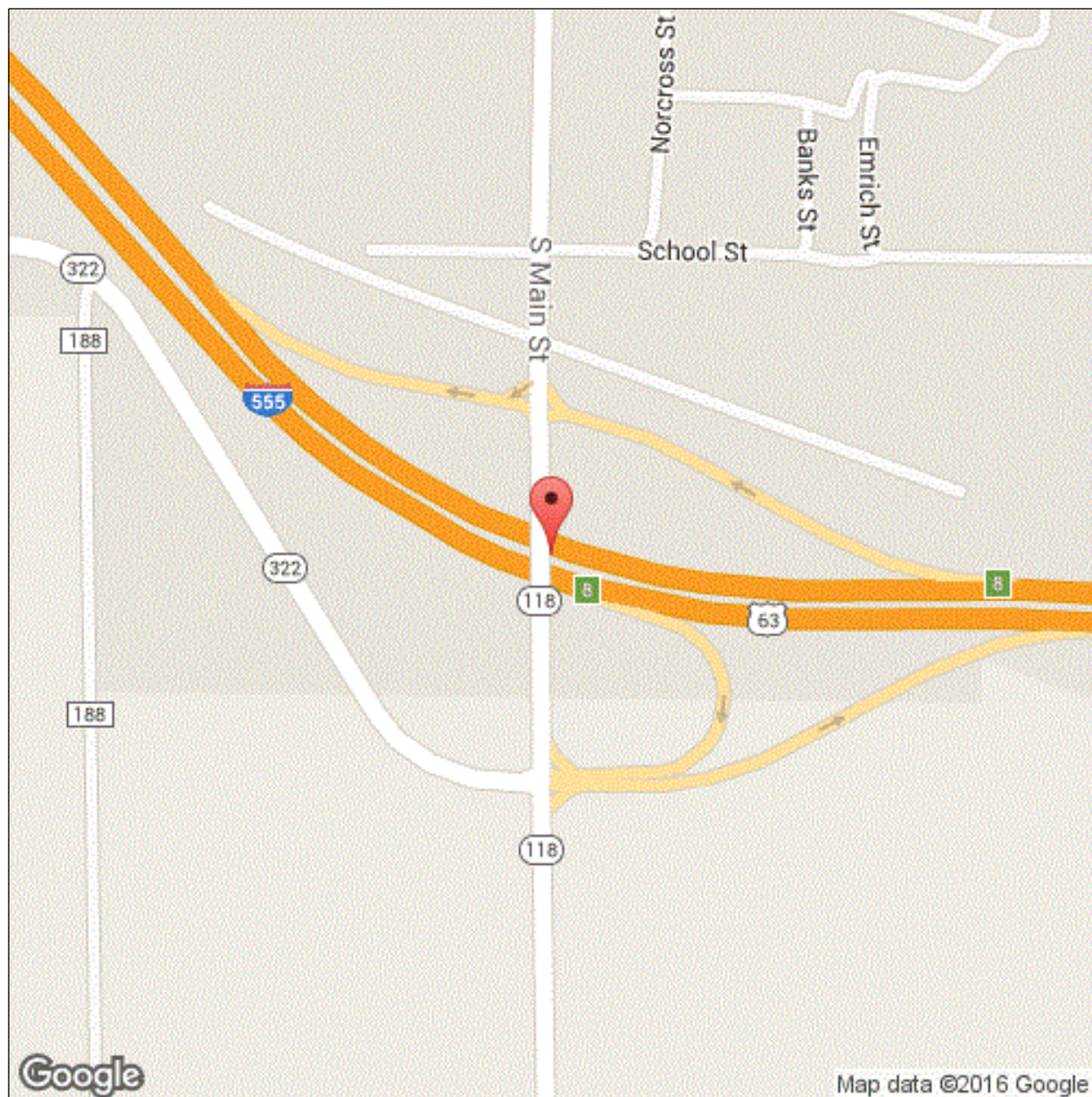
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/19/2018
(8) STRUCTURE NUMBER	07013	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 118 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I-555 - Sec. 02	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 118-02-LM 6.23		
(9) LOCATION	JCT. SH 118 & I-555		
(11) MILEPOINT 6.230	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.48082	(17) LONGITUDE -90.35870		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(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	N
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 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2006	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 05		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 1800	(19) BYPASS DETOUR LENGTH 2	(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 7		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 106	(49) STRUCTURE LENGTH (ft.) 323.3	(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.) 51.8		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.) 55.2		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 51.8		(72) APPROACH ROADWAY ALIGNMENT	6
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 21	(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.) 53.1		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) H 17.33		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 31.3		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 27.5		SUFFICIENCY RATING 99.8	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 658	(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	4
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	N
		(111) PIER OR ABUTMENT PROTECTION	5
		(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
12 - Reinforced Concrete Deck	1- Ben.	17709	sq. ft.	16689	1020	0	0
1130 - Cracking (RC and Other)		1020			1020		
107 - Steel Open Girder/Beam	1- Ben.	1926	ft.	1902	24	0	0
1000 - Corrosion		24			24		
515 - Steel Protective Coating		26077	sq. ft.	26053	24	0	0
3440 - Effectiveness (Steel Protective Coatings)		24			24		
205 - Reinforced Concrete Column	1- Ben.	9	each	6	3	0	0
1130 - Cracking (RC and Other)		3			3		
215 - Reinforced Concrete Abutment	1- Ben.	179	ft.	174	5	0	0
1130 - Cracking (RC and Other)		5			5		
234 - Reinforced Concrete Pier Cap	1- Ben.	165	ft.	162	3	0	0
1130 - Cracking (RC and Other)		3			3		
300 - Strip Seal Expansion Joint	1- Ben.	118	ft.	118			
310 - Elastomeric Bearing	1- Ben.	30	each	30			
321 - Reinforced Concrete Approach Slab	1- Ben.	1752	sq. ft.	1609	107	36	0
1130 - Cracking (RC and Other)		143			107	36	
331 - Reinforced Concrete Bridge Railing	1- Ben.	642	ft.	404	197	41	0
1120 - Efflorescence/Rust Staining		41				41	
1130 - Cracking (RC and Other)		197			197		

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

Description under clearance

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Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 3

Description

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/16/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Approach slabs have unsealed longitudinal and transverse cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 5/16/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Deck has a few longitudinal and transverse hairline cracks at all spans, especially near centerline.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 5/16/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Bolt heads have some flaking paint with light rust beginning to form at diaphragm connections.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 07013

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/16/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 bay 4 diaphragm 2 has 4 loose bolts on bottom connection.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 5/22/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 1 approach roadway has settlement and a 1.5' x 3' x 1.5' hole at Lt drop inlet. Embankment on back side of Lt curb has a hole that has undermined the end of approach gutter.

Work Description:

Date Repairs Completed:

Maintenance Comments:

to Poinsett Co Crew for review - KAW 7/5/2018

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: 07013

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Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor



PHOTO 4 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/19/2018

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 5 slope paving is undermined near Lt and Rt ends of abutment

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 06/19/2018

Priority: D - Routine

Work Code:

Deficiency Description:

Approach rails at bent 5 end of bridge have 1 damaged post on Lt and Rt sides.

Work Description:

Date Repairs Completed:

Maintenance Comments:
