

Bridge Inspection Report

02882

SH 115-01-LM 3.80

over

BRANCH HAYGOOD CRK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

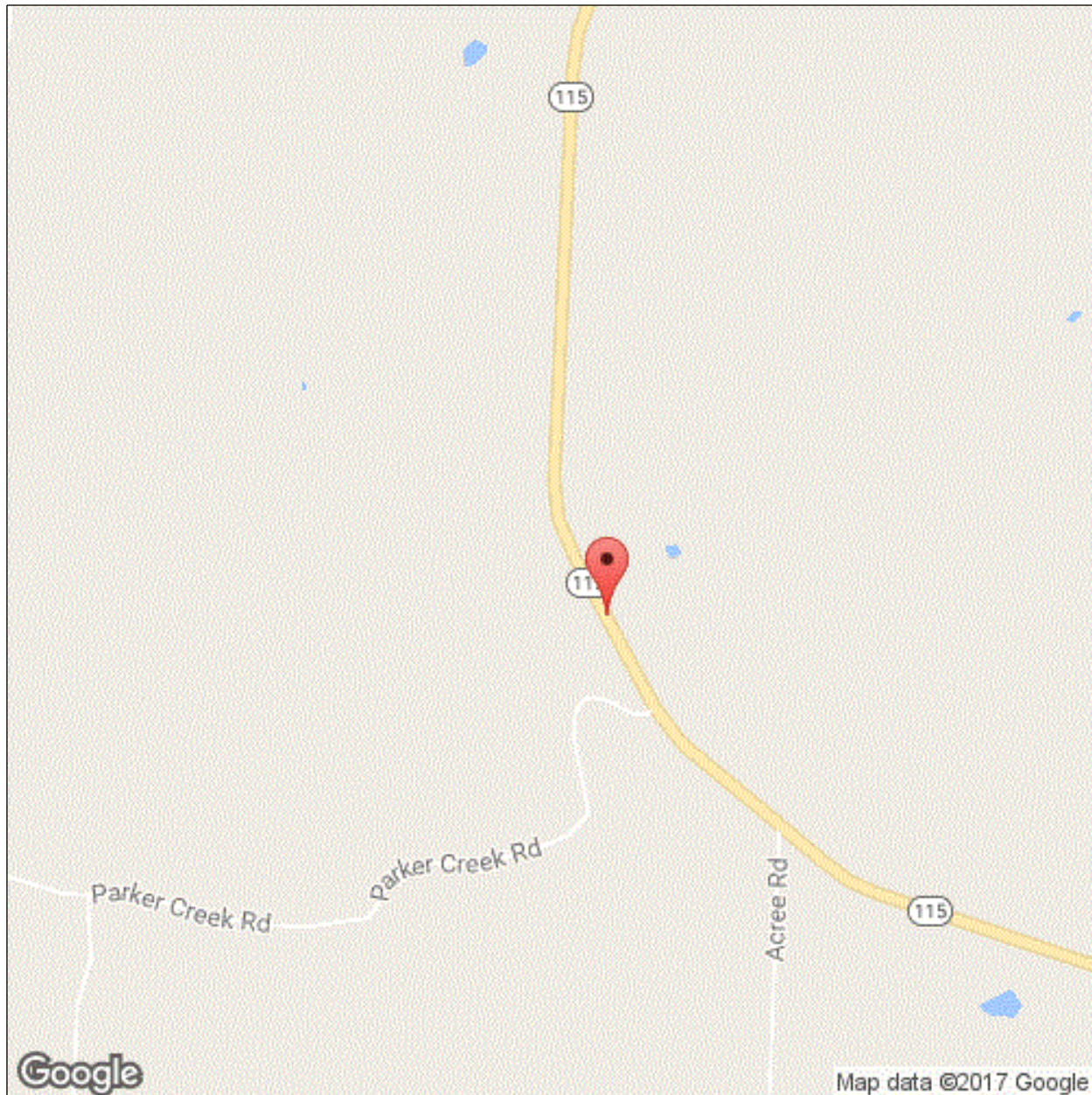
Structure Number: 02882

Inspection Date:

Facility Carried: SH 115-01-LM 3.80

Bridge Inspection Report

Location Map



Latitude: 36.44692

Longitude: -90.92706

Inspector:

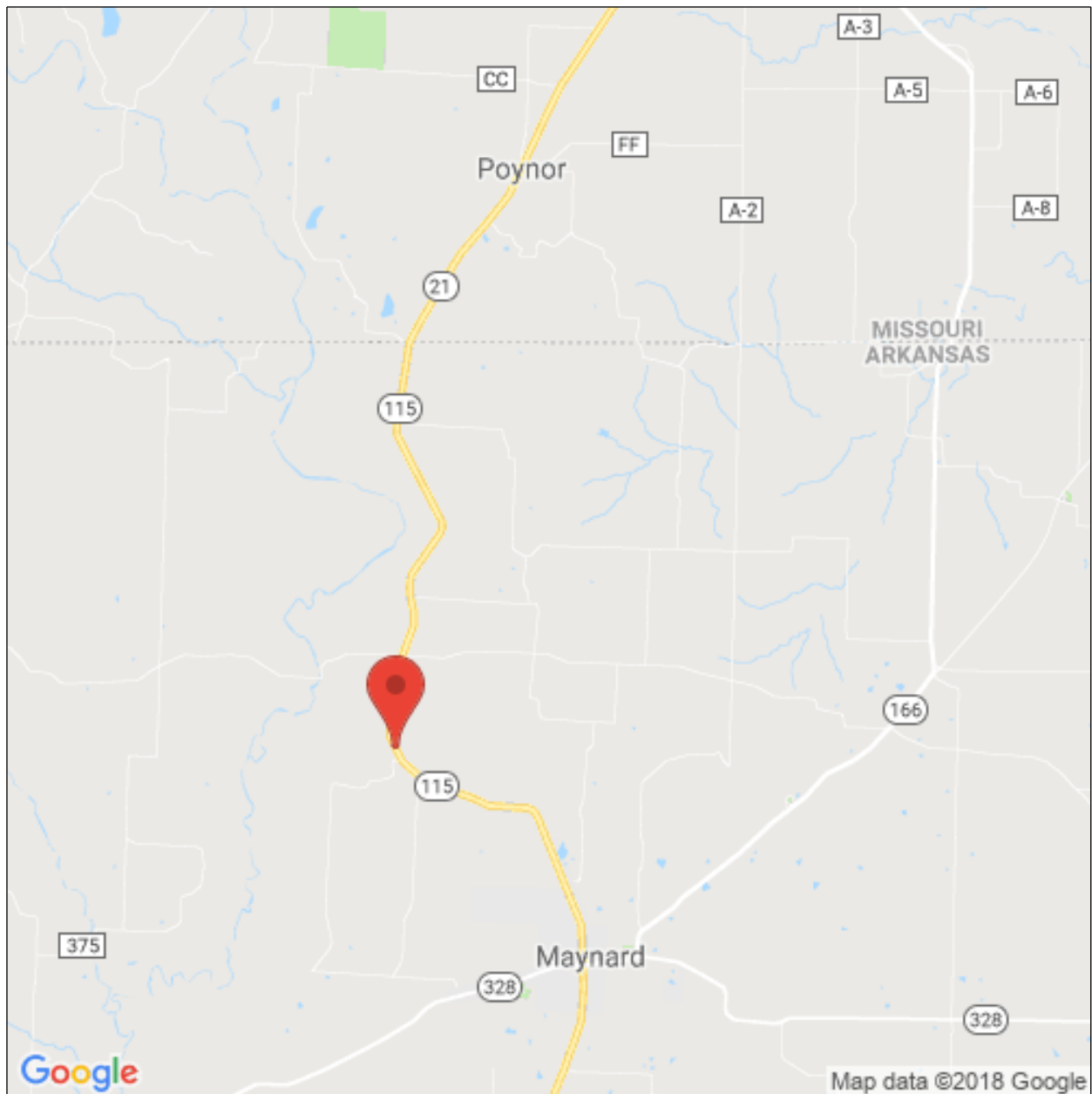
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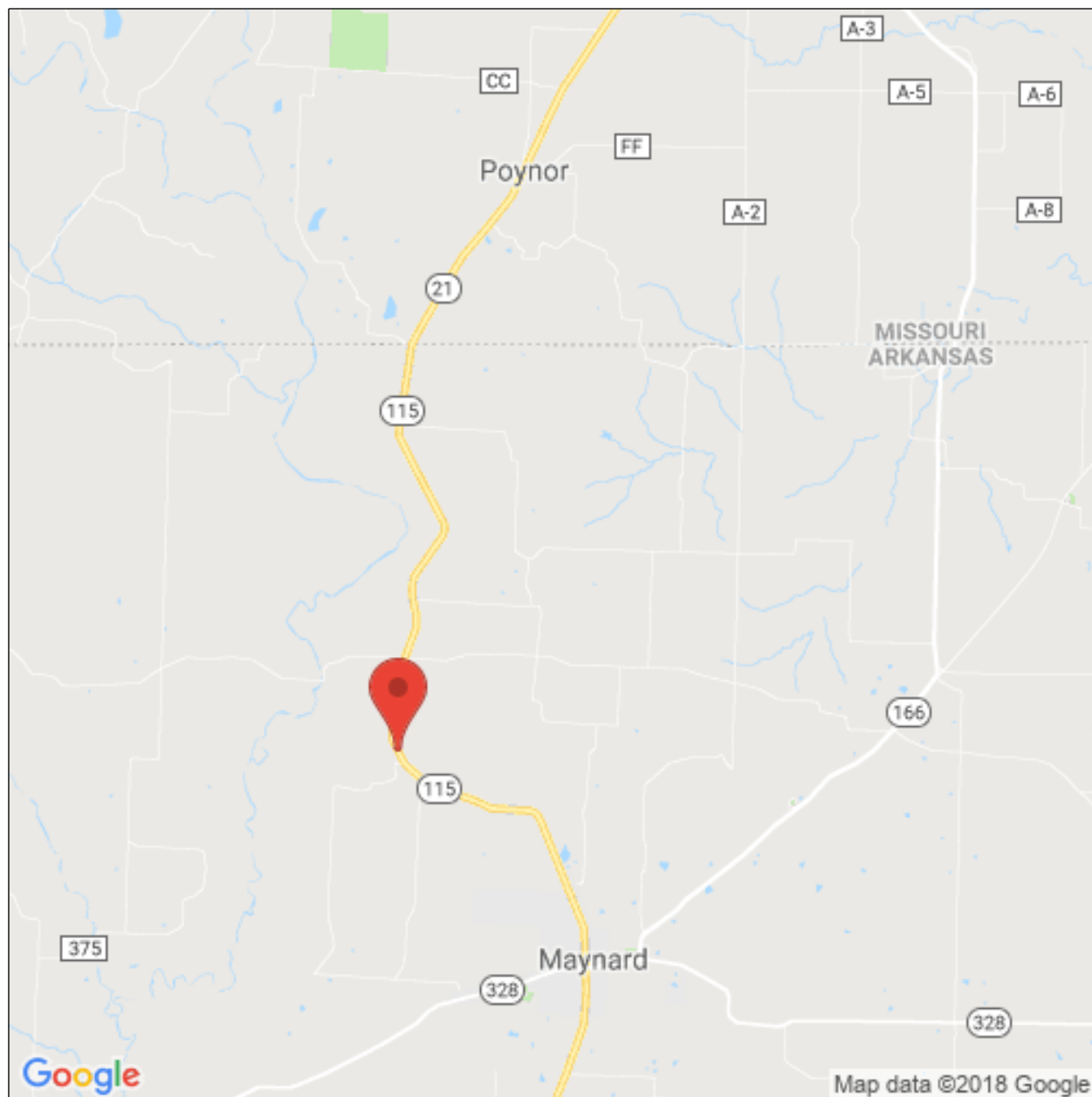
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Location Map



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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	11/06/2018
(8) STRUCTURE NUMBER	02882	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 115 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 121	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BRANCH HAYGOOD CRK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 115-01-LM 3.80		
(9) LOCATION	3.8 MI S MISSOURI LINE		
(11) MILEPOINT 3.800	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000115010 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.44692	(17) LONGITUDE -90.92706		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	5
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	2 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1953 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	2
(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	59
(29) AVERAGE DAILY TRAFFIC	960 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36
(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.)	19 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.6 RIGHT 0.6	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25.3	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.3	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	68.1 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	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		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	1163 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(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	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
16 - Reinforced Concrete Top Flange	1- Ben.	1425	sq. ft.	1425			
510 - Wearing Surfaces		1368	sq. ft.	1260	102	6	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		6				6	
3220 - Crack (Wearing Surface)		102			102		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	399	ft.	0	2	392	5
1090 - Exposed Rebar		67				62	5
1120 - Efflorescence/Rust Staining		2			2		
1130 - Cracking (RC and Other)		330				330	
205 - Reinforced Concrete Column	1- Ben.	4	each	0	4	0	0
1190 - Abrasion/Wear (PSC/RC)		4			4		
215 - Reinforced Concrete Abutment	1- Ben.	63	ft.	0	63	0	0
1190 - Abrasion/Wear (PSC/RC)		63			63		
234 - Reinforced Concrete Pier Cap	1- Ben.	53	ft.	53			
333 - Other Bridge Railing	1- Ben.	119	ft.	59	0	60	0
1000 - Corrosion		60				60	

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Bridge Inspection Report

Pictures

PHOTO 1

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/8/2011 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Concrete deck with asphalt overlay has several minor unsealed cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 02882

Inspection Date:

Facility Carried: SH 115-01-LM 3.80

Bridge Inspection Report

Maintenance Needs

Date Reported: 2/8/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 3 concrete channel beam 5 has a 4 ft. x 8 in. x 3 in. deep spall with exposed rebar at bent 3 with heavy section loss to rebar, see photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

Structure Number: 02882

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/8/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 1 concrete channel beam 6 has a 4 ft. x 3 in. x 2 in. deep spall with exposed rebar over bent 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 2/8/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Sp.1 concrete channel beam 1 has a 3 ft. x 6 in. x 2 1/2 in. deep spall with exposed rebar over bent 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 2/8/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 concrete channel beam 5 has a 2 ft. x 3 in. x 2 in. deep spall with exposed rebar at bent 3.

Sp.2 Unit 2 has a 6 ft. shelled out rebar exposed.

Sp.2 Unit 3 has a 2.5 ft shelled out area rebar exposed.

Sp. 2 unit 7 has a 2.0 ft shelled out area rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 02882

Inspection Date:

Facility Carried: SH 115-01-LM 3.80

Bridge Inspection Report

Maintenance Needs

Date Reported: 2/8/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 3 concrete channel beam 1 has a 7 ft. x 6 in. x 3 in. deep spall with exposed rebar at bent 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 02882

Inspection Date:

Facility Carried: SH 115-01-LM 3.80

Bridge Inspection Report

Maintenance Needs

Date Reported: 01/09/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Span 1 unit 5 over bent 1 has map cracking with efflorescence, see photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description