

Bridge Inspection Report

01923
SH 115-01- LM 1.64
over
SPRING CRK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

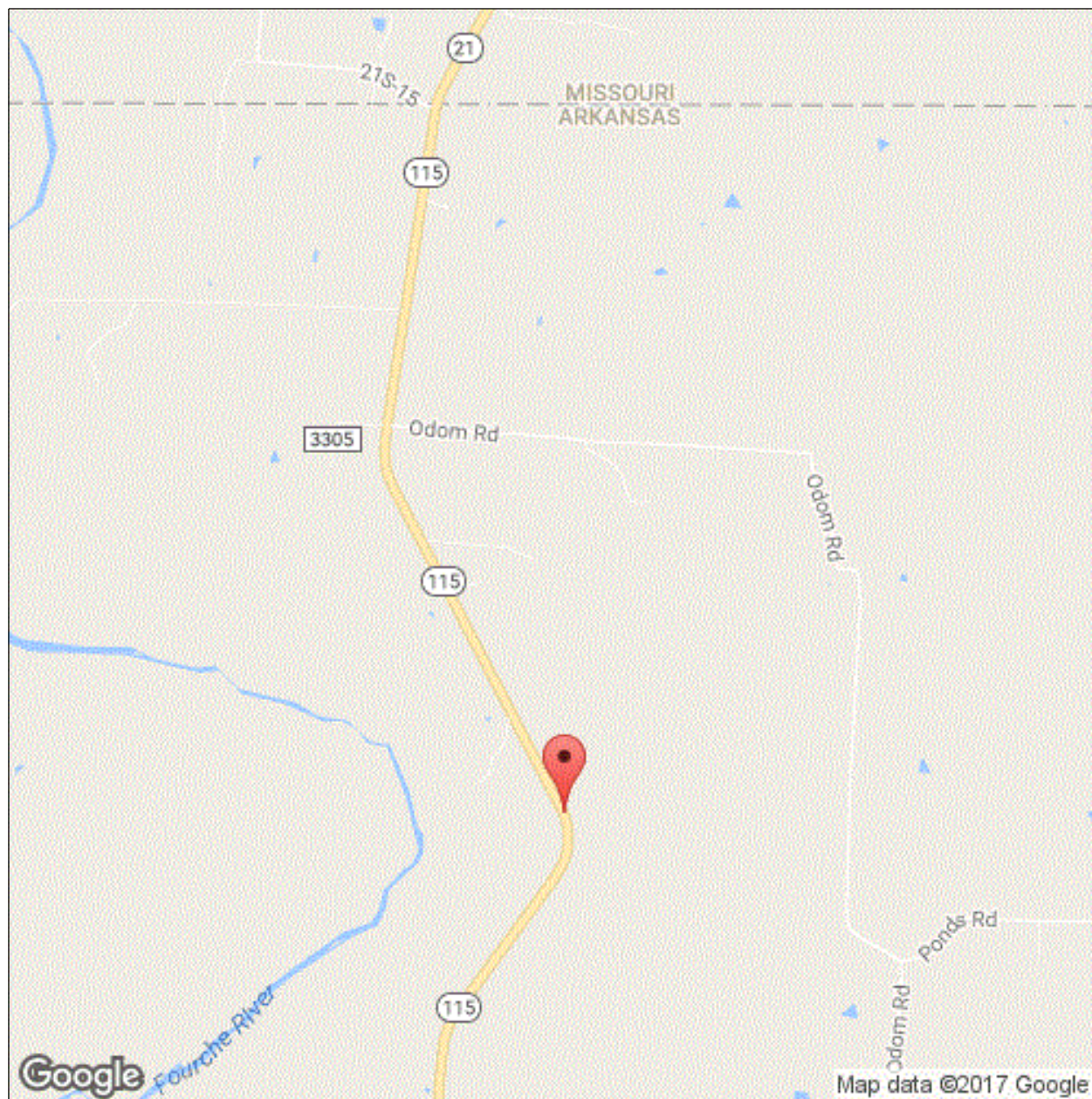
Structure Number: 01923

Inspection Date:

Facility Carried: SH 115-01- LM 1.64

Bridge Inspection Report

Location Map



Latitude: 36.47602

Longitude: -90.91996

Inspector:

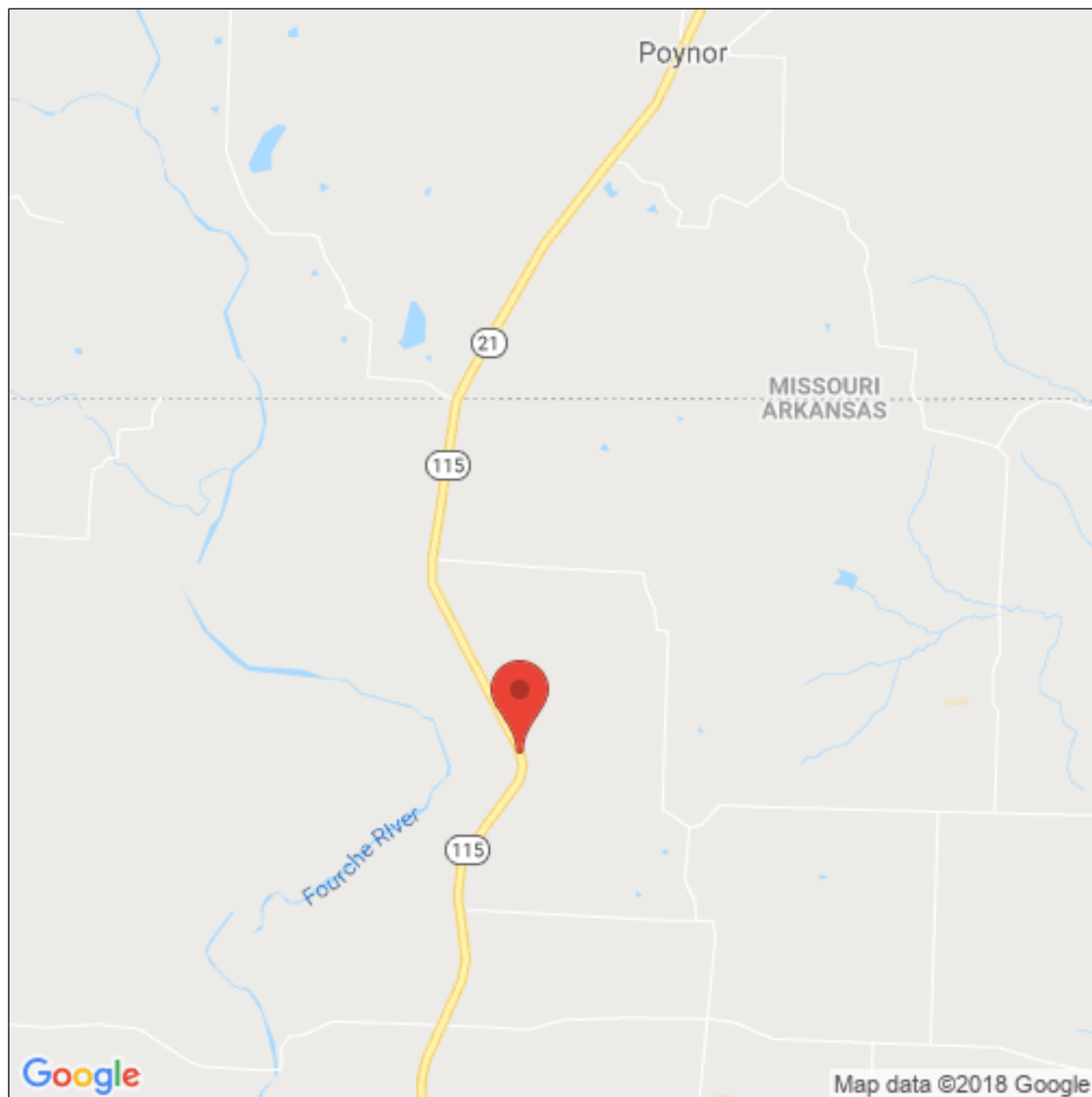
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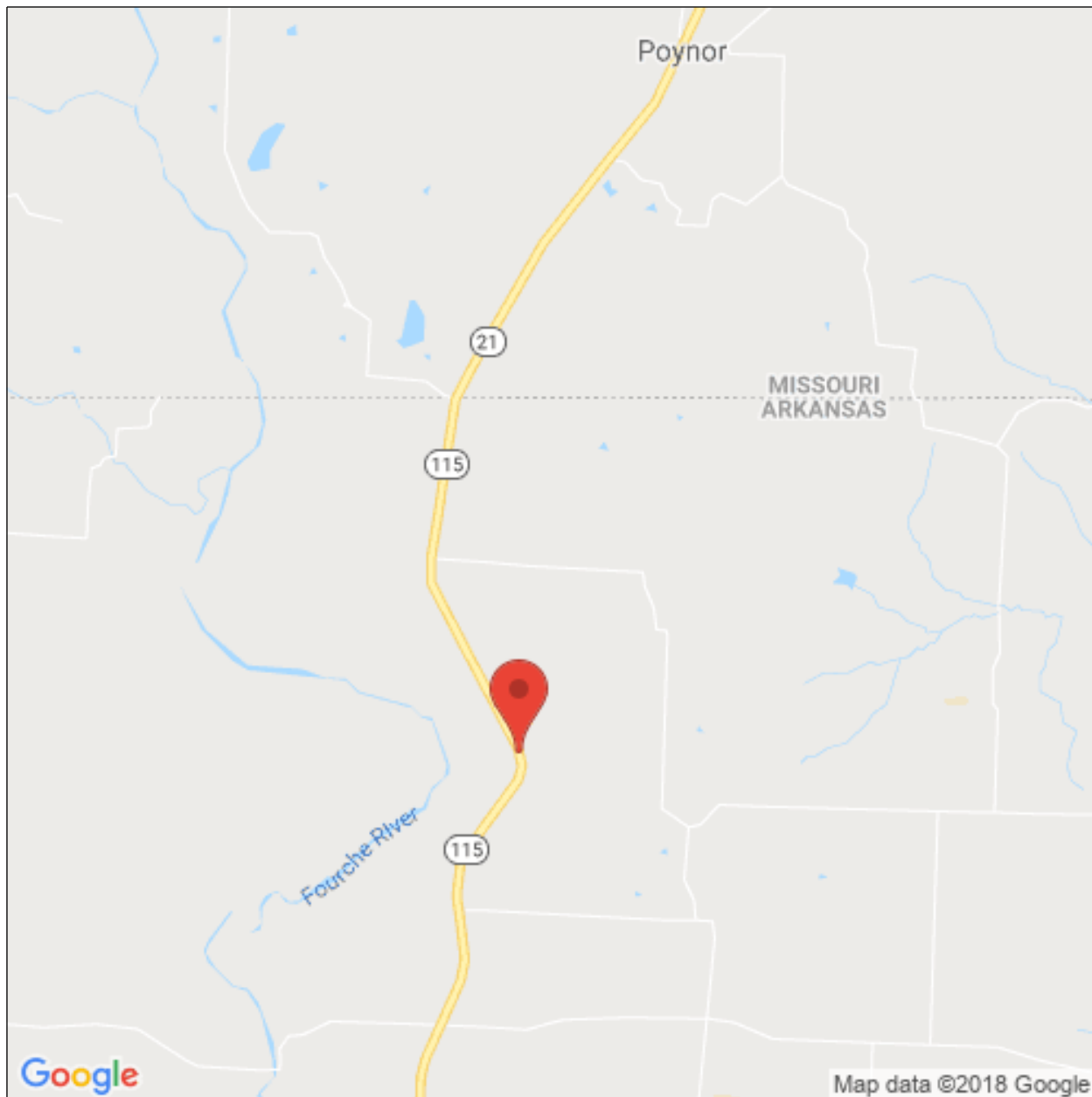
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/09/2017
(8) STRUCTURE NUMBER	01923	(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	SPRING CRK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 115-01- LM 1.64		
(9) LOCATION	1.64 MI S MISSOURI LINE		
(11) MILEPOINT 1.640	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000115010 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.47602	(17) LONGITUDE -90.91996		
(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 6	(60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION 6	(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 1	(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 1935	(106) YEAR RECONSTRUCTED 0000	(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	54.0
(29) AVERAGE DAILY TRAFFIC 720	(19) BYPASS DETOUR LENGTH 6	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	32
(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.) 30	(49) STRUCTURE LENGTH (ft.) 32	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.4	RIGHT 0.4	(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.)	29.7	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	28.9	(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	28.9	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	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	93.6 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 847	(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	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.	1032	sq. ft.	928	104	0	0
1080 - Delamination/Spall/Patched Area		4		0	4	0	0
1090 - Exposed Rebar		20		0	20	0	0
1130 - Cracking (RC and Other)		80		0	80	0	0
510 - Wearing Surfaces		920	sq. ft.	801	119	0	0
3220 - Crack (Wearing Surface)		119		0	119	0	0
107 - Steel Open Girder/Beam	1- Ben.	185	ft.	161	0	24	0
0							

1000 - Corrosion		24		0	0	24	0
515 - Steel Protective Coating		1197	sq. ft.	0	300	897	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		524		0	300	224	0
3440 - Effectiveness (Steel Protective Coatings)		673		0	0	673	0
215 - Reinforced Concrete Abutment	1- Ben.	58	ft.	47	11	0	0
1090 - Exposed Rebar		5		0	5	0	0
1120 - Efflorescence/Rust Staining		1		0	1	0	0
1130 - Cracking (RC and Other)		5		0	5	0	0
311 - Movable Bearing	1- Ben.	6	each	0	0	6	0
1000 - Corrosion		6		0	0	6	0
313 - Fixed Bearing	1- Ben.	6	each	0	0	6	0
1000 - Corrosion		6		0	0	6	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	63	ft.	57	6	0	0
1080 - Delamination/Spall/Patched Area		6		0	6	0	0

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Bridge Inspection Report

Pictures



PHOTO 1

Description



PHOTO 2

Description

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Bridge Inspection Report

Pictures



PHOTO 3

Description



PHOTO 4

Description

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 2/10/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Steel girders have rust with pitting, ends of girders have initial loss of section.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 2/10/2011 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Some section loss to majority of anchor bolts and nuts.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 01/09/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 1 concrete abutment has spalls with exposed rebar in face of abutment.

Bent 1 & 2 abutments have moderate width vertical cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 01/09/2017

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Moderate width cracks in asphalt overlay over Bent 1 & 2 abutments.

Work Description:

Date Repairs Completed:

Maintenance Comments:
