

Bridge Inspection Report

A0484

US 70-7 Log 2.62

over

LITTLE MAZARN CR



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

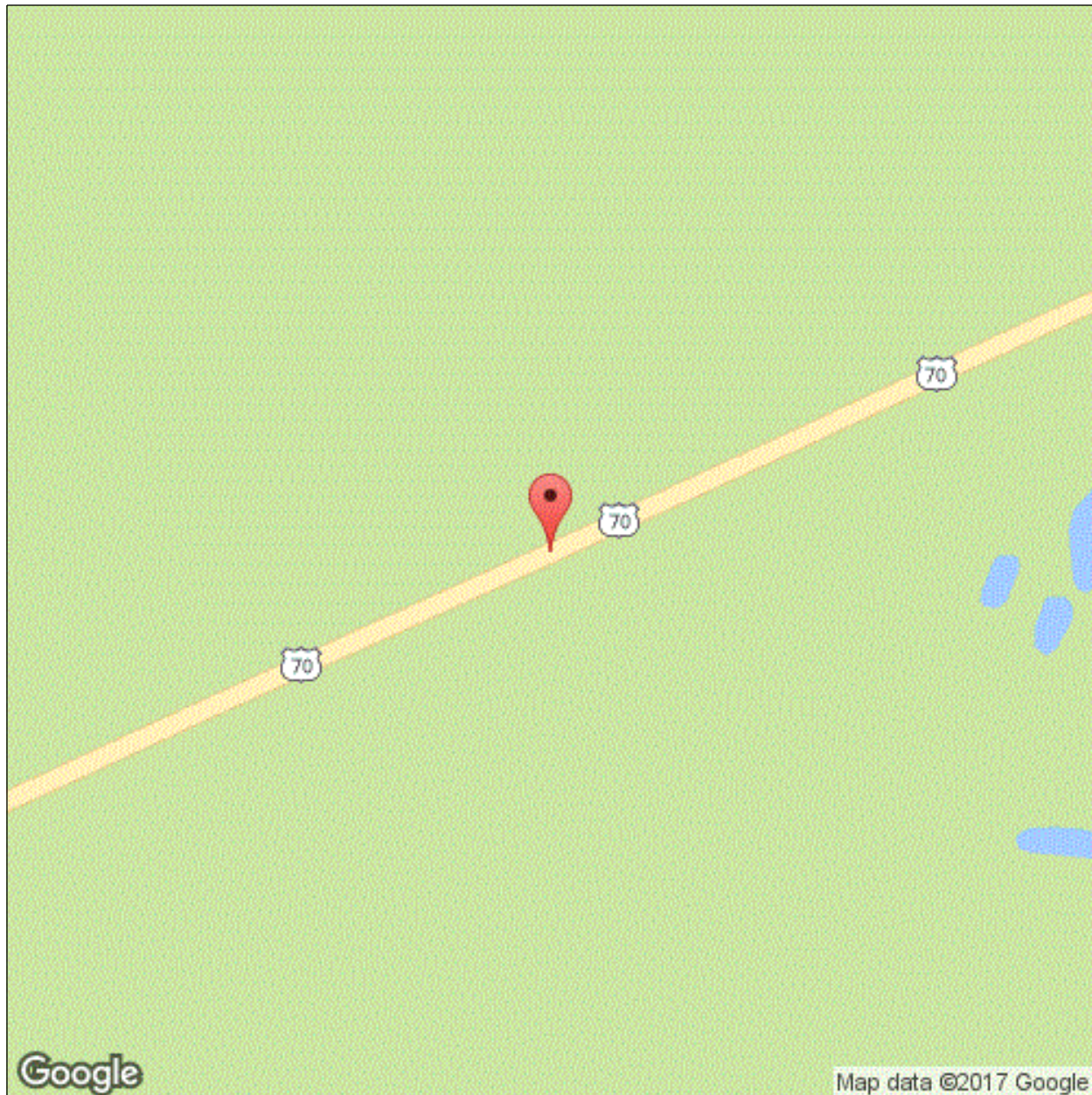
Inspection Date:

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Facility Carried: US 70-7 Log 2.62

Bridge Inspection Report

Location Map



Latitude: 34.39000

Longitude: -93.36756

Inspector:

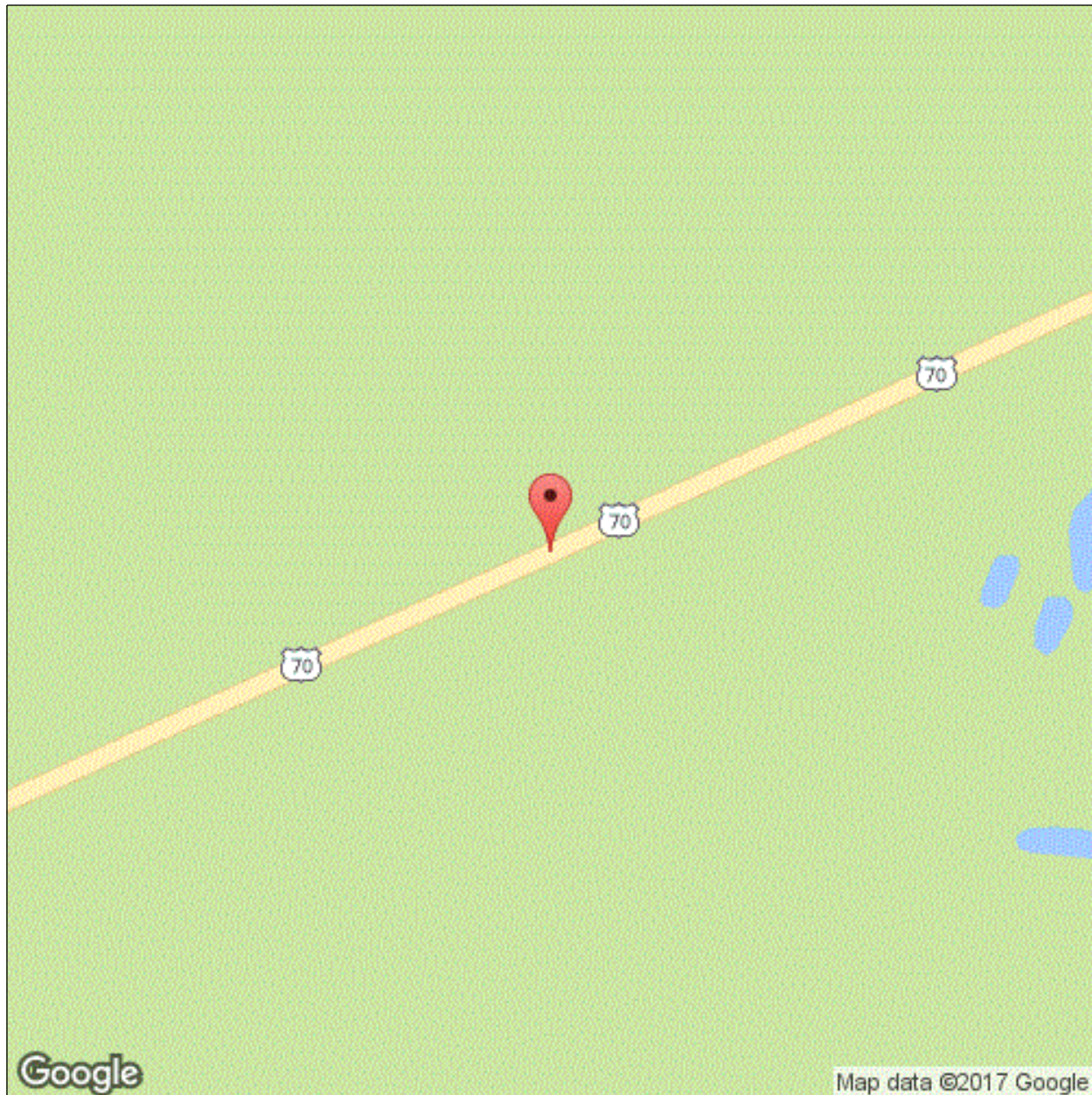
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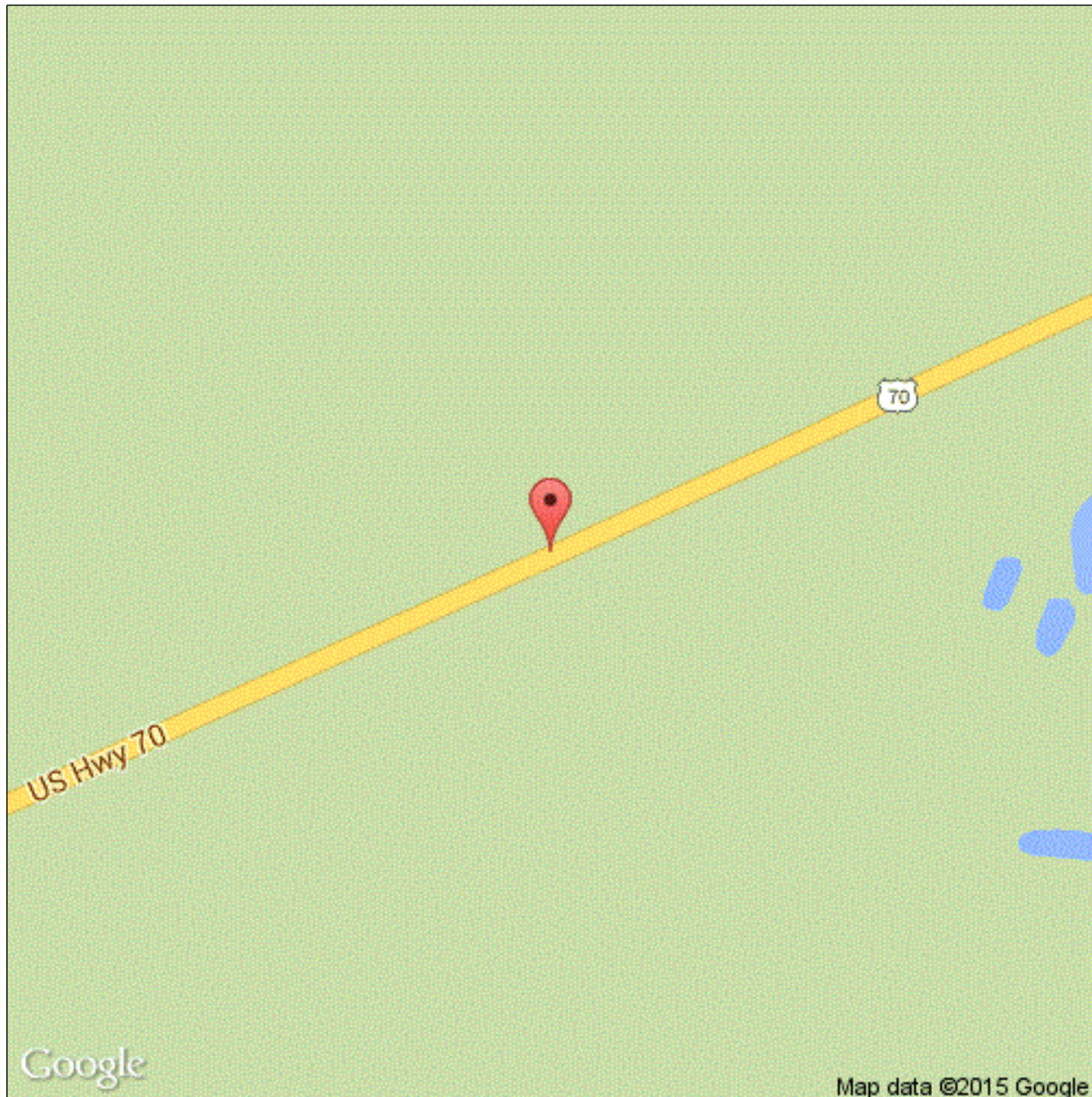
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Bridge Inspection Report

Executive Summary

job 1450 dwg 18553. Approach looking east.

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/16/2017
(8) STRUCTURE NUMBER	A0484	(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	06 (3) COUNTY CODE 059	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE MAZARN CR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 70-7 Log 2.62		
(9) LOCATION	2.62MI NE MONTGOMERY CO		
(11) MILEPOINT 2.620	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000070070 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.39000	(17) LONGITUDE -93.36756		
(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: 04 - Tee Beam		(60) SUBSTRUCTURE	5
(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	2 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1929 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	6
(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	56.0
(29) AVERAGE DAILY TRAFFIC	5000 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	34.0
(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.)	35 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	30.5	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	32.8	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	33.1	(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.8	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	58.0 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	0000	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	4787 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(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.	1388	sq. ft.	1378	10	0	0
	Soffit has 10' of cracking with efflorescence. Asphalt wearing surface has scattered cracking & patched potholes.						
1120 - Efflorescence/Rust Staining		10		0	10	0	0
510 - Wearing Surfaces		2135	sq. ft.	1500	635	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		10		0	10	0	0
3220 - Crack (Wearing Surface)		625		0	625	0	0
38 - Reinforced Concrete Slab	1- Ben.	937	sq. ft.	937	0	0	0
510 - Wearing Surfaces		748	sq. ft.	748	0	0	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	214	ft.	203	6	5	0
	Span 1 girders 1 & 3 have small exposed rebar, girder 1 has a large delam, & girder 2 has 2 small delams. Span 2 all 3 girders have exposed rebar on haunches at Bt. 2. All girders have vertical hairline cracks.						
1080 - Delamination/Spall/Patched Area		4		0	2	2	0
1090 - Exposed Rebar		7		0	4	3	0
205 - Reinforced Concrete Column	1- Ben.	4	each	1	1	2	0
	Bt. 2, columns 2 & 3 both have severe abrasion at the bottom of the column & both have spalls with exposed rebar. Column 4 has minor abrasion.						
1190 - Abrasion/Wear (PSC/RC)		3		0	1	2	0
215 - Reinforced Concrete Abutment	1- Ben.	92	ft.	76	15	1	0
	Both abutments have cracks, bent 3 has rebar exposed.						
1090 - Exposed Rebar		1		0	0	1	0
1130 - Cracking (RC and Other)		15		0	15	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	33	ft.	31	2	0	0
	Cap has rebar exposed						
1080 - Delamination/Spall/Patched Area		1		0	1	0	0
1090 - Exposed Rebar		1		0	1	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	164	ft.	164	0	0	0

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Pictures

PHOTO 1

Description

PHOTO 2

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/12/2015

Priority: C - Important

Work Code:

Deficiency Description:

Scour action at bent 2 has exposed the footing at columns 3 and 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assigned to Garland 06261 9-29-15

Inspector:

Structure Number: A0484

Inspection Date:

Facility Carried: US 70-7 Log 2.62

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/12/2015

Priority: C - Important

Work Code:

Deficiency Description:

All three girders in span 2 at the haunch
Has Spalls with exposed rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Span 2, girder 3, Bt. 2, exposed rebar
at haunch of the girder.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/12/2015

Priority: C - Important

Work Code:

Deficiency Description:

Bent 2 column 2 and 3 has spalls and severe abrasion.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bt. 2, column 3, severe abrasion exposing the rebar.

Stage: Monitor



PHOTO 2 Description Bt. 2, column 2, severe abrasion.

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Maintenance Needs

Date Reported: 08/12/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Deck Asphalt overlay has large unsealed cracks

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assign to Garland County 062830 09/28/2015

Stage: Open



PHOTO 1 Description Potholes

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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/12/2015

Priority: D - Routine

Work Code:

Deficiency Description:

Minor settlement & potholes at both approaches of the bridge.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assign to Garland County 062830 09/28/2015

Stage: Open



PHOTO 1 Description Approach roadway settlement