

Bridge Inspection Report

05610
I-555SB-02-LM11.54
over
DITCHES NO 1-47-9



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

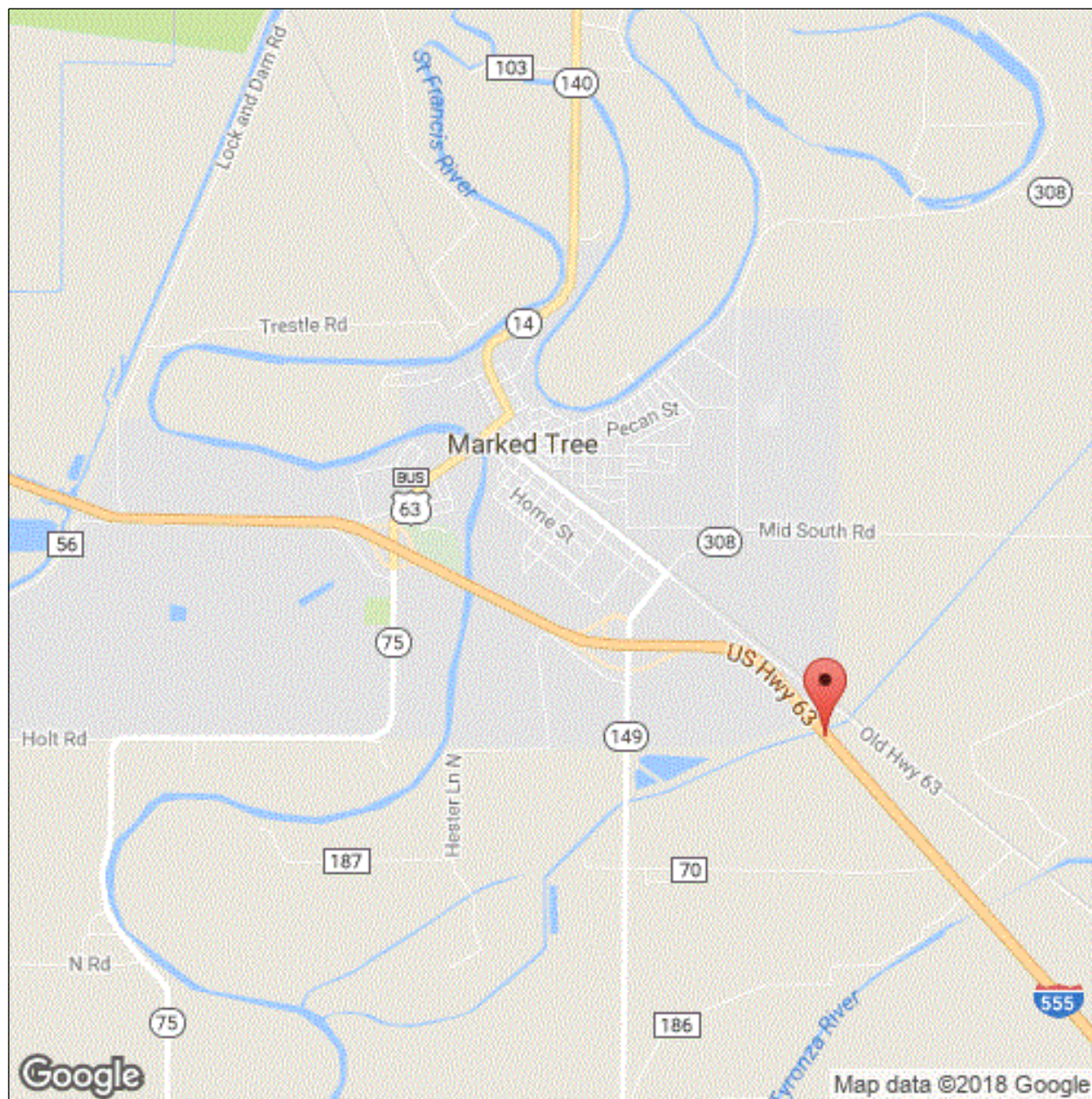
Structure Number: 05610

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Facility Carried: I-555SB-02-LM11.54

Bridge Inspection Report

Location Map



Latitude: 35.51412

Longitude: -90.39675

Inspector:

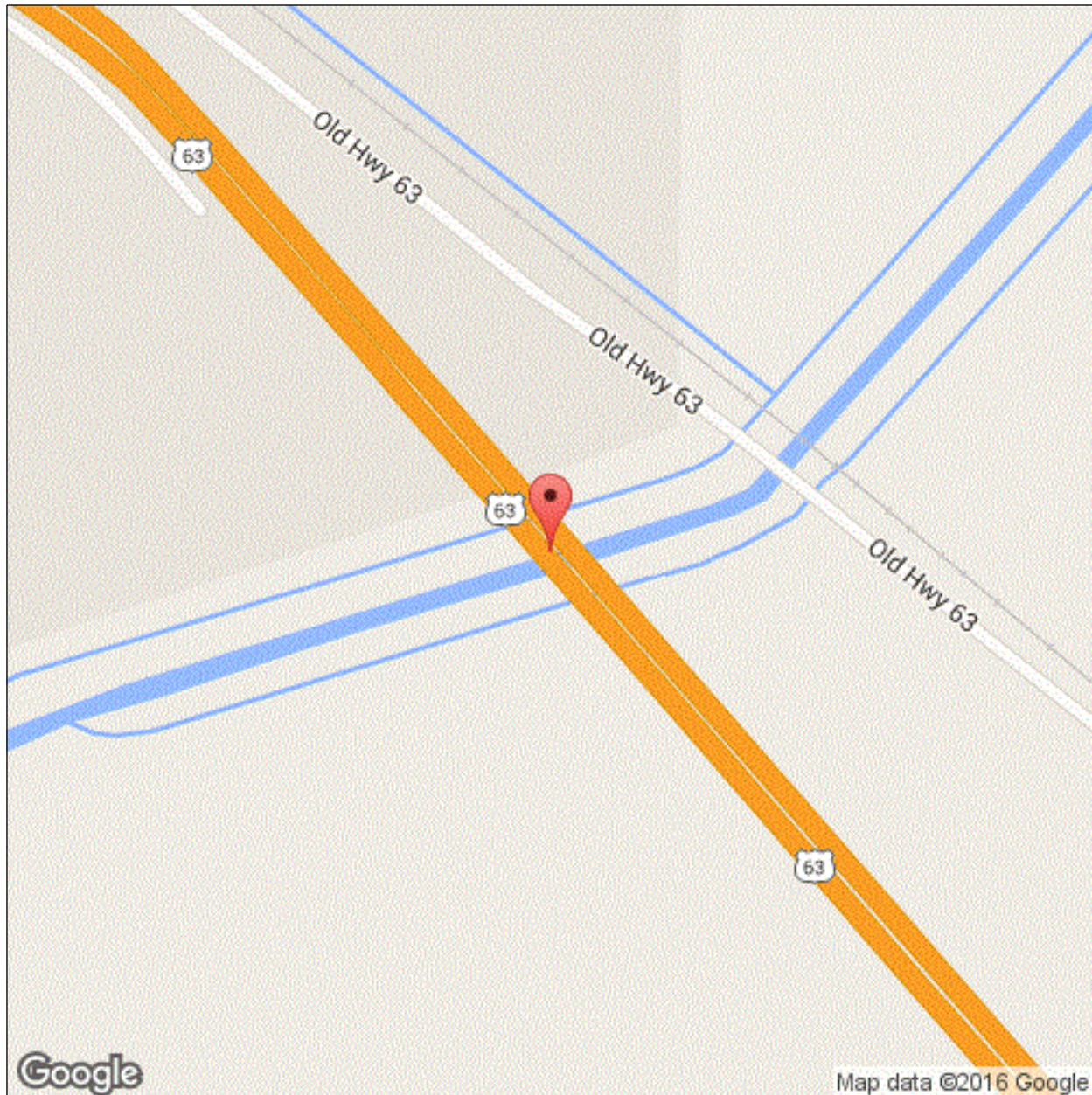
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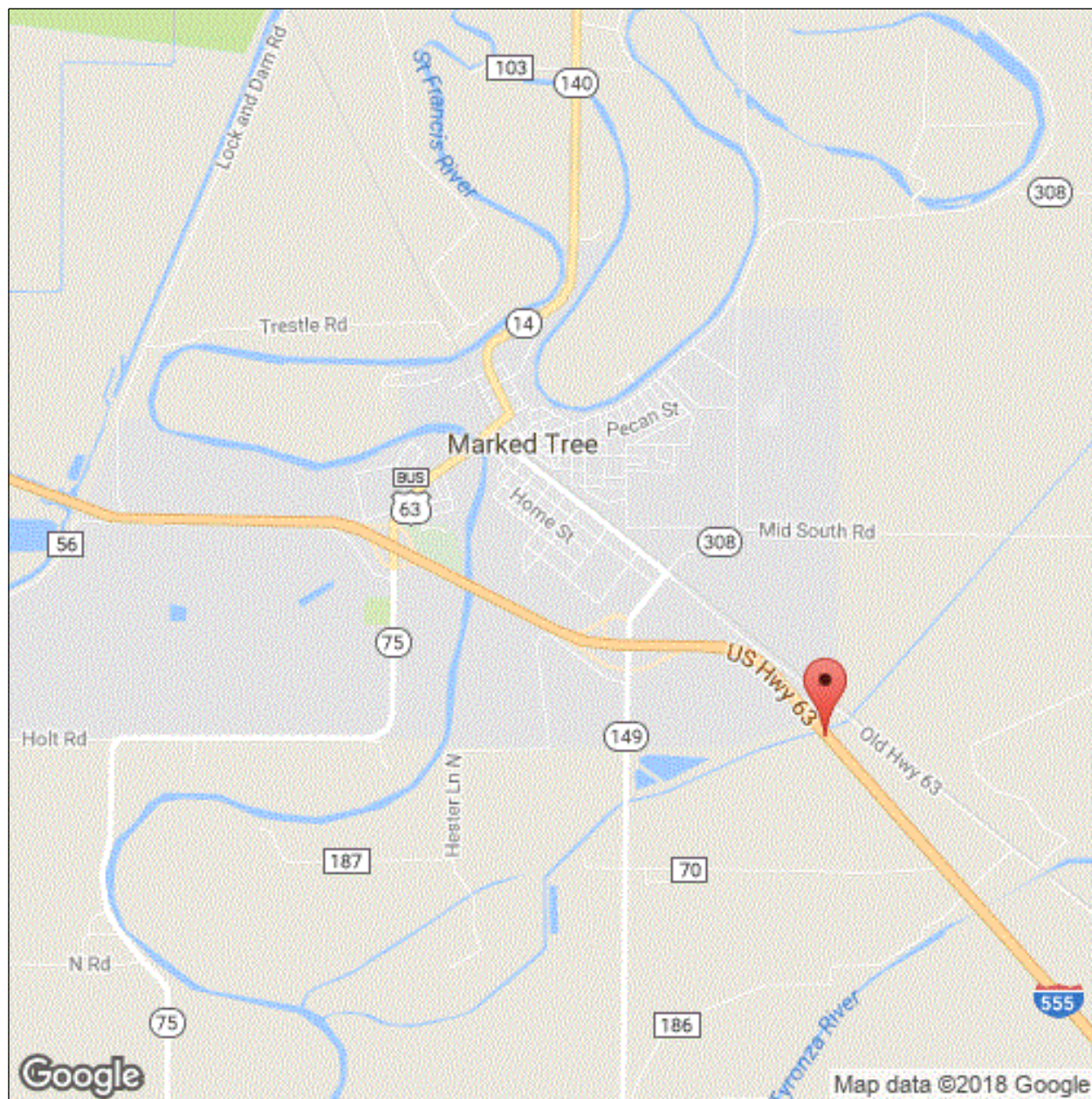
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/27/2018
(8) STRUCTURE NUMBER	05610	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 3	(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	DITCHES NO 1-47-9	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555SB-02-LM11.54		
(9) LOCATION	2.11 MI SE SH 75		
(11) MILEPOINT 11.54	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063090 (13B) SUBROUTE NUMBER 01		
(16) LATITUDE 35.51412	(17) LONGITUDE -90.39675		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE 6	(60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(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 11	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1976	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(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	60
(29) AVERAGE DAILY TRAFFIC 12300	(19) BYPASS DETOUR LENGTH 6	(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.) 40	(49) STRUCTURE LENGTH (ft.) 395	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 39.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 41.8		(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 20	(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.) 40.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING 92.2	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	01
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 6830	(115) YEAR OF FUTURE ADT 2028	(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	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
38 - Reinforced Concrete Slab	1- Ben.	16459	sq. ft.	13461	2543	455	0
1080 - Delamination/Spall/Patched Area		57			10	47	
1090 - Exposed Rebar		4				4	
1120 - Efflorescence/Rust Staining		122			88	34	
1130 - Cracking (RC and Other)		999			645	354	
1190 - Abrasion/Wear (PSC/RC)		1816			1800	16	
227 - Reinforced Concrete Pile	1- Ben.	76	each	67	3	6	0
1130 - Cracking (RC and Other)		9			3	6	
234 - Reinforced Concrete Pier Cap	1- Ben.	571	ft.	517	9	45	0
1080 - Delamination/Spall/Patched Area		26			7	19	
1090 - Exposed Rebar		13				13	
1120 - Efflorescence/Rust Staining		2				2	
1130 - Cracking (RC and Other)		13			2	11	
301 - Pourable Joint Seal	1- Ben.	498	ft.	0	150	277	71
2320 - Seal Adhesion		498			150	277	71
321 - Reinforced Concrete Approach Slab	1- Ben.	1752	sq. ft.	1596	0	156	0
1130 - Cracking (RC and Other)		156				156	
331 - Reinforced Concrete Bridge Railing	1- Ben.	790	ft.	776	14	0	0
1080 - Delamination/Spall/Patched Area		7			7		
1090 - Exposed Rebar		7			7		

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Pictures

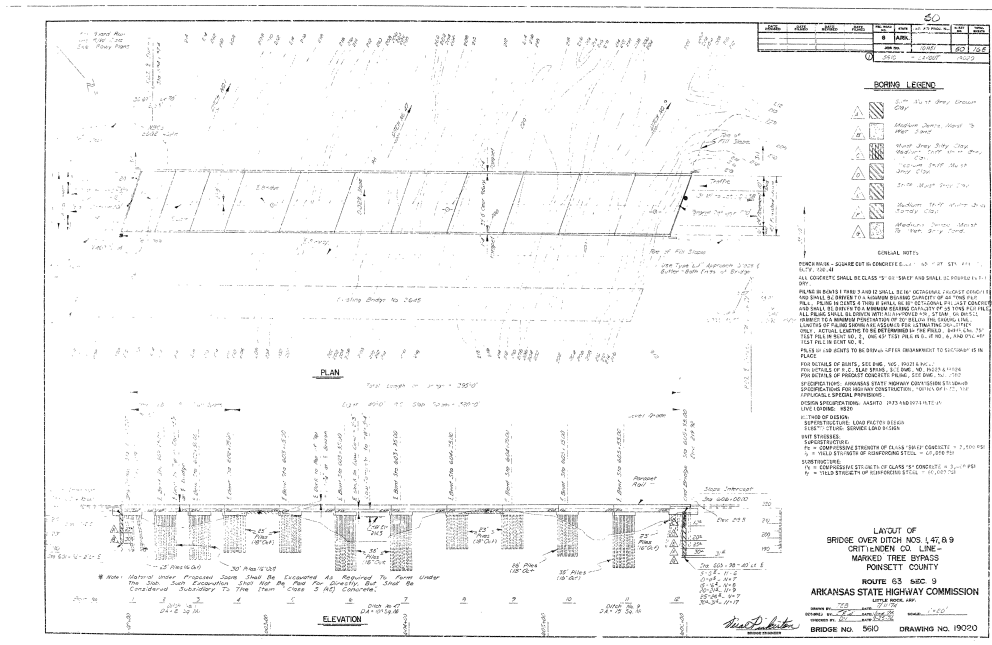


PHOTO 1

Description	layout
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PHOTO 1

Description	channel profile
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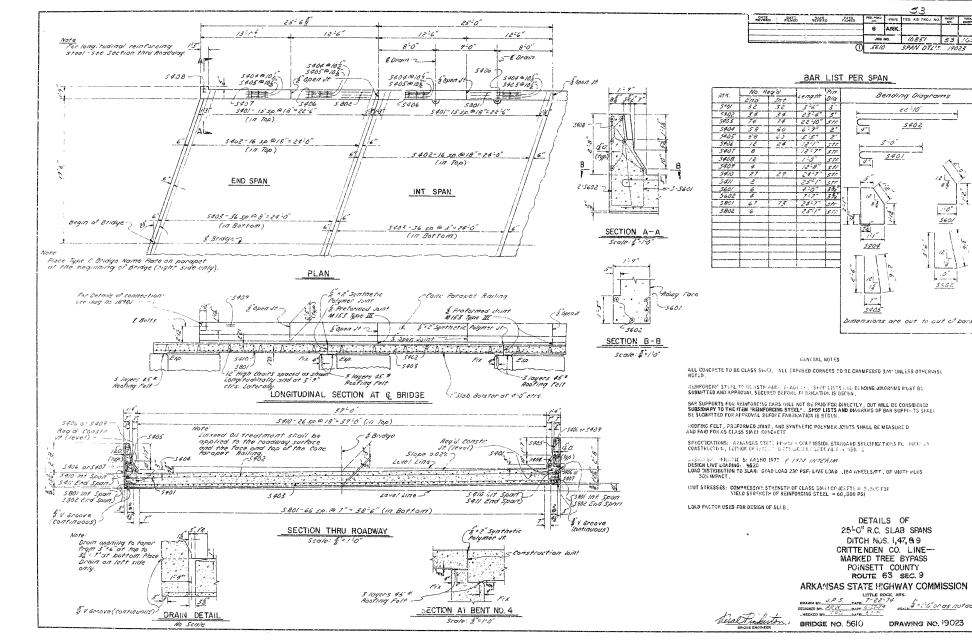


PHOTO 2

Description 25' slabs

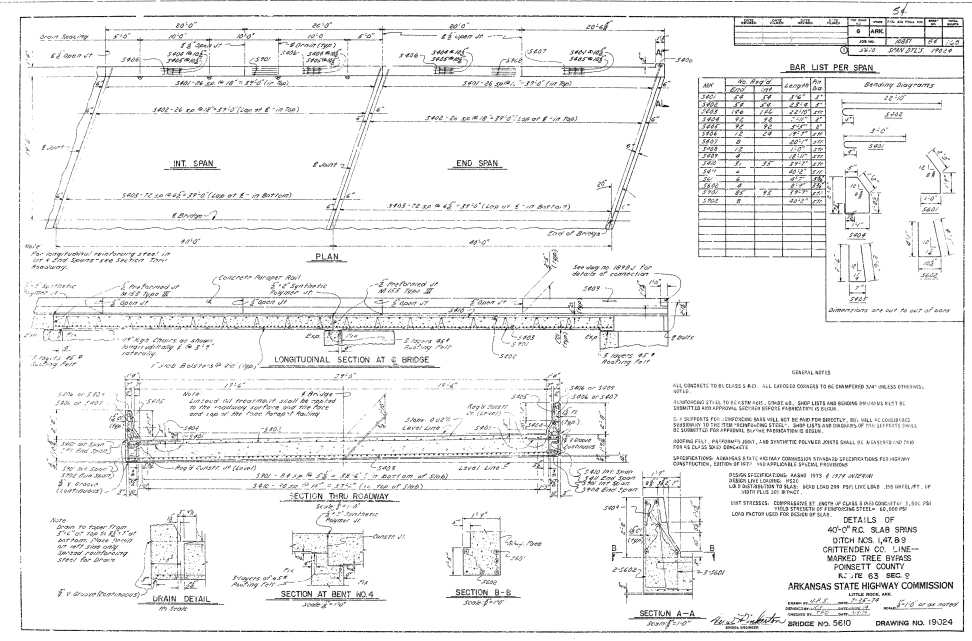


PHOTO 3

Description 40' slabs

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Caps have a few minor cracks and spalls with some rebar exposed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 05610

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Slopes have some embankment erosion under bridge at spans 4 and 11. Minor scour at bents 6 and 9. Bent 12 cap is undermined for 8' on Lt end up to 1' below and 1.5' back under. 6' on Rt end of cap is beginning to undermine.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: 05610

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Deck has areas of minor abrasion in wheelpaths.

Deck has a few unsealed longitudinal cracks and a few small spalls.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Poured joints are torn and separated with some sections missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 2/27/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Log mile signs are missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 02/27/2018

Priority: C - Important

Work Code:

Deficiency Description:

Lt approach roadway at bent 1 end has embankment settlement at edge of shoulder.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 02/27/2018

Priority: C - Important

Work Code:

Deficiency Description:

Lt approach rail at bent 12 end has collision damage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description