

# Bridge Inspection Report

**05607**

**I-555 SB-02-LM4.07**

**over**

**DEAD TIMBER LAKE**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	11

Inspector:

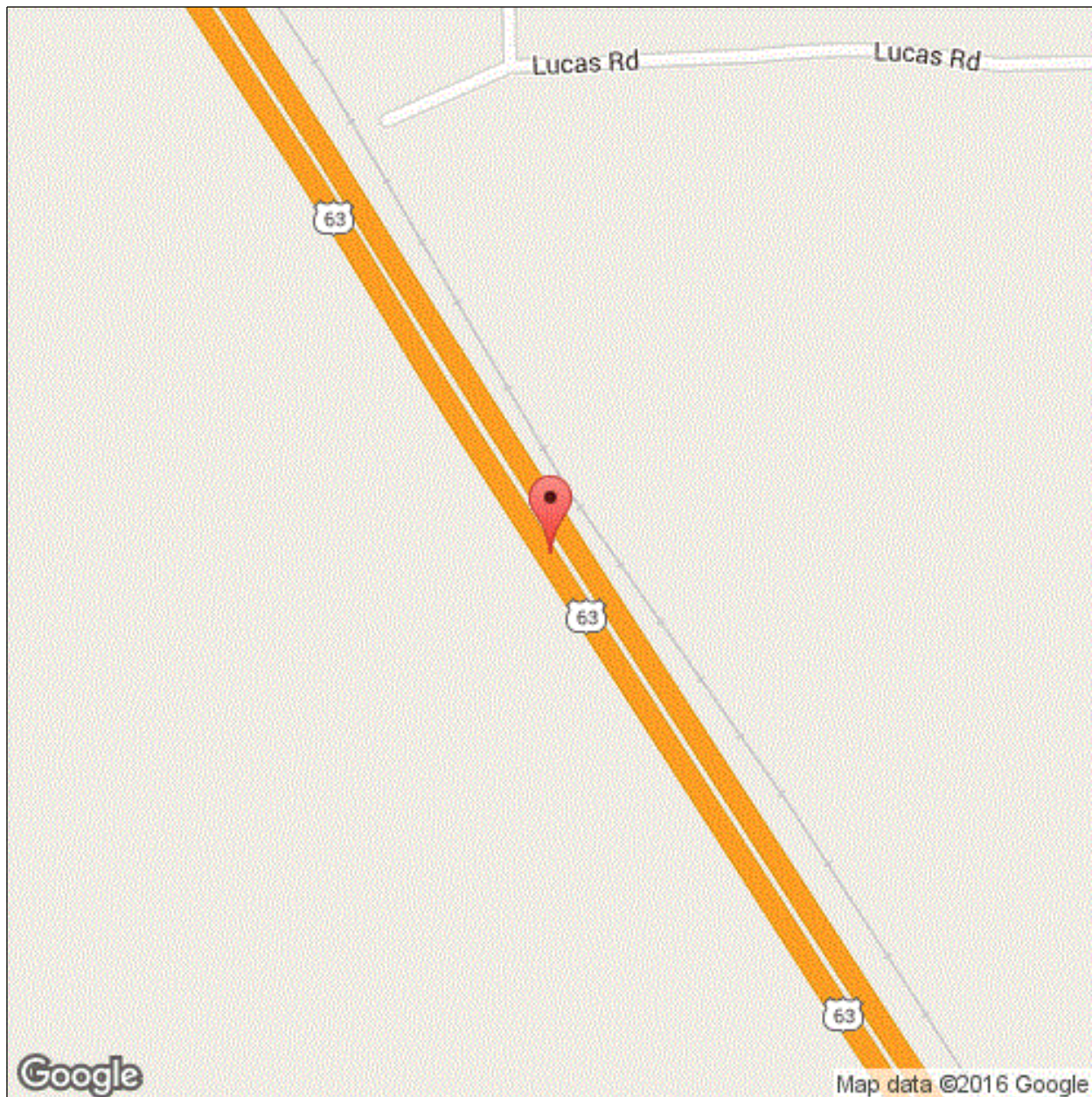
Structure Number: 05607

Inspection Date:

Facility Carried: I-555 SB-02-LM4.07

### Bridge Inspection Report

### Location Map



Latitude: 35.44110

Longitude: -90.30463



Inspector:

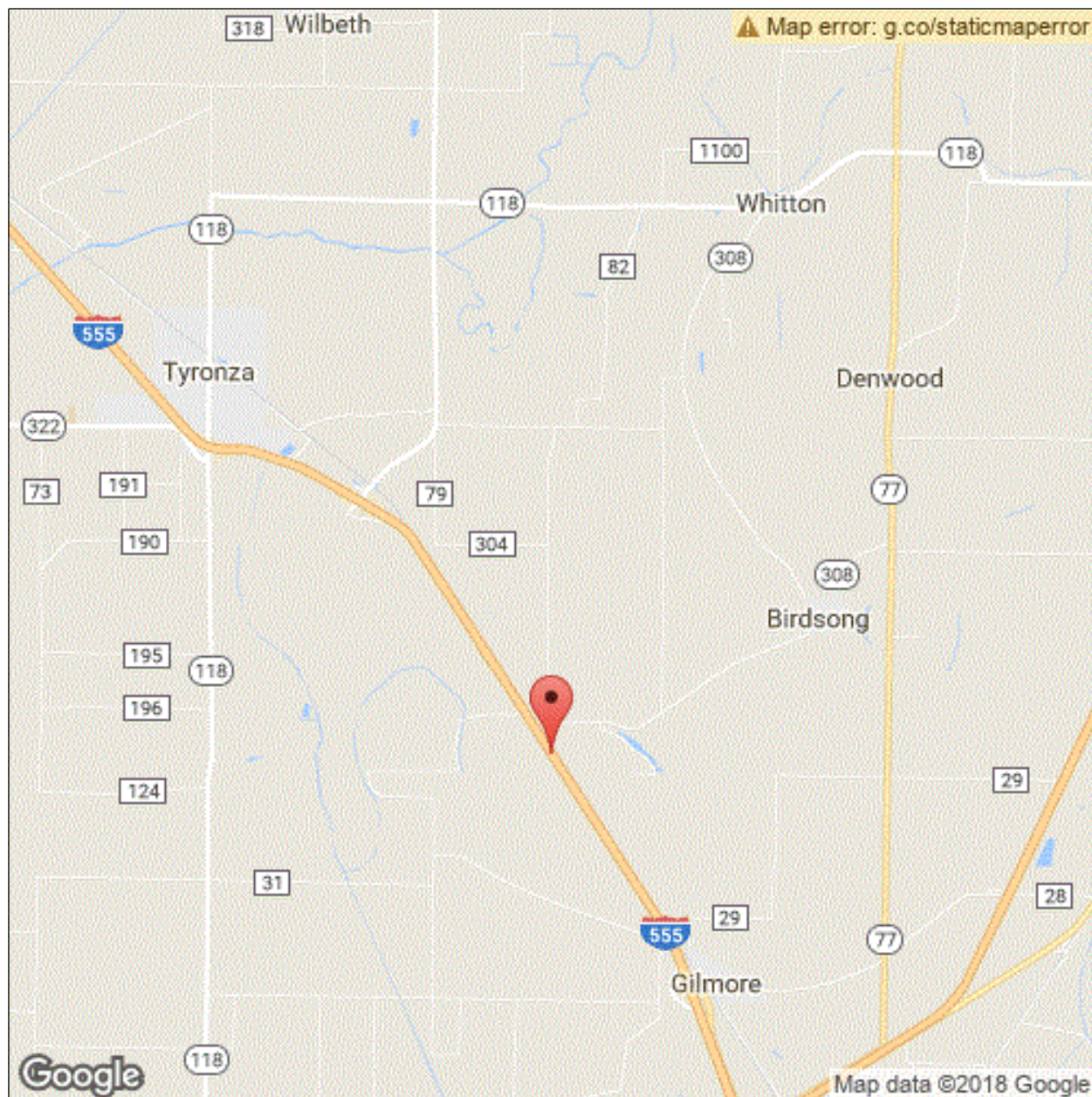
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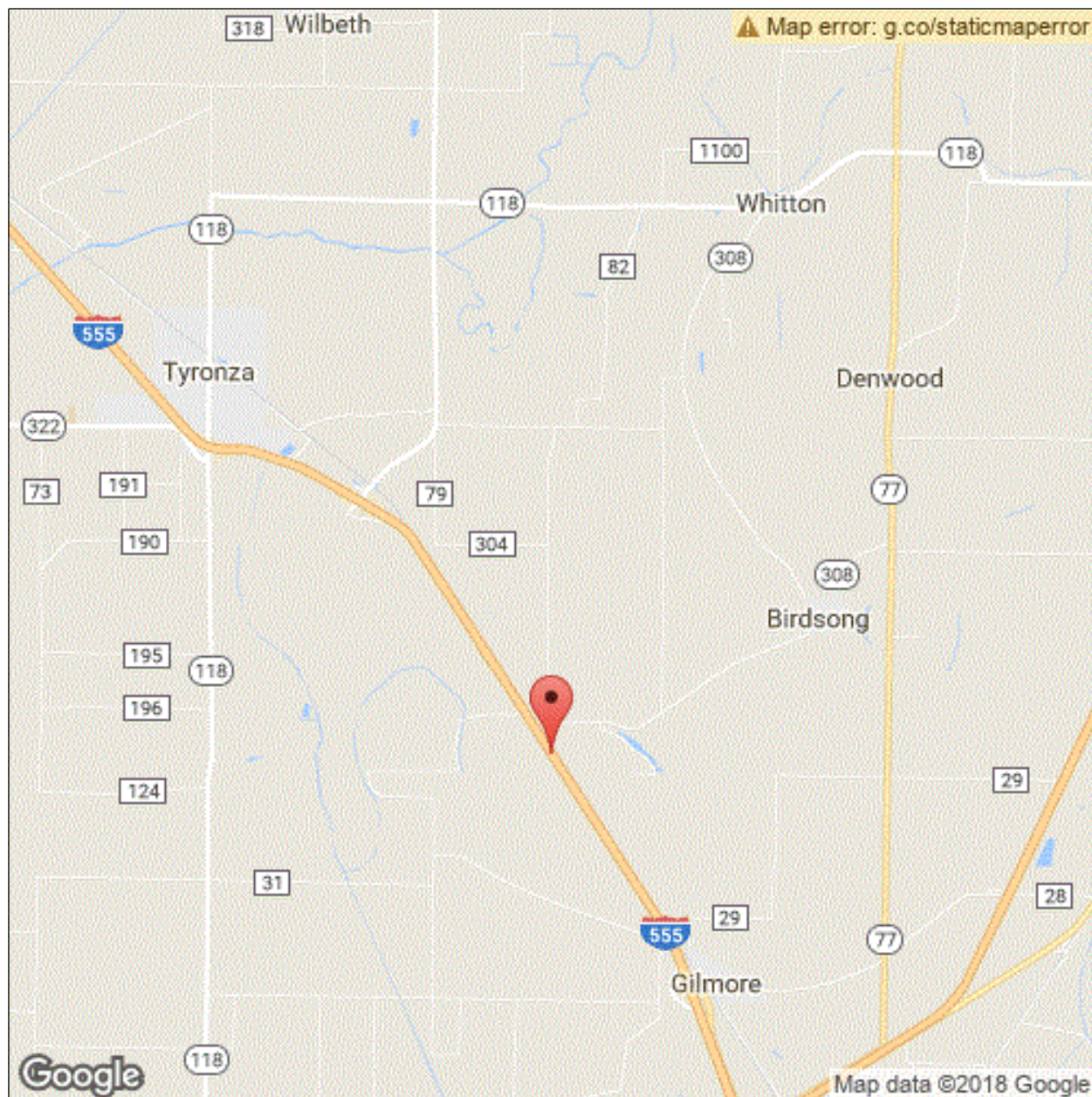
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**Bridge Inspection Report**

**Executive Summary**

Inspector:

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/13/2018
(8) STRUCTURE NUMBER	05607	(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	DEAD TIMBER LAKE	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555 SB-02-LM4.07		
(9) LOCATION	.1 MI NW CRITTENDEN CO LN		
(11) MILEPOINT 4.07	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063090 (13B) SUBROUTE NUMBER 01		
(16) LATITUDE 35.44110	(17) LONGITUDE -90.30463		
(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 7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION 7	(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 3	(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	60.0
(29) AVERAGE DAILY TRAFFIC 11275	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2013		(66) INVENTORY RATING	36.0
(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.) 30	(49) STRUCTURE LENGTH (ft.) 90	(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.) 41.7		(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 25	(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 96.9	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 5588	(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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## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>38 - Reinforced Concrete Slab</b>	1- Ben.	3753	sq. ft.	0	3168	585	0
1080 - Delamination/Spall/Patched Area		90			10	80	
1090 - Exposed Rebar		10				10	
1120 - Efflorescence/Rust Staining		75			30	45	
1130 - Cracking (RC and Other)		375				375	
1190 - Abrasion/Wear (PSC/RC)		3203			3128	75	
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	12	each	11	1	0	0
1130 - Cracking (RC and Other)		1			1		
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	199	ft.	182	4	13	0
1080 - Delamination/Spall/Patched Area		1				1	
1120 - Efflorescence/Rust Staining		1				1	
1130 - Cracking (RC and Other)		15			4	11	
<b>301 - Pourable Joint Seal</b>	1- Ben.	172	ft.	0	43	43	86
2320 - Seal Adhesion		172			43	43	86
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	1170	sq. ft.	987	78	105	0
1080 - Delamination/Spall/Patched Area		20				20	
1130 - Cracking (RC and Other)		78			78		
4000 - Settlement		85				85	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	180	ft.	170	10	0	0
1130 - Cracking (RC and Other)		10			10		



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## Bridge Inspection Report

### Pictures

PHOTO 1

Description channel profile

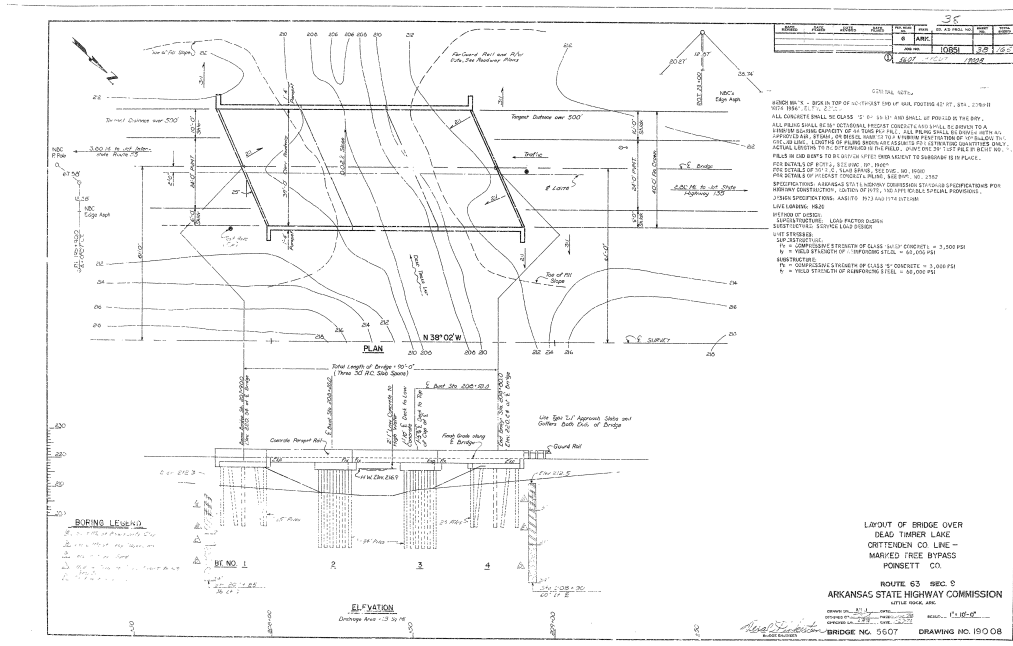


PHOTO 1

Description layout

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## Pictures

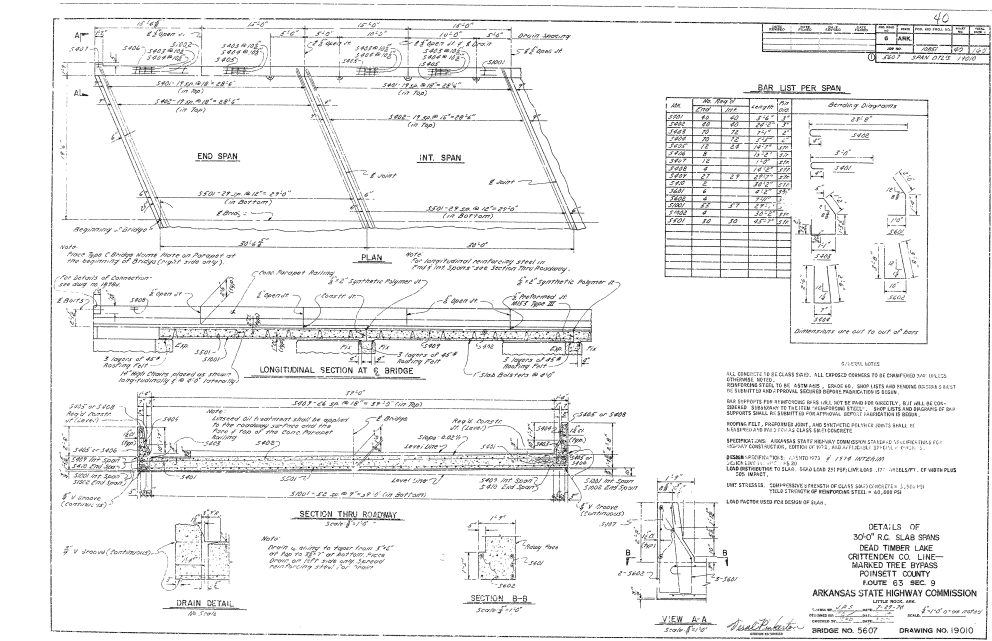


PHOTO 2

Description slab details

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**Bridge Inspection Report**

**Sketches**



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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 material top of deck, all bents.  
is separated or missing.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

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:

Bent 1 approach slab has a few spalls and is cracked and has settled in the past in the Lt lane. Slab is partially covered with asphalt.

### 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:

Slabs have minor abrasion throughout with areas of moderate abrasion in wheel path.  
Slabs have longitudinal unsealed cracks, and several spalled areas with some rebar exposed.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description



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## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor



PHOTO 4 Description

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### Bridge Inspection Report

#### Maintenance Needs

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

Priority: D - Routine

Work Code:

---

#### Deficiency Description:

Bent 1 is undermined 6" - 1' below and up to 2' back under.

Bent 4 cap is undermined full length up to 1.5' below cap and 2' back under.

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:

---