

# Bridge Inspection Report

**06746**  
**US 63-14 LM 4.63**  
**over**  
**Sandy Creek**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	6
ELEMENTS	7
PICTURES	9
SKETCHES	10

Inspector:

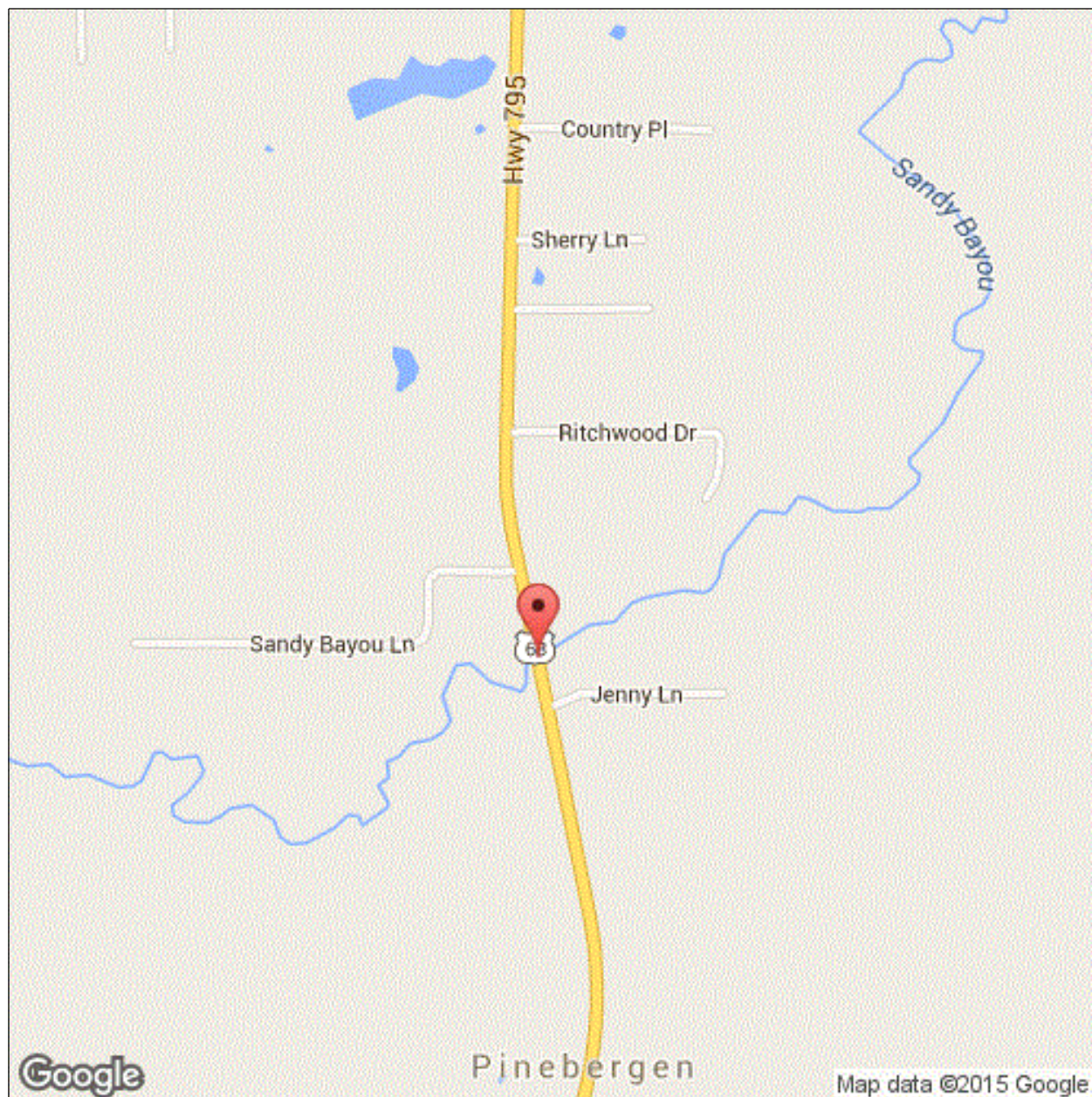
Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

### Bridge Inspection Report

### Location Map



Latitude: 34.10955

Longitude: -91.99325

Inspector:

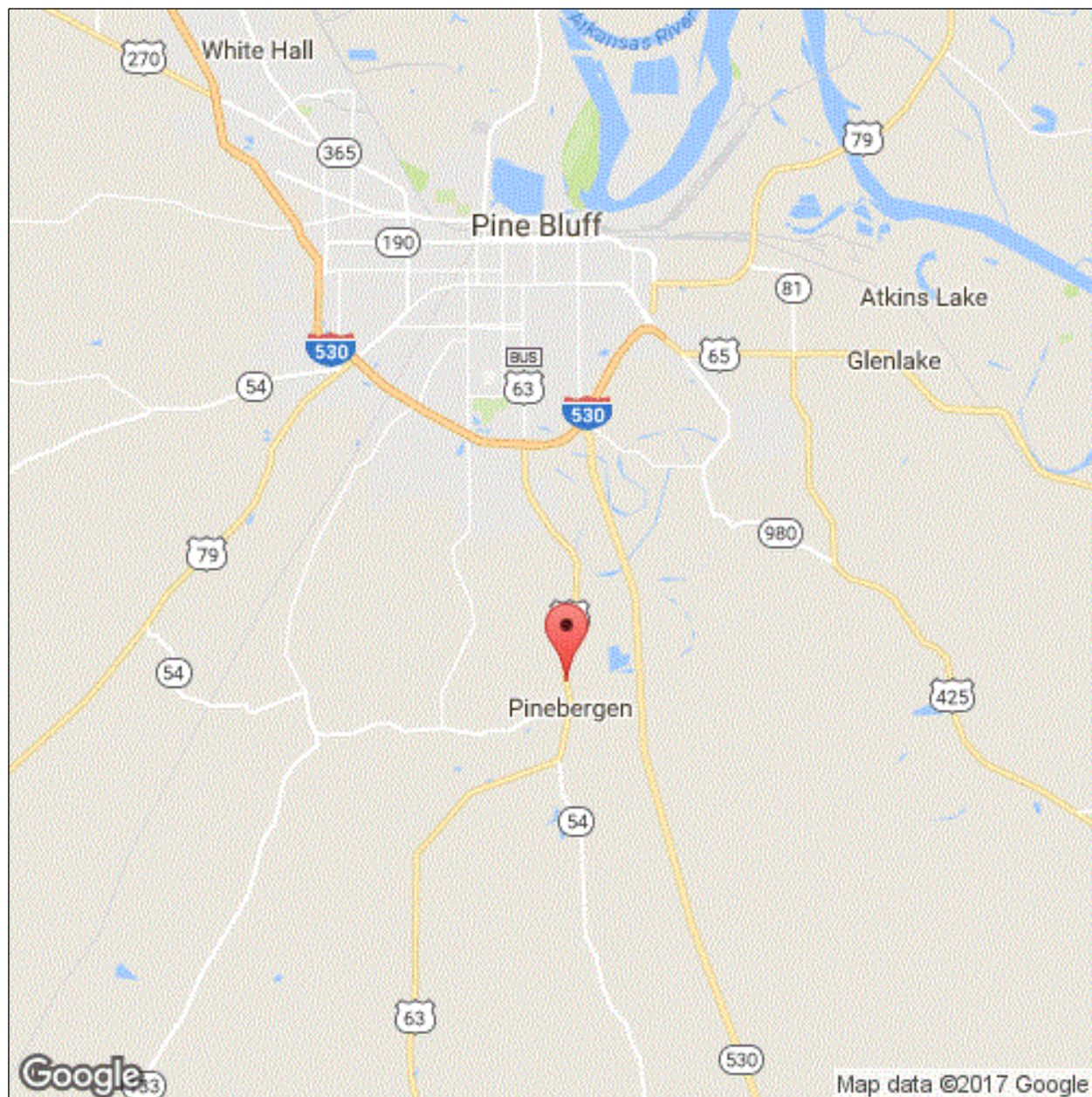
Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

## Bridge Inspection Report

### Location Map



Latitude: 34.10955

Longitude: -91.99325

**Inspector:**

**Structure Number:** 06746

**Inspection Date:**

**Facility Carried:** US 63-14 LM 4.63

**Bridge Inspection Report**

**Executive Summary**

Bridge is logged from north to south.

01-03-2008, Dropping UW inspection due to sub-str. elements are not continuously submerged. RLW.

Inspector:

Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/04/2019
(8) STRUCTURE NUMBER	06746	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 63 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02 (3) COUNTY CODE 069	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Sandy Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 63-14 LM 4.63		
(9) LOCATION	0.6 Mi N SH 54-Pinebergen		
(11) MILEPOINT 4.630	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.10955	(17) LONGITUDE -91.99325		
(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	7 (60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	8 (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 4	(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 2003	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	6
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 05 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 6200	(19) BYPASS DETOUR LENGTH 10	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(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.) 119	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 73.8		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 76.9		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 74.1		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 24	(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.) 74.8		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.90		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	95.4 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.)		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(95) ROADWAY IMPROVEMENT COST (\$)		(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST		(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 10640	(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

Inspector:

Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>16 - Reinforced Concrete Top Flange</b>	1- Ben.	9082	sq. ft.	7846	472	867	0
	Deck: 76.9' wide x 118.1' long = 9082 sqft. All spans: Unsealed, moderate-sized diagonal and longitudinal cracks, mainly on right-side half of bridge with reflective efflorescence on soffit.  Right side. Equivalent to 24 full-length cracks - of which 6 are CS3 cracking; 9 are CS2 cracking 9 are CS3 efflorescence. Left side. Equivalent to 3 full-length cracks - CS2 cracking.  Bent 3 left: Map cracking on both sides of joint - 4' wide 39' long. (156 sq ft CS3)						
1120 - Efflorescence/Rust Staining		475		0	0	475	0
1130 - Cracking (RC and Other)		864		0	472	392	0
<b>110 - Reinforced Concrete Open Girder/Beam</b>	1- Ben.	945	ft.	945	0	0	0
	Girders: 8 per span / Spans 1-4 (29.5' each = 118.1' total span). Some minor cracking in concrete diaphragms at bottom corners at bents with some efflorescence leaking through.						
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	205	ft.	205	2	0	0
	Abutments: 85.5' each (skewed with 8.5' wings each corner) / Bents 1 & 5.						
1120 - Efflorescence/Rust Staining		2		0	2	0	0
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	30	each	20	10	0	0
	Piling: 10 per bent / Bents 2-4.						
1190 - Abrasion/Wear (PSC/RC)		10		0	10	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	258	ft.	252	0	6	0
	Caps: 86' each (skewed) / Bents 2-4 Some efflorescence running down caps, mainly around center-line construction joint and adjacent to cracks in deck.  Bent 2 @ Pile 7: Cracking with efflorescence leaking onto pile. Bent 3 @ Pile 7: Cracking with efflorescence. Bent 4 @ Pile 7: Cracking with efflorescence leaking onto pile.						
1120 - Efflorescence/Rust Staining		6		0	0	6	0
<b>301 - Pourable Joint Seal</b>	1- Ben.	243	ft.	0	243	0	0
	Joints: 81' each / Bents 2-4. Minor to moderate loss of adhesion across most of joint with some minor cracking/spalling of adjacent deck.						
2320 - Seal Adhesion		243		0	243	0	0

Inspector:

Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

### Bridge Inspection Report

#### Element Inspection

331 - Reinforced Concrete Bridge Railing	1- Ben.	238	ft.	238	0	0	0
Railing: 119' each side.							

**Inspector:**

**Inspection Date:**

**Structure Number:** 06746

**Facility Carried:** US 63-14 LM 4.63

**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

**Inspector:**

**Inspection Date:**

**Structure Number:** 06746

**Facility Carried:** US 63-14 LM 4.63

**Bridge Inspection Report**

**Sketches**

Inspector:

Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

### Bridge Inspection Report

## Maintenance Needs

Date Reported: 11/7/2011 12:00:00 AM

Priority: D - Routine

Work Code: N/A

### Deficiency Description:

Deck – all spans: Unsealed, minor- to moderate-sized diagonal and longitudinal cracks, mainly on right-side half of bridge with reflective efflorescence on soffit.

### Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1      Description      Deck - Span 3 right : Cracking

Stage: Monitor



PHOTO 1      Description      Soffit - Span 2 : Typical

Inspector:

Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

## Bridge Inspection Report

### Maintenance Needs

Stage: Monitor



PHOTO 2    Description    Deck - Span 1 : Cracking

Stage: Monitor



PHOTO 3    Description    Deck - Span 3 : Cracking

Stage: Monitor



PHOTO 5    Description    Deck -Span 2 : Cracking

Inspector:

Structure Number: 06746

Inspection Date:

Facility Carried: US 63-14 LM 4.63

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 10/03/2017

Priority: G - General/ Preventive maintenance

Work Code: N/A

---

#### Deficiency Description:

Joints - Bents 2-4:

Minor to moderate loss of adhesion across most of joint with some minor cracking/spalling of adjacent deck.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---