

# Bridge Inspection Report

**A0963**  
**SH 365-14 LM 14.13**  
**over**  
**Caney Bayou**



**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:

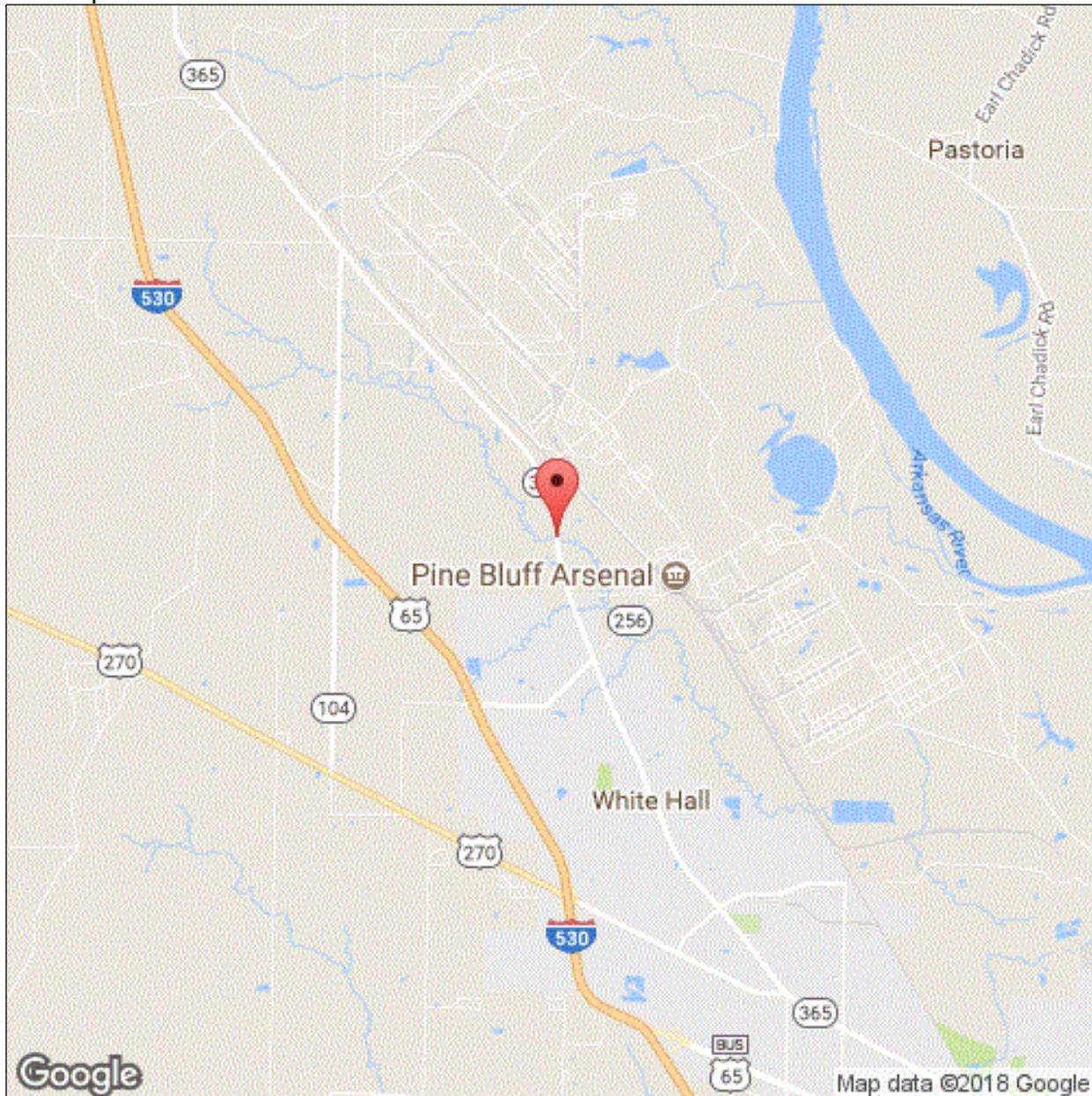
Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

Location Map



Latitude: 34.30791

Longitude: -92.10586

Inspector:

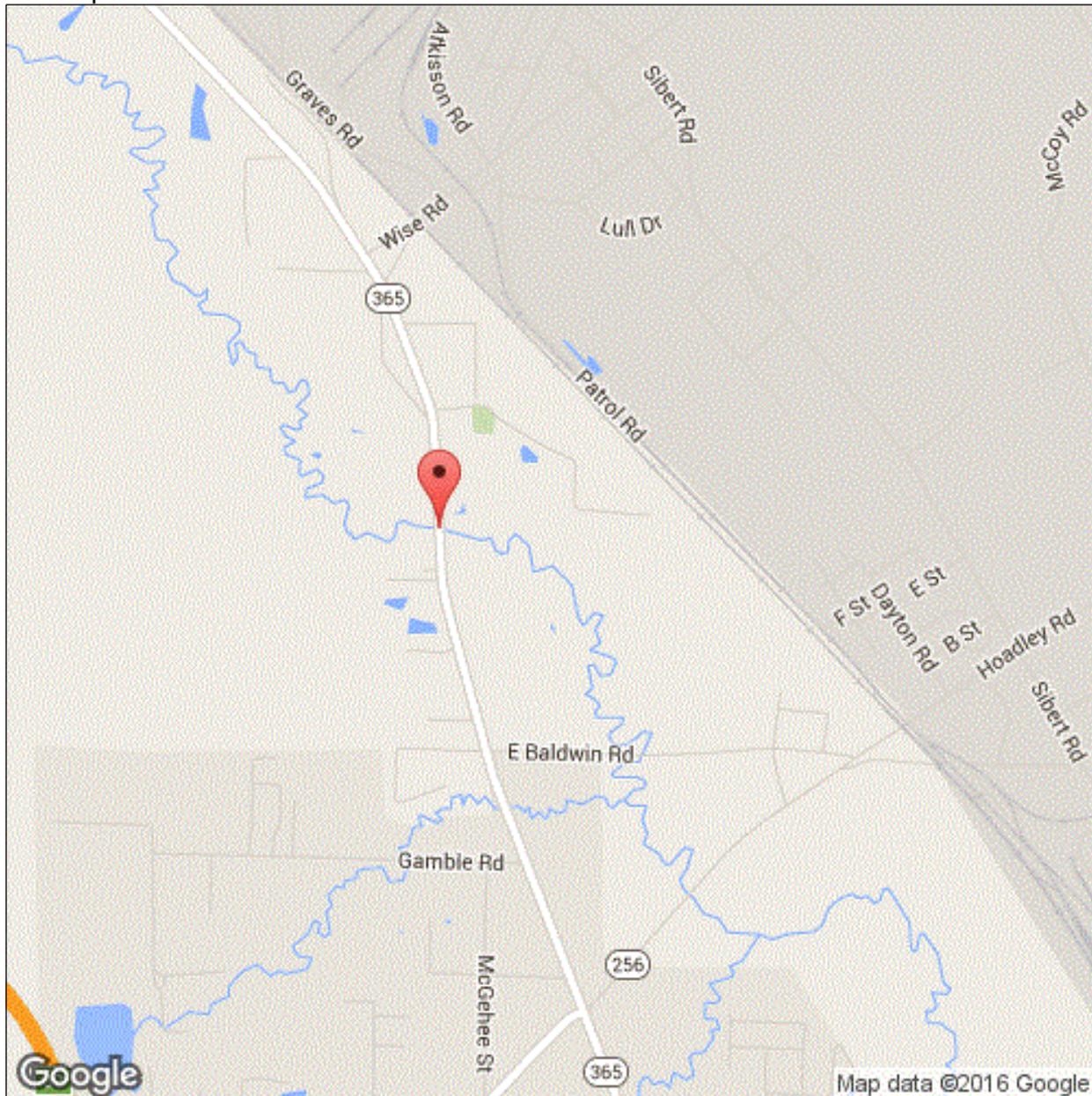
Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

### Bridge Inspection Report

### Location Map



Latitude: 34.30791

Longitude: -92.10586

Inspector:

Inspection Date:

Structure Number: A0963

Facility Carried: SH 365-14 LM  
14.13

## Bridge Inspection Report

### Executive Summary

Bridge is logged from north to south.

Inspector:

Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	01/22/2018		
(8) STRUCTURE NUMBER	A0963			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	3	1 365 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	Caney Bayou			C. OTHER SPECIAL	N		
(7) FACILITY CARRIED	SH 365-14 LM 14.13			CONDITION			
(9) LOCATION	2.4 Mi S SH 104-WhiteHall			(58) DECK	7		
(11) MILEPOINT 14.130	(12) BASE HIGHWAY NETWORK 0			(59) SUPERSTRUCTURE 7	(60) SUBSTRUCTURE 6		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00			(61) CHANNEL & CHANNEL PROTECTION	6	(62) CULVERT N	
(16) LATITUDE 34.30791	(17) LONGITUDE -92.10586			LOAD RATING AND POSTING			
(98A) BORDER BRIDGE CODE				(31) DESIGN LOAD	4		
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
STRUCTURE TYPE AND MATERIAL				(64) OPERATING RATING	44.0		
(43) STRUCTURE TYPE, MAIN				(65) METHOD USED TO DETERMINE INVENTORY RATING	1		
A) KIND OF MATERIAL/DESIGN:	1 - Concrete			(66) INVENTORY RATING	27.0		
B) TYPE OF DESIGN/CONSTR:	04 - Tee Beam			(70) BRIDGE POSTING	5		
(44) STRUCTURE TYPE, APPROACH SPANS				(41) STRUCTURE OPEN/POSTED/CLOSED	A		
A) KIND OF MATERIAL/DESIGN:	0 - Other			APPRAISAL			
B) TYPE OF DESIGN/CONSTR:	00 - Other			(67) STRUCTURAL EVALUATION	6		
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 0			(68) DECK GEOMETRY	4		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6			(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0			(71) WATERWAY ADEQUACY	8		
AGE OF SERVICE				(72) APPROACH ROADWAY ALIGNMENT	8		
(27) YEAR BUILT 1929	(106) YEAR RECONSTRUCTED 1956			(36) TRAFFIC SAFETY FEATURE			
(42) TYPE OF SERVICE ON 1	UNDER 5			36A) BRIDGE RAILINGS:	0		
(28) LANES ON 02	UNDER 00			36B) TRANSITIONS:	0		
(29) AVERAGE DAILY TRAFFIC 3200	(19) BYPASS DETOUR LENGTH 10			36C) APPROACH GUARDRAIL:	0		
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014				36D) APPROACH GUARDRAIL ENDS:	0		
(109) AVERAGE DAILY TRUCK TRAFFIC 1				(113) SCOUR CRITICAL BRIDGES	5		
GEOMETRIC DATA				SUFFICIENCY RATING	0	STATUS 69.4	
(48) LENGTH OF MAX SPAN (ft.) 30	(49) STRUCTURE LENGTH (ft.) 90			CLASSIFICATION			
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.8	RIGHT 1.8		(112) NBIS BRIDGE LENGTH	Y		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9			(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	34			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07		
(32) APPROACH ROADWAY WIDTH (ft.)	30.8			(100) STRAHNET HIGHWAY DESIGNATION	0		
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0			(101) PARALLEL STRUCTURE DESIGNATION	N		
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99			(102) DIRECTION OF TRAFFIC	2		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	27.9			(103) TEMP STRUCTURE			
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			(105) FEDERAL LANDS HIGHWAYS	0		
(54) VERTICAL UNDER CLEARANCE (ft.)	N	0		(110) DESIGNATED NATIONAL NETWORK	0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N	99.9		(20) TOLL	3		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0			(21) MAINTENANCE RESPONSIBILITY	01		
PROPOSED IMPROVEMENTS				(22) OWNER	01		
(75A) TYPE OF WORK PROPOSED 35	(75B) WORK DONE BY 1			(37) HISTORICAL	5		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	90			NAVIGATION DATA			
(94) BRIDGE IMPROVEMENT COST (\$)	0			(38) NAVIGATION CONTROL	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0			(111) PIER OR ABUTMENT PROTECTION	5		
(96) TOTAL PROJECT COST	137			(39) NAV VERT CLEARANCE (ft.)	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2000			(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0		
(114) FUTURE ADT 4053	(115) YEAR OF FUTURE ADT 2028			(40) NAV HORIZONTAL CLEARANCE (ft.)	0		

Inspector:  
 Inspection Date:

Structure Number: A0963  
 Facility Carried: SH 365-14 LM  
 14.13

Bridge Inspection Report

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.	3060	sq. ft.	3005	40	15	0
Deck: 34' wide x 90' long. Soffit: Span 1 Bay 2: A couple of small spalls with steel exposed. CS3 15' Some minor transverse cracking with efflorescence & rust staining (2-3 locations per span), mainly on Spans 1 & 2.							
1090 - Exposed Rebar		15				15	
1120 - Efflorescence/Rust Staining		40			40		
510 - Wearing Surfaces		2520	sq. ft.	2520			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	450	ft.	445	5	0	0
Girders: 5 per span / 90' total span.							
1080 - Delamination/Spall/Patched Area		2			2		
1130 - Cracking (RC and Other)		3			3		
205 - Reinforced Concrete Column	1- Ben.	10	each	0	9	1	0
Columns: 5 per bent / Bents 2 & 3. Bent 3 Column 1 & cap above: Cracking, delaminations, & spalling with steel exposed on back side. Bent 3 Column 5: Spalling with steel exposed on right ahead corner beginning at cap down 4'. Scattered minor-sized cracking and delamination on remaining columns.							
1080 - Delamination/Spall/Patched Area		2			2		
1090 - Exposed Rebar		2			1	1	
1130 - Cracking (RC and Other)		6			6		
215 - Reinforced Concrete Abutment	1- Ben.	68	ft.	68			
Abutments: 34' each / Bents 1 & 4.							
234 - Reinforced Concrete Pier Cap	1- Ben.	52	ft.	18	8	26	0
Caps: 26' each / Bents 2 & 3. Bent 3 back: Cracking above Column 1. Spalling with some steel exposed on bottom corner between Columns 2 & 3. Some horizontal cracking near top of back face between Girders 2 & 3 and Girders 3 & 4. Bent 3 ahead: Cracking and delaminations on seats of Girders 2 & 4. Scattered minor-sized cracking and delamination on remaining caps.							
1080 - Delamination/Spall/Patched Area		3			3		
1090 - Exposed Rebar		9			3	6	
1130 - Cracking (RC and Other)		22			2	20	

Inspector:

Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

Element Inspection

330 - Metal Bridge Railing	1- Ben.	180	ft.	180			
	Railing: 90' each side. Coating: 2.5 square feet per linear feet of railing. Metal railing with concrete posts. Primer showing through metal railing in most places.						
515 - Steel Protective Coating		450	sq. ft.	0	450	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		450			450		

Inspector:

Inspection Date:

Structure Number: A0963

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

Pictures

Inspector:

Inspection Date:

Structure Number: A0963

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

Sketches

Inspector:

Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

**Maintenance Needs**

Date Reported: 1/18/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

---

**Deficiency Description:**

Cap – Bent 3 ahead: Cracking and delaminations/ spall on seats of Girders 2 & 4.

**Work Description:**

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1    Description    Span 3 Girder 4 @ Bent 3: Exposed rebar

Inspector:

Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

Maintenance Needs

Date Reported: 1/18/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

---

Deficiency Description:

Bent 3 Column 1 & cap above: Cracking, delaminations, & spalling with steel exposed on back side.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description Bent 3 - Column 1: Steel exposed

Inspector:

Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

**Maintenance Needs**

Date Reported: 1/18/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

---

Deficiency Description:

Bent 3 Column 5: Spalling with steel exposed on right ahead corner beginning at cap down 4'.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description Bent 3 - Column 5: Exposed rebar

Inspector:

Structure Number: A0963

Inspection Date:

Facility Carried: SH 365-14 LM  
14.13

Bridge Inspection Report

**Maintenance Needs**

Date Reported: 1/18/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code: N/A

---

Deficiency Description:

Cap – Bent 3 back: Spalling with some steel exposed on bottom corner between Columns 2 & 3.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description Cap - Bent 3: Cracking/exposed rebar