

# Bridge Inspection Report

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



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

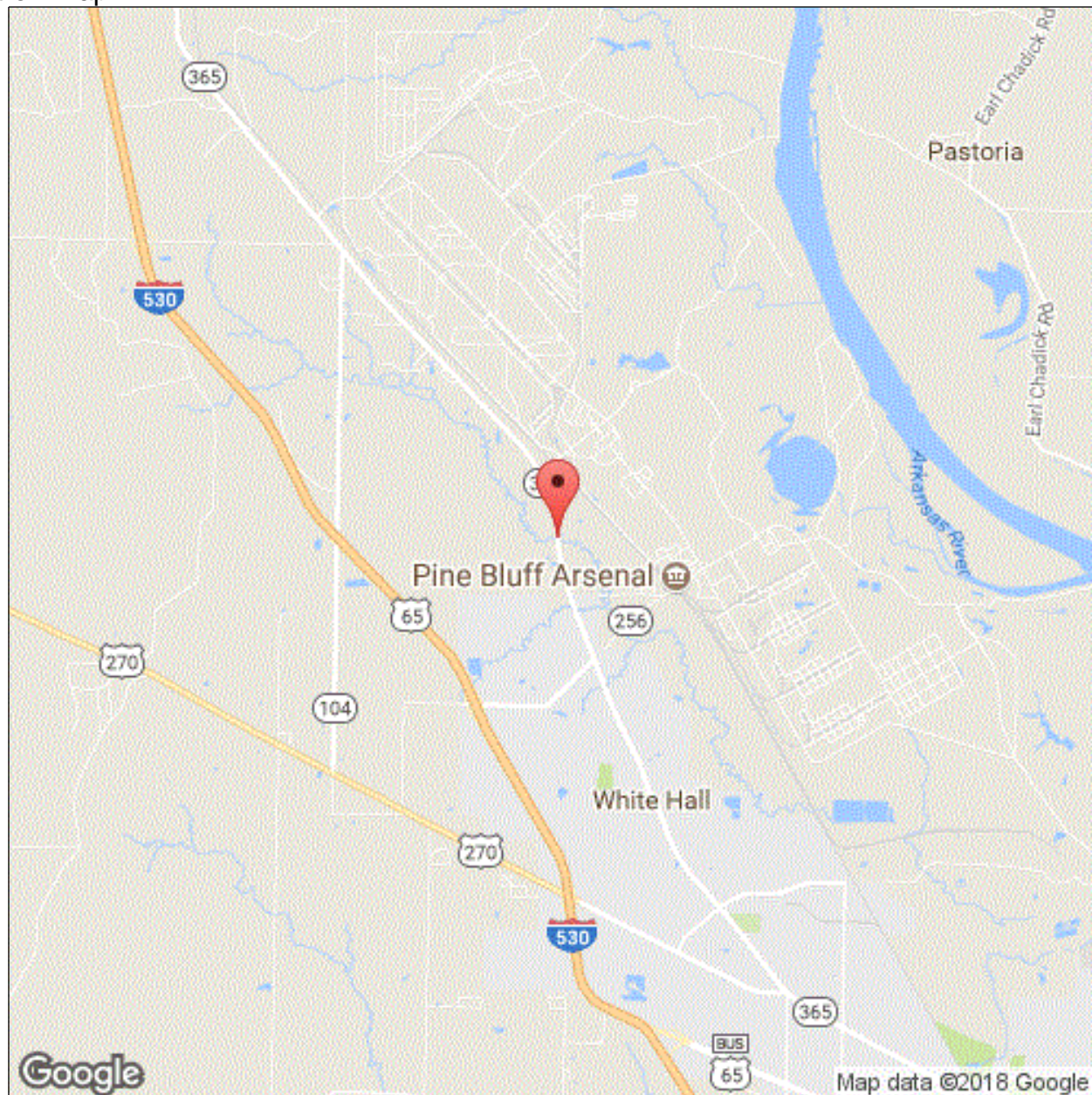
Inspection Date:

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Facility Carried: SH 365-14 LM  
14.13

### Bridge Inspection Report

#### Location Map



Latitude: 34.30791

Longitude: -92.10586



Inspector:

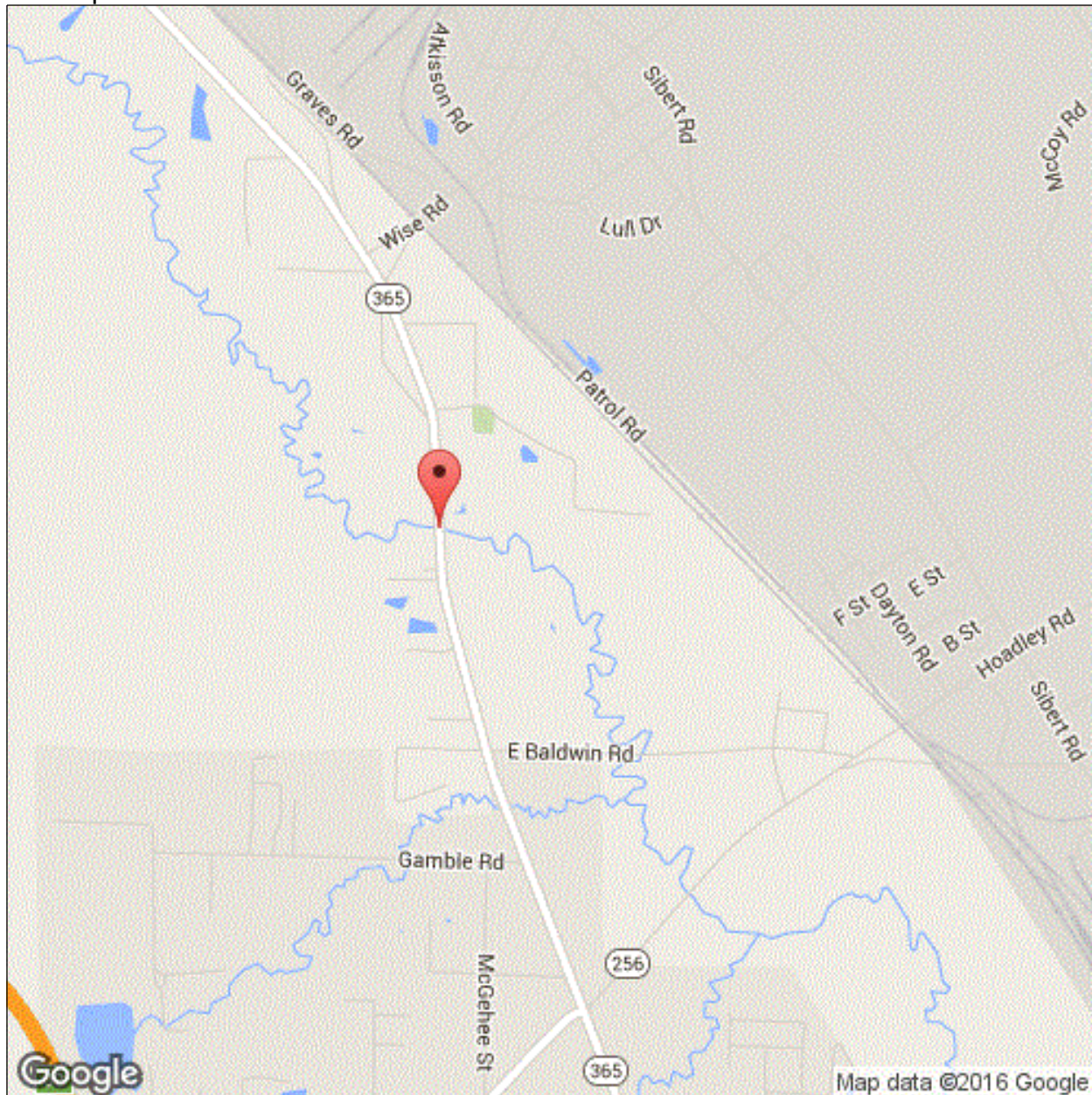
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## Bridge Inspection Report

### Location Map



Latitude: 34.30791

Longitude: -92.10586

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### Executive Summary

Bridge is logged from north to south.

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## 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	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1929 (106) YEAR RECONSTRUCTED	(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	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.)	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.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(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	(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	(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
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	

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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		



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## Bridge Inspection Report

Pictures

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## Bridge Inspection Report

Sketches

Inspector:

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### Bridge Inspection Report

#### Maintenance Needs

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

Priority: G - General/ Preventive maintenance

Work Code: N/A

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#### Deficiency Description:

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

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



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

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#### 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



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#### 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

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### 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:

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Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



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