

Bridge Inspection Report

**A1009
SH 365-14 LM 14.77
over
Gamble Bayou**



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

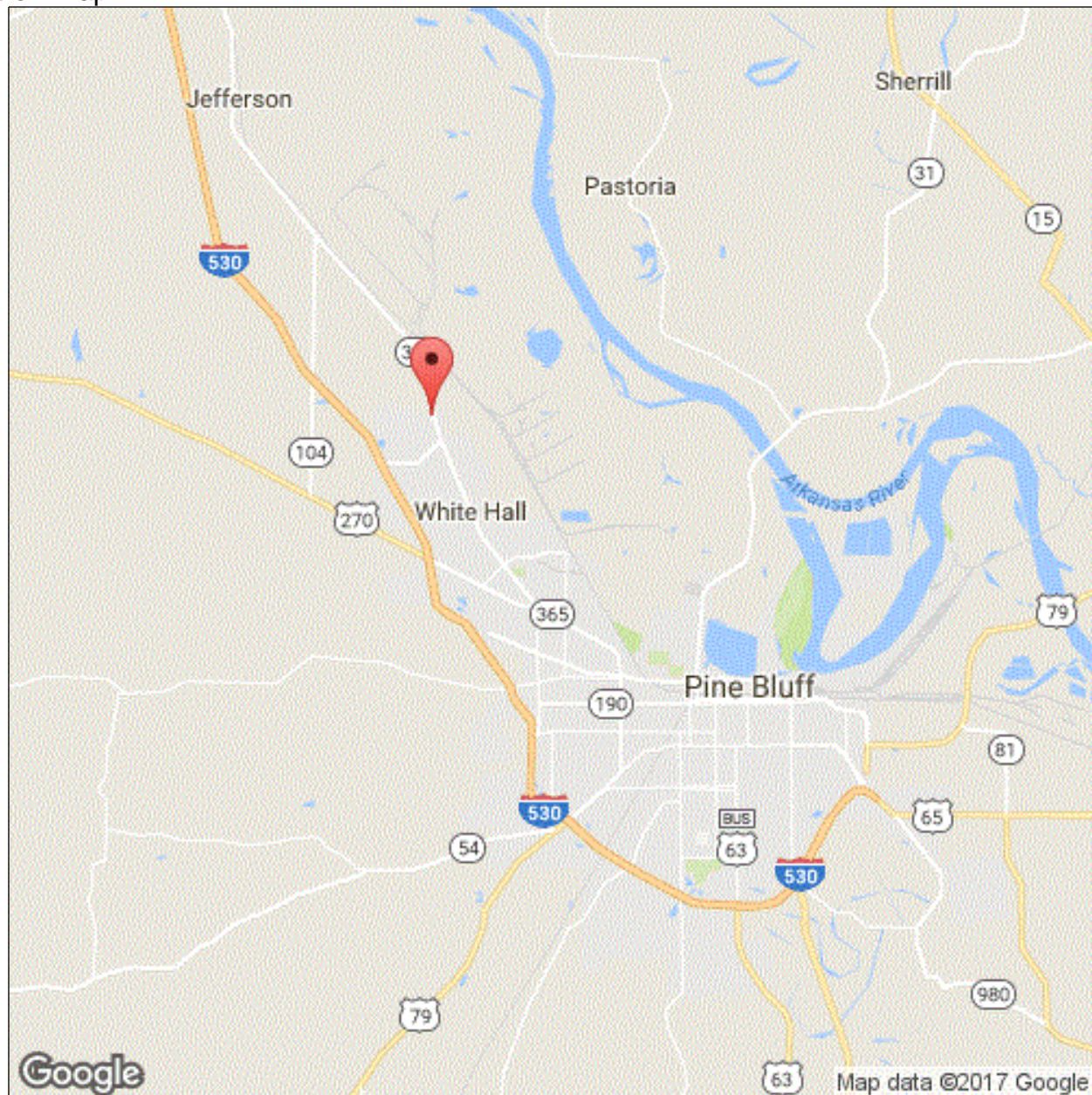
Inspection Date:

Structure Number: A1009

Facility Carried: SH 365-14 LM
14.77

Bridge Inspection Report

Location Map



Latitude: 34.29876067781084

Longitude: -92.1032622547944

Inspector:

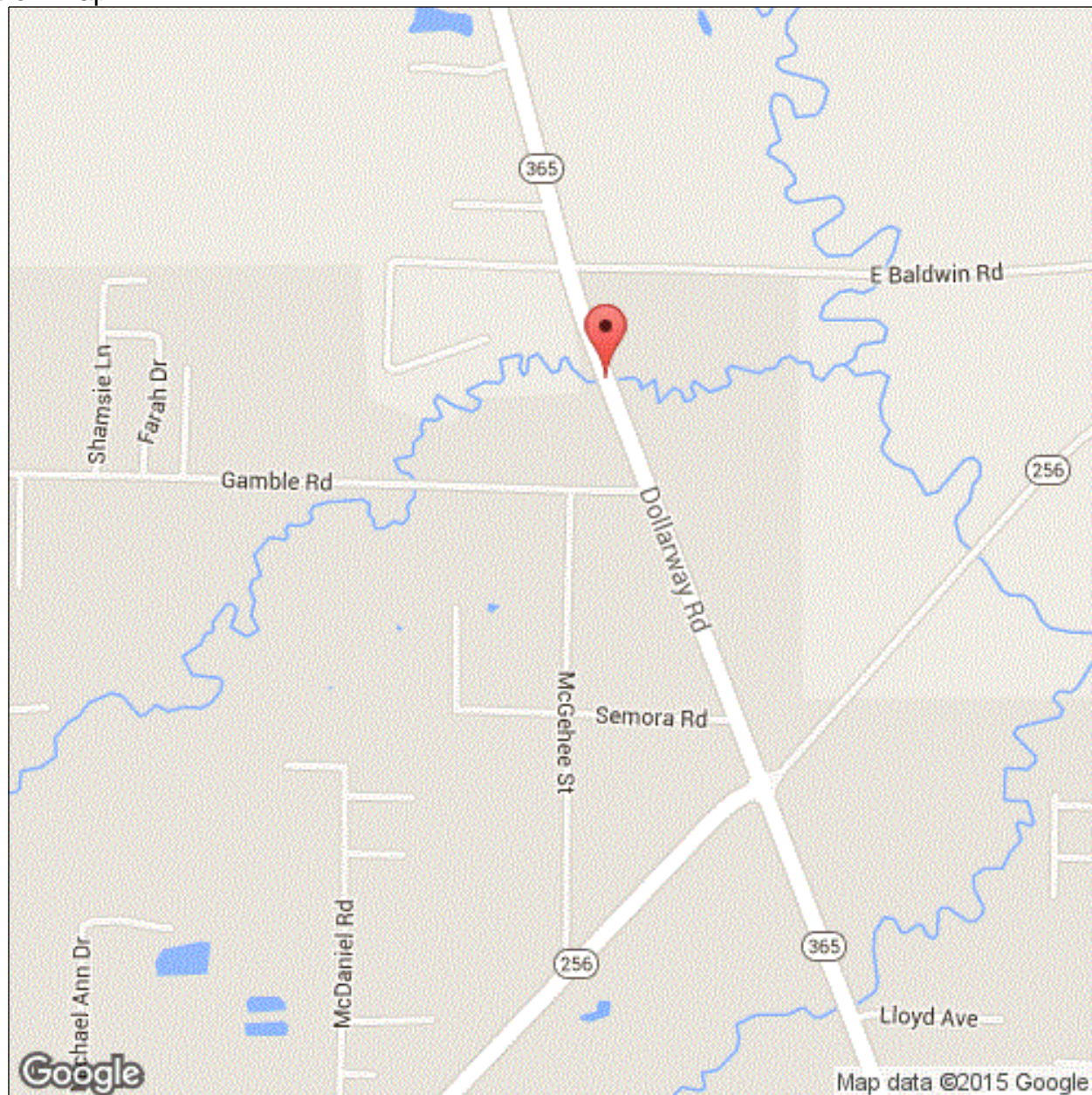
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Location Map



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Executive Summary

Bridge is logged from north to south.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/04/2017
(8) STRUCTURE NUMBER	A1009	(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
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	Gamble Bayou	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	SH 365-14 LM 14.77	C. OTHER SPECIAL	N
(9) LOCATION	0.5 Mi N SH 256-WhiteHall	CONDITION	
(11) MILEPOINT	14.777	(58) DECK	7
(12) BASE HIGHWAY NETWORK	0	(59) SUPERSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000000000	(60) SUBSTRUCTURE	7
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	6
(16) LATITUDE	34.29876067781084	(62) CULVERT	N
(17) LONGITUDE	-92.1032622547944	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	45.0
(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	1	(68) DECK GEOMETRY	6
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(107) DECK STRUCTURE TYPE	1	(71) WATERWAY ADEQUACY	8
(108A) WEARING SURFACE	6	(72) APPROACH ROADWAY ALIGNMENT	8
(108B) DECK MEMBRANE	0	(36) TRAFFIC SAFETY FEATURE	
(108C) DECK PROTECTION	0	36A) BRIDGE RAILINGS:	0
AGE OF SERVICE		36B) TRANSITIONS:	0
(27) YEAR BUILT	1929	36C) APPROACH GUARDRAIL:	0
(106) YEAR RECONSTRUCTED	1956	36D) APPROACH GUARDRAIL ENDS:	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	(113) SCOUR CRITICAL BRIDGES	5
(28) LANES	ON 02 UNDER 00	SUFFICIENCY RATING	0
(29) AVERAGE DAILY TRAFFIC	3200	STATUS	87.2
(19) BYPASS DETOUR LENGTH	10	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(48) LENGTH OF MAX SPAN (ft.)	30	(100) STRAHNET HIGHWAY DESIGNATION	0
(49) STRUCTURE LENGTH (ft.)	30	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1 RIGHT 1	(102) DIRECTION OF TRAFFIC	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	42.0	(110) DESIGNATED NATIONAL NETWORK	0
(33) BRIDGE MEDIAN	0	(20) TOLL	3
(34) SKEW (DEG.)	0	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0	(22) OWNER	01
(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(37) HISTORICAL	5
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(111) PIER OR ABUTMENT PROTECTION	5
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
PROPOSED IMPROVEMENTS		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(75A) TYPE OF WORK PROPOSED	35		
(75B) WORK DONE BY	1		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	30		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	55		
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2000		
(114) FUTURE ADT	4053		
(115) YEAR OF FUTURE ADT	2028		

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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.	1260	sq. ft.	1257	3	0	0
	Deck: 42' wide x 30' long Minor- sized transverse cracks in asphalt wearing surface at bridge ends. Soffit: Span 1 Bays 1, 3, 4, & 5: A few scattered lines of light diagonal, longitudinal, and transverse efflorescence.						
1120 - Efflorescence/Rust Staining		3			3		
510 - Wearing Surfaces		1200	sq. ft.	1200			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	210	ft.	210			
	Girders: 7 per span / 30' total span. A couple of very small pop outs on bottom of girders.						
215 - Reinforced Concrete Abutment	1- Ben.	128	ft.	120	8	0	0
	Abutments: 64' each / Bents 1 & 2. Bent 1 left: Some vertical cracking with moderate efflorescence. Bent 1 right: Vertical cracking with minor efflorescence. Bent 2 left and right: Vertical cracking with minor efflorescence. NOTE: Cracking and efflorescence is located just outside of cold-joint at edge of original abutment. Scour: Approach roadway - Bent 2 right: Erosion behind the end of the wingwall - 4' deep. Channel enters bridge at end of wingwall and flows on both sides.						
1120 - Efflorescence/Rust Staining		1			1		
1130 - Cracking (RC and Other)		3			3		
6000 - Scour		4			4		

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Pictures

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Sketches

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Maintenance Needs

Date Reported: 10/04/2017

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Approach roadway - Bent 2 right: Erosion behind the end of the wingwall - 4' deep.
Channel enters bridge at end of wingwall and flows on both sides.

Work Description:

Date Repairs Completed:

Maintenance Comments:

PACK WITH SOIL CEMENT

Stage: Open



PHOTO 1 Description Approach roadway - Bent 2 right:
Erosion behind wingwall