

Bridge Inspection Report

06961

US 64/sec13/L7.31

over

Cache River



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

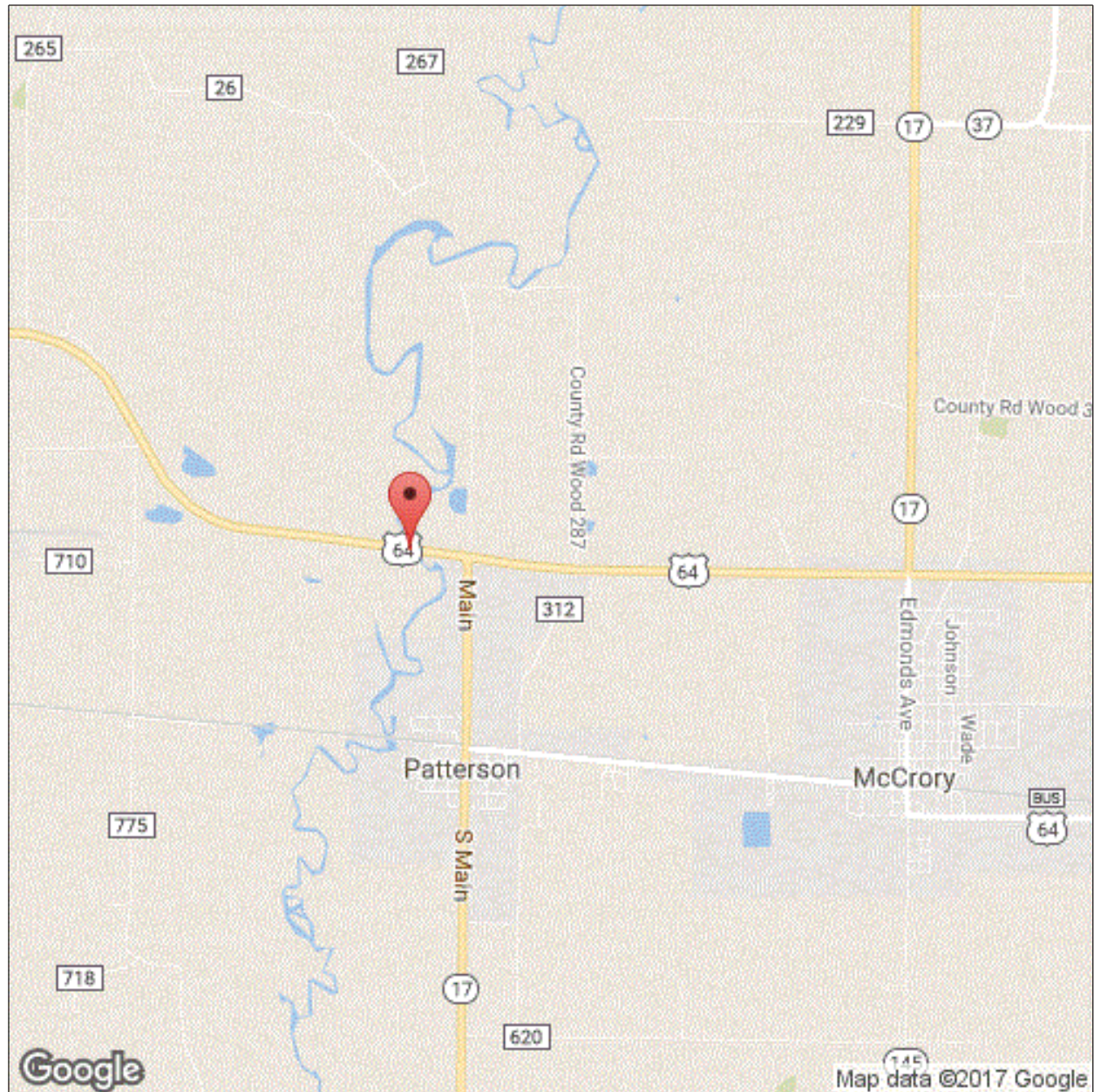
Structure Number: 06961

Inspection Date:

Facility Carried: US 64/sec13/L7.31

Bridge Inspection Report

Location Map



Latitude: 35.270771

Longitude: -91.239166

Inspector:

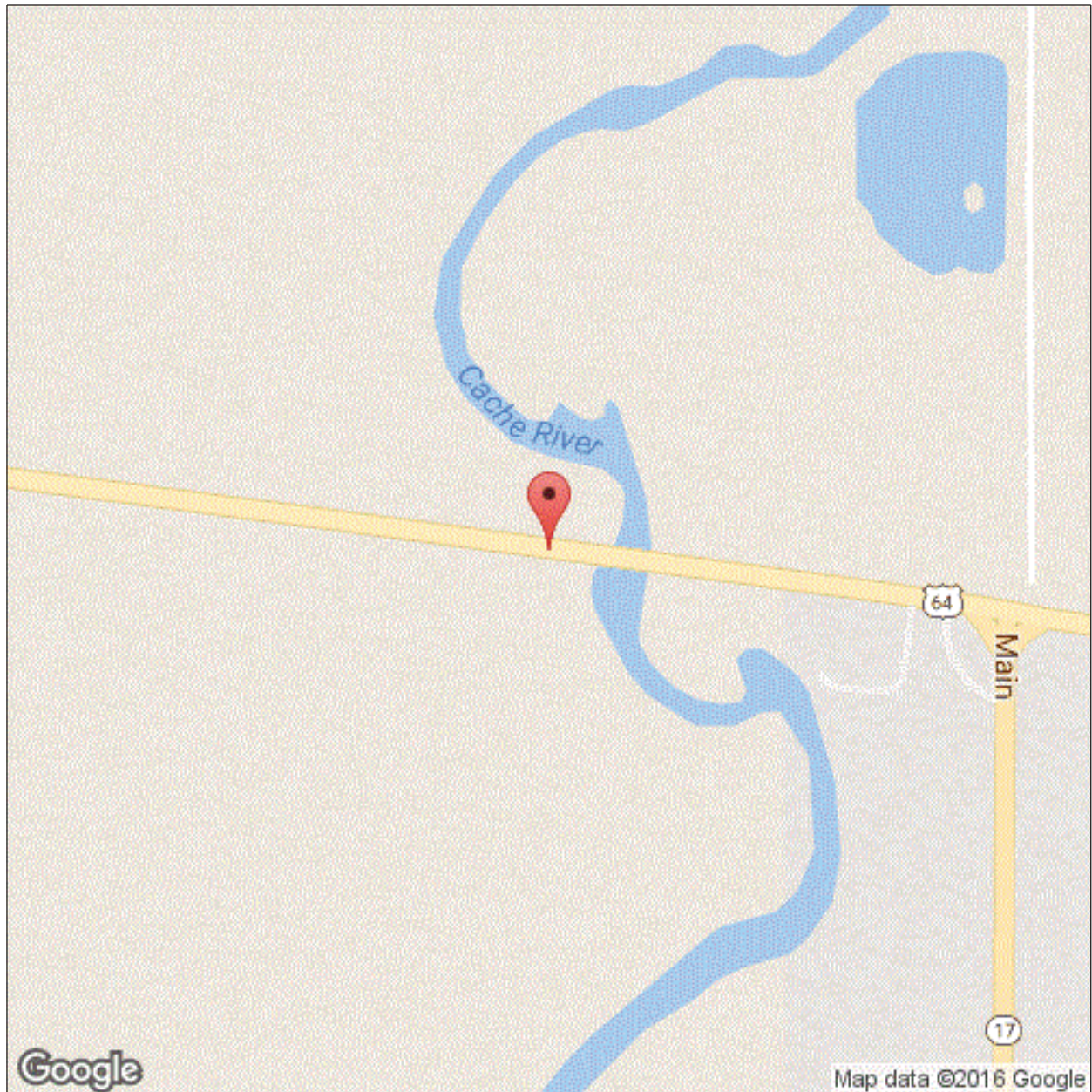
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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/24/2017
(8) STRUCTURE NUMBER	06961	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 64 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY 01	(3) COUNTY CODE 147	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Cache River	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64/sec13/L7.31		
(9) LOCATION	7.31 Mi E White Co Line		
(11) MILEPOINT 7.310	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064130	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	35.270771	(17) LONGITUDE	-91.239166
(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: 4 - Steel continuous		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	8
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	8
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	3	(46) NUMBER OF APPROACH	20
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	1
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	1
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	2004	(106) YEAR RECONSTRUCTED	0000
(42) TYPE OF SERVICE	ON 1 UNDER 5	(31) DESIGN LOAD	5
(28) LANES	ON 02 UNDER 00	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(29) AVERAGE DAILY TRAFFIC	4400	(64) OPERATING RATING	60.0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(109) AVERAGE DAILY TRUCK TRAFFIC	23	(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	85	(49) STRUCTURE LENGTH (ft.)	857
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(67) STRUCTURAL EVALUATION	8
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(68) DECK GEOMETRY	6
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43.2	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(71) WATERWAY ADEQUACY	8
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	0
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.0	(72) APPROACH ROADWAY ALIGNMENT	8
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(36) TRAFFIC SAFETY FEATURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36A) BRIDGE RAILINGS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	36B) TRANSITIONS:	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	0
		STATUS	97.9
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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	5245	(103) TEMP STRUCTURE	
(115) YEAR OF FUTURE ADT	2028	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	4
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(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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Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	36712	sq. ft.	24476	12236	0	0
1120 - Efflorescence/Rust Staining		6118		0	6118	0	0
1130 - Cracking (RC and Other)		6118		0	6118	0	0
107 - Steel Open Girder/Beam	1- Ben.	4275	ft.	4275	0	0	0
515 - Steel Protective Coating		29338	sq. ft.	29338	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	120	ft.	80	40	0	0
227 - Reinforced Concrete Pile	1- Ben.	130	each	130	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	840	ft.	840	0	0	0
301 - Pourable Joint Seal	1- Ben.	300	ft.	293	7	0	0
310 - Elastomeric Bearing	1- Ben.	155	each	155	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	2920	sq. ft.	1880	1040	0	0
1130 - Cracking (RC and Other)		1040		0	1040	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	1710	ft.	1710	0	0	0

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Element Inspection

APPROACH SPANS #1-4 & 8-23

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	27075	sq. ft.	18051	9024	0	0
	All spans have transverse and longitudinal cracks spaced at 3'. Overhangs have several transverse cracks spaced 2' half with light efflorescence.						
1120 - Efflorescence/Rust Staining		4512			4512		
1130 - Cracking (RC and Other)		4512			4512		
107 - Steel Open Girder/Beam	1- Ben.	3150	ft.	3150			
515 - Steel Protective Coating		19089	sq. ft.	19089			
215 - Reinforced Concrete Abutment	1- Ben.	120	ft.	80	40	0	0
	Both abutments have vertical cracks with light efflorescence spaced 3' apart.						
1120 - Efflorescence/Rust Staining		40			40		
227 - Reinforced Concrete Pile	1- Ben.	90	each	90			
234 - Reinforced Concrete Pier Cap	1- Ben.	756	ft.	756			
301 - Pourable Joint Seal	1- Ben.	214	ft.	209	5	0	0
	Joint material has small areas of loss of adhesive 1' per joint.						
2320 - Seal Adhesion		5			5		
310 - Elastomeric Bearing	1- Ben.	125	each	125			
321 - Reinforced Concrete Approach Slab	1- Ben.	2920	sq. ft.	1880	1040	0	0
	Abutment #1 approach slab has numerous cracks some spaced 1' apart. Abutment #2 approach slab has 2 diagonal cracks in corners of slab at bridge end.						
1130 - Cracking (RC and Other)		1040			1040		
331 - Reinforced Concrete Bridge Railing	1- Ben.	1260	ft.	1260			

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MAIN SPANS #5,6,7

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	9637	sq. ft.	6425	3212	0	0
	All spans have transverse and longitudinal cracks spaced at 3'. Overhangs have numerous transverse cracks spaced 2' half with light efflorescence.						
1120 - Efflorescence/Rust Staining		1606			1606		
1130 - Cracking (RC and Other)		1606			1606		
107 - Steel Open Girder/Beam	1- Ben.	1125	ft.	1125			
515 - Steel Protective Coating		10249	sq. ft.	10249			
227 - Reinforced Concrete Pile	1- Ben.	40	each	40			
234 - Reinforced Concrete Pier Cap	1- Ben.	84	ft.	84			
301 - Pourable Joint Seal	1- Ben.	86	ft.	84	2	0	0
	Joint material has small areas of loss of adhesive 1" per joint.						
2320 - Seal Adhesion		2			2		
310 - Elastomeric Bearing	1- Ben.	30	each	30			
331 - Reinforced Concrete Bridge Railing	1- Ben.	450	ft.	450			

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Pictures



No asphalt overlay
on the deck



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Maintenance Needs

Date Reported: 05/24/2017

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Small trees and vegetation are growing beside and under bridge at abutments.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Small trees and vegetation are growing beside and under bridge at abutments.

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Maintenance Needs

Date Reported: 5/24/2011 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

All spans have transverse and longitudinal cracks spaced at 3'.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical longitudinal deck crack