

# Bridge Inspection Report

**06960**

**US 64/sec13/L6.93**

**over**

**Cache River Relief**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 06960

Inspection Date:

Facility Carried: US 64/sec13/L6.93

## Bridge Inspection Report

### Location Map



Latitude: 35.271481

Longitude: -91.245789



Inspector:

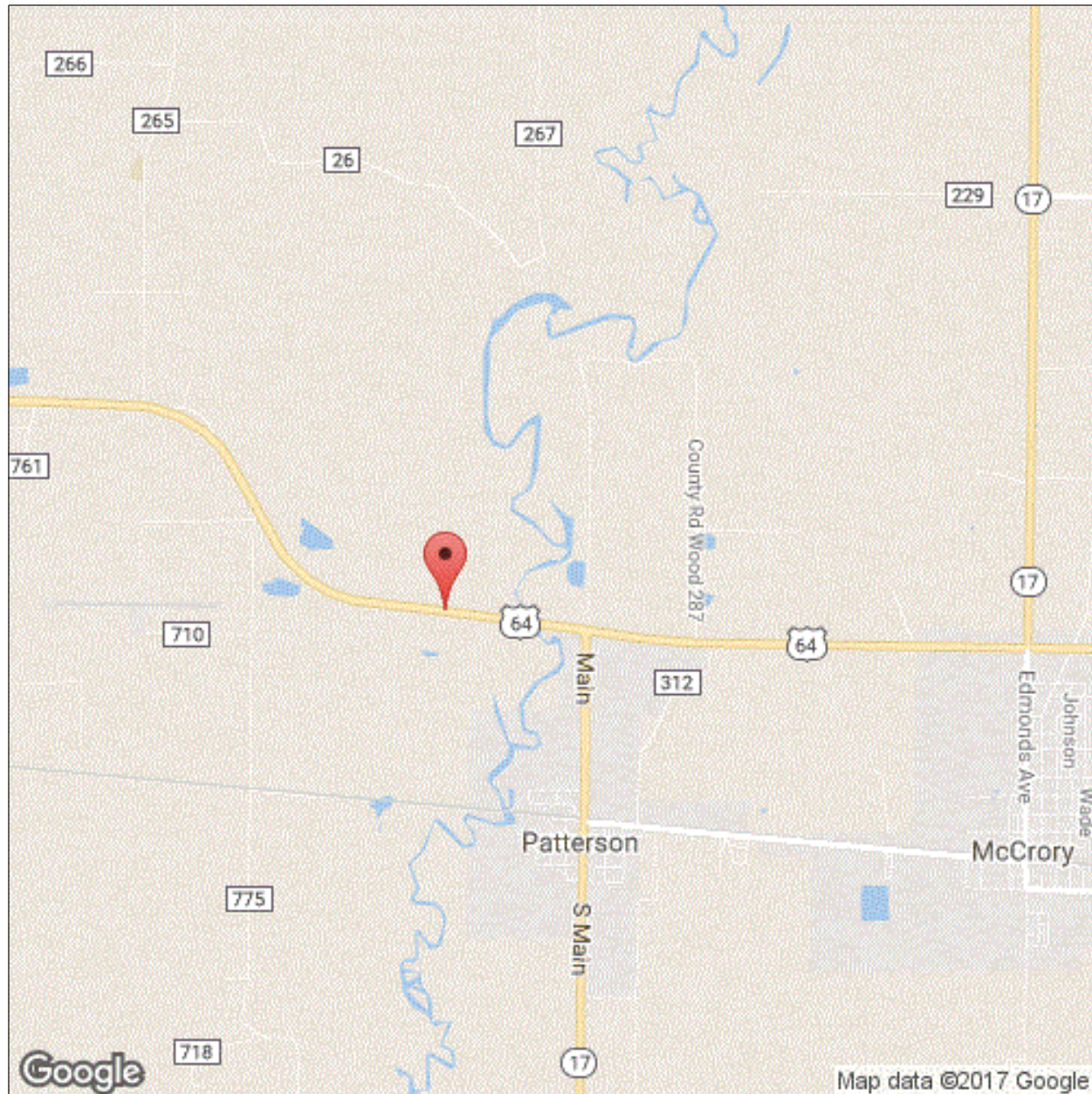
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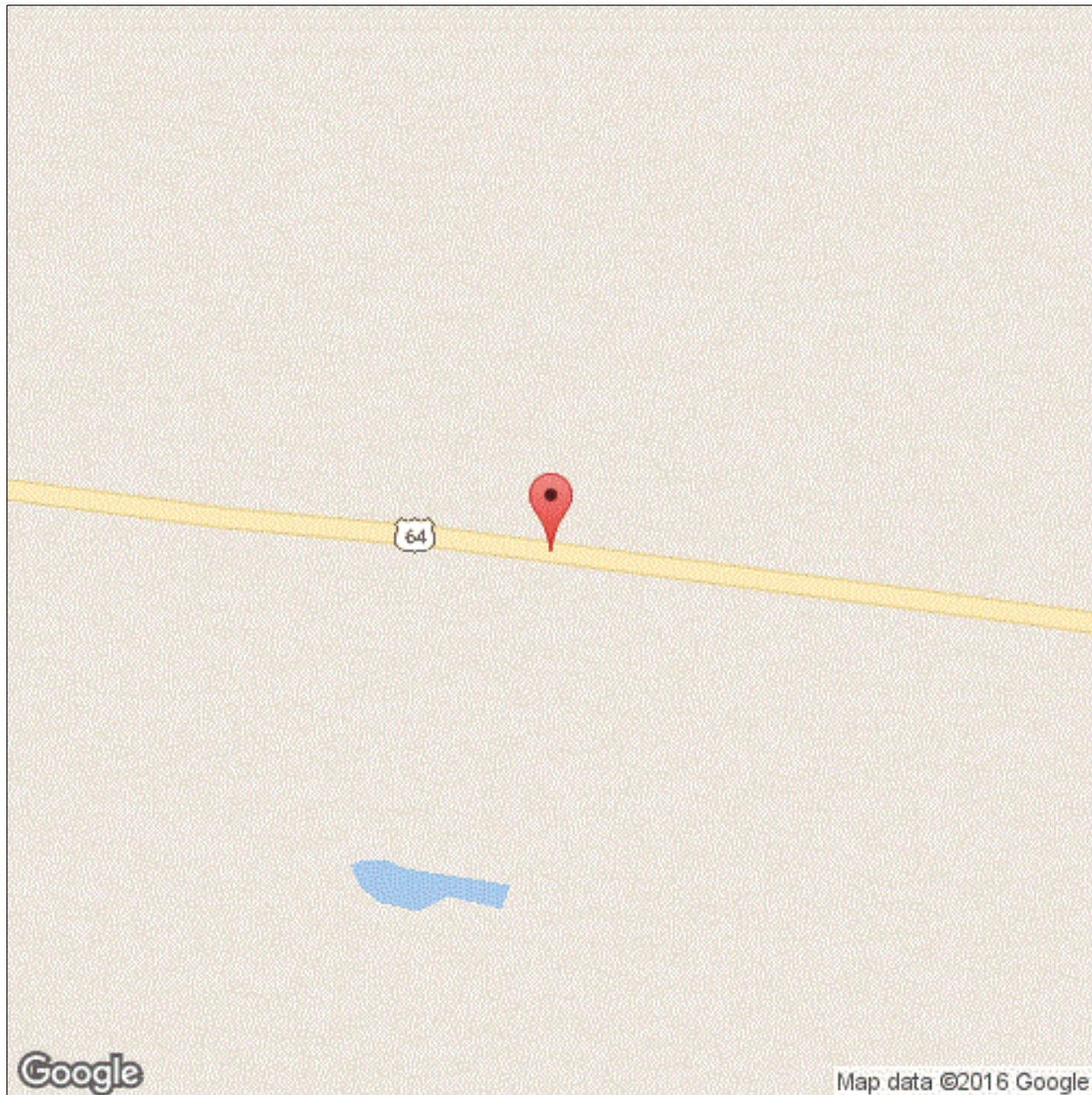
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## National Bridge Inventory

IDENTIFICATION						INSPECTIONS							
(1) STATE CODE		056 - Arkansas				(90) INSPECTION DATE		05/24/2017					
(8) STRUCTURE NUMBER		06960				(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 Relief				C. OTHER SPECIAL		N					
(7) FACILITY CARRIED		US 64/sec13/L6.93											
(9) LOCATION		6.93 Mi E OF White Co											
(11) MILEPOINT		6.930	(12) BASE HIGHWAY NETWORK		1								
(13A) LRS INVENTORY ROUTE		0000064130		(13B) SUBROUTE NUMBER		00							
(16) LATITUDE		35.271481		(17) LONGITUDE		-91.245789							
(98A) BORDER BRIDGE CODE													
PERCENT RESPONSIBILITY		(99) BORDER BRIDGE STRUCT											
STRUCTURE TYPE AND MATERIAL													
(43) STRUCTURE TYPE, MAIN													
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous													
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder													
(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		16	(46) NUMBER OF APPROACH		0								
(107) DECK STRUCTURE TYPE		1	(108A) WEARING SURFACE		1								
(108B) DECK MEMBRANE		0	(108C) DECK PROTECTION		1								
AGE OF SERVICE													
(27) YEAR BUILT		2004		(106) YEAR RECONSTRUCTED		0000							
(42) TYPE OF SERVICE		ON 1	UNDER		5								
(28) LANES		ON 02	UNDER		00								
(29) AVERAGE DAILY TRAFFIC		4400		(19) BYPASS DETOUR LENGTH		6							
(30) YEAR OF AVERAGE DAILY TRAFFIC		2014											
(109) AVERAGE DAILY TRUCK TRAFFIC		23											
GEOMETRIC DATA													
(48) LENGTH OF MAX SPAN (ft.)		35		(49) STRUCTURE LENGTH (ft.)		506.2							
(50) CURB/SIDEWALK WIDTHS (ft.)		LEFT 0		RIGHT		0							
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)		40.0											
(52) DECK WIDTH, OUT-TO-OUT (ft.)		43.2											
(32) APPROACH ROADWAY WIDTH (ft.)		40.0											
(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											
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)		99.99											
(54) VERTICAL UNDER CLEARANCE (ft.)		N		0									
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)		N		99.9									
(56) MIN LATERAL UNDER CLEARANCE (ft.)		0											
PROPOSED IMPROVEMENTS													
(75A) TYPE OF WORK PROPOSED		(75B) WORK DONE BY											
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)		0											
(94) BRIDGE IMPROVEMENT COST (\$)		0											
(95) ROADWAY IMPROVEMENT COST (\$)		0											
(96) TOTAL PROJECT COST		0											
(97) YEAR OF IMPROVEMENT COST ESTIMATE													
(114) FUTURE ADT		5245		(115) YEAR OF FUTURE ADT		2028							

(90) INSPECTION DATE		05/24/2017			
(91) DESIGNATED INSPECTION FREQUENCY		24			
(92) CRITICAL FEATURE INSPECTION				(93) CFI DATE	
A. FRACTURE CRITICAL DETAIL		N			
B. UNDERWATER INSPECTION		N			
C. OTHER SPECIAL		N			
CONDITION					
(58) DECK		7			
(59) SUPERSTRUCTURE		8	(60) SUBSTRUCTURE		8
(61) CHANNEL & CHANNEL PROTECTION		8	(62) CULVERT		N
LOAD RATING AND POSTING					
(31) DESIGN LOAD		5			
(63) METHOD USED TO DETERMINE OPERATING RATING		1			
(64) OPERATING RATING		60.0			
(65) METHOD USED TO DETERMINE INVENTORY RATING		1			
(66) INVENTORY RATING		36.0			
(70) BRIDGE POSTING		5			
(41) STRUCTURE OPEN/POSTED/CLOSED		A			
APPRAISAL					
(67) STRUCTURAL EVALUATION		8			
(68) DECK GEOMETRY		6			
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL		N			
(71) WATERWAY ADEQUACY		8			
(72) APPROACH ROADWAY ALIGNMENT		8			
(36) TRAFFIC SAFETY FEATURE					
36A) BRIDGE RAILINGS:		1			
36B) TRANSITIONS:		1			
36C) APPROACH GUARDRAIL:		1			
36D) APPROACH GUARDRAIL ENDS:		1			
(113) SCOUR CRITICAL BRIDGES		5			
SUFFICIENCY RATING		0	STATUS		97.9
CLASSIFICATION					
(112) NBIS BRIDGE LENGTH		Y			
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE		0			
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE		06			
(100) STRAHNET HIGHWAY DESIGNATION		0			
(101) PARALLEL STRUCTURE DESIGNATION		N			
(102) DIRECTION OF TRAFFIC		2			
(103) TEMP STRUCTURE					
(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

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	21680	sq. ft.	14454	7226	0	0
	Each span has open transverse and longitudinal cracks spaced 3' apart. Overhangs have numerous transverse cracks spaced 3' with 1/3 light efflorescence.						
1120 - Efflorescence/Rust Staining		2409			2409		
1130 - Cracking (RC and Other)		4817			4817		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	2520	ft.	2520			
515 - Steel Protective Coating		15271	sq. ft.	15271			
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	120	ft.	108	12	0	0
	Both abutments have several vertical cracks with light efflorescence spaced 10' apart.						
1120 - Efflorescence/Rust Staining		12			12		
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	75	each	75			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	630	ft.	630			
<b>301 - Pourable Joint Seal</b>	1- Ben.	214	ft.	209	5	0	0
	Each joint has small areas of loss of adhesion 1' total each joint.						
2320 - Seal Adhesion		5			5		
<b>310 - Elastomeric Bearing</b>	1- Ben.	100	each	91	9	0	0
	Masonry plates at bents #5,9,13 girders #2,3,4 are corroded with laminations little to no section loss.						
1000 - Corrosion		9			9		
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	2920	sq. ft.	0	2919	1	0
	Both approach slabs have a longitudinal, transverse, and diagonal cracks spaced 1' apart. Abutment #2 approach slab right lane near chanter line has 1' spall no rebar exposed.						
1080 - Delamination/Spall/Patched Area		1				1	
1130 - Cracking (RC and Other)		2919			2919		



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### Pictures



No asphalt overlay on the bridge





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### Maintenance Needs

Date Reported: 05/24/2017

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Abutment #2 approach slab right lane near chanter line has 1" spall no rebar exposed.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Abutment #2 approach slab right lane near chanter line has 1' spall no rebar exposed.



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### Maintenance Needs

Date Reported: 05/24/2017

Priority: D - Routine

Work Code: N/A

---

#### Deficiency Description:

Abutments have small trees and vegetation growing beside and under bridge.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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Stage: Open



PHOTO 1      Description      Abutments have small trees and vegetation growing beside and under bridge.

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### Maintenance Needs

Date Reported: 5/20/2013 12:00:00 AM

Priority: D - Routine

Work Code: N/A

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#### Deficiency Description:

Each span has open transverse and longitudinal cracks spaced 3' apart.

#### Work Description:

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#### Date Repairs Completed:

#### Maintenance Comments:

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#### Stage: Monitor



PHOTO 1    Description    Typical transverse shoulder crack