

Bridge Inspection Report

00516

US 64/sec15/L6.65

over

BRUSHY CREEK RE.



Inspection Date:

Inspected By:

Inspection Type(s):



Inspector:

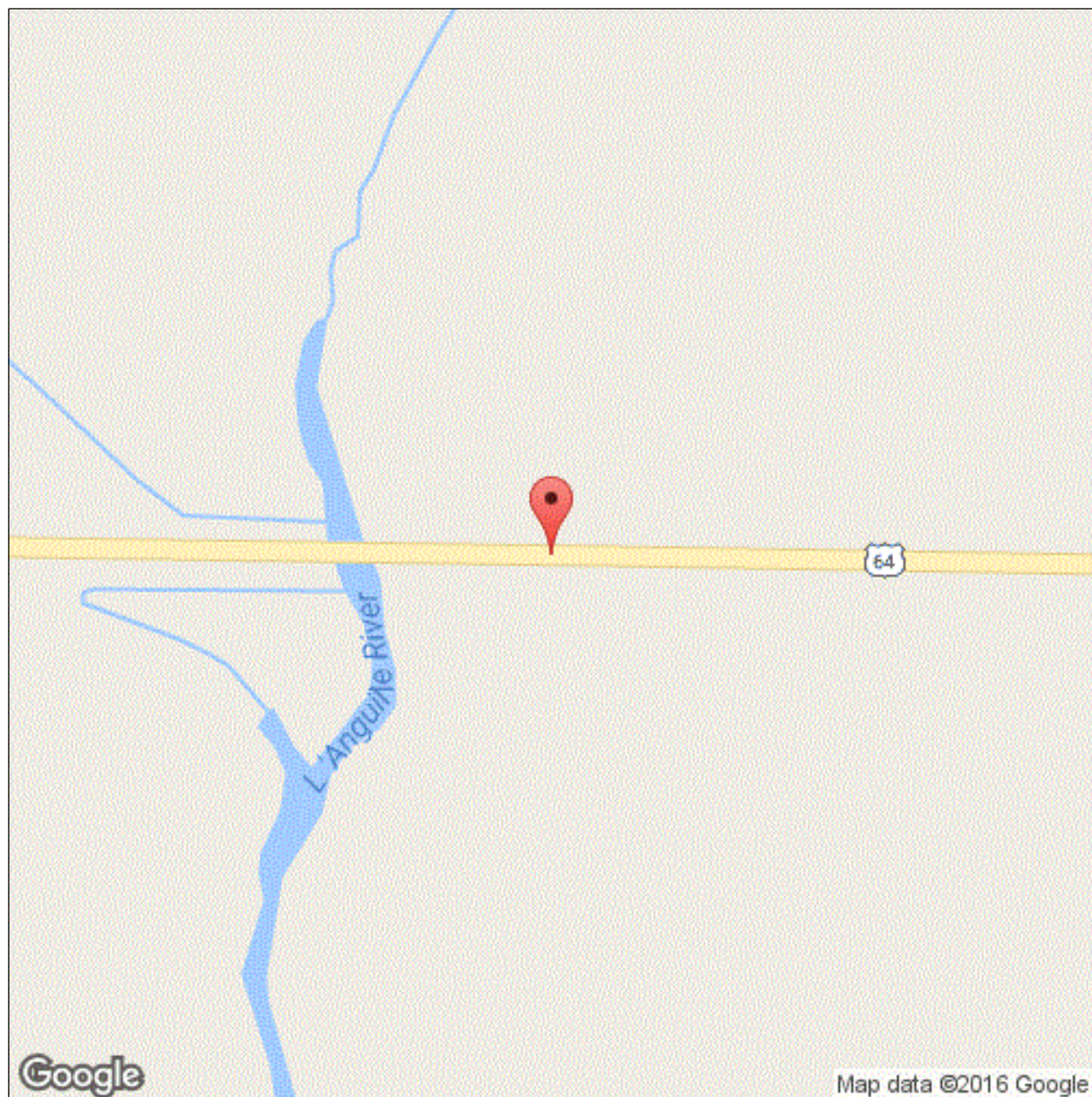
Structure Number: 00516

Inspection Date:

Facility Carried: US 64/sec15/L6.65

Bridge Inspection Report

Location Map



Latitude: 35.251621

Longitude: -90.923317

Inspector:

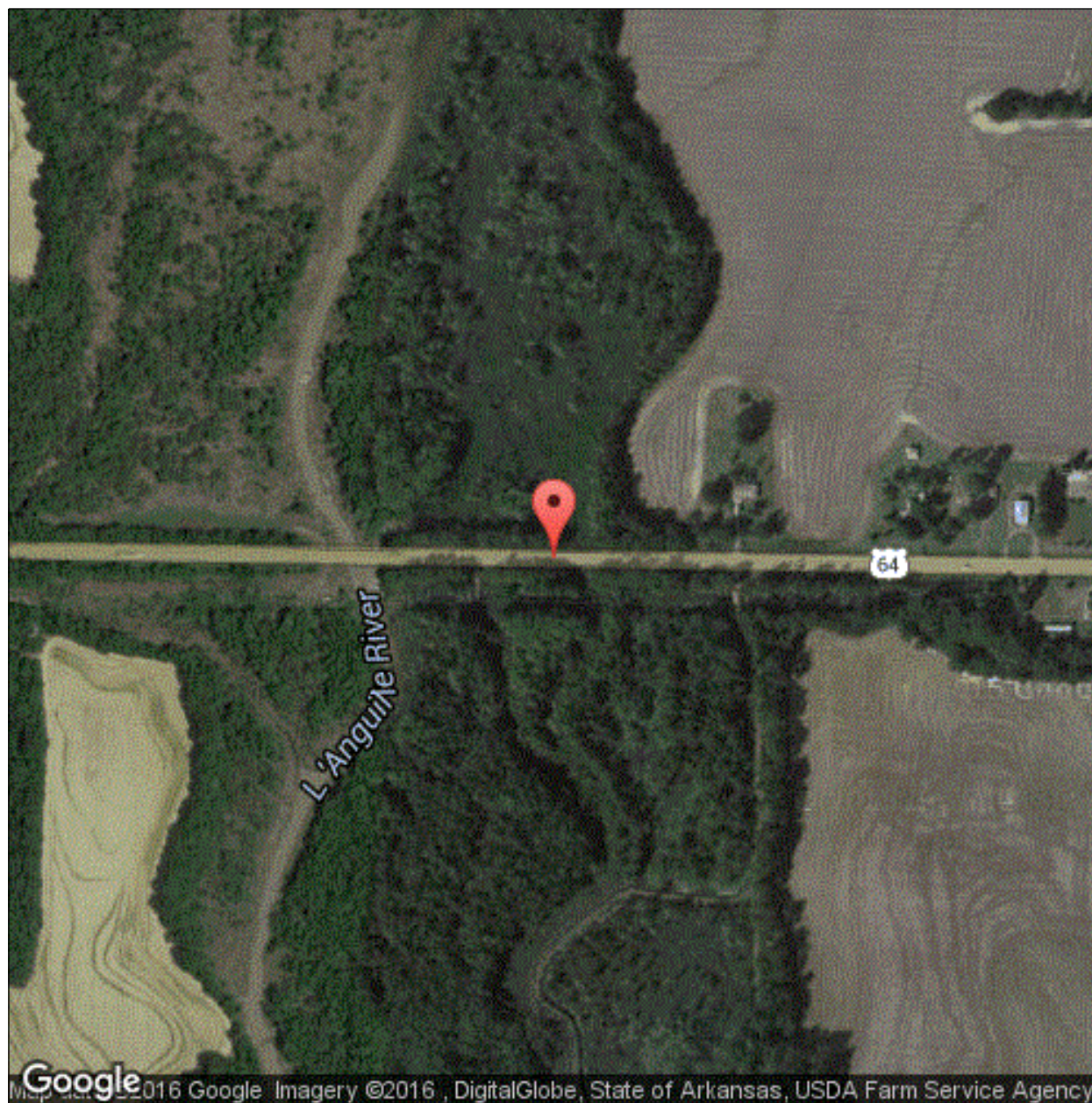
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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/15/2016
(8) STRUCTURE NUMBER	00516	(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 037	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	74540	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BRUSHY CREEK RE.	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64/sec15/L6.65		
(9) LOCATION	0.4 MI W OF SH 193 N JCT		
(11) MILEPOINT 6.649	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064150 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.251621	(17) LONGITUDE -90.923317		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	7
(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 5	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1963	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 3900	(19) BYPASS DETOUR LENGTH 5	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 30	(49) STRUCTURE LENGTH (ft.) 150	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.3 RIGHT 1.3		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 33.5		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 30.8		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0
		STATUS	79.2
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 4795	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		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
38 - Reinforced Concrete Slab	1- Ben.	5025	sq. ft.	5005	11	9	0
	BENT #2 LEFT AND RIGHT ENDS OF SLAB ARE CRACKED AND SPALLED. Soffit all spans have moderate to heavy longitudinal and transverse cracking with some rust and efflorescence stains Majority of drain openings on bottom of deck have cracks with impending spalls and / or shelled out areas with exposed rebar. SPAN #3 RIGHT SIDE DRAIN HAS 1' SPALL WITH REBAR EXPOSED. SPAN #3 AT BENT #3 BY PILE #4 SOFFIT HAS 1' DELAM. SPANS #4 AND #5 LEFT DECK DRAINS SPALLED WITH EXPOSED REBAR. SOFFIT OVERHANG IN SPAN #3 AT BENT #4 HAS SEVERAL AREAS SPALLS WITH EXPOSED REBAR. Wearing surface has cracks every were and 10 square feet of patches each span. Sides of slabs have vertical cracks spaced 2' apart.						
1080 - Delamination/Spall/Patched Area		5			1	4	
1090 - Exposed Rebar		10			10		
1120 - Efflorescence/Rust Staining		5				5	
510 - Wearing Surfaces		4200	sq. ft.	0	4200	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		50			50		
3220 - Crack (Wearing Surface)		4150			4150		
215 - Reinforced Concrete Abutment	1- Ben.	75	ft.	75			
227 - Reinforced Concrete Pile	1- Ben.	20	each	0	20	0	0
	All piles has abrasion 3' up from bottom with no loose aggregate.						
1190 - Abrasion/Wear (PSC/RC)		20			20		

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Element Inspection

234 - Reinforced Concrete Pier Cap	1- Ben.	122	ft.	92	28	2	0
CAPS HAVE VERTICAL HAIRLINE CRACKS. BENT #2 CAP BACK FACE HAS 6' SPALL BETWEEN PILE #1 & 2 AT TOP WITH REBAR EXPOSED BENT #2 CAP BACK FACE HAS 2' SPALL WITH REBAR EXPOSED ABOVE PILE #4 BENT #2 CAP BACK FACE HAS 3' SPALL WITH REBAR EXPOSED ABOVE PILE #5 BENT #3 CAP BACK FACE LEFT END HAS SEVERAL 6" POPOUTS WITH REBAR EXPOSED DUE TO POOR CONCRETE COVERAGE. BENT #3 CAP BACK FACE HAS 2' SPALL WITH REBAR EXPOSED BETWEEN PILE #1 & 2. BENT #3 CAP AHEAD FACE RIGHT END HAS SEVERAL 6" POPOUTS WITH EXPOSED REBAR DUE TO POOR CONCRETE COVERAGE. BENT #3 CAP BOTTOM CHORD BETWEEN PILE #1 & 2 AND #4 & 5 HAVE SEVERAL 1' SPALLS WITH REBAR EXPOSED. BENT #4 RIGHT SIDE BACK FACE OF CAP IS SPALLED 3' ON END WITH EXPOSED REBAR BENT #4 LEFT END BACK FACE IS CRACKED & DELAMINATED. BENT #4 CAP BOTTOM CHORD BETWEEN PILE #1 & 2 HAS 2 6" SPALLS WITH REBAR EXPOSED. BENT #4 CAP AHEAD FACE ABOVE PILE #2 HAS 1' DELAMINATION. BENT #5 LEFT END HAS 2' SPALL, RIGHT END HAS 1' SPALL WITH REBAR EXPOSED							
1080 - Delamination/Spall/Patched Area		5			3	2	
1090 - Exposed Rebar		25			25		
330 - Metal Bridge Railing	1- Ben.	300	ft.	300	0	0	0
SPAN #2 RIGHT SIDE HAS MINOR COLLISION DAMAGE.							
515 - Steel Protective Coating		900	sq. ft.	900			

Agency Inventory

Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS IN

WEATHERING STEEL No

PIN / HANGER No

STAY IN PLACE FORMS No

STEEL TONS Tons(41) STRUCTURE
OPEN/POSTED/CLOSED A**Location**ROAD / ROUTE NAME SECTION ZONE **Seismic**

SEISMIC

SEISMIC YEAR / ZONE **Notification**SCHOOL DISTRICT EMAIL OWNER EMAIL

LATE REASON

Load Po**Calculated**

CODE 4 VEHICLE (22 tons)

CODE 9 VEHICLE (31 tons)

CODE 5 VEHICLE (40 tons)

Posted

Bridge Beginning

CODE 4 TonsCODE 9 TonsCODE 5 Tons**Stip**

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

Notes

Abutment 2 right side has 3 large animal holes.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/15/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Abutment 1,2 right, left side has 3 large animal holes.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Abutment 2 right side has 3 large animal holes.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/15/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Several deck drains have spalls and delams around them.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Typical deck drain.

Inspector:

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/12/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

BENT #2 - 5 CAPS HAVE SEVERAL AREAS OF CRACKS, DELAMINATIONS & SPALLS WITH EXPOSED REBAR.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical cap

Stage: Monitor



PHOTO 2 Description Typical cap.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/18/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

LEFT & RIGHT GUTTERS HAVE VEGETATION GROWING IN THEM.

Work Description:

Vegetation has been killed since last inspection.

Date Repairs Completed: 06/15/2016

Maintenance Comments:

Vegetation has been killed since last inspection.

Stage: Monitor



PHOTO 1 Description Vegetation has been killed since last inspection.