

Bridge Inspection Report

03821
US 64
over
DRAINAGE DITCH



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

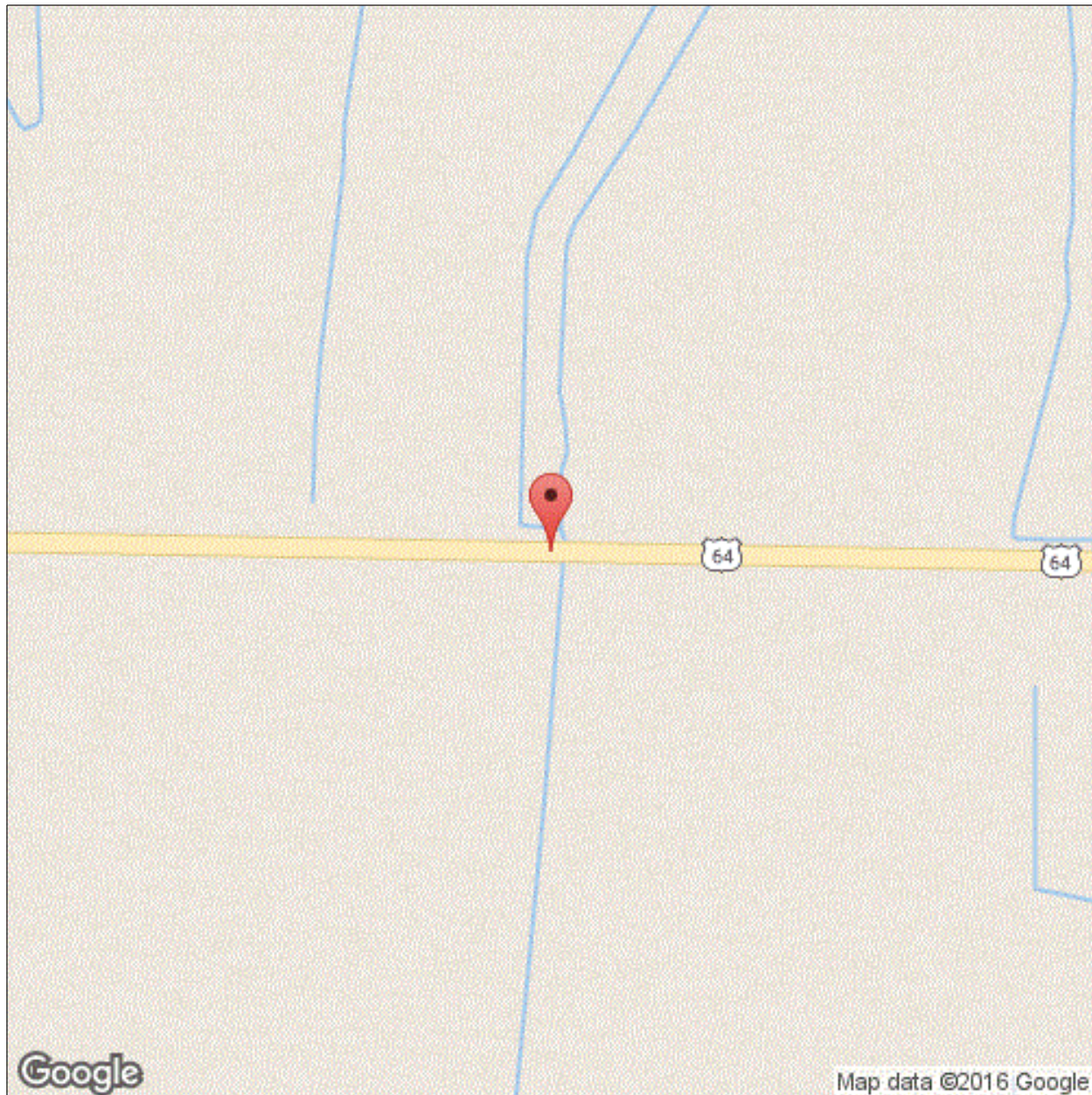
Structure Number: 03821

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Location Map



Latitude: 35.25117

Longitude: -91.06680

Inspector:

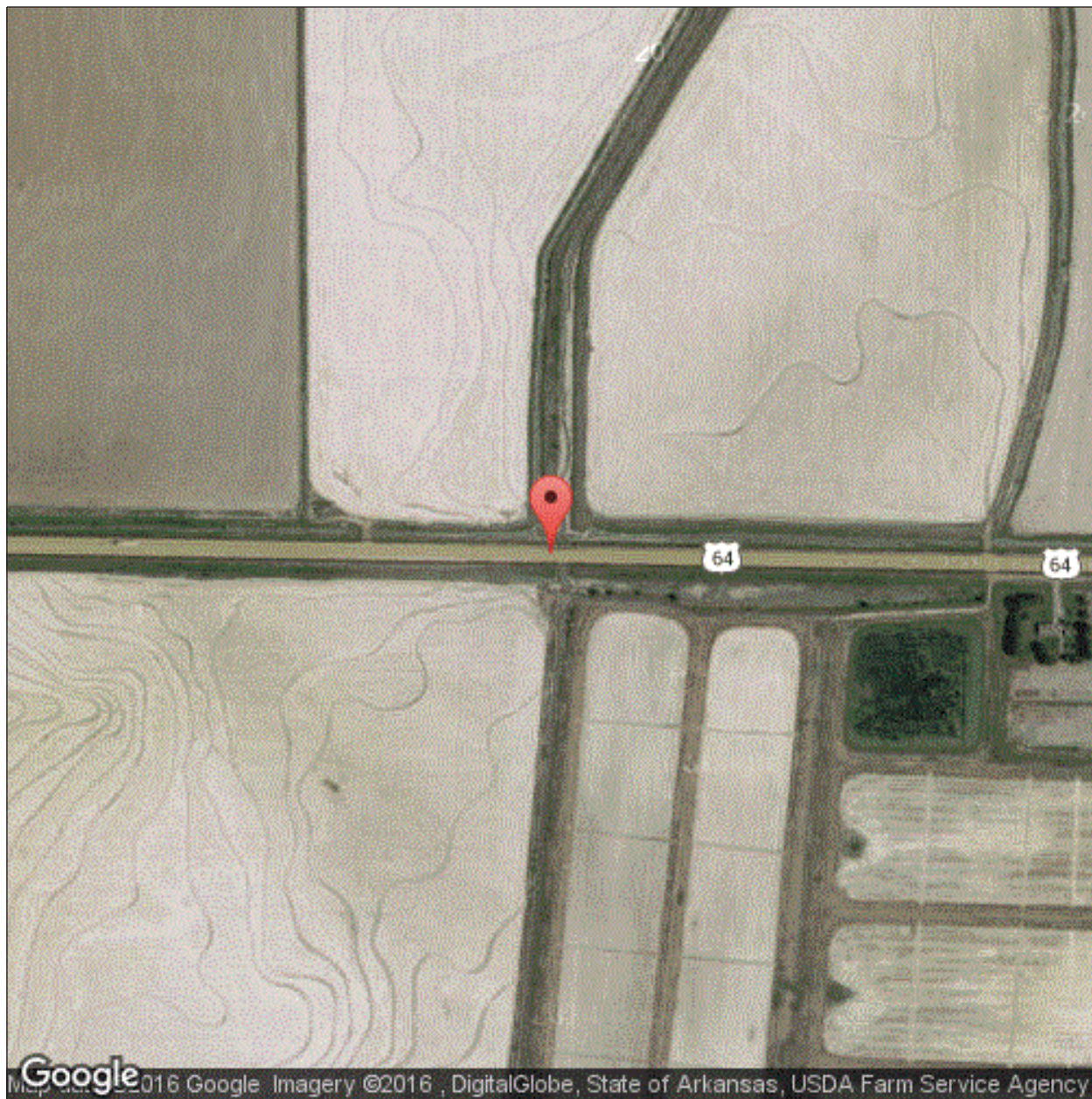
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Location Map



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Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: 03821

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/27/2016
(8) STRUCTURE NUMBER	03821	(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	DRAINAGE DITCH	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64		
(9) LOCATION	2.0 MI W OF CROSS CO LINE		
(11) MILEPOINT 9.800	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.25117	(17) LONGITUDE -91.06680		
(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 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(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 3	(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 1966	(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 3400	(19) BYPASS DETOUR LENGTH 12	(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.) 25	(49) STRUCTURE LENGTH (ft.) 75	(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.) 34		(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 77.2
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 3877	(115) YEAR OF FUTURE ADT 2028	(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	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.)	0000

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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.	2325	sq. ft.	1661	624	40	0
<p>Sides of slabs have wide cracks with spalling at bent #3 both sides. Concrete curbs spans#2&3 right side and span #3 left side are spalled with exposed rebar with moderate section loss.</p> <p>Span #2 soffit is spalled at drains both sides of slab. Each span has longitudinal cracks some with efflorescence and rust stains.</p> <p>Underside of overhang is spalled with exposed rebar with moderate section loss.</p> <p>Asphalt overlay has 3 longitudinal cracks and 4 full width cracks.</p>							
1080 - Delamination/Spall/Patched Area		2				2	
1090 - Exposed Rebar		38				38	
1120 - Efflorescence/Rust Staining		24			24		
1130 - Cracking (RC and Other)		600			600		
510 - Wearing Surfaces		2100	sq. ft.	1763	0	337	0
3220 - Crack (Wearing Surface)		337				337	
215 - Reinforced Concrete Abutment	1- Ben.	81	ft.	80	0	1	0
Abutment #2 cap has 1' spall on right end with exposed rebar due to poor coverage							
1090 - Exposed Rebar		1				1	
227 - Reinforced Concrete Pile	1- Ben.	10	each	10			
234 - Reinforced Concrete Pier Cap	1- Ben.	61	ft.	58	0	3	0
<p>Bent #3 cap sack face above pile #4 has small spall with exposed rebar.</p> <p>Both ends of bent #3 cap are spalled due to chemical exposure with exposed rebar.</p>							
1090 - Exposed Rebar		3				3	
330 - Metal Bridge Railing	1- Ben.	150	ft.	150			
515 - Steel Protective Coating		450	sq. ft.	0	0	450	0
3440 - Effectiveness (Steel Protective Coatings)		450				450	

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Maintenance Needs

Date Reported: 7/2/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CAP

BENT #3 BOTH ENDS
ENDS OF CAP SPALLED

BENT #2 RIGHT END BACK FACE.
AREA OF SMALL SPALLS

BENT #4 BACK FACE, RIGHT END
1' SPALL WITH EXPOSED REBAR DUE TO POOR CONCRETE COVERAGE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent#3 cap right end

Stage: Monitor



PHOTO 2 Description Abutment #2 cap right end

Inspector:

Inspection Date:

Structure Number: 03821

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3	Description	Bent #3 right end of cap and side of slab.
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Maintenance Needs

Date Reported: 7/2/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

SOFFIT AT SPAN #1,2

RIGHT OVERHANG AT BENT #2

SEVERAL SPALLS AND DELAMINATIONS

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Right overhang span #2

Stage: Monitor



PHOTO 2 Description Soffit of overhang right side span #1

Inspector:

Structure Number: 03821

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/2/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CURB

CONCRETE CURB
SPAN #2 RIGHT SIDE

SPALLED WITH EXPOSED REBAR

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Right curb abutment #2

Stage: Monitor



PHOTO 2 Description Span #2 right curb

Inspector:

Inspection Date:

Structure Number: 03821

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Span #3 at bent #3 left curb.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/24/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

RAIL POST

ABUTMENT #1

RIGHT SIDE

END POST

SPALLED AT OVERHANG WITH EXPOSED REBAR.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment-#1 right end post

Inspector:

Structure Number: 03821

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/24/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

DECK SLABS

SPANS #2,3

AT BENT #3

DECK SLABS HAVE LARGE OPEN CRACKS ON SIDES ST ENDS OF SPANS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Side of slab bent #3 right side.

Stage: Monitor



PHOTO 2 Description Bent #3 right end of cap and side of slab.