

Bridge Inspection Report



02124
US 64/sec16/L8.52
over
MAGGOT SLOUGH



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

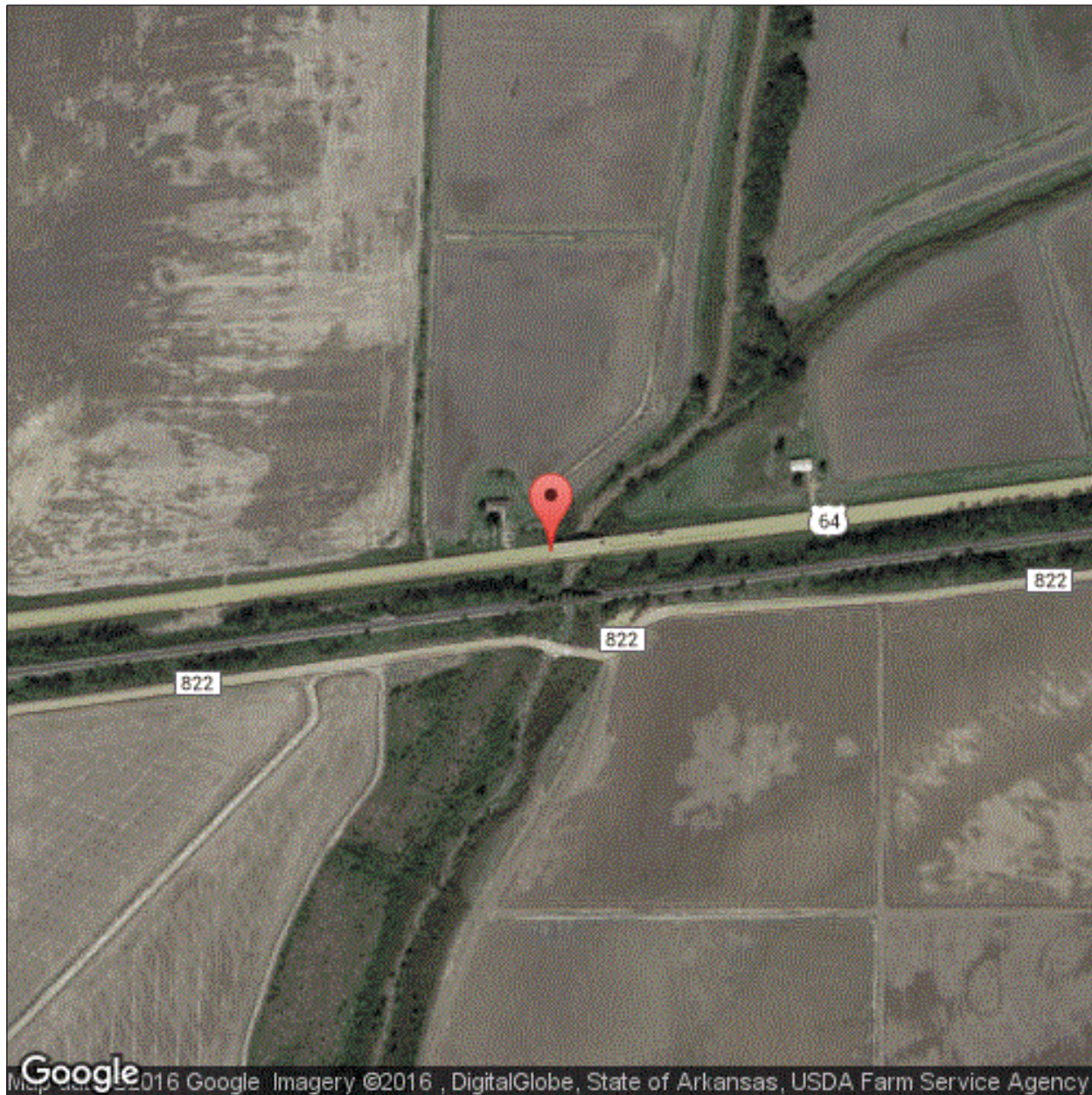
Structure Number: 02124

Inspection Date:

Facility Carried: US 64/sec16/L8.52

Bridge Inspection Report

Location Map



Latitude: 35.262814

Longitude: -90.655754

Inspector:

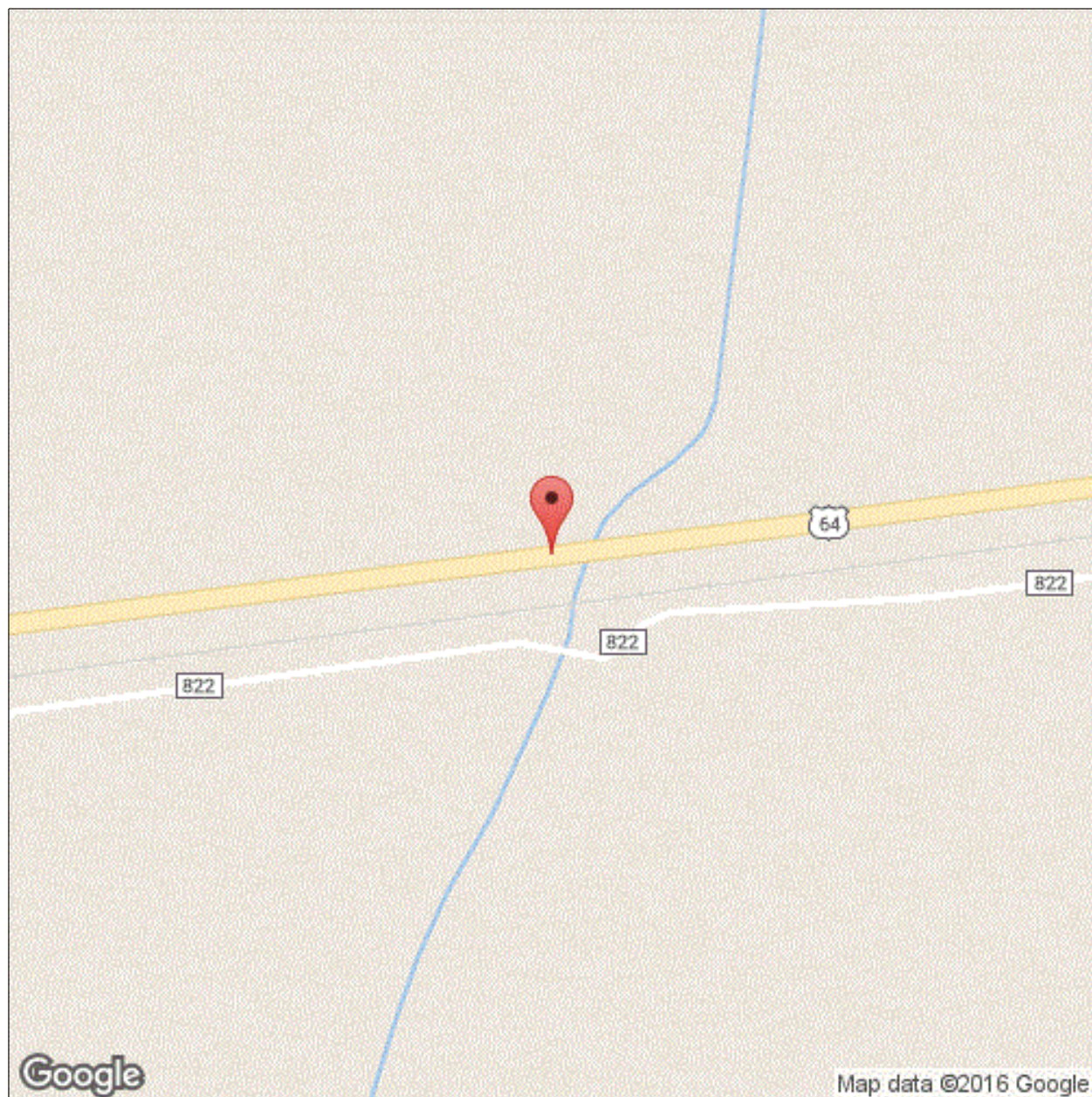
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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/05/2016
(8) STRUCTURE NUMBER	02124	(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	MAGGOT SLOUGH	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64/sec16/L8.52		
(9) LOCATION	4.7 MI W JCT SH 75		
(11) MILEPOINT 8.520	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064160	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	35.262814	(17) LONGITUDE	-90.655754
(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	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	7	(46) NUMBER OF APPROACH	0
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	1
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1955	(106) YEAR RECONSTRUCTED	1986
(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	4700	(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	19	(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	25	(49) STRUCTURE LENGTH (ft.)	175
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5	(67) STRUCTURAL EVALUATION	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	44.0	(68) DECK GEOMETRY	7
(52) DECK WIDTH, OUT-TO-OUT (ft.)	46.8	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(71) WATERWAY ADEQUACY	9
(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.)	45.3	(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	94.9
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	5410	(103) TEMP STRUCTURE	
(115) YEAR OF FUTURE ADT	2028	(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.	8225	sq. ft.	7493	730	2	0
	ALL SPANS HAVE 2 OPEN LONGITUDINAL CRACKS IN DECK NEAR CENTER LINE. DECK HAS 2 1' SPALLS WITH NO EXPOSED REBAR AT BENT #5 IN THE RIGHT LANE WITH PATCHS FAILING. Span 5 bent 5 has an area in left lane 2' x15' that has moderate scaling. Soffit has hairline longitudinal cracks 2 - 3 in each span with light efflorescence.						
1080 - Delamination/Spall/Patched Area		2				2	
1120 - Efflorescence/Rust Staining		350			350		
1130 - Cracking (RC and Other)		350			350		
1190 - Abrasion/Wear (PSC/RC)		30			30		
215 - Reinforced Concrete Abutment	1- Ben.	95	ft.	47	48	0	0
	ABUTMENT #2 CAP IS UNDERMINED 6" - 1' FULL LENGTH EXPOSING PILE #1 & 6.						
6000 - Scour		48			48		
227 - Reinforced Concrete Pile	1- Ben.	46	each	46			
234 - Reinforced Concrete Pier Cap	1- Ben.	282	ft.	277	3	2	0
	BT. #2 CAP AHEAD FACE HAS 1' SPALL AT CENTERLINE WITH NO REBAR EXPOSED BT. #2 CAP RT. END SMALL SHELLLED OUT AREA NO EXP. REBAR BT. #4 CAP RT. END SMALL SHELLLED OUT AREA NO EXP. REBAR. BT. #6 CAP RT. END HAS DELAMINATION. BT. #7 BESIDE PILE #1 HAS 1' SPALL WITH NO REBAR EXPOSED.						
1080 - Delamination/Spall/Patched Area		5			3	2	
301 - Pourable Joint Seal	1- Ben.	329	ft.	0	0	329	0
	Joint material is cracked allowing non compressible to enter.						
2340 - Seal Cracking		329				329	
331 - Reinforced Concrete Bridge Railing	1- Ben.	350	ft.	350			

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Maintenance Needs

Date Reported: 05/05/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Joint material is cracked allowing non compressible to enter.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Typical joint.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/05/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Abutment 2 left side 40' from bridge end approach shoulder and rail is being undermined for 20'.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Abutment 2 left side 40' from bridge end approach shoulder and rail is being undermined for 20'.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/8/2012 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

DECK HAS 2 1' SPALLS WITH NO EXPOSED REBAR AT BENT #5 IN THE RIGHT LANE WITH PATCHES FAILING.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Spalls at bent 5.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/8/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

DECK ALL SPANS HAVE 2 OPEN LONGITUDINAL CRACKS IN DECK NEAR CENTER LINE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/8/2012 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

LARGE DRIFT ACROSS CHANNEL AT BENT #4,5 AND 6 LEFT SIDE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Drift left side of bridge.

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Maintenance Needs

Date Reported: 5/5/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

ABUTMENT #2 CAP IS UNDERMINED 6" - 1' FULL LENGTH EXPOSING PILE #1 AND 6.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 2 cap undermined.

Inspector:

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Maintenance Needs

Date Reported: 5/5/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

VEGETATION IS GROWING ON BENT #6 AND 7 COLUMNS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Vegetation growing onto bents.