

Bridge Inspection Report

**A1335
US 64 WHITE
over
BIG GREEN TOM LAKE**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

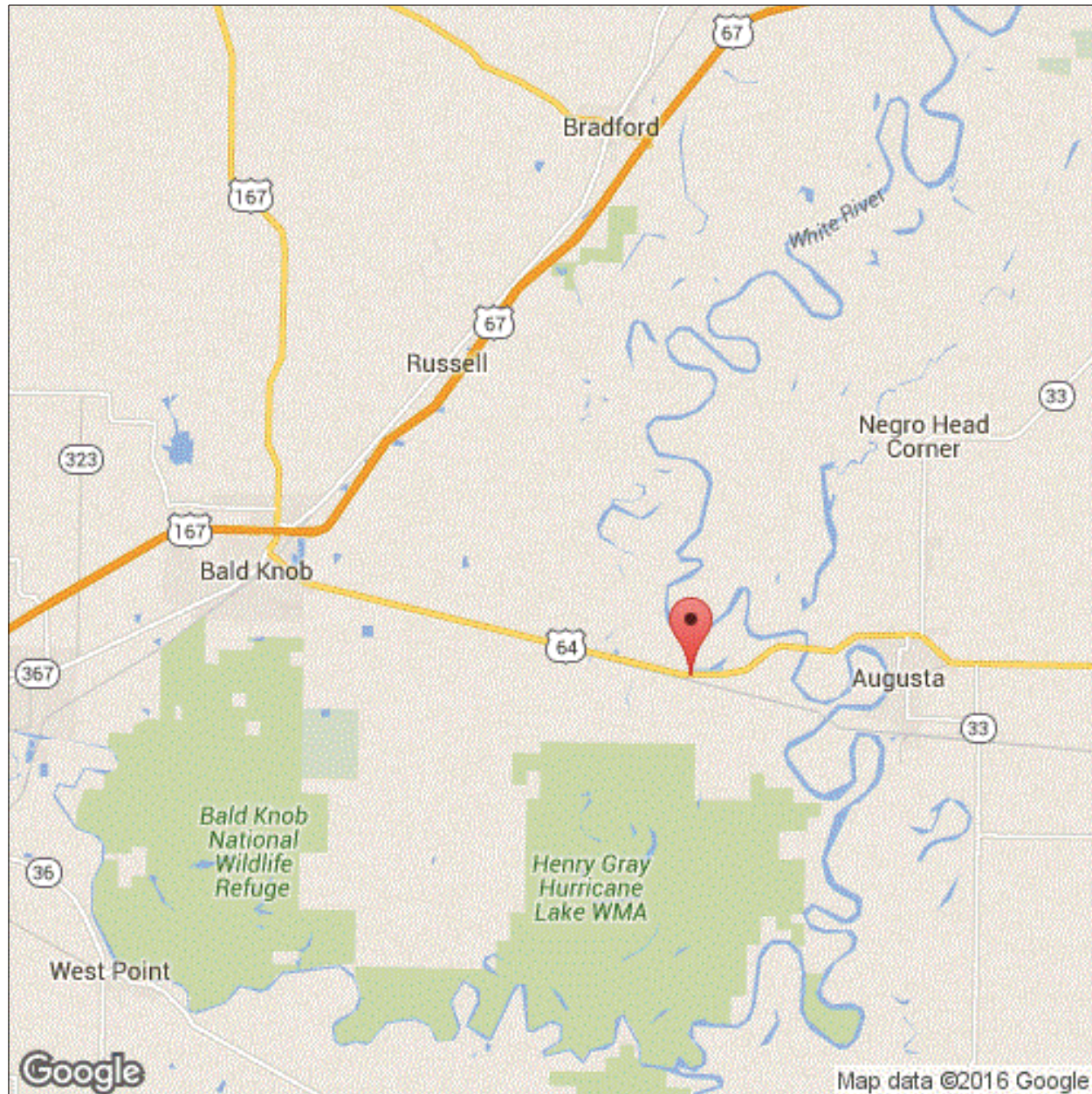
Structure Number: A1335

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.28285

Longitude: -91.43068

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Executive Summary

Logmile looking East.

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION						INSPECTIONS	
(1) STATE CODE		056 - Arkansas				(90) INSPECTION DATE 05/25/2016	
(8) STRUCTURE NUMBER		A1335				(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 05		(3) COUNTY CODE 145				A. FRACTURE CRITICAL DETAIL N	
(4) PLACE CODE		00000				B. UNDERWATER INSPECTION N	
(6) FEATURES INTERSECTED		BIG GREEN TOM LAKE				C. OTHER SPECIAL N	
(7) FACILITY CARRIED		US 64 WHITE					
(9) LOCATION		7.92 MI EAST JCT US 67					
(11) MILEPOINT 8.350		(12) BASE HIGHWAY NETWORK 1					
(13A) LRS INVENTORY ROUTE 0000064110		(13B) SUBROUTE NUMBER 00					
(16) LATITUDE 35.28285		(17) LONGITUDE -91.43068					
(98A) BORDER BRIDGE CODE							
PERCENT RESPONSIBILITY		(99) BORDER BRIDGE STRUCT					
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE, MAIN							
A) KIND OF MATERIAL/DESIGN: 1 - Concrete							
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam							
(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 11		(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							
(27) YEAR BUILT 1930		(106) YEAR RECONSTRUCTED 1962					
(42) TYPE OF SERVICE ON 1		UNDER 5					
(28) LANES ON 02		UNDER 00					
(29) AVERAGE DAILY TRAFFIC 5400		(19) BYPASS DETOUR LENGTH 57					
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014							
(109) AVERAGE DAILY TRUCK TRAFFIC 15							
GEOMETRIC DATA							
(48) LENGTH OF MAX SPAN (ft.) 34		(49) STRUCTURE LENGTH (ft.) 374					
(50) CURB/SIDEWALK WIDTHS (ft.)		LEFT 1.5		RIGHT 1.5			
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)		27.9					
(52) DECK WIDTH, OUT-TO-OUT (ft.)		31					
(32) APPROACH ROADWAY WIDTH (ft.)		42.0					
(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.)		27.9					
(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 7700		(115) YEAR OF FUTURE ADT 2033					

(90) INSPECTION DATE 05/25/2016	
(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 6 (60) SUBSTRUCTURE 6	
(61) CHANNEL & CHANNEL PROTECTION 8 (62) CULVERT N	
LOAD RATING AND POSTING	
(31) DESIGN LOAD 4	
(63) METHOD USED TO DETERMINE OPERATING RATING 1	
(64) OPERATING RATING 47.0	
(65) METHOD USED TO DETERMINE INVENTORY RATING 1	
(66) INVENTORY RATING 28.0	
(70) BRIDGE POSTING 5	
(41) STRUCTURE OPEN/POSTED/CLOSED A	
APPRAISAL	
(67) STRUCTURAL EVALUATION 6	
(68) DECK GEOMETRY 4	
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N	
(71) WATERWAY ADEQUACY 8	
(72) APPROACH ROADWAY ALIGNMENT 7	
(36) TRAFFIC SAFETY FEATURE	
36A) BRIDGE RAILINGS: 0	
36B) TRANSITIONS: 0	
36C) APPROACH GUARDRAIL: 0	
36D) APPROACH GUARDRAIL ENDS: 0	
(113) SCOUR CRITICAL BRIDGES 5	
SUFFICIENCY RATING 0 STATUS 58.4	
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 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
13 - Prestressed Concrete Deck	1- Ben.	11594	sq. ft.	11384	210	0	0
	Cracked at all open joints. Transverse Efflorescence &/ or Rust Stains to Deck below / Soffit at most Spans. Spalls with Rebar Exposed to Deck below at Spans 1 - 11.						
1090 - Exposed Rebar		5			5		
1120 - Efflorescence/Rust Staining		205			205		
510 - Wearing Surfaces		10472	sq. ft.	0	5236	5236	0
3220 - Crack (Wearing Surface)		10472			5236	5236	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	2244	ft.	1954	290	0	0
	See Form III.						
1090 - Exposed Rebar		26			26		
1120 - Efflorescence/Rust Staining		264			264		
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
234 - Reinforced Concrete Pier Cap	1- Ben.	285	ft.	269	16	0	0
	See Form III.						
1090 - Exposed Rebar		13			13		
1130 - Cracking (RC and Other)		3			3		
311 - Movable Bearing	1- Ben.	60	each	50	0	10	0
	See Form III.						
1000 - Corrosion		10				10	
330 - Metal Bridge Railing	1- Ben.	748	ft.	0	0	748	0
	Rust to guard rail.						
1000 - Corrosion		748				748	
515 - Steel Protective Coating		2244	sq. ft.	0	0	2244	0
3440 - Effectiveness (Steel Protective Coatings)		2244				2244	

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Pictures



6 inches of asphalt on the deck



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Bridge Inspection Report

Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to Girders at Spans 2, 3, 4, 5, 6, 7, 8, 9 & 11.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to Girders at Spans 2, 3, 4, 5, 6, 7, 8, 9 & 11.

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Bridge Inspection Report

Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to deck below at Spans 2, 6, & 10.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to deck below at Spans 2, 6 & 10.

Inspector:

Structure Number: A1335

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Bridge Inspection Report

Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to cap at Bents 4, 5, 6, 8, 9 & 10.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to cap at Bents 4, 5, 6, 8, 9 & 10.

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Bridge Inspection Report

Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Rust & pitting with section loss to moveable Bearings 1 & 6 at Bents 2, 4, 6, 8, & 10.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Rust & pitting with section loss to moveable Bearings 1 & 6 at Bents 2, 4, 6, 8, & 10.

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Maintenance Needs

Date Reported: 05/25/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Transverse cracks, some with rust stains, to deck below & to girders at all Spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Transverse cracks, some with rust stains, to deck below & to girders at all Spans