

Bridge Inspection Report

A1338
US 64 WHITE
over
WHITE RIVER RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

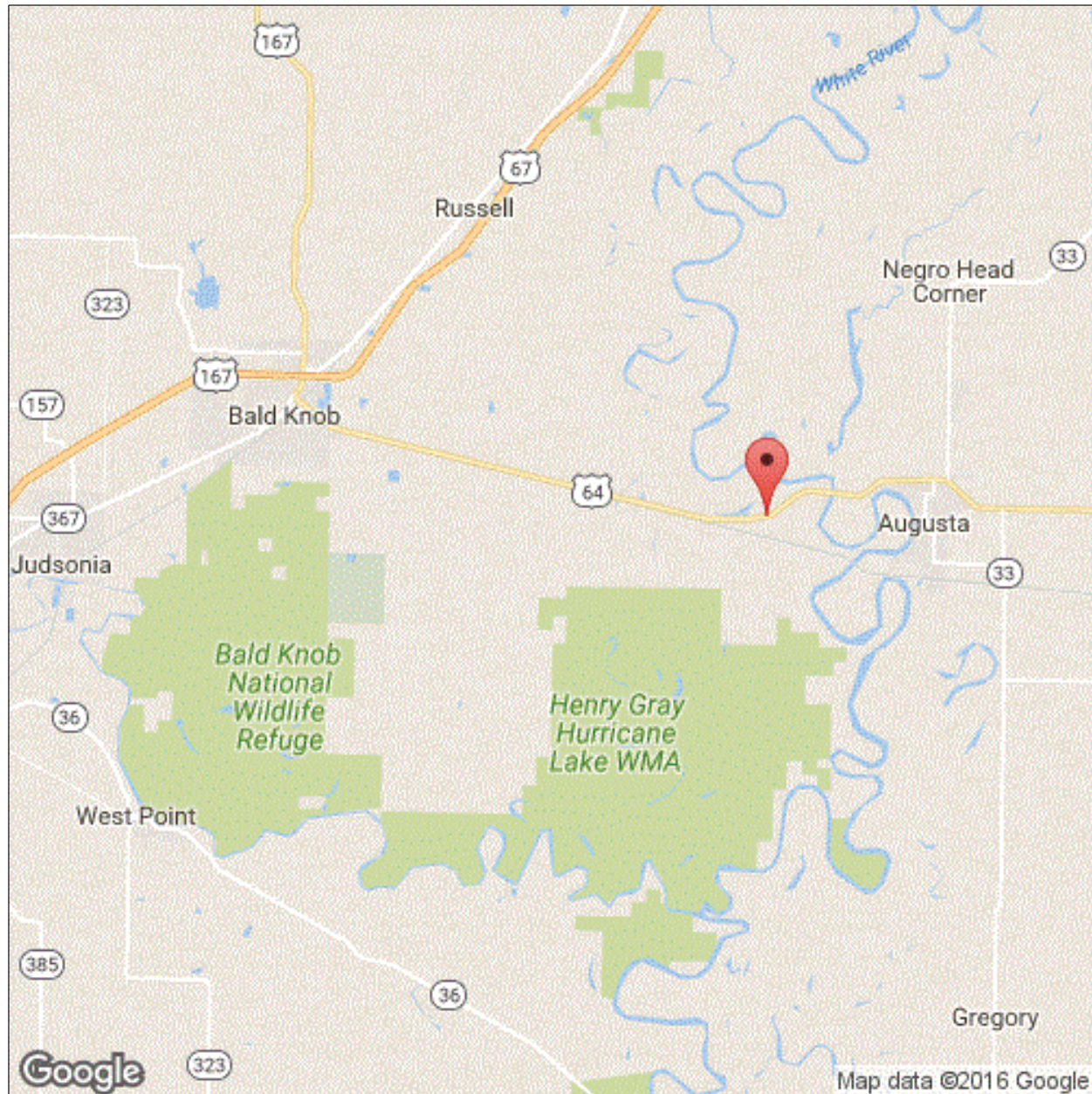
Structure Number: A1338

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.28362

Longitude: -91.41579

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Executive Summary

Log Mile looking East.
Construction Job 5501.

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION						INSPECTIONS	
(1) STATE CODE		056 - Arkansas				(90) INSPECTION DATE 08/11/2016	
(8) STRUCTURE NUMBER		A1338				(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		WHITE RIVER RELIEF				C. OTHER SPECIAL N	
(7) FACILITY CARRIED		US 64 WHITE					
(9) LOCATION		0.37 MI W of Woodruff Co					
(11) MILEPOINT 9.200		(12) BASE HIGHWAY NETWORK 1					
(13A) LRS INVENTORY ROUTE 0000064110		(13B) SUBROUTE NUMBER 00					
(16) LATITUDE 35.28362		(17) LONGITUDE -91.41579					
(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 8		(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.) 272					
(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.)		30.9					
(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 08/11/2016	
(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 6	
(59) SUPERSTRUCTURE 6 (60) SUBSTRUCTURE 7	
(61) CHANNEL & CHANNEL PROTECTION 7 (62) CULVERT N	
LOAD RATING AND POSTING	
(31) DESIGN LOAD 4	
(63) METHOD USED TO DETERMINE OPERATING RATING 1	
(64) OPERATING RATING 56.0	
(65) METHOD USED TO DETERMINE INVENTORY RATING 1	
(66) INVENTORY RATING 33.0	
(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 63.1	
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
12 - Reinforced Concrete Deck	1- Ben.	8405	sq. ft.	8041	224	140	0
	Asphalt overlay cracked at joints at Abutment 1 & 2 & Bents 2, 4, & 6. Spalls with rebar exposed to deck below at Spans 2 & 3. Transverse efflorescent cracks to deck below at all spans, some with rust. SEE FORM III						
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		362			224	138	
510 - Wearing Surfaces		7616	sq. ft.	4784	2748	84	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	1632	ft.	1518	91	23	0
	Spalls with rebar exposed to girders at Spans 2, 3, 4, 5, 6, & 7. Spalls with rebar exposed to concrete diaphragms at Bents 1, 2, 3, 4, 5, 6, & 7. SEE FORM III						
1080 - Delamination/Spall/Patched Area		23				23	
1090 - Exposed Rebar		19			19		
1120 - Efflorescence/Rust Staining		72			72		
205 - Reinforced Concrete Column	1- Ben.	42	each	41	0	1	0
	Large spall with no rebar exposed to Bent 2 Pile 5. Minor scour at Bents 2, 3, 4, 5, 6, & 7. SEE FORM III						
1080 - Delamination/Spall/Patched Area		1				1	
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	68	0	2	0
	Full height vertical cracks to Abutment 1 between Girders 6 & 7.						
1130 - Cracking (RC and Other)		2				2	
234 - Reinforced Concrete Pier Cap	1- Ben.	199	ft.	181	0	18	0
	Spalls with rebar exposed to caps at Bents 2, 3, 4, 5, & 6. SEE FORM III						
1080 - Delamination/Spall/Patched Area		9				9	
1090 - Exposed Rebar		9				9	
311 - Movable Bearing	1- Ben.	18	each	12	0	6	0
	Rust & corrosion to bearings 1 & 6 at Bents 2, 4, & 6.						
1000 - Corrosion		6				6	
515 - Steel Protective Coating		6	sq. ft.	0			6
330 - Metal Bridge Railing	1- Ben.	544	ft.	272	0	272	0
	Areas of rust (mostly back side) of railing.						
1000 - Corrosion		272				272	
515 - Steel Protective Coating		1632	sq. ft.	0	816		816

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Pictures



4 inches of asphalt on the bridge deck



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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spall with corroded rebar exposed to deck below/overhang at Spans 2, 3, & 6.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spall with corroded rebar exposed to deck below at Spans 2 & 3.

Stage: Assigned



PHOTO 2 Description Span 3. Spall with corroded rebar exposed to deck below at Spans 2 & 3.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Cracks, delaminating &/or spalls with rebar to caps at Bents 2 - 6.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 2 Right Side.
Cracks, delaminating &/or spalls with
rebar to caps at Bents 2 - 6.

Stage: Assigned



PHOTO 2 Description Bent 2 Right Side.
Cracks, delaminating &/or spalls with
rebar to caps at Bents 2 - 6.

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Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Large spall no rebar exposed to Pile 5 at Bent 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Large spall no rebar exposed to Pile 5 at Bent 2.

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Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Cracks, delaminating &/or spalls with rebar exposed to concrete girders at Spans 1 - 7.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Cracks, delaminating &/or spalls with rebar exposed to concrete girders at Spans 2 - 7.