

Bridge Inspection Report

A1334
US 64 WHITE
over
WHITE RIVER RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

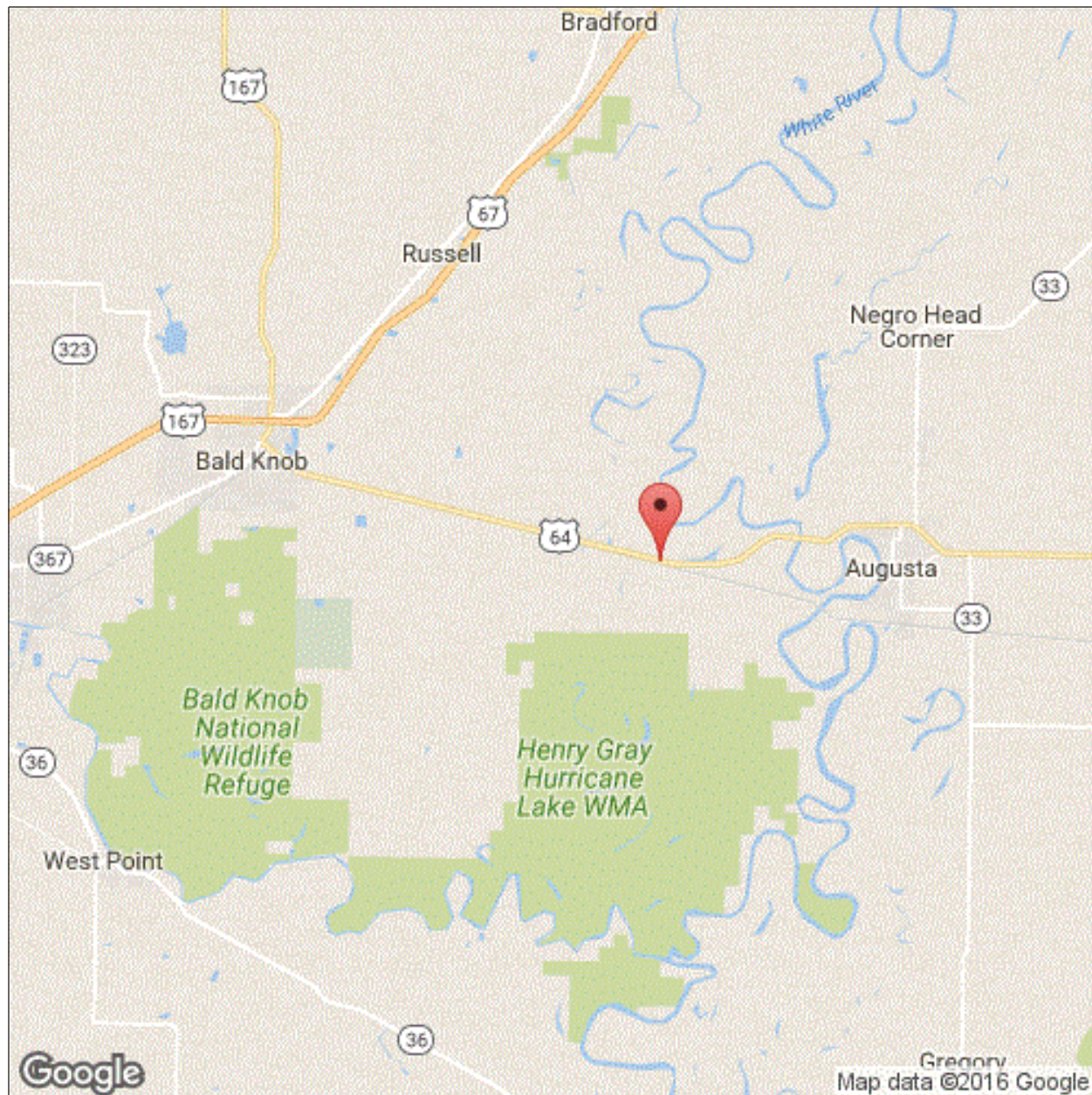
Structure Number: A1334

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.28394

Longitude: -91.43874

Inspector:

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Bridge Inspection Report

Executive Summary

Logmile looking East.
Construction Job 5501.

Inspector:

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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	A1334					(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							
(6) FEATURES INTERSECTED	WHITE RIVER RELIEF							
(7) FACILITY CARRIED	US 64 WHITE							
(9) LOCATION	7.46 MI EAST JCT US 67							
(11) MILEPOINT	7.890	(12) BASE HIGHWAY NETWORK	1					
(13A) LRS INVENTORY ROUTE	0000064110		(13B) SUBROUTE NUMBER	00				
(16) LATITUDE	35.28394	(17) LONGITUDE	-91.43874					
(98A) BORDER BRIDGE CODE								
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT							
STRUCTURE TYPE AND MATERIAL						CONDITION		
(43) STRUCTURE TYPE, MAIN						(58) DECK	6	
A) KIND OF MATERIAL/DESIGN:	1 - Concrete					(59) SUPERSTRUCTURE	6	
B) TYPE OF DESIGN/CONSTR:	04 - Tee Beam					(60) SUBSTRUCTURE	7	
(44) STRUCTURE TYPE, APPROACH SPANS						(61) CHANNEL & CHANNEL PROTECTION	7	
A) KIND OF MATERIAL/DESIGN:	0 - Other					(62) CULVERT	N	
B) TYPE OF DESIGN/CONSTR:	00 - Other					LOAD RATING AND POSTING		
(45) NUMBER OF SPANS IN MAIN	14	(46) NUMBER OF APPROACH	0					
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	6					
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0					
(31) DESIGN LOAD	4							
(63) METHOD USED TO DETERMINE OPERATING RATING	1							
(64) OPERATING RATING	60.0							
(65) METHOD USED TO DETERMINE INVENTORY RATING	1							
(66) INVENTORY RATING	36.0							
(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	8							
(36) TRAFFIC SAFETY FEATURE								
36A) BRIDGE RAILINGS:	0							
36B) TRANSITIONS:	0							
36C) APPROACH GUARDRAIL:	0							
36D) APPROACH GUARDRAIL ENDS:	1							
(113) SCOUR CRITICAL BRIDGES	5							
SUFFICIENCY RATING	0							
STATUS	65.4							
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							

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.)	476
(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

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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.	14708	sq. ft.	14275	224	209	0
	Minor cracks to overlay at joints. Minor cracks with efflorescence, some with rust stains at all spans. Spalls with rebar exposed to deck below at Spans 2, 3, 4, 5, 6, 8, 9, 12, 13, & 14.						
1080 - Delamination/Spall/Patched Area		26				26	
1090 - Exposed Rebar		17				17	
1120 - Efflorescence/Rust Staining		390			224	166	
510 - Wearing Surfaces		13328	sq. ft.	11476	1322	530	0
3220 - Crack (Wearing Surface)		1852			1322	530	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	2856	ft.	2622	153	81	0
	SEE FORM III						
1080 - Delamination/Spall/Patched Area		38				38	
1090 - Exposed Rebar		20				20	
1120 - Efflorescence/Rust Staining		176			153	23	
205 - Reinforced Concrete Column	1- Ben.	78	each	74	3	1	0
	Bent 2 - Large spall with 3.5' rebar exposed to Pile 4. Bent 4 - Vertical cracks to Piles 3, 4, & 5. SEE FORM III						
1090 - Exposed Rebar		1				1	
1130 - Cracking (RC and Other)		3			3		
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
234 - Reinforced Concrete Pier Cap	1- Ben.	369	ft.	332	9	28	0
	SEE FORM III						
1080 - Delamination/Spall/Patched Area		15				15	
1090 - Exposed Rebar		13				13	
1130 - Cracking (RC and Other)		9			9		
311 - Movable Bearing	1- Ben.	28	each	14	0	14	0
	Rust to bearings 1 & 6 at Bents 2, 4, 6, 8, 10, 12, & 14. SEE FORM III						
1000 - Corrosion		14				14	
515 - Steel Protective Coating		28	sq. ft.	0	0	14	14
3440 - Effectiveness (Steel Protective Coatings)		28				14	14
330 - Metal Bridge Railing	1- Ben.	952	ft.	285	667		
	Rusting mostly to back side of railing.						
515 - Steel Protective Coating		2856	sq. ft.	0	855	0	2001
3440 - Effectiveness (Steel Protective Coatings)		2856			855		2001

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Pictures



1 1/2 inches of asphalt on top of the deck



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Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Visual settlement to approach roadway at Abutments 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Visual settlement to approach roadway at Abutments 1 & 2.

Inspector:

Structure Number: A1334

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 8/13/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to caps Bents 2, 3, 6, 7, 8, 9, 10, 11, & 12.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls with rebar exposed to caps at Bents 2, 3, 6, 7, 8, 9, 10, 11, & 12.

Inspector:

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Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 8/13/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Rust & corrosion to Bearings 1 & 6 at Bents 2, 4, 6, 8, 10 & 12

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Rust & corrosion to Bearings 1 & 6 at
Bents 2, 4, 6, 8, 10, & 12

Inspector:

Structure Number: A1334

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/13/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Cracking, delaminating &/or spalls with rebar exposed to end of girders & concrete diaphragms at all Spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Cracking, delaminating &/or spalls with rebar exposed to end of girders & concrete diaphragms at all Spans.

Stage: Assigned



PHOTO 2 Description Cracking, delaminating &/or spalls with rebar exposed to ends of girders & concrete diaphragms.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/13/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Large spall with 3.5' rebar exposed to Pile 4 at Bent 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Large spall with 3.5' rebar exposed to Pile 4 at Bent 2.

Inspector:

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Maintenance Needs

Date Reported: 8/13/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to deck below at Spans 2, 3, 4, 5, 6, 8, 9, 12, 13, & 14.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1	Description	Spalls with rebar exposed to deck below at Spans 2, 3, 5, 6, 8, 9, 13, & 14.
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