

Bridge Inspection Report

A1332
US 64 WHITE
over
WHITE RIVER RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

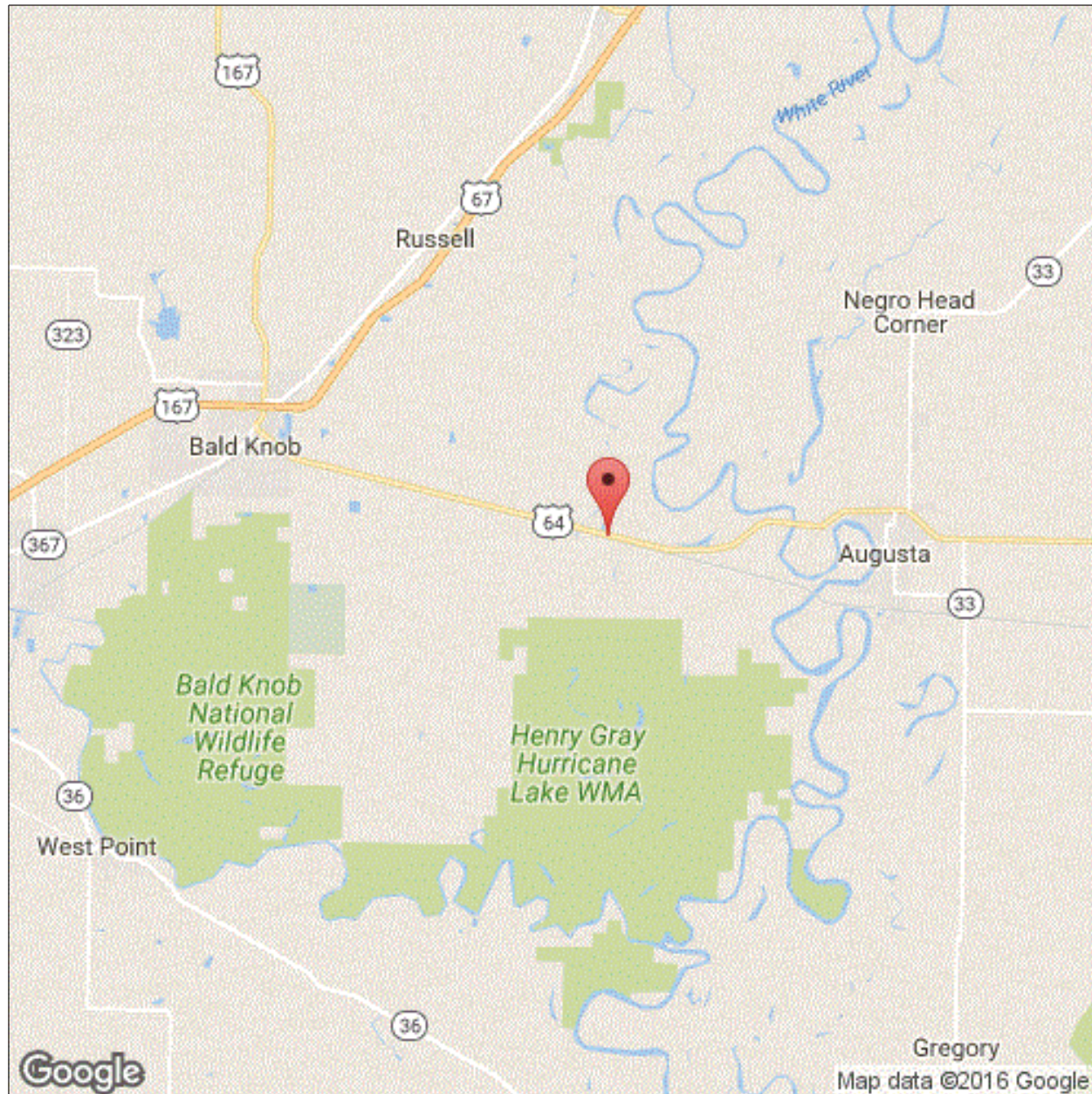
Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.28680

Longitude: -91.45285

Inspector:

Inspection Date:

Structure Number: A1332

Facility Carried: US 64 WHITE

Bridge Inspection Report

Executive Summary

Logmile looking East.
Construction Job: 5501.

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION						INSPECTIONS			
(1) STATE CODE		056 - Arkansas				(90) INSPECTION DATE		08/11/2016	
(8) STRUCTURE NUMBER		A1332				(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		6.65 MI EAST JCT US 67							
(11) MILEPOINT 7.070		(12) BASE HIGHWAY NETWORK 1							
(13A) LRS INVENTORY ROUTE 0000064110		(13B) SUBROUTE NUMBER 00							
(16) LATITUDE 35.28680		(17) LONGITUDE -91.45285							
(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 10		(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.) 340							
(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		7	
(59) SUPERSTRUCTURE 7		(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		57.0	
(65) METHOD USED TO DETERMINE INVENTORY RATING		1	
(66) INVENTORY RATING		34.0	
(70) BRIDGE POSTING		5	
(41) STRUCTURE OPEN/POSTED/CLOSED		A	
APPRAISAL			
(67) STRUCTURAL EVALUATION		7	
(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:		0	
(113) SCOUR CRITICAL BRIDGES		5	
SUFFICIENCY RATING 0		STATUS 63.8	
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	

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	10506	sq. ft.	10281	221	4	0
	Cracking to asphalt overlay. Efflorescent cracks to deck below at all spans. SEE FORM III						
1080 - Delamination/Spall/Patched Area		4				4	
1090 - Exposed Rebar		12			12		
1120 - Efflorescence/Rust Staining		209			209		
510 - Wearing Surfaces		9520	sq. ft.	8308	1100	112	0
3220 - Crack (Wearing Surface)		1212			1100	112	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	2040	ft.	1962	13	65	0
	SEE FORM III						
1080 - Delamination/Spall/Patched Area		37				37	
1090 - Exposed Rebar		17				17	
1120 - Efflorescence/Rust Staining		13			13		
1130 - Cracking (RC and Other)		11				11	
205 - Reinforced Concrete Column	1- Ben.	54	each	52	1	1	0
	Bent 4 Pile 3 - Spall with rebar exposed. Bent 8 Pile 6 - Minor spall near bottom. SEE FORM III						
1080 - Delamination/Spall/Patched Area		1			1		
1090 - Exposed Rebar		1				1	
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
	Abutment 1 - Minor erosion with 2 piles exposed.						
234 - Reinforced Concrete Pier Cap	1- Ben.	256	ft.	199	0	57	0
	SEE FORM III						
1080 - Delamination/Spall/Patched Area		22				22	
1090 - Exposed Rebar		19				19	
1130 - Cracking (RC and Other)		16				16	
311 - Movable Bearing	1- Ben.	18	each	10	0	8	0
	Rust to bearings 1 & 6 at Bents 2, 4, 6, & 8.						
1000 - Corrosion		8				8	
515 - Steel Protective Coating		8	sq. ft.	0	0	0	8
3440 - Effectiveness (Steel Protective Coatings)		8					8
330 - Metal Bridge Railing	1- Ben.	680	ft.	339	341	0	0
	Span 1 - Post 1-3 on right are bent & twisted. Rust/Corrosion to 50% of railing						
1000 - Corrosion		341			341		
515 - Steel Protective Coating		2040	sq. ft.	0	0	1020	1020
3440 - Effectiveness (Steel Protective Coatings)		2040				1020	1020

Inspector:

Inspection Date:

Structure Number: A1332

Facility Carried: US 64 WHITE

Bridge Inspection Report

Pictures



2 inches of asphalt on to p of the deck.



Typical cracking to bottom of girders at random areas.



Span 6 Girder 3 - Typical cracking, delaminating, and spalling with rebar exposed to girders at all spans



Bent 7 - typical of cracks, delamination, and spalls with rebar exposed to caps at Bents 1 through 9

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/11/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Visible settlement to roadway approaches at Abutments 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Visible settlement to roadway approaches at Abutments 1 & 2.

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

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 exposed to caps at Bents 1 - 9.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Cracks, delaminating &/or spalls with rebar exposed to caps at Bents 1 - 9.

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

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

Priority: C - Important

Work Code:

Deficiency Description:

Rust to bearings 1 & 6 at Bents 2, 4, 6, & 8

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 4 Girder 6 - Typical of rust to Bearings 1 & 6 at Bents 2, 4, 6, & 8.

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

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

Priority: C - Important

Work Code:

Deficiency Description:

Bent 4 Pile 3 - Cracking, delaminating & spalls with rebar exposed.
Bent 8 Piles 6 - Minor spall.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1	Description	Bent 4 Pile 3 - Cracking, delaminating & spalls with rebar exposed at top of piles.
---------	-------------	---

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

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

Priority: C - Important

Work Code:

Deficiency Description:

Cracking, delaminating &/or spalls with rebar exposed to girders at all spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 2 Girder 5 - Typical cracking, delaminating &/or spalls with rebar exposed to girders at all spans.

Stage: Assigned



PHOTO 2 Description End of Girder 5 at Span 5. Cracking, delaminating &/or spalls with rebar exposed to girders at all spans.

Inspector:

Structure Number: A1332

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Minor scour to Bents 2, 3, 4, 5, and 7.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Minor scour to Bents 2, 3, 4, 5, and 7.