

Bridge Inspection Report

A1330
US 64 WHITE
over
CUT OFF CREEK



Inspection Date:

Inspected By:

Inspection Type(s):





Inspector:

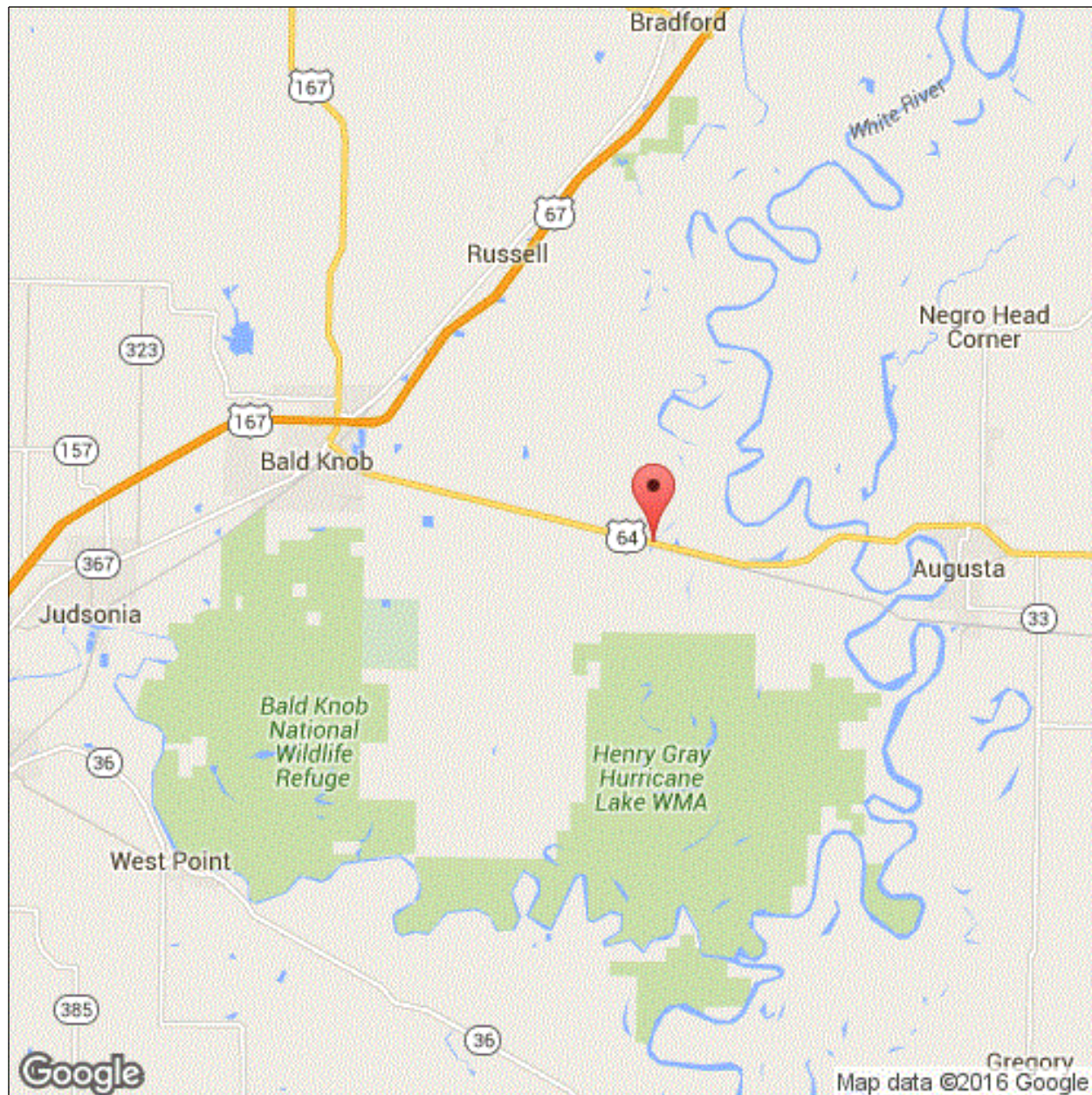
Structure Number: A1330

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.28866

Longitude: -91.46200

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Executive Summary

Logmile 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	05/24/2016
(8) STRUCTURE NUMBER	A1330	(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	CUT OFF CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64 WHITE		
(9) LOCATION	6.12 MI EAST JCT US 67		
(11) MILEPOINT 6.540	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064110 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.28866	(17) LONGITUDE -91.46200		
(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 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	5 (62) CULVERT N
(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 5	(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		LOAD RATING AND POSTING	
(27) YEAR BUILT 1930	(106) YEAR RECONSTRUCTED 1962	(31) DESIGN LOAD	4
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	57.0
(29) AVERAGE DAILY TRAFFIC 5400	(19) BYPASS DETOUR LENGTH 57	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	34.0
(109) AVERAGE DAILY TRUCK TRAFFIC 15		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 34	(49) STRUCTURE LENGTH (ft.) 170	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 31		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 42.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 27.9		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	2 STATUS 62.8
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 7700	(115) YEAR OF FUTURE ADT 2033	(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.	5270	sq. ft.	4302	244	724	0
	Unsealed cracks to deck with areas of heavy scaling & spalling to gutters. Span 1 - Spall with 1.5' rebar exposed to deck below. Span 2 - Spall with 14" rebar exposed to deck below. Span 3 - Spall with 8" rebar exposed to deck below. Span 4 - Spall with 2.5' rebar exposed to deck below. Transverse cracks with rust &/or to deck below at all spans.						
1080 - Delamination/Spall/Patched Area		360				360	
1090 - Exposed Rebar		6			6		
1120 - Efflorescence/Rust Staining		42			42		
1130 - Cracking (RC and Other)		560			196	364	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	1020	ft.	999	21	0	0
	See Form III						
1090 - Exposed Rebar		6			6		
1120 - Efflorescence/Rust Staining		15			15		
205 - Reinforced Concrete Column	1- Ben.	24	each	24			
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
	Abutment 1 is eroded 2"- 6" deep & 2' back under.						
227 - Reinforced Concrete Pile	1- Ben.	12	each	11	1	0	0
	Vertical crack to Pile 6 Bent 2.						
1130 - Cracking (RC and Other)		1			1		
234 - Reinforced Concrete Pier Cap	1- Ben.	114	ft.	101	13	0	0
	See Form III						
1090 - Exposed Rebar		13			13		
311 - Movable Bearing	1- Ben.	24	each	22	0	2	0
	Span 2 - (end of span) Bearings 1 & 6 have heavy rust & corrosion.						
1000 - Corrosion		2				2	
330 - Metal Bridge Railing	1- Ben.	340	ft.	0	170	170	0
	Areas of rust.						
1000 - Corrosion		340			170	170	
515 - Steel Protective Coating		1020	sq. ft.	0		1020	

Agency Inventory

Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS IN

WEATHERING STEEL No

PIN / HANGER No

STAY IN PLACE FORMS No

STEEL TONS Tons(41) STRUCTURE
OPEN/POSTED/CLOSED A**Location**ROAD / ROUTE NAME SECTION ZONE **Seismic**

SEISMIC

SEISMIC YEAR / ZONE **Notification**SCHOOL DISTRICT EMAIL OWNER EMAIL

LATE REASON

Load Po**Calculated**

CODE 4 VEHICLE (22 tons)

CODE 9 VEHICLE (31 tons)

CODE 5 VEHICLE (40 tons)

Posted

Bridge Beginning

CODE 4 TonsCODE 9 TonsCODE 5 Tons**Stip**

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

Notes

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/10/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to girders &/or diaphragm at Spans 2, 3, & 4

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 3 Girder 5 Spall with 1' rebar exposed at beginning of span.

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Maintenance Needs

Date Reported: 5/10/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed &/or delaminating areas to caps at Bents 1, 2, 3, & 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spall with 5' rebar exposed to back side of cap at Bent 2.

Stage: Assigned



PHOTO 2 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/10/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed & transverse cracks, some with rust, to deck below at all Spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 1. Typical transverse efflorescent cracks to soffit. Some with rust.

Stage: Assigned



PHOTO 2 Description Spalls with rebar exposed & transverse cracks, some with rust, to deck below at all Spans.

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Maintenance Needs

Date Reported: 5/10/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Unsealed cracks to deck & areas of heavy scaling & spalling in gutters at all Spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical deck cracking.

Stage: Assigned



PHOTO 2 Description Areas of scaling to Left & Right gutters at all spans.

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Maintenance Needs

Date Reported: 5/10/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Scour present to right side at Bent 2 & 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Scour to right side of Bent 2 & 3.