

Bridge Inspection Report

A1329
US 64 WHITE
over
GLAISE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

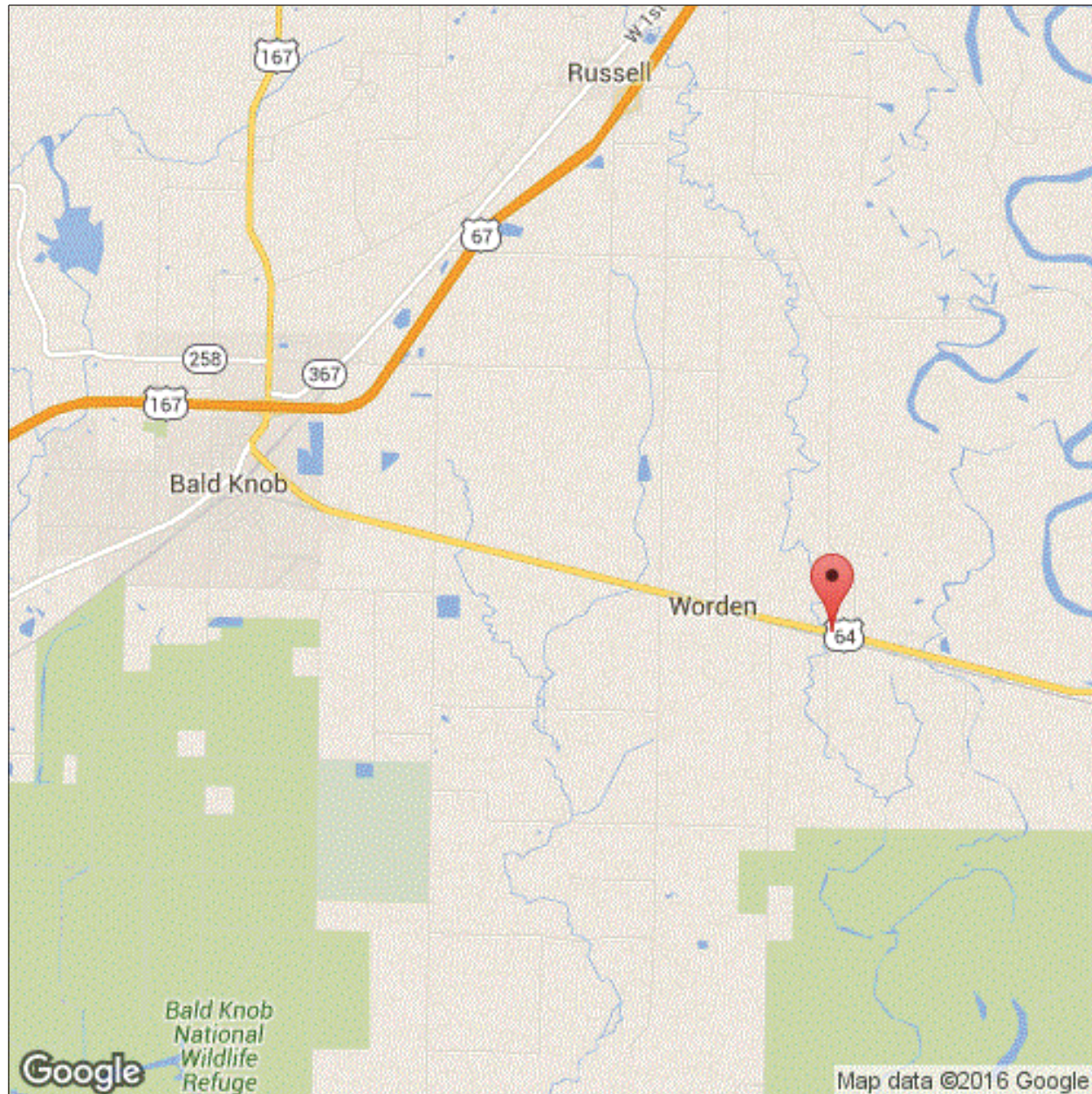
Structure Number: A1329

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.29091

Longitude: -91.47305

Inspector:

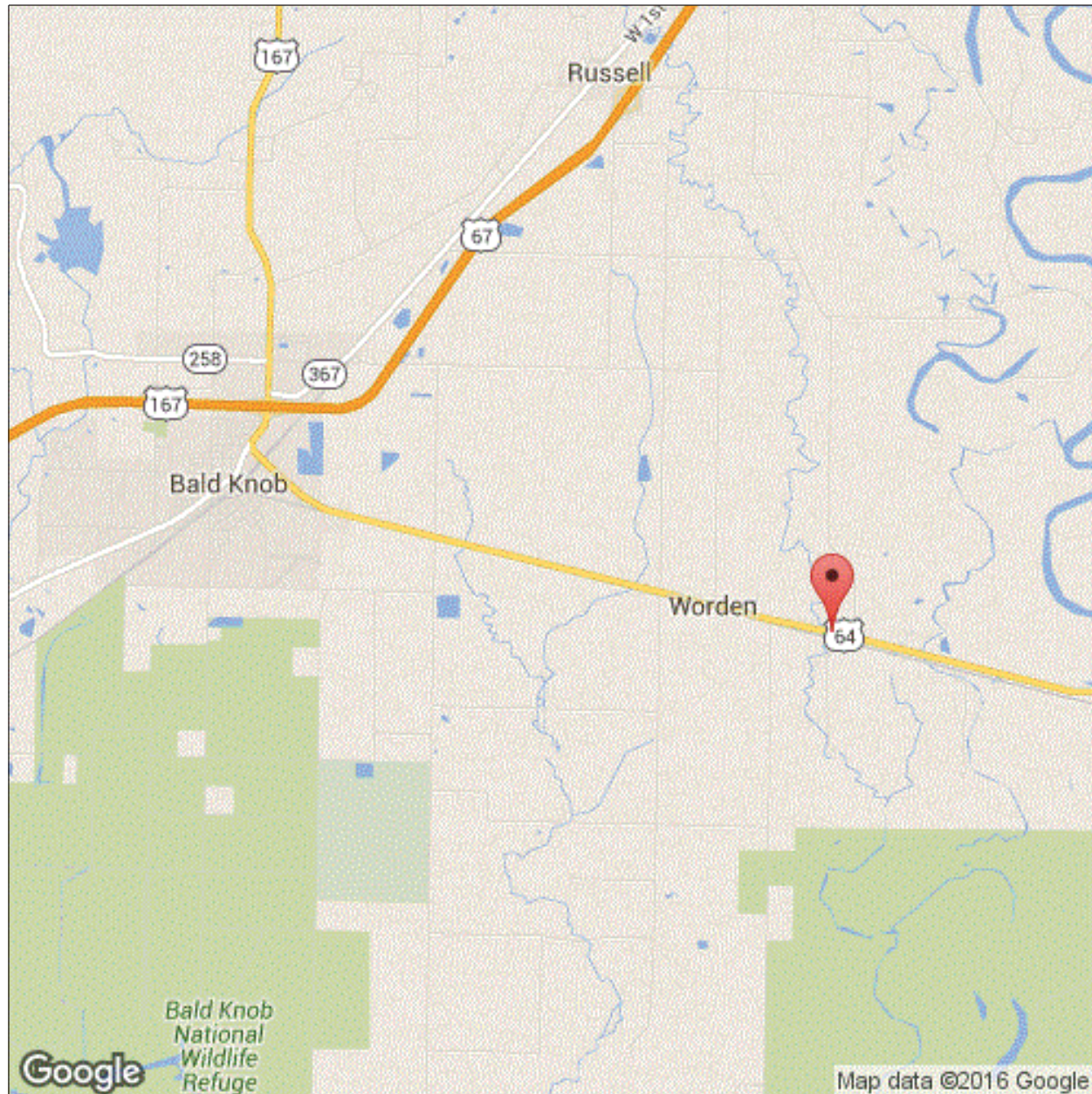
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Location Map



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Executive Summary

Log Mile looking East.

Job 1121 & Widened Job 5501.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/24/2016
(8) STRUCTURE NUMBER	A1329	(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	GLAISE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64 WHITE		
(9) LOCATION	5.48 MI EAST JCT US 67		
(11) MILEPOINT 5.890	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064110 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.29091	(17) LONGITUDE -91.47305		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
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 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		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	48.0
(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	29.0
(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.) 272	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	4
(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	7
(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:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(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	0 STATUS 62.5
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.	8432	sq. ft.	8295	10	127	0
	Overlay cracked at all joints. See Form III.						
1090 - Exposed Rebar		10			10		
1120 - Efflorescence/Rust Staining		127				127	
510 - Wearing Surfaces		7616	sq. ft.	7420	196	0	0
3220 - Crack (Wearing Surface)		196			196		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	1632	ft.	1596	36	0	0
	See Form III.						
1090 - Exposed Rebar		15			15		
1120 - Efflorescence/Rust Staining		21			21		
205 - Reinforced Concrete Column	1- Ben.	42	each	23	18	1	0
	Bent 3 - Column 1 has vertical crack. Bent 4, 5, 6 - Scaling to Piles 1 - 6. SEE FORM III						
1130 - Cracking (RC and Other)		1			0	1	
1190 - Abrasion/Wear (PSC/RC)		18			18		
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
227 - Reinforced Concrete Pile	1- Ben.	18	each	18			
234 - Reinforced Concrete Pier Cap	1- Ben.	200	ft.	193	7	0	0
	See Form III.						
1090 - Exposed Rebar		4			4		
1130 - Cracking (RC and Other)		3			3		
311 - Movable Bearing	1- Ben.	18	each	14	0	4	0
	Rust, Corrosion, & Section Loss to Bearings 1 & 6 at Spans 2 & 6.						
1000 - Corrosion		4				4	
330 - Metal Bridge Railing	1- Ben.	544	ft.	0	272	272	0
	Rail is Rusting.						
1000 - Corrosion		544			272	272	
515 - Steel Protective Coating		1632	sq. ft.	0		816	816

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Pictures



6 inches of asphalt on the deck



Span 2, Girder 4 - typical cracking to girder

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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to girders &/or diaphragms at Spans 2 - 8.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical spalls with rebar exposed to concrete haunches.

Stage: Assigned



PHOTO 2 Description Span 4. Spall to Girder 3 with 3' rebar exposed & Girder 5 with 1' rebar exposed.

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

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed to caps at Bents 1 - 4

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 4. Spall with 2' rebar exposed.

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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar exposed &/or transverse efflorescent cracks, some with rust, to deck below at all spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical efflorescent cracking & spall to soffit.

Stage: Assigned



PHOTO 2 Description Typical efflorescent cracks to soffit.