

Bridge Inspection Report

A1327
US 64 WHITE
over
BIG MINGO CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

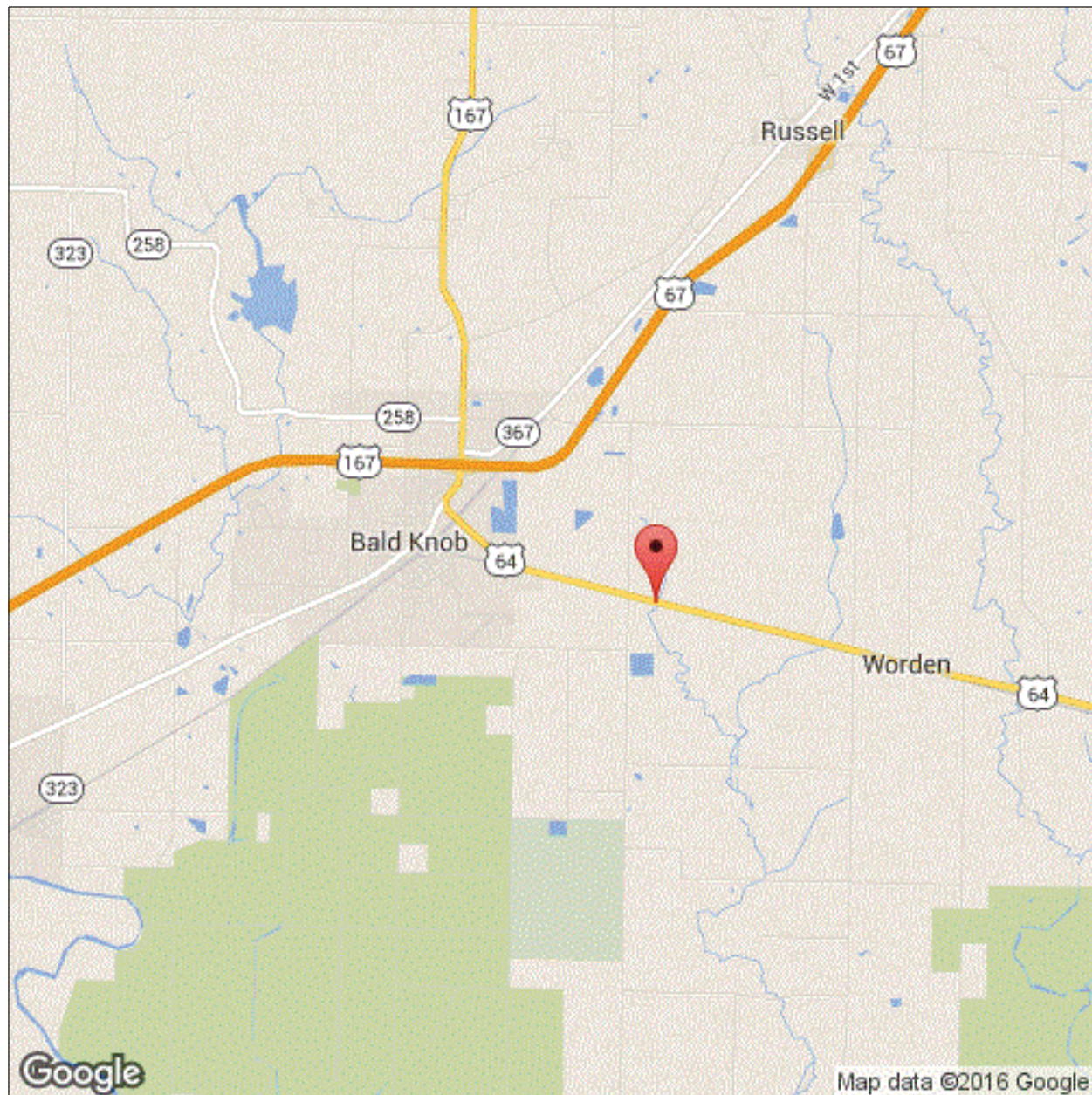
Structure Number: A1327

Inspection Date:

Facility Carried: US 64 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.30206

Longitude: -91.53080

Inspector:

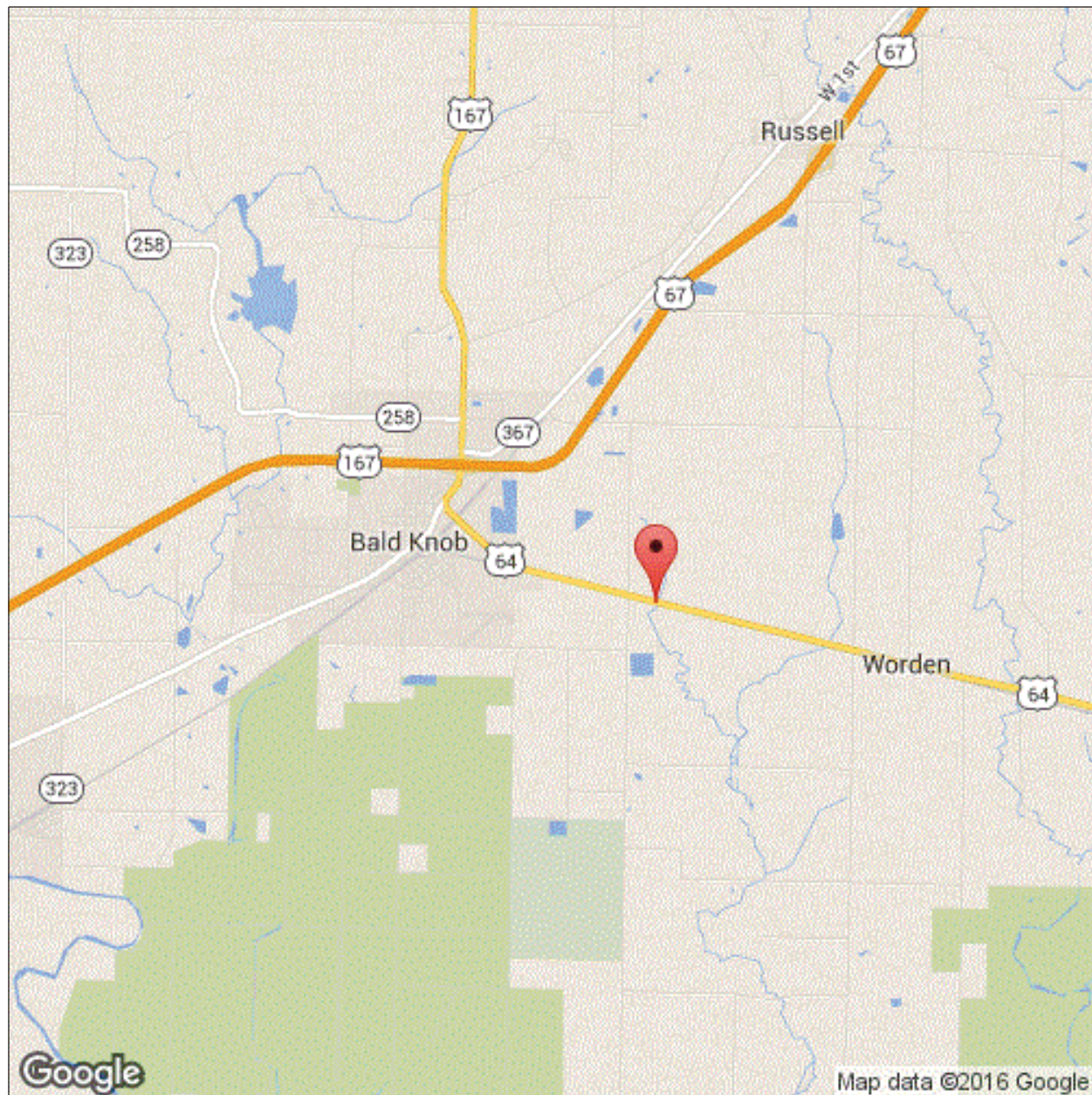
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Location Map



Latitude: 35.30206

Longitude: -91.53080

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Executive Summary

Log Mile looking East.

Construction Job Number: 5501.

Inspector:

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/25/2016
(8) STRUCTURE NUMBER	A1327	(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	BIG MINGO CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64 WHITE		
(9) LOCATION	2.3 MI E JCT SH 367&US64		
(11) MILEPOINT 2.330	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064110 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.30206	(17) LONGITUDE -91.53080		
(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 7
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	7 (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 3	(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	55.0
(29) AVERAGE DAILY TRAFFIC 5200	(19) BYPASS DETOUR LENGTH 39	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	33.0
(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.) 102	(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.)	31.2	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	30.8	(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.)	29.2	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:	0
(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 61.6
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	129.0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(95) ROADWAY IMPROVEMENT COST (\$)	265	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	777	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(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
38 - Reinforced Concrete Slab	1- Ben.	3182	sq. ft.	3129	53	0	0
	Cracks to overlay at joints. Transverse efflorescent cracks to Deck below at all spans with rust at Spans 1, 2, & 3. Longitudinal crack to Deck below between Girders 2 & 3 at Span 2.						
1120 - Efflorescence/Rust Staining		53			53		
510 - Wearing Surfaces		2856	sq. ft.	2856			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	612	ft.	598	14	0	0
	Some minor vertical cracks to Girders 1 & 6 at all spans. Span 1 - Girder 2, 3 - Minor spalls with 1' rebar exposed. Span 2 - Girder 2 - Spall with 2' rebar exposed @ beginning of span. Girder 4, 5 - Cracks & delam. to girders. Girder 5 - Cracks & areas of delam. to girder. Spall with 1' rebar exposed @ end of span. Span 3 - Girder 3 has spall with minor rebar exposed @ beginning of span. Girder 6 has spall with 1' rebar exposed @ beginning of span. Spalls with 2' of rebar exp. to diaph. between Girders 3 & 4 at beginning of span. Spalls with 3' of rebar exp. to diaph. between Girders 4 & 5 at beginning of span.						
1090 - Exposed Rebar		5			5		
1120 - Efflorescence/Rust Staining		9			9		
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
227 - Reinforced Concrete Pile	1- Ben.	12	each	12			
234 - Reinforced Concrete Pier Cap	1- Ben.	56	ft.	52	2	2	0
	Bent 1 - Efflorescent map cracking with light rust to Right end of Cap Bent 2 - Spall with 1' of rebar exposed to bottom of Cap at Pile 5 ahead side of Cap. Spall with 6" rebar exposed to bottom of Cap at Pile 2 on ahead side Cap. 2' area to Right end of Cap with heavy efflorescent map cracking & deterioration.						
1090 - Exposed Rebar		2			2		
1120 - Efflorescence/Rust Staining		2				2	
311 - Movable Bearing	1- Ben.	4	each	2	0	2	0
	Rust and Section Loss to Bearings 1 & 6 at Bent 2.						
1000 - Corrosion		2				2	
330 - Metal Bridge Railing	1- Ben.	204	ft.	0	204	0	0
1000 - Corrosion		204			204		
515 - Steel Protective Coating		612	sq. ft.	0		612	

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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 & Diaphragm at Spans 1, 2, & 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical spalls with rebar exposed to Concrete Diaphragm.

Stage: Assigned



PHOTO 2 Description Span 3 Spall to Girder 6 with rebar exposed at Beginning of Span.

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

Priority: D - Routine

Work Code:

Deficiency Description:

Rust & section loss to Bearings at Girders 1 & 6 at Bent 2 & 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical rust to Bearings.