

Bridge Inspection Report



**A1339
US 64
over
WHITE RIVER RELIEF**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: A1339

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Location Map



Latitude: 35.28660

Longitude: -91.40922

Inspector:

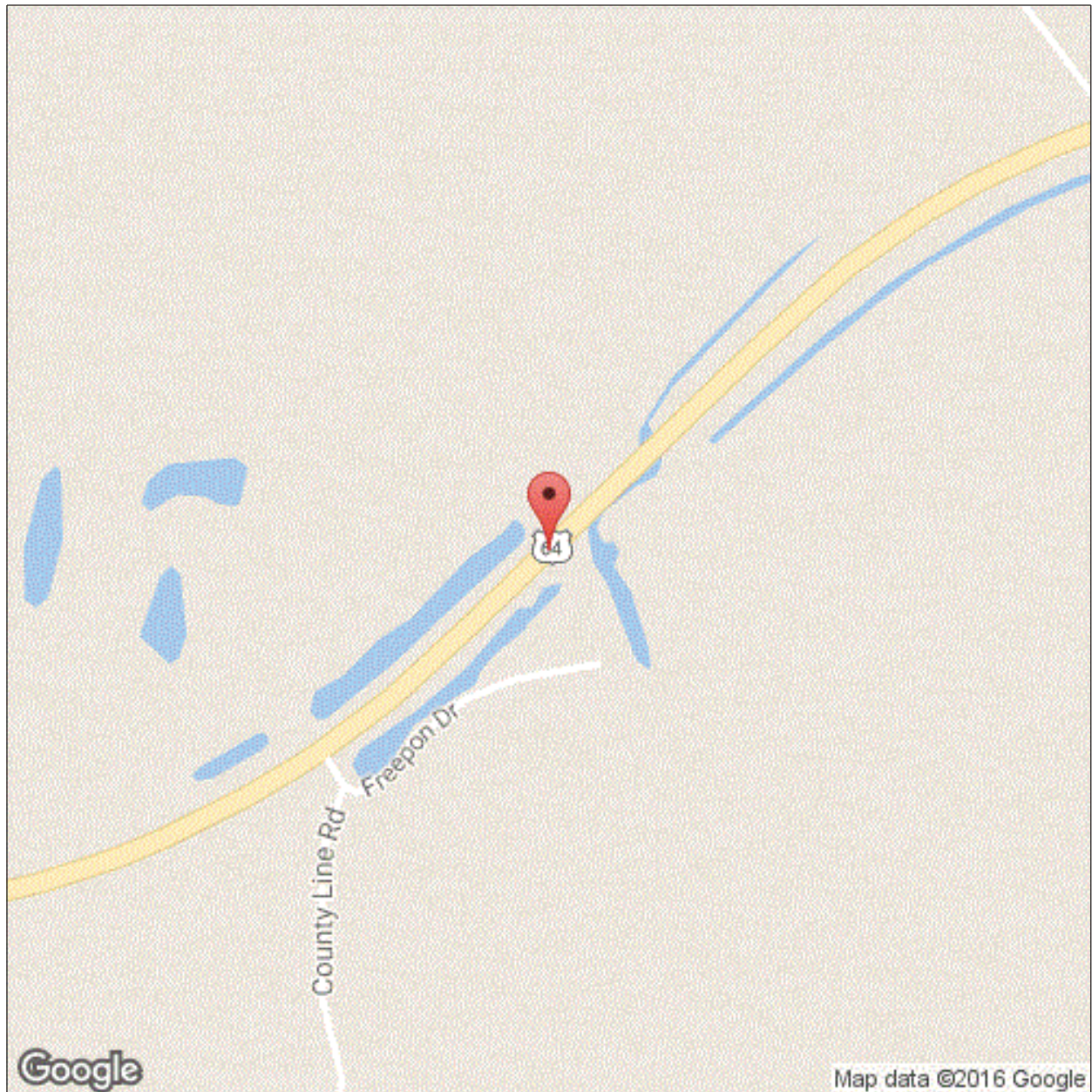
Inspection Date:

Structure Number: A1339

Facility Carried: US 64

Bridge Inspection Report

Location Map



Latitude: 35.28660

Longitude: -91.40922

Inspector:

Structure Number: A1339

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/27/2016
(8) STRUCTURE NUMBER	A1339	(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 01	(3) COUNTY CODE 147	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	CONDITION	
(9) LOCATION	0.16 MI EAST OF WHITE CO	(58) DECK	7
(11) MILEPOINT 0.160	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE 7	(60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE 0000064120	(13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION 8	(62) CULVERT N
(16) LATITUDE 35.28660	(17) LONGITUDE -91.40922	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	45.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(66) INVENTORY RATING	27.0
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN: 0 - Other		APPRAISAL	
B) TYPE OF DESIGN/CONSTR: 00 - Other		(67) STRUCTURAL EVALUATION	6
(45) NUMBER OF SPANS IN MAIN 15	(46) NUMBER OF APPROACH 0	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT 1930	(106) YEAR RECONSTRUCTED 1962	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE ON 1	UNDER 5	36A) BRIDGE RAILINGS:	0
(28) LANES ON 02	UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC 5400	(19) BYPASS DETOUR LENGTH 25	36C) APPROACH GUARDRAIL:	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC 32		(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	0
(48) LENGTH OF MAX SPAN (ft.) 34	(49) STRUCTURE LENGTH (ft.) 512	STATUS	60.6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.4	RIGHT 1.4	CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(32) APPROACH ROADWAY WIDTH (ft.)	45.9	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(100) STRAHNET HIGHWAY DESIGNATION	0
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	(101) PARALLEL STRUCTURE DESIGNATION	N
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.8	(102) DIRECTION OF TRAFFIC	2
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(103) TEMP STRUCTURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(105) FEDERAL LANDS HIGHWAYS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(110) DESIGNATED NATIONAL NETWORK	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(20) TOLL	3
PROPOSED IMPROVEMENTS		(21) MAINTENANCE RESPONSIBILITY	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT 6386	(115) YEAR OF FUTURE ADT 2028	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

Structure Number: A1339

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	15794	sq. ft.	12057	3737	0	0
	AREAS OF SPALLS AT DECK DRAINS, EXPOSED REBAR, NO SECTION LOSS. SEVERAL TRANSVERSE HAIRLINE CRACKS WITH EFFLORESCENCE. SPAN #14 AT BENT #14 BETWEEN GIRDERS #4,5 SOFFIT HAS A 2' SPALL WITH EXPOSED REBAR.						
1090 - Exposed Rebar		17			17		
1120 - Efflorescence/Rust Staining		3720			3720		
510 - Wearing Surfaces		14775	sq. ft.	14775			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	3060	ft.	3040	10	10	0
	BENT #2 GIRDER #4 BENT #3 SPAN #2 GIRDER #5, BENT #7 SPAN # 8 GIRDER #3, AND BENT #9 SPAN # 10 GIRDER # 3,4,5 SPAN #10 BENT #11 GIRDER #4 ALL HAVE SPALLS WITH EXPOSED REBAR AT BEARING AREA . SEVERAL DELAMINATIONS AT BEARING AREA AT VARIOUS LOCATIONS. EXTERIOR GIRDERS HAVE HAIRLINE VERTICAL FLEXURE CRACKS SPACED 2'+- . INTERIOR GIRDERS HAVE 2 TO 3 VERTICAL FLEXURE CRACKS EACH IN CENTER OF SPAN. Span #15 girder#4 at bent #15, 3' crack/ DELAM.						
1080 - Delamination/Spall/Patched Area		10			10		
1090 - Exposed Rebar		10				10	
215 - Reinforced Concrete Abutment	1- Ben.	70	ft.	70			
227 - Reinforced Concrete Pile	1- Ben.	84	each	82	2	0	0
	BENT #13 PILE #2,3 EACH HAVE A 5' VERTICAL CRACK						
1130 - Cracking (RC and Other)		2			2		
234 - Reinforced Concrete Pier Cap	1- Ben.	392	ft.	360	20	12	0
	BENTS #3,5,7,9,10,11,13, & 14. HAVE AREAS OF SPALLING ON FACE OF CAP WITH EXPOSED REBAR. REBAR HAS MINOR SECTION LOSS. SEVERAL DELAMINATIONS ON CAPS IN VARIOUS LOCATIONS.						
1080 - Delamination/Spall/Patched Area		20			20		
1090 - Exposed Rebar		12				12	
311 - Movable Bearing	1- Ben.	42	each	42			
313 - Fixed Bearing	1- Ben.	132	each	132			
330 - Metal Bridge Railing	1- Ben.	1020	ft.	1020			
515 - Steel Protective Coating		3060	sq. ft.	0	0	1530	1530
3440 - Effectiveness (Steel Protective Coatings)		3060				1530	1530

Inspector:

Structure Number: A1339

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/31/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

GIRDERS - BENT #2 GIRDER #4
SPAN #2 GIRDER #5 - BENT #3
SPAN #8 GIRDER #3 - BENT #7
SPAN #10 GIRDER #3,4 - BENT #9

MODERATE SPALLS AT BEARING AREA WITH EXPOSED PRIMARY REBAR

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Inspection Date:

Structure Number: A1339

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor



PHOTO 4 Description

Stage: Monitor



PHOTO 5 Description

Stage: Monitor



PHOTO 6 Description

Inspector:

Structure Number: A1339

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/31/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CAPS - BENTS 3, 5, 7, 9, 10, 11, 13, 14, 15

SEVERAL CAPS HAVE MINOR SPALLS WITH EXPOSED SECONDARY REBAR

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Inspection Date:

Structure Number: A1339

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Stage: Monitor



PHOTO 4 Description

Stage: Monitor



PHOTO 5 Description

Stage: Monitor



PHOTO 6 Description

Inspector:

Inspection Date:

Structure Number: A1339

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 7 Description

Stage: Monitor



PHOTO 8 Description

Inspector:

Structure Number: A1339

Inspection Date:

Facility Carried: US 64

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/31/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

APPROACH RAIL

ABUTMENT #1
RIGHT

APPROACH RAIL HAS MINOR IMPACT DAMAGE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description