

Bridge Inspection Report

03081
US 70- 9B WB 1.89
over
SH 7 Spur



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

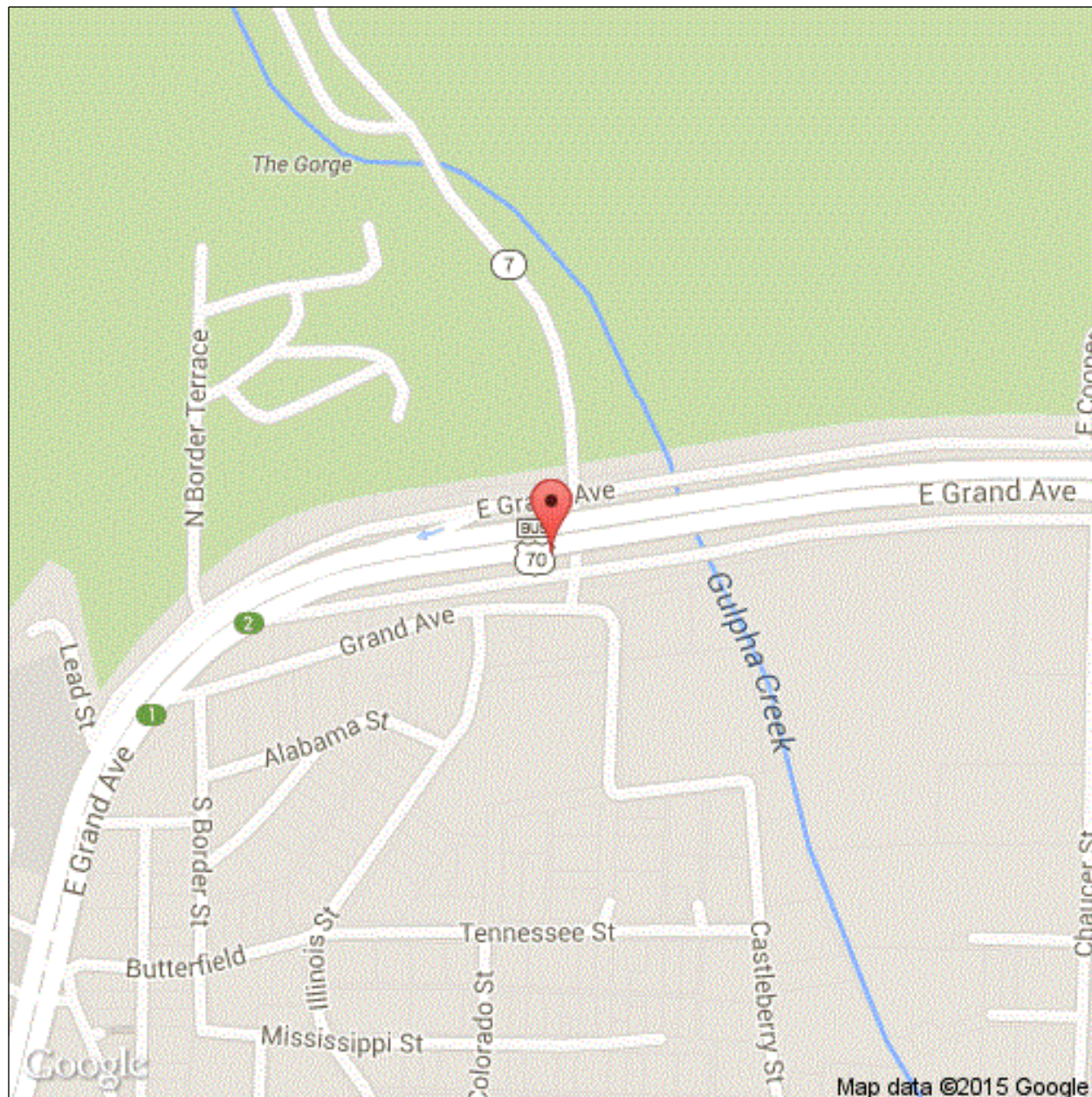
Structure Number: 03081

Inspection Date:

Facility Carried: US 70- 9B WB 1.89

Bridge Inspection Report

Location Map



Latitude: 34.51910

Longitude: -93.03353

Inspector:

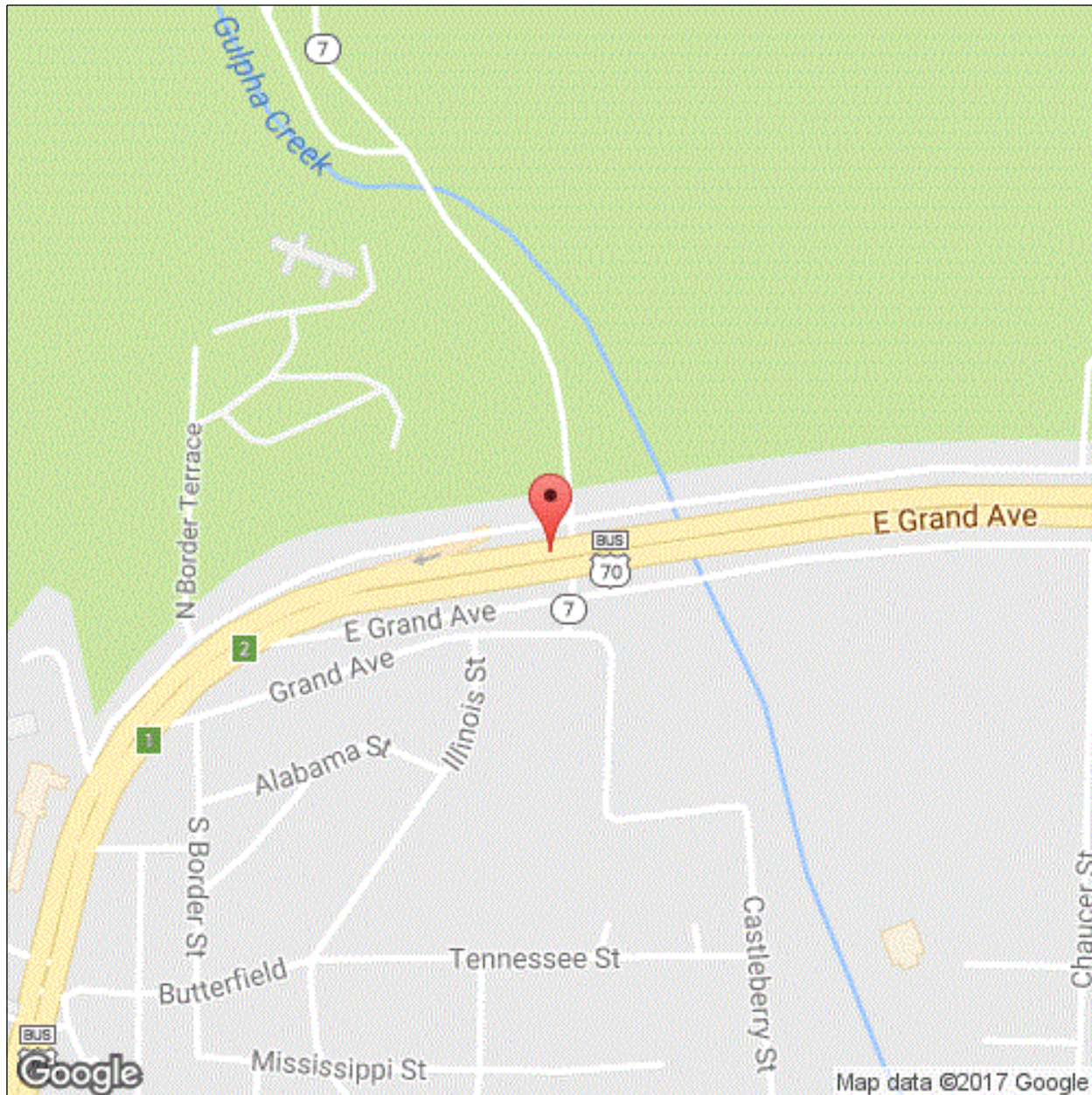
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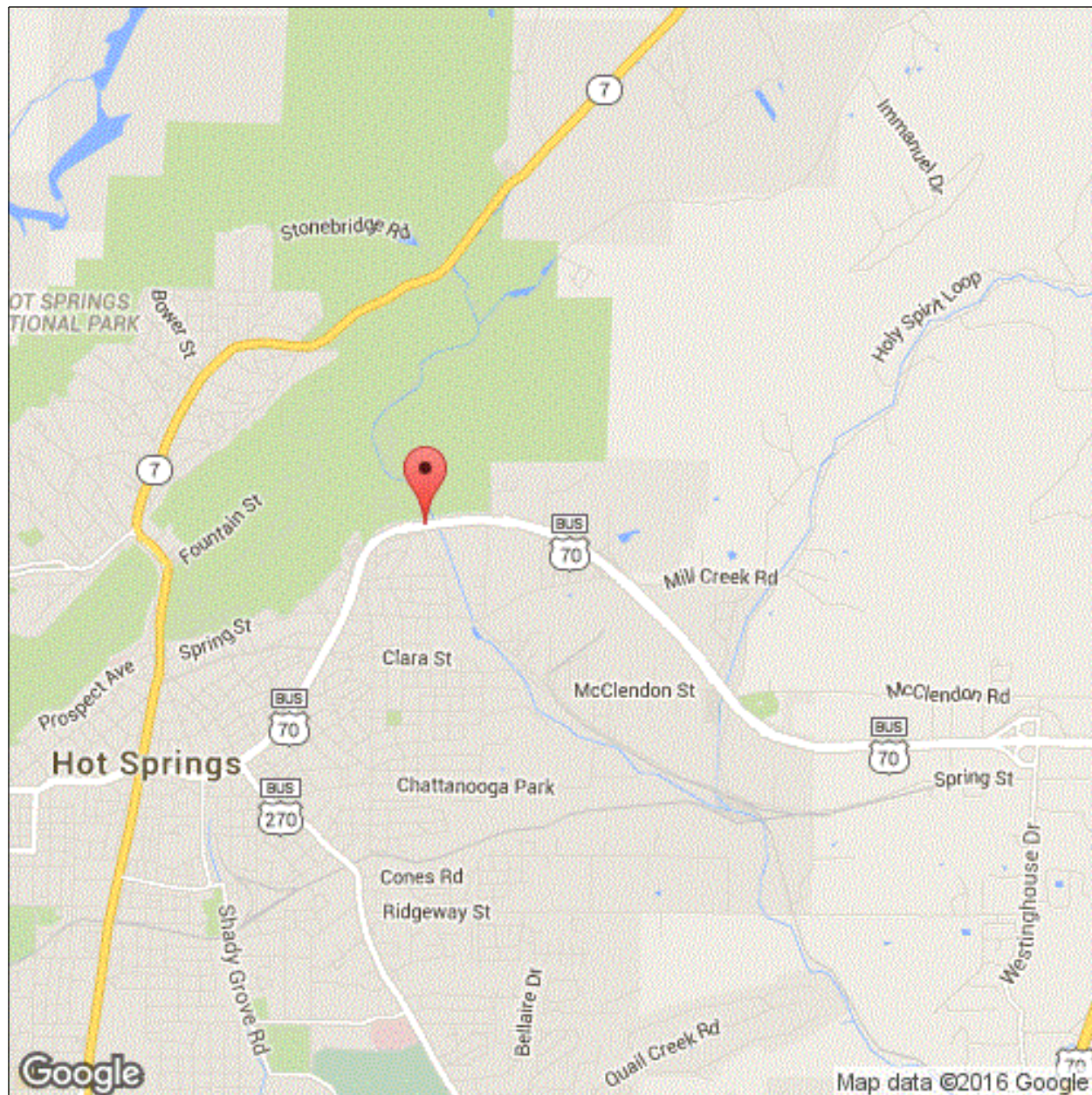
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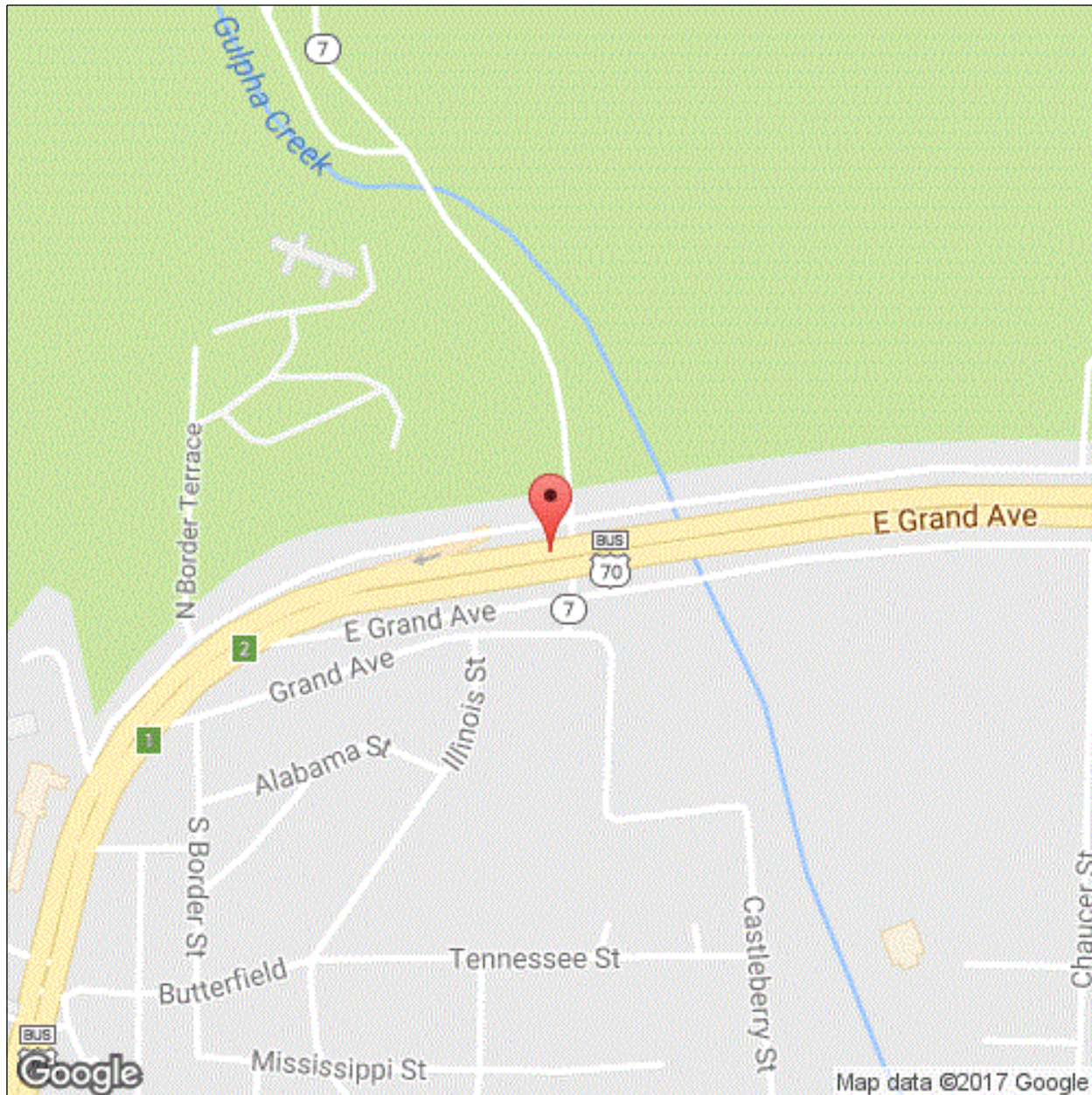
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Executive Summary

Under Clearance less than 15'

Job # 6616 drawing # 8978 for layout ,
Approach Looking East .

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/26/2016
(8) STRUCTURE NUMBER	03081	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 6 70 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 051	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	32540	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SH 7 Spur	C. OTHER SPECIAL	Y 24 05/01/2017
(7) FACILITY CARRIED	US 70- 9B WB 1.89		
(9) LOCATION	1.89 MI E SH 7 JCT		
(11) MILEPOINT 1.890	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	000007009B (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.51910	(17) LONGITUDE -93.03353		
(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: 3 - Steel		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	N (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 1958	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	4
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 02		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 7550	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2013		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 60	(49) STRUCTURE LENGTH (ft.) 132	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 2.8 RIGHT 2.8		(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	4
(52) DECK WIDTH, OUT-TO-OUT (ft.) 33.6		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 34.1		(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.) 30.8		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 14.75		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 9.2		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 13.8		SUFFICIENCY RATING	2 STATUS 75.1
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.) 161.0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	12
(95) ROADWAY IMPROVEMENT COST (\$)	190	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	568	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 3700	(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	N
		(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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National Bridge Inventory

UNDER RECORD 2

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	US 70- 9B WB 1.89
(3) COUNTY CODE	051	(8) STRUCTURE NUMBER	03081
(4) PLACE CODE	32540	(9) LOCATION	1.89 MI E SH 7 JCT
(5) INV. ROUTE (ON/UNDER)	2 3 4 7 0	(11) MILEPOINT	0.030 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	SH 7 Spur	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	34. (17) LONGITUDE -93.033555555556
			5188888888889

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 3 - Steel
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1958	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	6600		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	14.8	(48) LENGTH OF MAXIMUM SPAN	60	(49) STRUCTURE LENGTH	132
(47) TOTAL HORIZONTAL CLEARANCE	45.0				

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	16	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(101) PARALLEL STRUCTURE DESIGNATION	L	(110) DESIGNATED NATIONAL NETWORK	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.	4435	sq. ft.	3960	0	475	0
	Asphalt wearing surface is cracked. The soffit has numerous transverse cracks with efflorescence staining.						
1120 - Efflorescence/Rust Staining		475				475	
510 - Wearing Surfaces		3640	sq. ft.	3640			
107 - Steel Open Girder/Beam	1- Ben.	650	ft.	625	25	0	0
	The beam ends have some active corrosion and girders 1 and 5 on the outside have peeling paint.						
1000 - Corrosion		25			25		
515 - Steel Protective Coating		5850	sq. ft.	5270	580	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		580			580		
205 - Reinforced Concrete Column	1- Ben.	4	each	4			
215 - Reinforced Concrete Abutment	1- Ben.	72	ft.	72			
234 - Reinforced Concrete Pier Cap	1- Ben.	56	ft.	52	0	4	0
	Bent 2: right end of cap with spalling and cracking with efflorescence buildup. Bent 3: right end of cap is spalled.						
1080 - Delamination/Spall/Patched Area		4				4	
311 - Movable Bearing	1- Ben.	15	each	0	0	15	0
	All moveable bearings have pack rust and pitting to the masonry plate.						
1000 - Corrosion		15				15	
313 - Fixed Bearing	1- Ben.	15	each	12		3	
	Bent 1: bearing 1 and 4 with active rust.						
333 - Other Bridge Railing	1- Ben.	260	ft.	260			
	The railing has some corrosion.						

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Pictures

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Sketches

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Maintenance Needs

Date Reported: 5/15/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Left ends of cap at bent 2 & 3 have spalls and cracks with efflorescence.

Work Description:

Date Repairs Completed:

Maintenance Comments:
