

Bridge Inspection Report

05368
US 70 - 05- 10.58
over
MUD CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

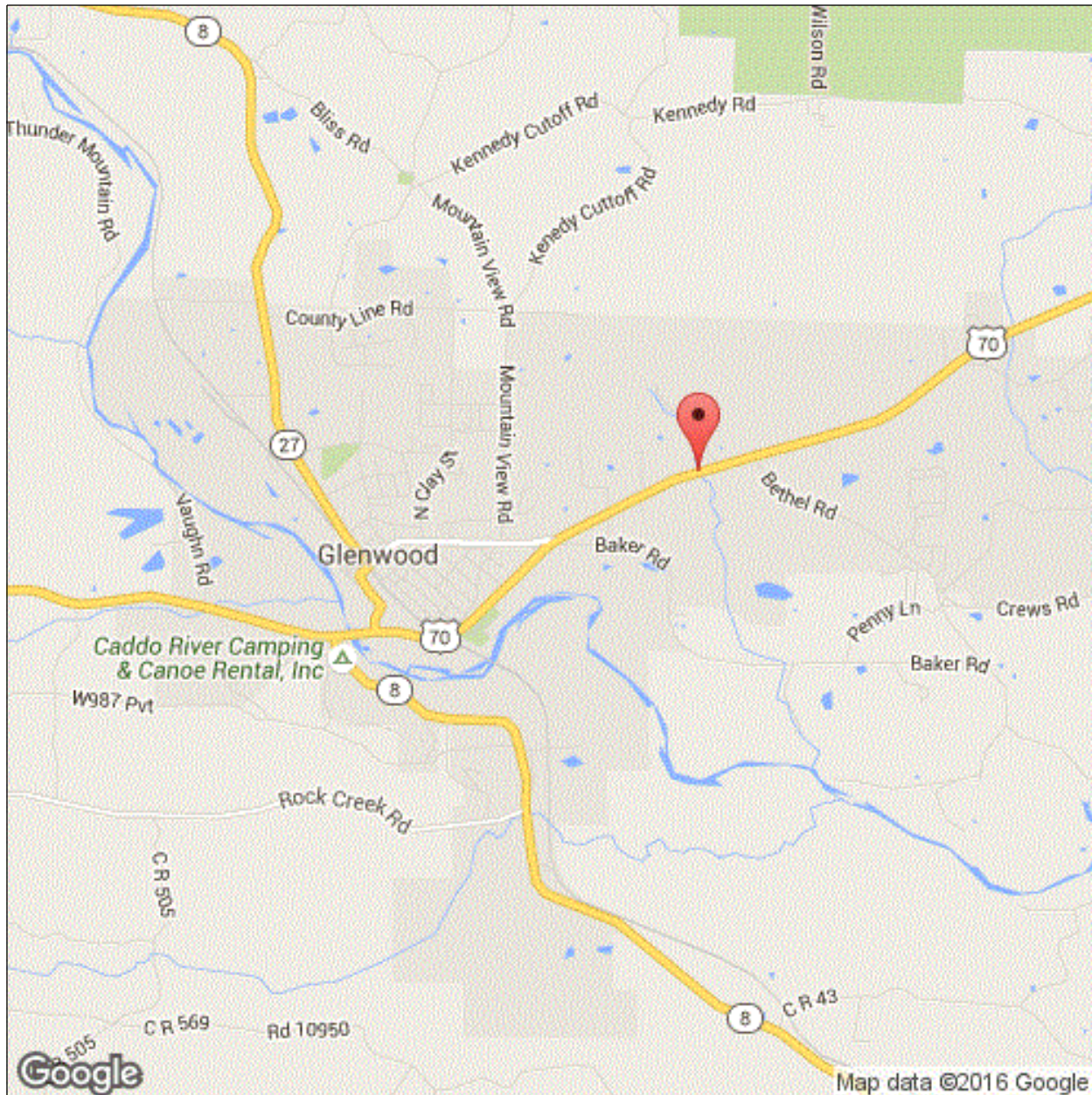
Structure Number: 05368

Inspection Date:

Facility Carried: US 70 - 05- 10.58

Bridge Inspection Report

Location Map



Latitude: 34.33204

Longitude: -93.52540

Inspector:

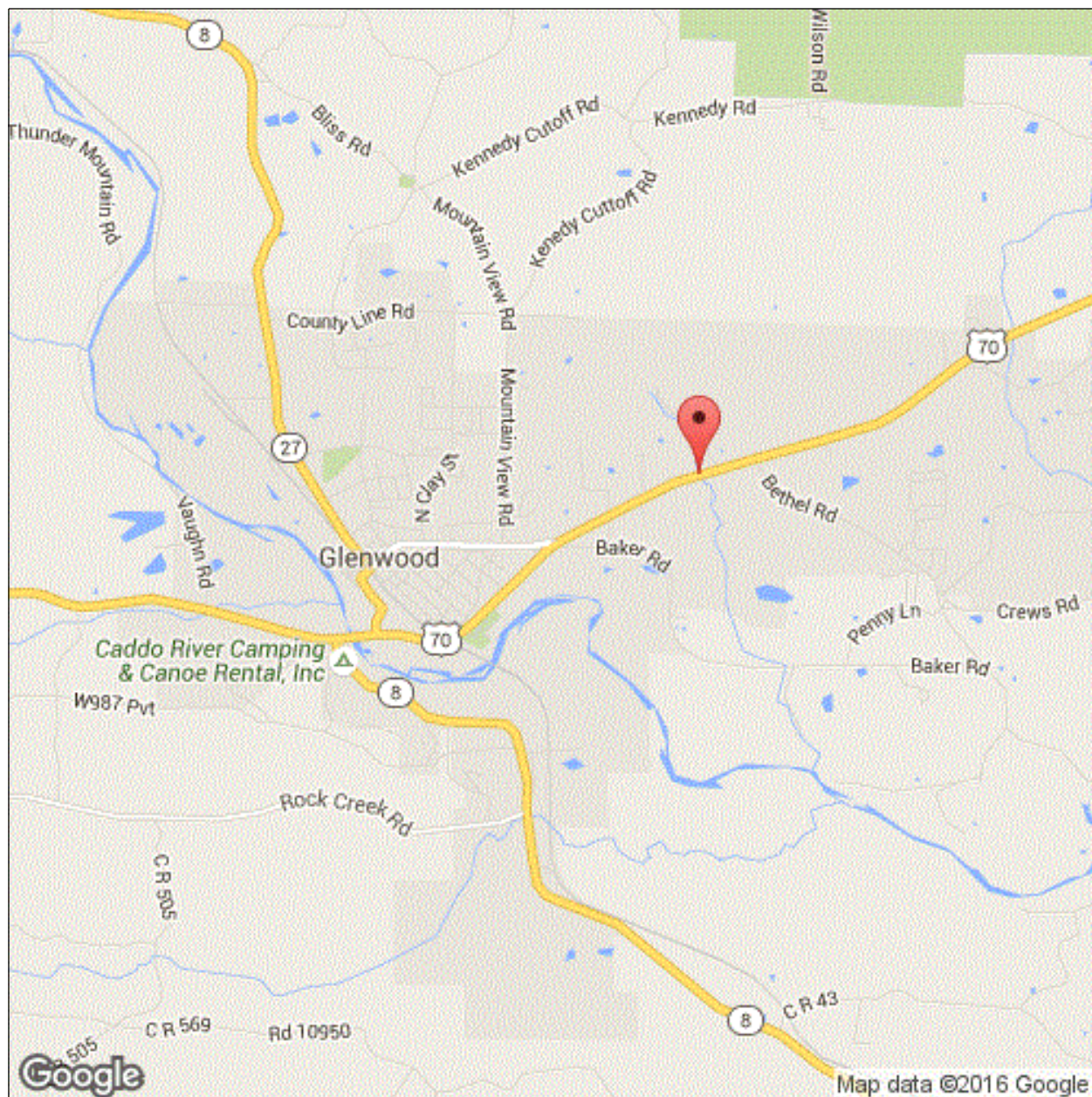
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Location Map



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Longitude: -93.52540

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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/03/2018
(8) STRUCTURE NUMBER	05368	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 70 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 109	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	MUD CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 70 - 05- 10.58		
(9) LOCATION	0.5 MI EAST OF GLENWOOD		
(11) MILEPOINT 10.580	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.33204	(17) LONGITUDE -93.52540		
(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 7	(60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(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 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1971	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(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	60.0
(29) AVERAGE DAILY TRAFFIC 4200	(19) BYPASS DETOUR LENGTH 15	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(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.) 40	(49) STRUCTURE LENGTH (ft.) 122	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.5 RIGHT 0.5		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	43.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	46.1	(71) WATERWAY ADEQUACY	7
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	44.0	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	8
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	95.3 STATUS 0
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	0000	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 6520	(115) YEAR OF FUTURE ADT 2028	(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.	5624	sq. ft.	523	600	4501	0
Spans 1 & 2 Abrasion/Wear..span 3 bay 6 spall bottom of deck rebar exposed CRACKING ONTOP OF DECK							
1090 - Exposed Rebar		1				1	
1130 - Cracking (RC and Other)		4500				4500	
1190 - Abrasion/Wear (PSC/RC)		600			600		
107 - Steel Open Girder/Beam	1- Ben.	840	ft.	840			
Cleaned and painted ends of steel beams 08/21/2012							
515 - Steel Protective Coating		8148	sq. ft.	8148			
205 - Reinforced Concrete Column	1- Ben.	4	each	4			
215 - Reinforced Concrete Abutment	1- Ben.	110	ft.	110			
234 - Reinforced Concrete Pier Cap	1- Ben.	172	ft.	125	47	0	0
SPALLS AND LARGE TRANSVERSE CRACKS ON FACE OF CAPS HAVE BEEN PATCHED IN 2012. 10 LF PATCH AREA BENT 1 CAP....BENT 2 PATCH AREA 30 BENT 3 RIGHT SIDE CAP CRACKING 7 LF							
1080 - Delamination/Spall/Patched Area		40			40		
1130 - Cracking (RC and Other)		7			7		
300 - Strip Seal Expansion Joint	1- Ben.	184	ft.	184			
311 - Movable Bearing	1- Ben.	21	each	21			
ALL BEARINGS NEED BLASTED AND PAINTED 7/03/2018.							
515 - Steel Protective Coating		73	sq. ft.	0	0	73	0
3440 - Effectiveness (Steel Protective Coatings)		73				73	
313 - Fixed Bearing	1- Ben.	21	each	21			
515 - Steel Protective Coating		73	sq. ft.	73			
321 - Reinforced Concrete Approach Slab	1- Ben.	2700	sq. ft.	2700			
Approach slab end bridge has 1/2" chip seals...Approach slab beginning of bridge asphalt estimated 1 1/2" thick							
330 - Metal Bridge Railing	1- Ben.	244	ft.	244			

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Pictures

PHOTO 2

Description

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Sketches

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Maintenance Needs

Date Reported: 07/03/2018

Priority: D - Routine

Work Code:

Deficiency Description:

ALL SPANS HAVE SEALABLE DECK CRACKS AND SMALL POP OUTS VARIOUS LOCATIONS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description SPAN 1

Stage: Open



PHOTO 2 Description SPAN 2

Inspector:

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Maintenance Needs

Stage: Open

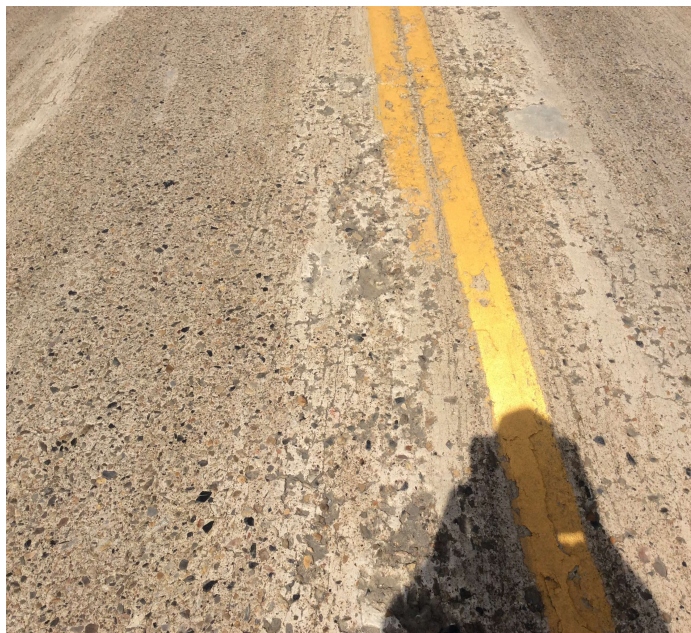


PHOTO 3 Description SPAN 2

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Maintenance Needs

Date Reported: 07/03/2018

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

BEGINNING AND END OF BRIDGE ASPHALT IS BREAKING APART

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description BEGINNING AND END OF BRIDGE
ASPHALT IS BREAKING APART

Inspector:

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Maintenance Needs

Date Reported: 07/03/2018

Priority: D - Routine

Work Code:

Deficiency Description:

BEARINGS ARE RUSTING ENTIRE BRIDGE NEED TO BE REPAIRED

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description BEARINGS ARE RUSTING ENTIRE
BRIDGE NEEDS TO BE REPAIRED