

Bridge Inspection Report

01974

US 412-08- LM 5.28

over

OVERCUP SLOUGH



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	10

Inspector:

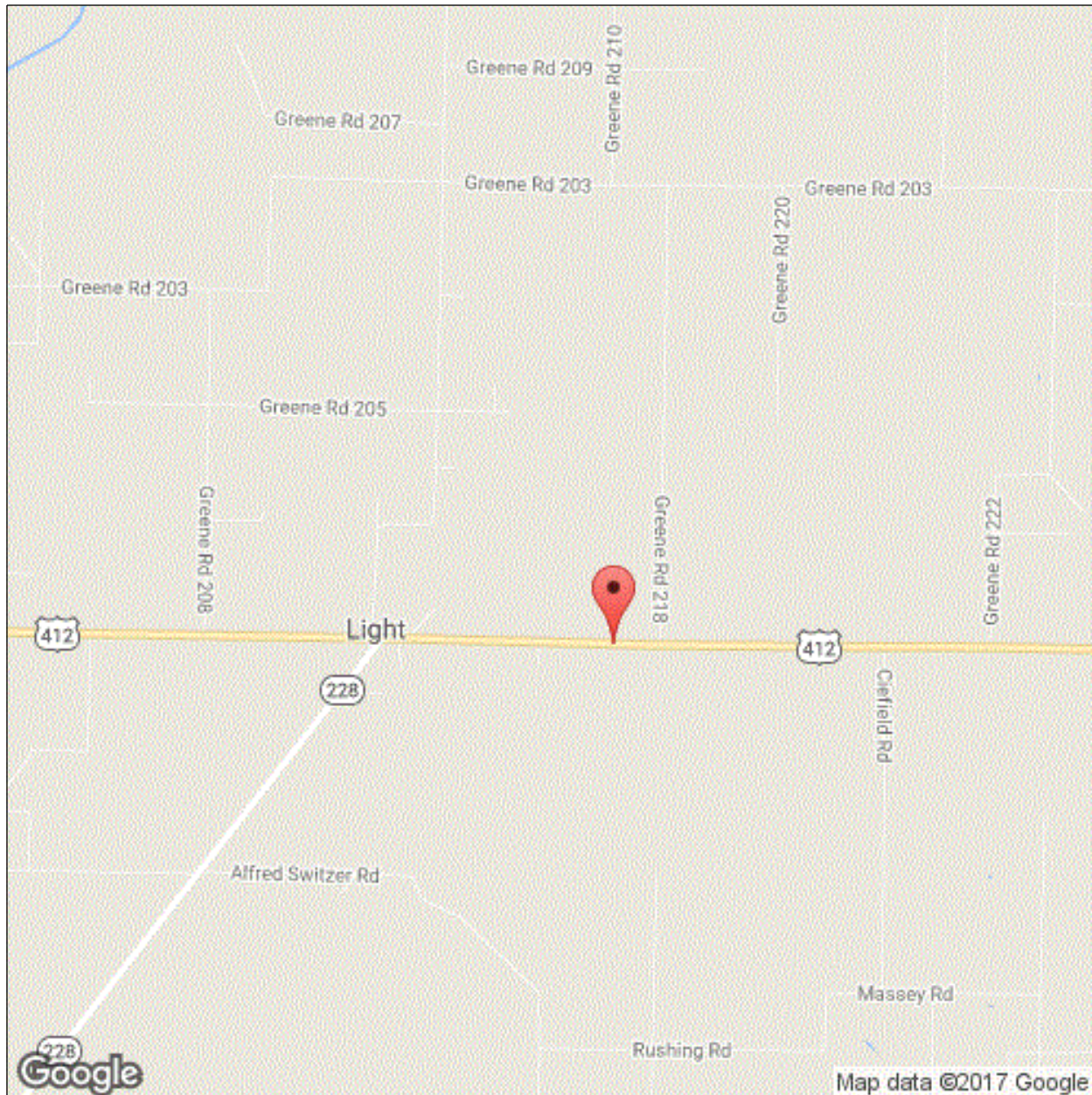
Structure Number: 01974

Inspection Date:

Facility Carried: US 412-08- LM 5.28

Bridge Inspection Report

Location Map



Latitude: 36.06910

Longitude: -90.72916

Inspector:

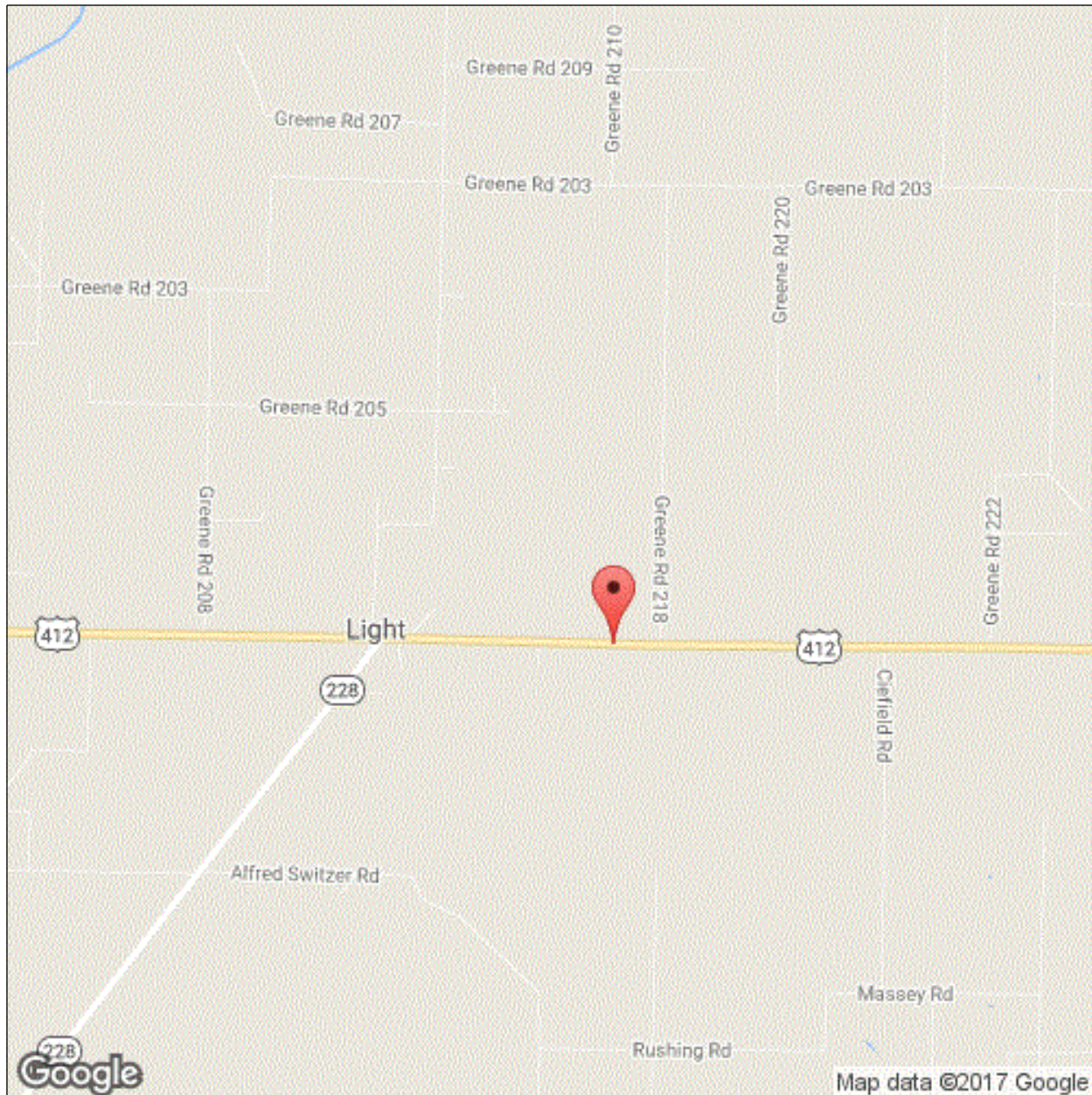
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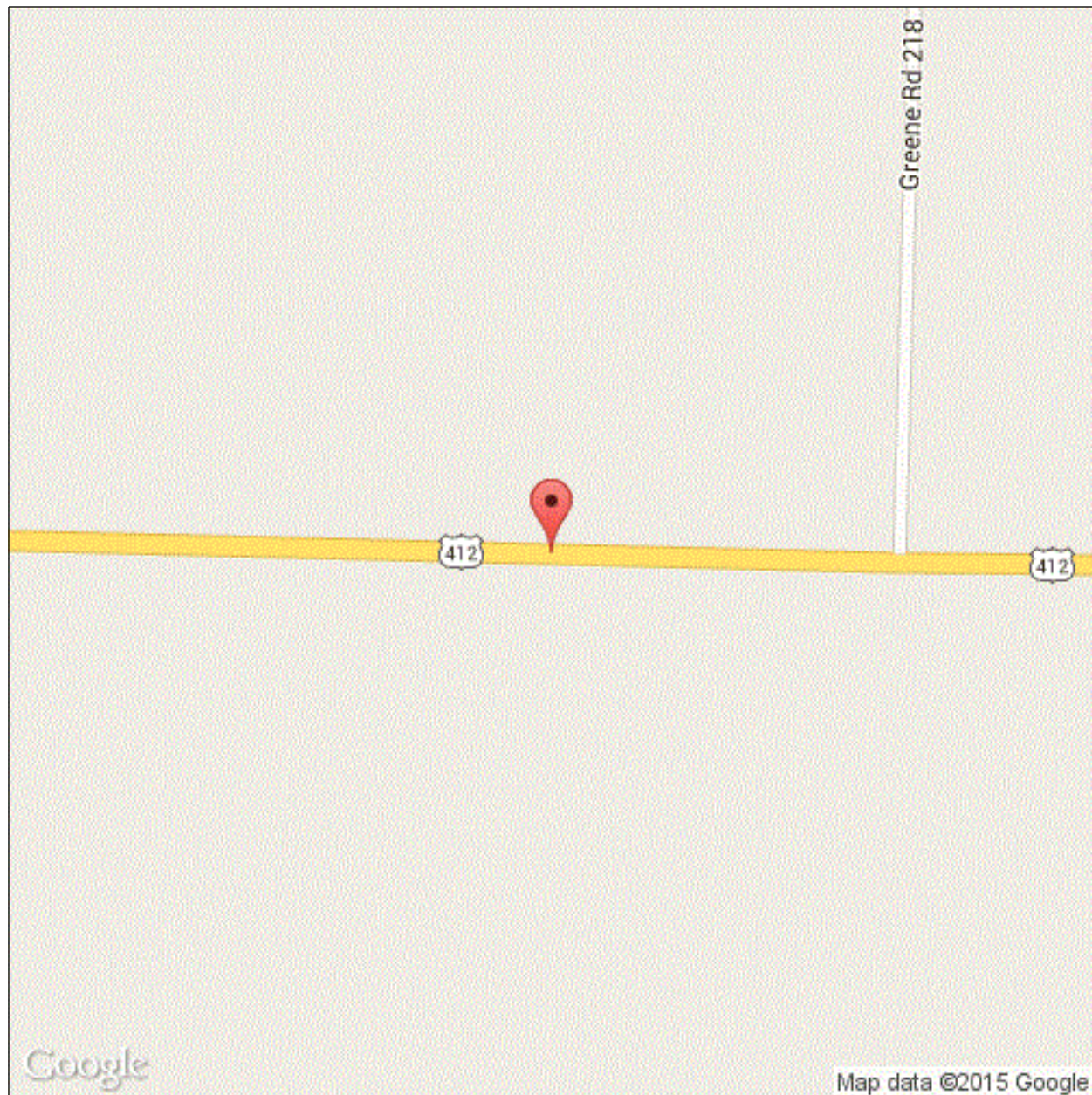
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Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION						INSPECTIONS		
(1) STATE CODE	056 - Arkansas					(90) INSPECTION DATE	08/08/2017	
(8) STRUCTURE NUMBER	01974					(91) DESIGNATED INSPECTION FREQUENCY	24	
(5) INV. ROUTE (ON/UNDER)	1	2	1	412	0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE	
(2) HIGHWAY AGENCY	10	(3) COUNTY CODE 055					A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000					B. UNDERWATER INSPECTION	N	
(6) FEATURES INTERSECTED	OVERCUP SLOUGH					C. OTHER SPECIAL	N	
(7) FACILITY CARRIED	US 412-08- LM 5.28					CONDITION		
(9) LOCATION	5.28 MI E OF CACHE RIVER					(58) DECK	7	
(11) MILEPOINT	5.280	(12) BASE HIGHWAY NETWORK 1					(59) SUPERSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000412080		(13B) SUBROUTE NUMBER		00	(60) SUBSTRUCTURE	7	
(16) LATITUDE	36.06910	(17) LONGITUDE -90.72916					(61) CHANNEL & CHANNEL PROTECTION	7
(98A) BORDER BRIDGE CODE						(62) CULVERT	N	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT					LOAD RATING AND POSTING		
STRUCTURE TYPE AND MATERIAL								
(43) STRUCTURE TYPE, MAIN								
A) KIND OF MATERIAL/DESIGN: 1 - Concrete								
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam								
(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	2	(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								
(27) YEAR BUILT	1938	(106) YEAR RECONSTRUCTED					0000	
(42) TYPE OF SERVICE	ON 1	UNDER 5						
(28) LANES	ON 02	UNDER 00						
(29) AVERAGE DAILY TRAFFIC	4200	(19) BYPASS DETOUR LENGTH					5	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014							
(109) AVERAGE DAILY TRUCK TRAFFIC	22							
GEOMETRIC DATA								
(48) LENGTH OF MAX SPAN (ft.)	30	(49) STRUCTURE LENGTH (ft.)					61.5	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.6	RIGHT 0.6						
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27							
(52) DECK WIDTH, OUT-TO-OUT (ft.)	29							
(32) APPROACH ROADWAY WIDTH (ft.)	44.0							
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)					0	
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)					99.99	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	26.9							
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99							
(54) VERTICAL UNDER CLEARANCE (ft.)	N					0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N					99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0							
PROPOSED IMPROVEMENTS								
(75A) TYPE OF WORK PROPOSED	31	(75B) WORK DONE BY					1	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	87.0							
(94) BRIDGE IMPROVEMENT COST (\$)	0							
(95) ROADWAY IMPROVEMENT COST (\$)	176							
(96) TOTAL PROJECT COST	362							
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003							
(114) FUTURE ADT	4600	(115) YEAR OF FUTURE ADT					2033	
NAVIGATION DATA								
(38) NAVIGATION CONTROL	0							
(111) PIER OR ABUTMENT PROTECTION	5							
(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
16 - Reinforced Concrete Top Flange	1- Ben.	1783	sq. ft.	1715	68	0	0
1120 - Efflorescence/Rust Staining		68			68		
510 - Wearing Surfaces		1661	sq. ft.	306	125	1230	0
3220 - Crack (Wearing Surface)		1355			125	1230	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	308	ft.	290	18	0	0
1120 - Efflorescence/Rust Staining		3			3		
1130 - Cracking (RC and Other)		15			15		
215 - Reinforced Concrete Abutment	1- Ben.	72	ft.	42	0	30	0
6000 - Scour		30				30	
227 - Reinforced Concrete Pile	1- Ben.	5	each	5	0		
234 - Reinforced Concrete Pier Cap	1- Ben.	27	ft.	27	0		
311 - Movable Bearing	1- Ben.	10	each	0	0	10	0
1000 - Corrosion		10				10	
313 - Fixed Bearing	1- Ben.	10	each	0	0	10	0
1000 - Corrosion		10				10	
333 - Other Bridge Railing	1- Ben.	123	ft.	123			

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Pictures

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Majority of Bearings have pack rust.

Majority of Anchor Bolt Nuts are rusted with section loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/20/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Log Mile Posting

is incorrect, correct LM= 5.28

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Top of Deck Asphalt Overlay

has moderate size and density cracks, mainly over joints.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 8/20/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Spans 1&2 Girder 1 over Bent 2 is moving under traffic.

Span 1 Girder 1 over Bent 2 has a 1/2 gap, see 2017 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

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Maintenance Needs

Date Reported: 8/20/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Some erosion near Abutments Bents 1&3, with the Abutments at Pile 3 beginning to undermine up to 2ft., see 2017 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description