

Bridge Inspection Report

A6042
I-555-02SB-LM19.13
over
CR 269-C



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

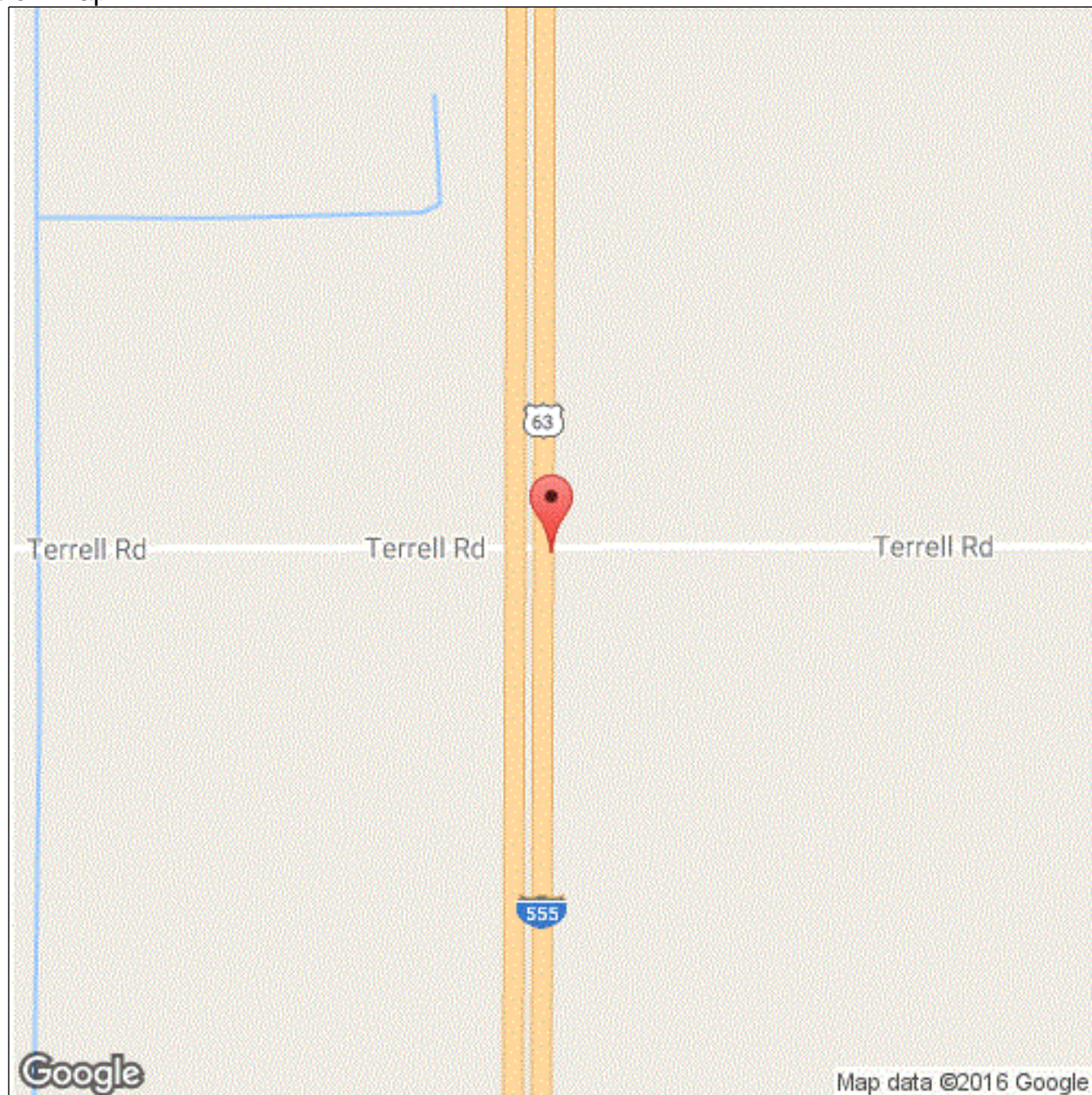
Inspection Date:

Structure Number: A6042

Facility Carried: I-555-02SB-
LM19.13

Bridge Inspection Report

Location Map



Latitude: 35.56465

Longitude: -90.49694

Inspector:

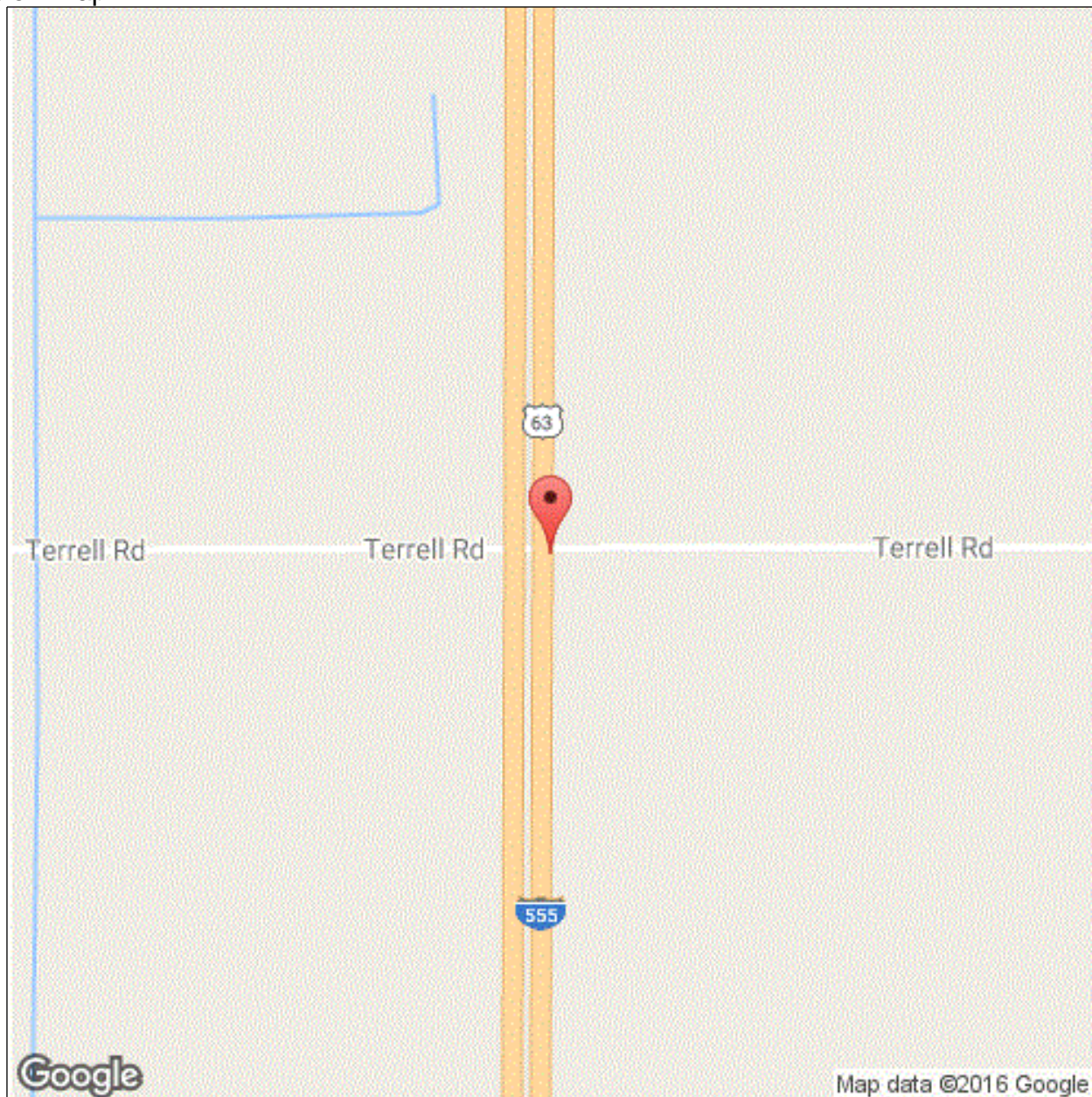
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Bridge Inspection Report

Location Map



Latitude: 35.56465

Longitude: -90.49694

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Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: A6042

Inspection Date:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	07/26/2016		
(8) STRUCTURE NUMBER	A6042			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	1	1	555	3	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10	(3) COUNTY CODE	111				
(4) PLACE CODE	00000						
(6) FEATURES INTERSECTED	CR 269-C						
(7) FACILITY CARRIED	I-555-02SB-LM19.13						
(9) LOCATION	N JCT HWY 14 & PAYNEWAY						
(11) MILEPOINT	19.13	(12) BASE HIGHWAY NETWORK	1				
(13A) LRS INVENTORY ROUTE	0000063080		(13B) SUBROUTE NUMBER	00			
(16) LATITUDE	35.56465	(17) LONGITUDE	-90.49694				
(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:	4 - Steel continuous			(59) SUPERSTRUCTURE	7	(60) SUBSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(61) CHANNEL & CHANNEL PROTECTION	N	(62) CULVERT	N
(44) STRUCTURE TYPE, APPROACH SPANS				LOAD RATING AND POSTING			
A) KIND OF MATERIAL/DESIGN:	0 - Other			(31) DESIGN LOAD	6		
B) TYPE OF DESIGN/CONSTR:	00 - Other			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
(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				APPRAISAL			
(27) YEAR BUILT	1984	(106) YEAR RECONSTRUCTED	0000				
(42) TYPE OF SERVICE	ON 1	UNDER 1					
(28) LANES	ON 02	UNDER 02					
(29) AVERAGE DAILY TRAFFIC	12907	(19) BYPASS DETOUR LENGTH	1				
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013						
(109) AVERAGE DAILY TRUCK TRAFFIC	1						
GEOMETRIC DATA				CLASSIFICATION			
(48) LENGTH OF MAX SPAN (ft.)	59	(49) STRUCTURE LENGTH (ft.)	137				
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT 0					
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0						
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8						
(32) APPROACH ROADWAY WIDTH (ft.)	40.0						
(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.)	41.0						
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99						
(54) VERTICAL UNDER CLEARANCE (ft.)	H	15.87					
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H	18					
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0						
PROPOSED IMPROVEMENTS				NAVIGATION DATA			
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(38) NAVIGATION CONTROL	N		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0			(111) PIER OR ABUTMENT PROTECTION	5		
(94) BRIDGE IMPROVEMENT COST (\$)	0			(39) NAV VERT CLEARANCE (ft.)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0			(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0		
(96) TOTAL PROJECT COST	0			(40) NAV HORIZONTAL CLEARANCE (ft.)	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE							
(114) FUTURE ADT	6830	(115) YEAR OF FUTURE ADT	2028				

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National Bridge Inventory

UNDER RECORD 2

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555-02SB-LM19.13
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	A6042
(4) PLACE CODE	00000	(9) LOCATION	N JCT HWY 14 & PAYNEWAY
(5) INV. ROUTE (ON/UNDER)	2 4 1 269 0	(11) MILEPOINT	1.800 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	CR 269-C	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.56487 (17) LONGITUDE -90.49667

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
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	1986
(27) YEAR BUILT	1984	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	10		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	15.9	(48) LENGTH OF MAXIMUM SPAN	59 (49) STRUCTURE LENGTH	137
(47) TOTAL HORIZONTAL CLEARANCE	56.5			

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(101) PARALLEL STRUCTURE DESIGNATION	R	(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.	5868	sq. ft.	4859	1009	0	0
1120 - Efflorescence/Rust Staining		170			170		
1130 - Cracking (RC and Other)		839			839		
107 - Steel Open Girder/Beam	1- Ben.	810	ft.	810			
515 - Steel Protective Coating		7410	sq. ft.	6669	741	0	0
3440 - Effectiveness (Steel Protective Coatings)		741			741		
215 - Reinforced Concrete Abutment	1- Ben.	122	ft.	122			
227 - Reinforced Concrete Pile	1- Ben.	4	each	4			
234 - Reinforced Concrete Pier Cap	1- Ben.	79	ft.	79			
302 - Compression Joint Seal	1- Ben.	80	ft.	44	0	0	36
2310 - Leakage		36					36
310 - Elastomeric Bearing	1- Ben.	12	each	12			
311 - Movable Bearing	1- Ben.	12	each	0	12	0	0
1000 - Corrosion		12			12		
331 - Reinforced Concrete Bridge Railing	1- Ben.	274	ft.	274			

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Pictures

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Sketches

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 1 Compression Seal
36 ft. has fallen out.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Top of Deck Joints
has several areas of poured joint material separated and/or missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

All Girders
are rusted with some minor pitting.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/9/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

All bearings Bents 1 & 4
are rusted with pitting and/or initial section loss,

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/6/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 4 Backwall Top of Deck
has a 24ft. x 1ft. spalled area up to 3 1/2in. deep with no rebar exposed, see 2014 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 8/6/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 Girder 6 Splice 1
has pack rust beginning to form on splice plates, see 2014 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 8/6/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 1 Cap
has dirt and debris on cap.

Work Description:

Date Repairs Completed:

Maintenance Comments:
