

Bridge Inspection Report

B6042
I-555-02NB-LM19.13
over
CR 269-C



Inspection Date:

Inspected By:

Inspection Type(s):

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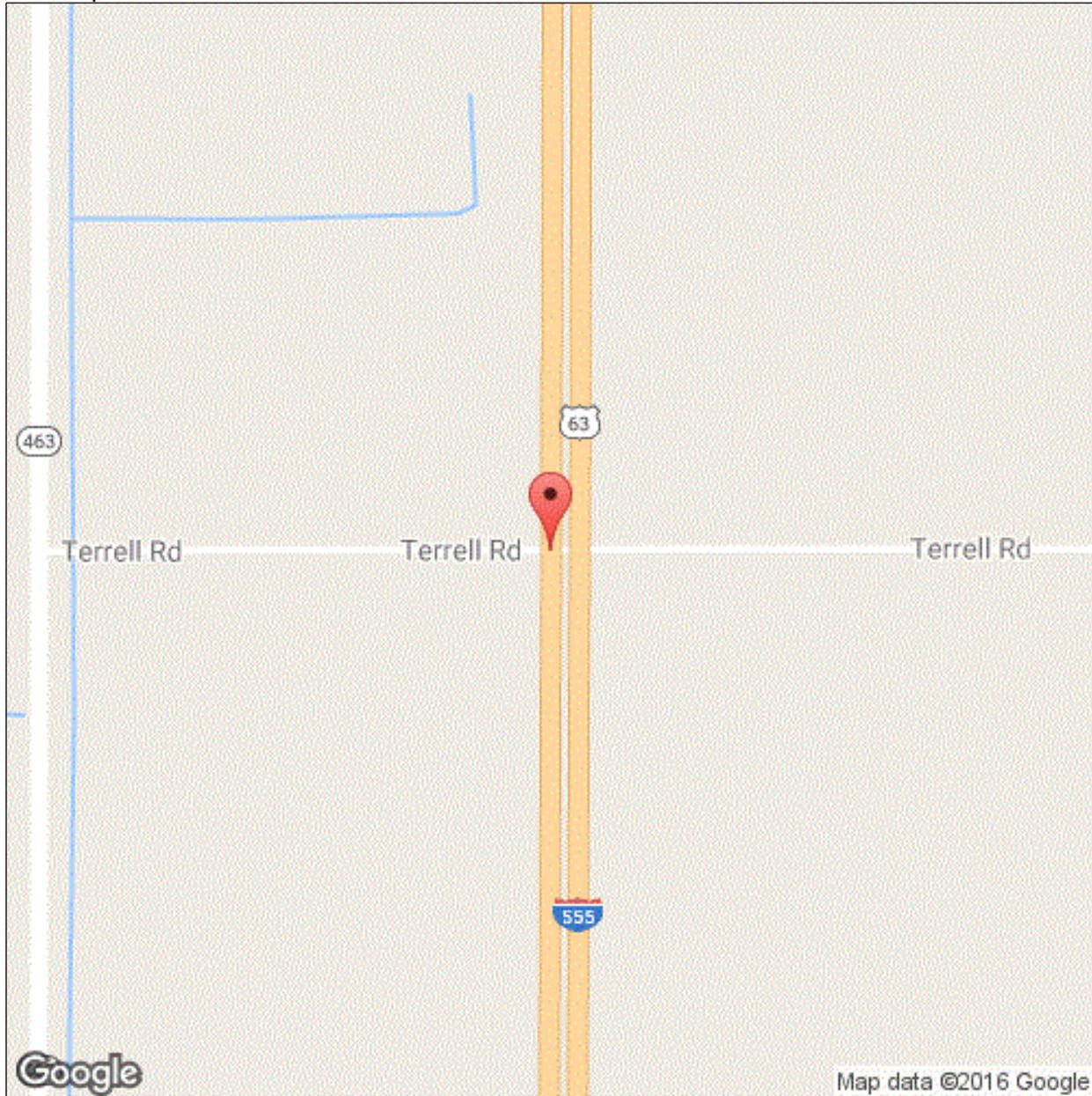
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Inspector:
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Bridge Inspection Report

Location Map



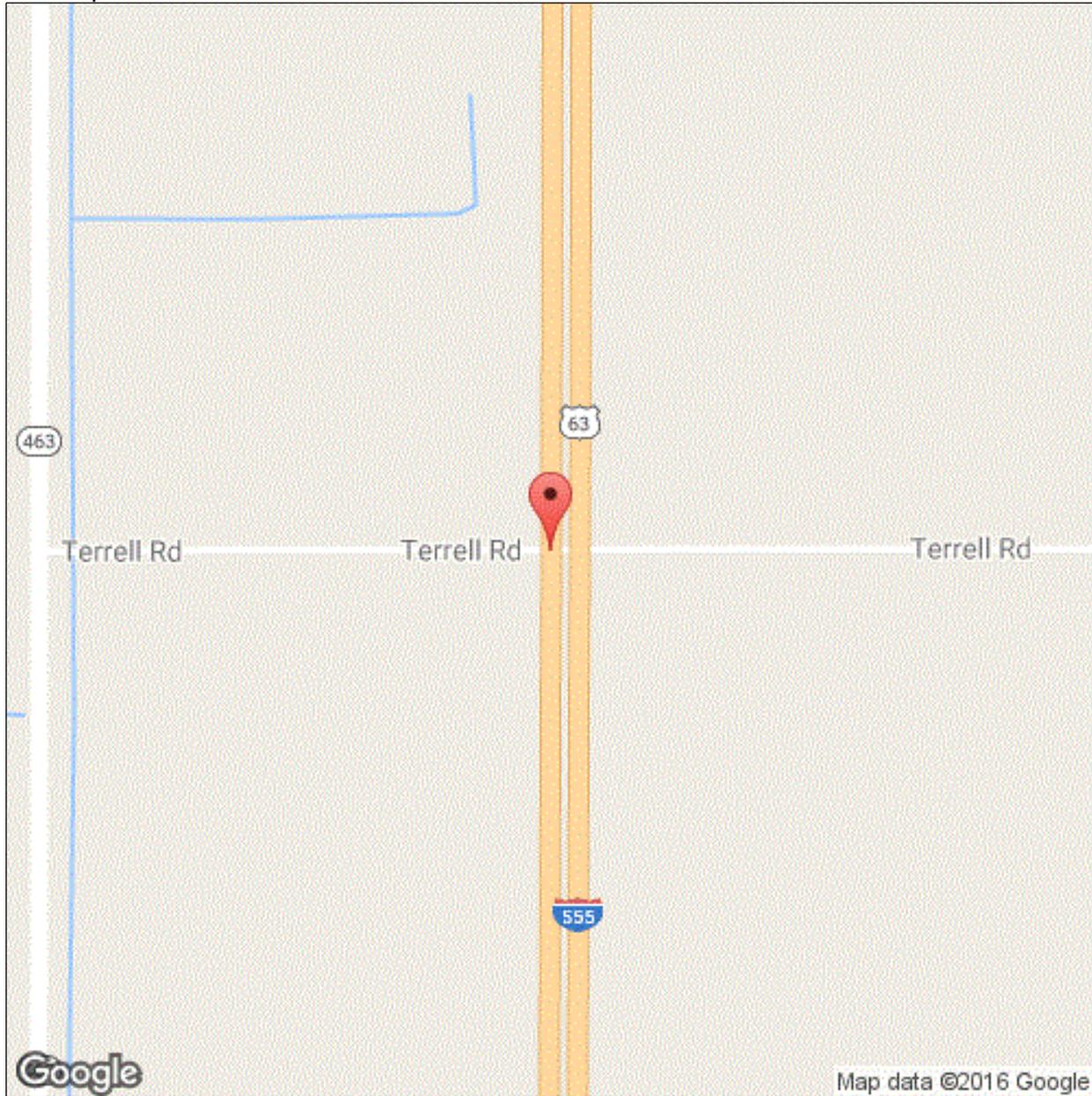
Latitude: 35.56465
Longitude: -90.49666

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Location Map



Latitude: 35.56465
Longitude: -90.49666

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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	07/26/2016			
(8) STRUCTURE NUMBER	B6042			(91) DESIGNATED INSPECTION FREQUENCY	24			
(5) INV. ROUTE (ON/UNDER)	1	1	1	555	1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE	
(2) HIGHWAY AGENCY	10	(3) COUNTY CODE	111		A. FRACTURE CRITICAL DETAIL	N		
(4) PLACE CODE	00000			B. UNDERWATER INSPECTION	N			
(6) FEATURES INTERSECTED	CR 269-C			C. OTHER SPECIAL	N			
(7) FACILITY CARRIED	I-555-02NB-LM19.13			CONDITION				
(9) LOCATION	N JCT HWY 63&PAYNEWAY			(58) DECK	7			
(11) MILEPOINT 19.13	(12) BASE HIGHWAY NETWORK	1		(59) SUPERSTRUCTURE	7	(60) SUBSTRUCTURE	8	
(13A) LRS INVENTORY ROUTE	0000063080	(13B) SUBROUTE NUMBER	00		(61) CHANNEL & CHANNEL PROTECTION	N	(62) CULVERT	N
(16) LATITUDE	35.56465	(17) LONGITUDE	-90.49666		LOAD RATING AND POSTING			
(98A) BORDER BRIDGE CODE				(31) DESIGN LOAD	6			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(63) METHOD USED TO DETERMINE OPERATING RATING	1			
STRUCTURE TYPE AND MATERIAL				(64) OPERATING RATING	60.0			
(43) STRUCTURE TYPE, MAIN				(65) METHOD USED TO DETERMINE INVENTORY RATING	1			
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous			(66) INVENTORY RATING	36.0			
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(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	7			
(45) NUMBER OF SPANS IN MAIN	3	(46) NUMBER OF APPROACH	0		(68) DECK GEOMETRY	7		
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7		
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0		(71) WATERWAY ADEQUACY	N		
AGE OF SERVICE				(72) APPROACH ROADWAY ALIGNMENT	8			
(27) YEAR BUILT	1984	(106) YEAR RECONSTRUCTED	0000		(36) TRAFFIC SAFETY FEATURE			
(42) TYPE OF SERVICE	ON 1	UNDER	1		36A) BRIDGE RAILINGS:	1		
(28) LANES	ON 02	UNDER	02		36B) TRANSITIONS:	1		
(29) AVERAGE DAILY TRAFFIC	13000	(19) BYPASS DETOUR LENGTH	1		36C) APPROACH GUARDRAIL:	1		
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013			36D) APPROACH GUARDRAIL ENDS:	1			
(109) AVERAGE DAILY TRUCK TRAFFIC	1			(113) SCOUR CRITICAL BRIDGES	N			
GEOMETRIC DATA				SUFFICIENCY RATING	0	STATUS	96.8	
(48) LENGTH OF MAX SPAN (ft.)	59	(49) STRUCTURE LENGTH (ft.)	137		CLASSIFICATION			
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT	0		(112) NBIS BRIDGE LENGTH	Y		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0			(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1			
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01			
(32) APPROACH ROADWAY WIDTH (ft.)	40.0			(100) STRAHNET HIGHWAY DESIGNATION	1			
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	0		(101) PARALLEL STRUCTURE DESIGNATION	L		
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99		(102) DIRECTION OF TRAFFIC	1		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.0			(103) TEMP STRUCTURE				
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			(105) FEDERAL LANDS HIGHWAYS	0			
(54) VERTICAL UNDER CLEARANCE (ft.)		H	15.87	(110) DESIGNATED NATIONAL NETWORK	1			
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)		H	18.3	(20) TOLL	3			
(56) MIN LATERAL UNDER CLEARANCE (ft.)	19.3			(21) MAINTENANCE RESPONSIBILITY	01			
PROPOSED IMPROVEMENTS				(22) OWNER	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	N			
(95) ROADWAY IMPROVEMENT COST (\$)	0			(111) PIER OR ABUTMENT PROTECTION	5			
(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	6830	(115) YEAR OF FUTURE ADT	2028		(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	I-555-02NB-LM19.13
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	B6042
(4) PLACE CODE	00000	(9) LOCATION	N JCT HWY 63&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	35.56484 (17) LONGITUDE -90.4969

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	57.5		

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	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.	5868	sq. ft.	4857	1011	0	0
1120 - Efflorescence/Rust Staining		171			171		
1130 - Cracking (RC and Other)		840			840		
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		
205 - Reinforced Concrete Column	1- Ben.	4	each	4			
215 - Reinforced Concrete Abutment	1- Ben.	122	ft.	122			
234 - Reinforced Concrete Pier Cap	1- Ben.	79	ft.	79			
302 - Compression Joint Seal	1- Ben.	80	ft.	40	0	0	40
2310 - Leakage		40					40
310 - Elastomeric Bearing	1- Ben.	12	each	12			
311 - Movable Bearing	1- Ben.	12	each	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: 8/6/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 1 Girder 1 over Bent 1
has 1 anchor bolt broke and/or sheared off.

Work Description:

Date Repairs Completed:

Maintenance Comments:

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

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

All steel girders
have rust with some minor pitting.

Work Description:

Date Repairs Completed:

Maintenance Comments:

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

Priority: D - Routine

Work Code:

Deficiency Description:

Bents 1&4 Bearings
are beginning to form pack rust between masonry plates and bearing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:
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Maintenance Needs

Date Reported: 8/6/2014 12:00:00 AM
Priority: G - General/ Preventive maintenance
Work Code:

Deficiency Description:
All bearings
have some rust with majority of bearings having some 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 1 Joint
has 40 ft. of compression seal falling out.
Work Description:

Date Repairs Completed:
Maintenance Comments:

Date Reported: 8/6/2014 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:
