

# Bridge Inspection Report

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



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

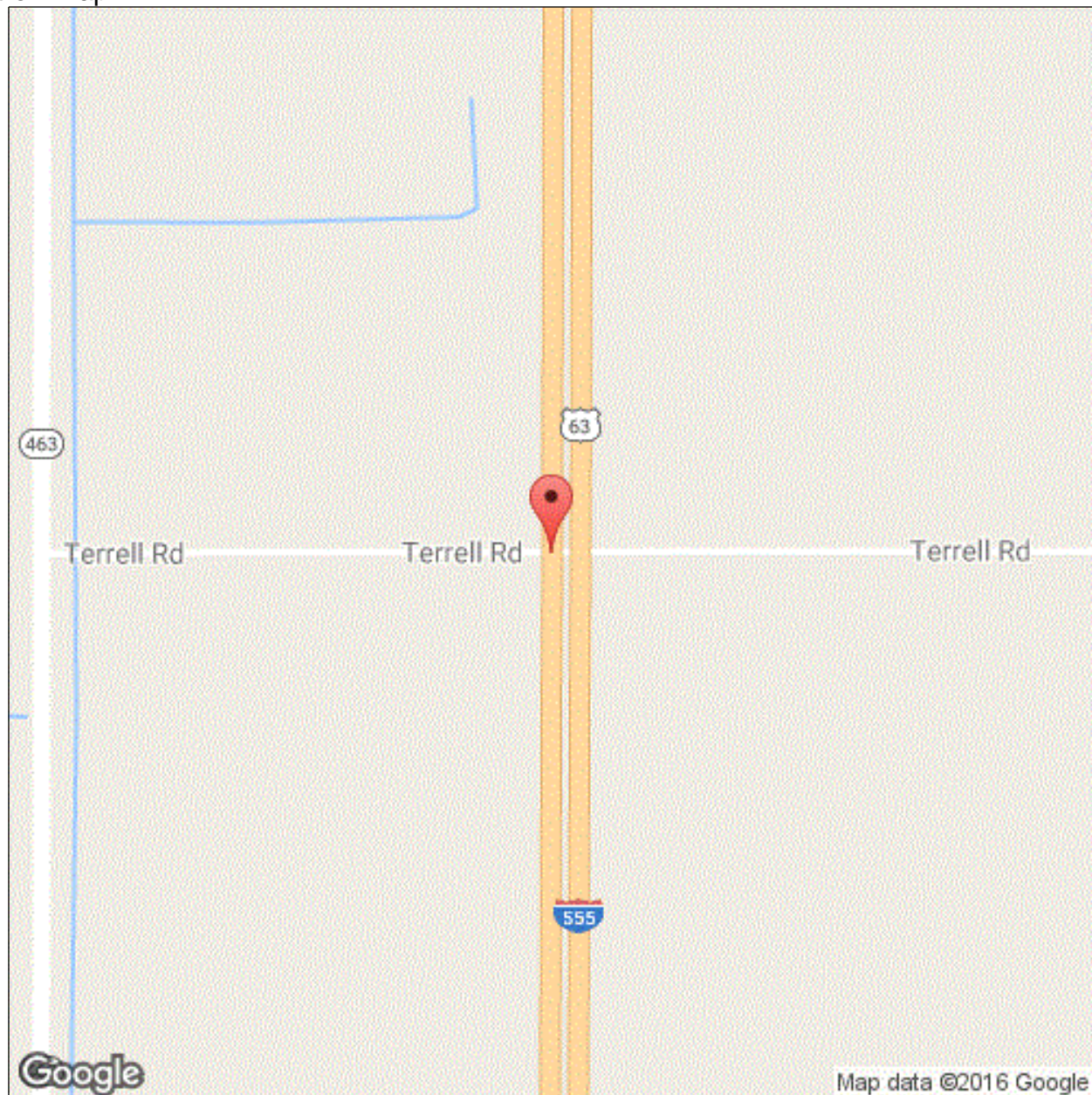
Inspection Date:

Structure Number: B6042

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

## Bridge Inspection Report

### Location Map



Latitude: 35.56465

Longitude: -90.49666



Inspector:

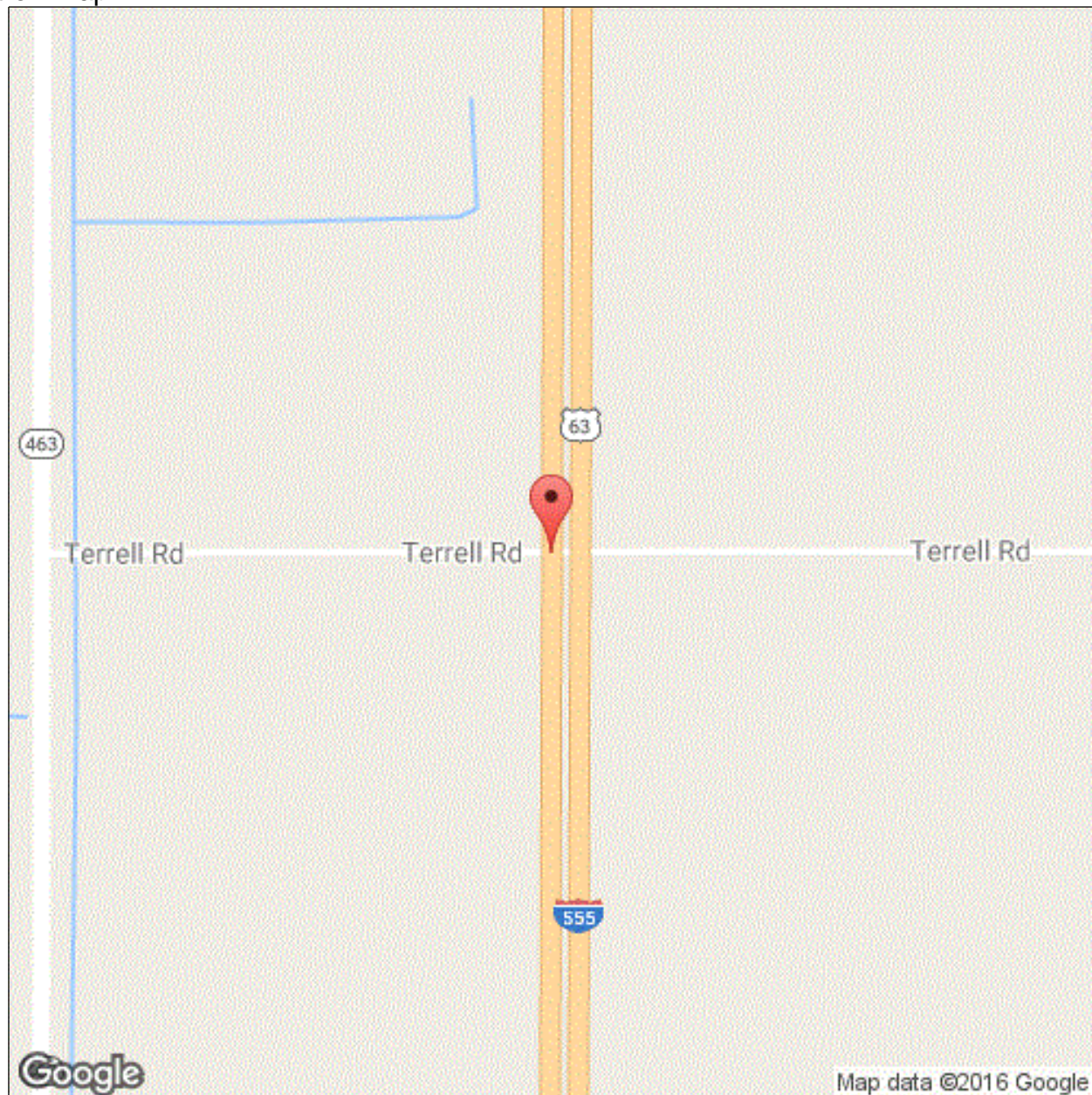
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## Bridge Inspection Report

### Location Map



Latitude: 35.56465

Longitude: -90.49666

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## Bridge Inspection Report

### Executive Summary

Inspector:

Structure Number: B6042

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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		
(9) LOCATION	N JCT HWY 63&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 -90.49666		
(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 8
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 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1984	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	6
(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 13000	(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.) 59	(49) STRUCTURE LENGTH (ft.) 137	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(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.) 41.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) H 15.87		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 18.3		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 19.3		SUFFICIENCY RATING 0	STATUS 96.8
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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	L
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 6830	(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	N
		(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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Bridge Inspection Report

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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## Bridge Inspection Report

Pictures

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## Bridge Inspection Report

Sketches

Inspector:

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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:

---

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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:

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