

# Bridge Inspection Report

**B6399**  
**I-555NB-02-LM28.46**  
**over**  
**SH 69**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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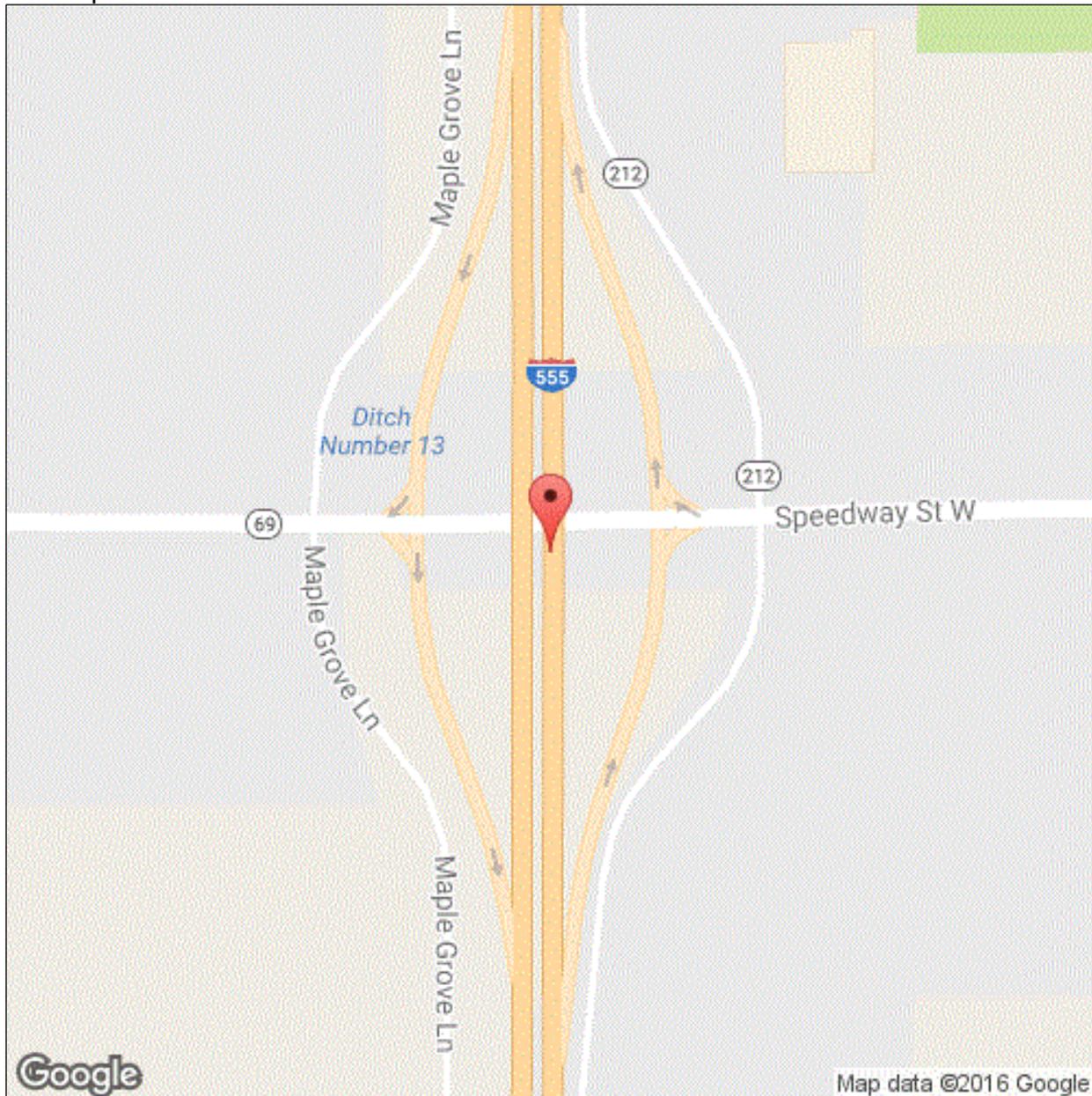
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Inspector:  
Inspection Date:

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LM28.46

### Bridge Inspection Report

### Location Map



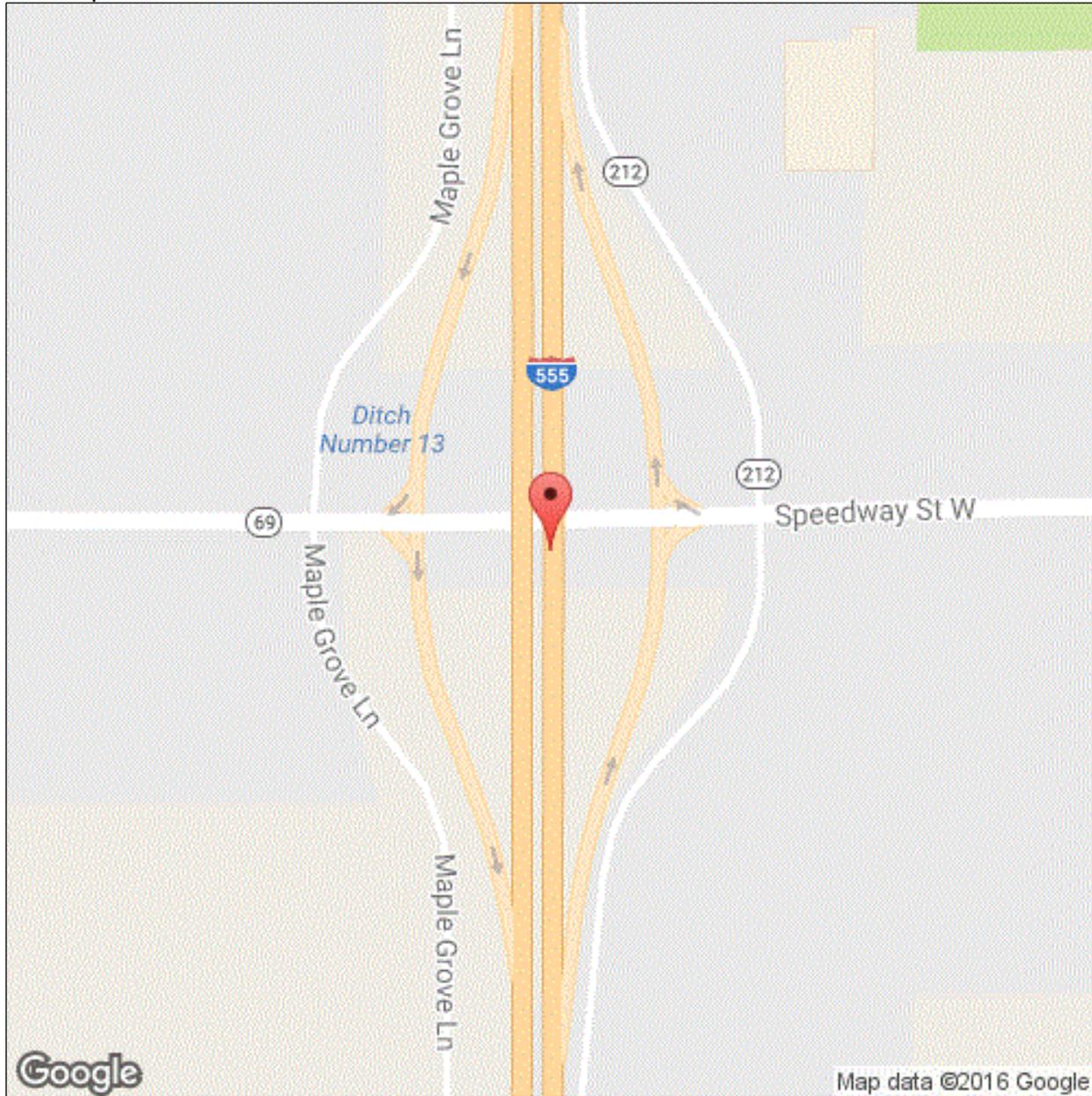
Latitude: 35.67801  
Longitude: -90.55262

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Bridge Inspection Report

Location Map



Latitude: 35.67801  
Longitude: -90.55262

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Bridge Inspection Report

Executive Summary

Inspector:  
 Inspection Date:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	11/03/2016		
(8) STRUCTURE NUMBER	B6399			(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	SH 69			C. OTHER SPECIAL	N		
(7) FACILITY CARRIED	I-555NB-02-LM28.46			CONDITION			
(9) LOCATION	1.63 MI W SH 463			(58) DECK	6		
(11) MILEPOINT	28.46	(12) BASE HIGHWAY NETWORK	0		(59) SUPERSTRUCTURE	8	(60) SUBSTRUCTURE
(13A) LRS INVENTORY ROUTE	0000000000		(13B) SUBROUTE NUMBER	00			
(16) LATITUDE	35.67801	(17) LONGITUDE	-90.55262				
(98A) BORDER BRIDGE CODE				LOAD RATING AND POSTING			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(31) DESIGN LOAD	5		
STRUCTURE TYPE AND MATERIAL				(63) METHOD USED TO DETERMINE OPERATING RATING	1		
(43) STRUCTURE TYPE, MAIN				(64) OPERATING RATING	42.0		
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous			(65) METHOD USED TO DETERMINE INVENTORY RATING	1		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder			(66) INVENTORY RATING	25.0		
(44) STRUCTURE TYPE, APPROACH SPANS				(70) BRIDGE POSTING	5		
A) KIND OF MATERIAL/DESIGN:	0 - Other			(41) STRUCTURE OPEN/POSTED/CLOSED	A		
B) TYPE OF DESIGN/CONSTR:	00 - Other			APPRAISAL			
(45) NUMBER OF SPANS IN MAIN	3	(46) NUMBER OF APPROACH	0				
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	0				
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0				
AGE OF SERVICE				(67) STRUCTURAL EVALUATION	5		
(27) YEAR BUILT	1993		(106) YEAR RECONSTRUCTED	0000			
(42) TYPE OF SERVICE	ON 1	UNDER 1					
(28) LANES	ON 02	UNDER 02					
(29) AVERAGE DAILY TRAFFIC	12000	(19) BYPASS DETOUR LENGTH	1				
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013			(72) APPROACH ROADWAY ALIGNMENT	8		
(109) AVERAGE DAILY TRUCK TRAFFIC	1			(36) TRAFFIC SAFETY FEATURE			
GEOMETRIC DATA				36A) BRIDGE RAILINGS:	1		
(48) LENGTH OF MAX SPAN (ft.)	90	(49) STRUCTURE LENGTH (ft.)	182				
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT 0					
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0			36B) TRANSITIONS:	1		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.8			36C) APPROACH GUARDRAIL:	1		
(32) APPROACH ROADWAY WIDTH (ft.)	40.0			36D) APPROACH GUARDRAIL ENDS:	1		
(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.)	41.3			(113) SCOUR CRITICAL BRIDGES	N		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			SUFFICIENCY RATING	0	STATUS	85.9
(54) VERTICAL UNDER CLEARANCE (ft.)	H	16.89					
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H	24.1					
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0			CLASSIFICATION			
PROPOSED IMPROVEMENTS				(112) NBIS BRIDGE LENGTH	Y		
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11		
(94) BRIDGE IMPROVEMENT COST (\$)	0			(100) STRAHNET HIGHWAY DESIGNATION	1		
(95) ROADWAY IMPROVEMENT COST (\$)	0			(101) PARALLEL STRUCTURE DESIGNATION	L		
(96) TOTAL PROJECT COST	0			(102) DIRECTION OF TRAFFIC	1		
(97) YEAR OF IMPROVEMENT COST ESTIMATE				(103) TEMP STRUCTURE			
(114) FUTURE ADT	8071	(115) YEAR OF FUTURE ADT	2028				
				(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-555NB-02-LM28.46
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	B6399
(4) PLACE CODE	00000	(9) LOCATION	1.63 MI W SH 463
(5) INV. ROUTE (ON/UNDER)	2 3 1 69 0	(11) MILEPOINT	6.000 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	SH 69	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.6785 (17) LONGITUDE -90.5526666666667

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	2014
(27) YEAR BUILT	1993	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 02 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	7300		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	17.2	(48) LENGTH OF MAXIMUM SPAN	90 (49) STRUCTURE LENGTH 182
(47) TOTAL HORIZONTAL CLEARANCE	86.4		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	16	(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.	7834	sq. ft.	7161	83	590	0
1120 - Efflorescence/Rust Staining		83			83		
1130 - Cracking (RC and Other)		590				590	
107 - Steel Open Girder/Beam	1- Ben.	9407	ft.	9395	0	12	0
1000 - Corrosion		12				12	
515 - Steel Protective Coating		11238	sq. ft.	11072	0	83	83
3440 - Effectiveness (Steel Protective Coatings)		166				83	83
205 - Reinforced Concrete Column	1- Ben.	4	each	4			
215 - Reinforced Concrete Abutment	1- Ben.	130	ft.	130			
234 - Reinforced Concrete Pier Cap	1- Ben.	90	ft.	90			
302 - Compression Joint Seal	1- Ben.	80	ft.	0	80		
310 - Elastomeric Bearing	1- Ben.	12	each	12			
311 - Movable Bearing	1- Ben.	12	each	12			
321 - Reinforced Concrete Approach Slab	1- Ben.	1752	sq. ft.	1617	0	135	0
1130 - Cracking (RC and Other)		135				135	
331 - Reinforced Concrete Bridge Railing	1- Ben.	364	ft.	364			

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Pictures

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

**Maintenance Needs**

Date Reported: 2/1/2011 12:00:00 AM

Priority: C - Important

Work Code:

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**Deficiency Description:**

Slope erosion behind bent 1 abutment is undermining approach gutter and slope pavement at NE corner of bridge

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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Stage: Monitor



PHOTO 1 Description

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Bridge Inspection Report

**Maintenance Needs**

Date Reported: 2/1/2011 12:00:00 AM

Priority: C - Important

Work Code:

---

Deficiency Description:

Steel Girders

Paint is peeling at girder splice locations, and on ends of girders.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description

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**Maintenance Needs**

Date Reported: 2/1/2011 12:00:00 AM

Priority: C - Important

Work Code:

---

Deficiency Description:

Deck has several open unsealed cracks.

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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