

# Bridge Inspection Report

**A6399**  
**I-555SB-02-LM 28.4**  
**over**  
**SH 69**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

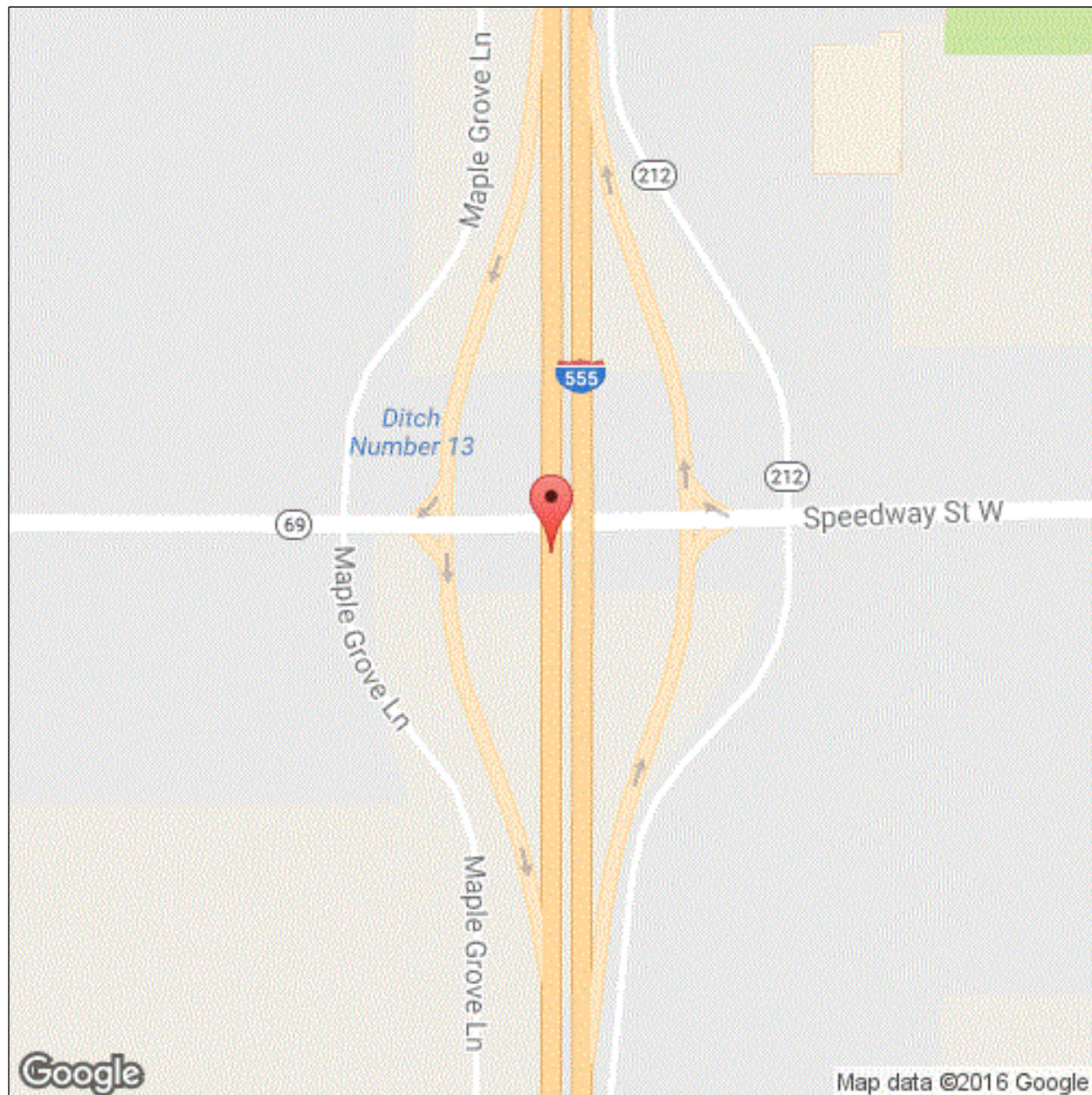
Structure Number: A6399

Inspection Date:

Facility Carried: I-555SB-02-LM 28.4

## Bridge Inspection Report

### Location Map



Latitude: 35.67801

Longitude: -90.55290



Inspector:

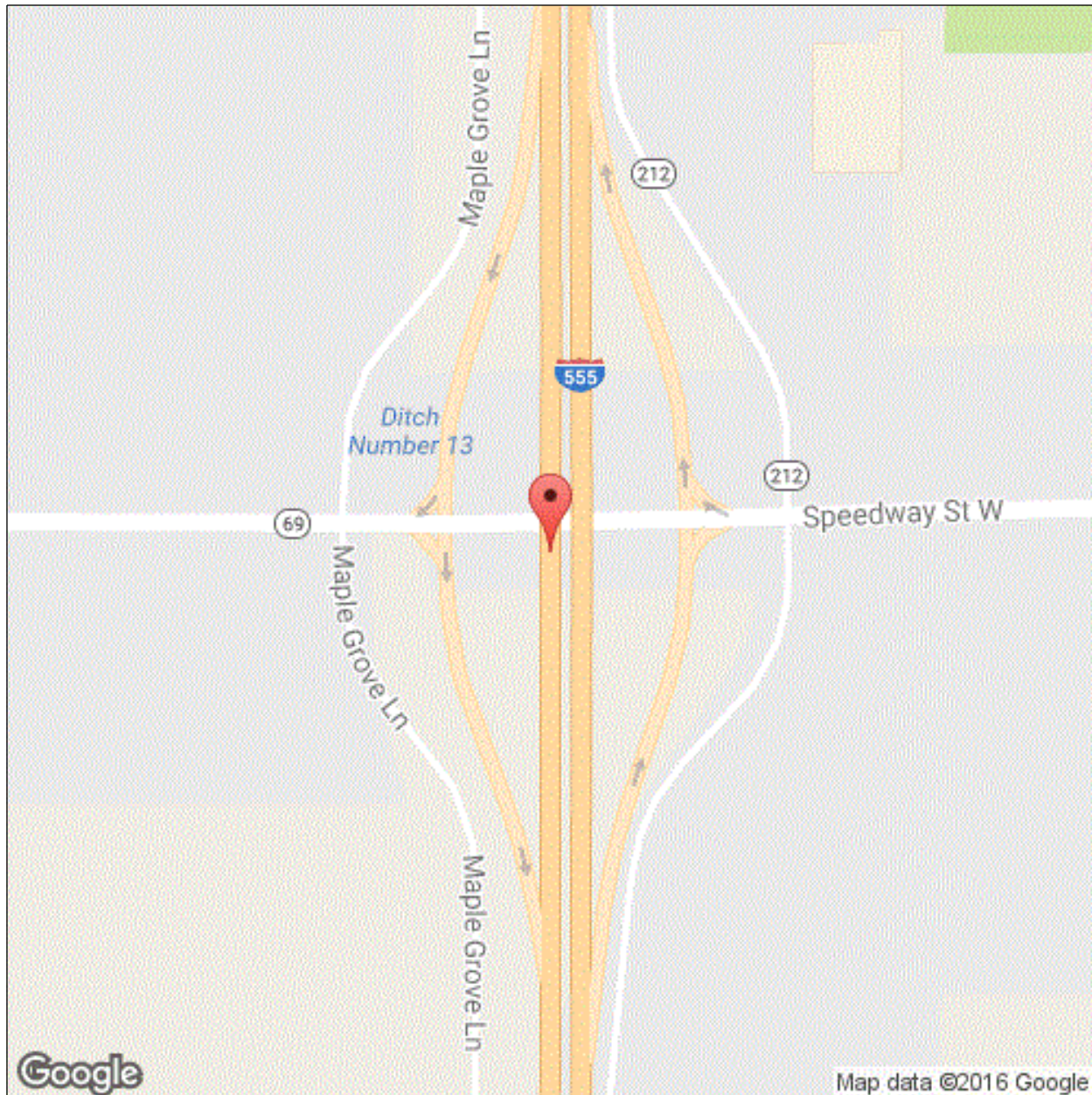
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## Bridge Inspection Report

### Location Map



Latitude: 35.67801

Longitude: -90.55290

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## Bridge Inspection Report

### Executive Summary

Inspector:

Structure Number: A6399

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	A6399			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	1	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-555SB-02-LM 28.4			CONDITION			
(9) LOCATION	1.65 MI W SH463			(58) DECK	6		
(11) MILEPOINT	28.46	(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	8	(60) SUBSTRUCTURE	9
(13A) LRS INVENTORY ROUTE	0000063080	(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	N	(62) CULVERT	N
(16) LATITUDE	35.67801	(17) LONGITUDE	-90.55290	LOAD RATING AND POSTING			
(98A) BORDER BRIDGE CODE				(31) DESIGN LOAD	5		
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
STRUCTURE TYPE AND MATERIAL				(64) OPERATING RATING	43		
(43) STRUCTURE TYPE, MAIN				(65) METHOD USED TO DETERMINE INVENTORY RATING	1		
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous			(66) INVENTORY RATING	26		
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	5		
(45) NUMBER OF SPANS IN MAIN	3	(46) NUMBER OF APPROACH	0	(68) DECK GEOMETRY	7		
(107) DECK STRUCTURE TYPE	1	(108A) WEARING SURFACE	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	9		
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0	(71) WATERWAY ADEQUACY	N		
AGE OF SERVICE				(72) APPROACH ROADWAY ALIGNMENT	8		
(27) YEAR BUILT	1993	(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	14000	(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	87.0
(48) LENGTH OF MAX SPAN (ft.)	90	(49) STRUCTURE LENGTH (ft.)	182	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	11		
(32) APPROACH ROADWAY WIDTH (ft.)	40.0			(100) STRAHNET HIGHWAY DESIGNATION	1		
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	0	(101) PARALLEL STRUCTURE DESIGNATION	R		
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(102) DIRECTION OF TRAFFIC	1		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.3			(103) TEMP STRUCTURE			
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			(105) FEDERAL LANDS HIGHWAYS	0		
(54) VERTICAL UNDER CLEARANCE (ft.)	H	16.85		(110) DESIGNATED NATIONAL NETWORK	1		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H	24.2		(20) TOLL	3		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0			(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	8071	(115) YEAR OF FUTURE ADT	2028	(40) NAV HORIZONTAL CLEARANCE (ft.)	0		

Inspector:

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Bridge Inspection Report

National Bridge Inventory

UNDER RECORD 2

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	I-555SB-02-LM28.46
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	A6399
(4) PLACE CODE	00000	(9) LOCATION	1.65 MI W SH463
(5) INV. ROUTE (ON/UNDER)	2 3 1 69 0	(11) MILEPOINT	6.009 (12) BASE HIGHWAY NETWORK 0
(6) FEATURES INTERSECTED	SH 69	(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35. (17) LONGITUDE -90.5529166666667
			6785333333333

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	17.1	(48) LENGTH OF MAXIMUM SPAN	90 (49) STRUCTURE LENGTH	182
(47) TOTAL HORIZONTAL CLEARANCE	86.7			

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	2
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07	(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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## Bridge Inspection Report

## 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.	7191	83	560	0
1120 - Efflorescence/Rust Staining		83			83		
1130 - Cracking (RC and Other)		560				560	
107 - Steel Open Girder/Beam	1- Ben.	9407	ft.	9395	12	0	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.	1607	0	145	0
1130 - Cracking (RC and Other)		145				145	
331 - Reinforced Concrete Bridge Railing	1- Ben.	364	ft.	364			



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

Priority: C - Important

Work Code:

---

Deficiency Description:

Conc. Approach Slab

Open unsealed cracks thru slabs.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Inspector:

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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

Several areas have paint peeling at splice locations and at ends of girders.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

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:

Conc. Deck

Deck has a few unsealed cracks.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1 Description



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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 1/20/2015 12:00:00 AM

Priority: D - Routine

Work Code:

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Deficiency Description:

Some rust with light pitting forming on ends of girders at Bt. 1 & 4.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

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