

# Bridge Inspection Report

**06999**  
**I-555/Sec-1/L-0.14**  
**over**  
**I-555 & I-55**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	11

Inspector:

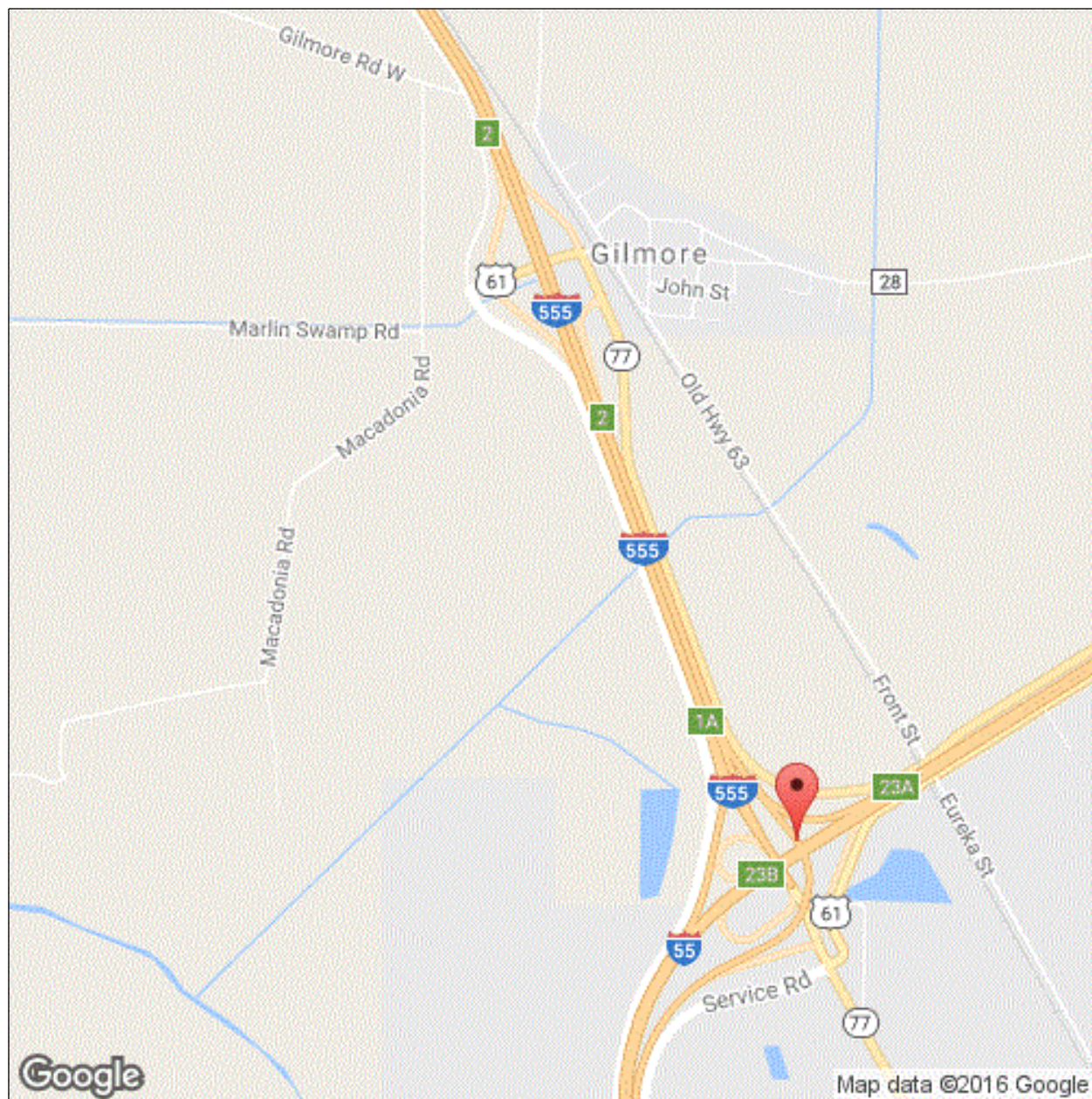
Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

## Bridge Inspection Report

### Location Map



Latitude: 35.390217

Longitude: -90.272720



Inspector:

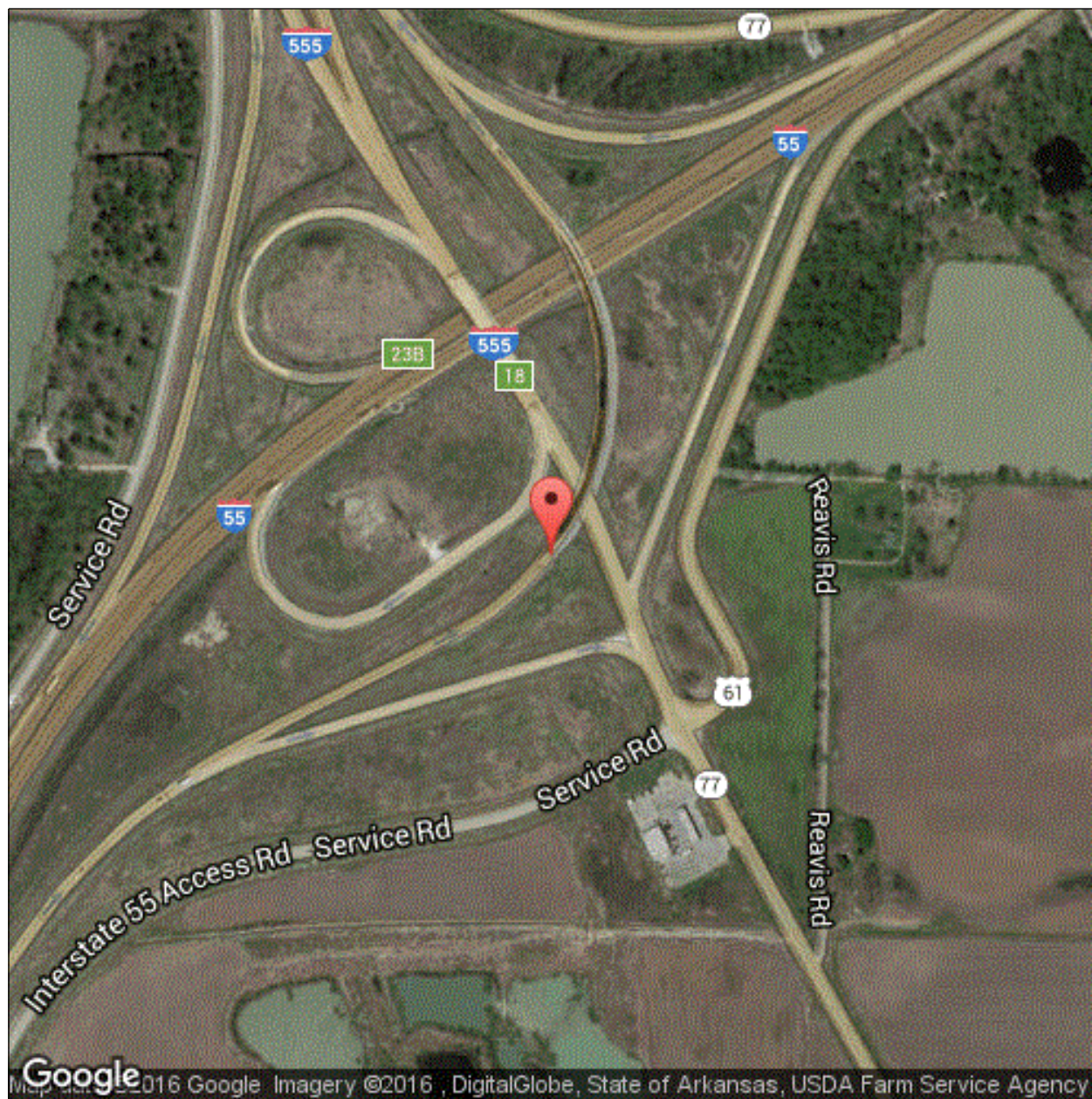
Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

## Bridge Inspection Report

### Location Map



Latitude: 35.390217

Longitude: -90.272720



Inspector:

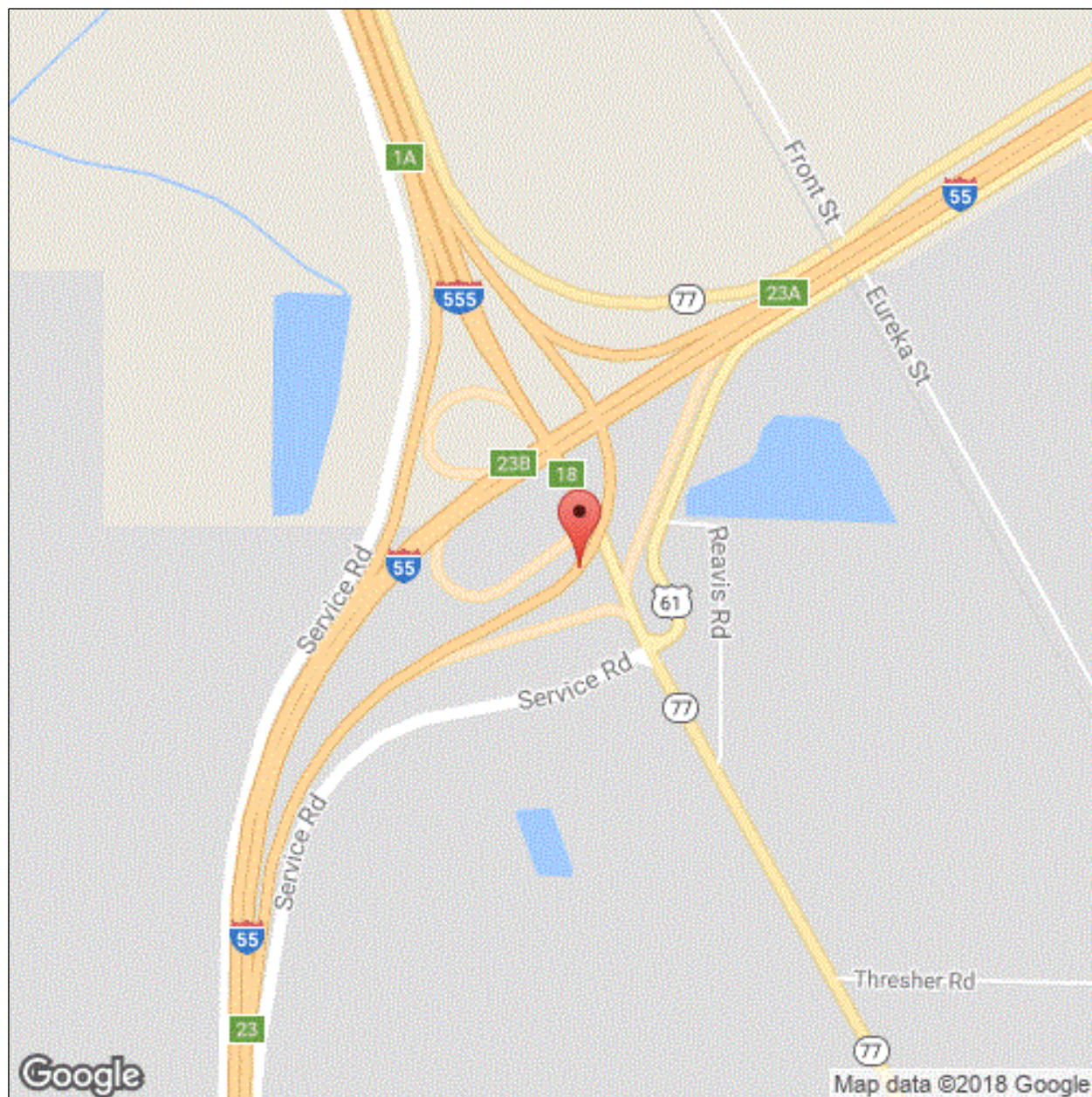
Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

### Bridge Inspection Report

### Location Map



Latitude: 35.390217

Longitude: -90.272720

**Inspector:**

**Structure Number:** 06999

**Inspection Date:**

**Facility Carried:** I-555/Sec-1/L-0.14

**Bridge Inspection Report**

**Executive Summary**

Changed Log mile to 0.14 per Little Rock's direction

Inspector:

Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/24/2018
(8) STRUCTURE NUMBER	06999	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 7 555 1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01	(3) COUNTY CODE	035
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	I-555 & I-55	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	I-555/Sec-1/L-0.14	C. OTHER SPECIAL	N
(9) LOCATION	Jct I-555 & I-55	CONDITION	
(11) MILEPOINT	0.14	(58) DECK	8
(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	8
(13A) LRS INVENTORY ROUTE	0000063100	(60) SUBSTRUCTURE	9
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	N
(16) LATITUDE	35.390217	(62) CULVERT	N
(17) LONGITUDE	-90.272720	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	8
(45) NUMBER OF SPANS IN MAIN	13	(68) DECK GEOMETRY	7
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(107) DECK STRUCTURE TYPE	1	(71) WATERWAY ADEQUACY	N
(108A) WEARING SURFACE	1	(72) APPROACH ROADWAY ALIGNMENT	9
(108B) DECK MEMBRANE	0	(36) TRAFFIC SAFETY FEATURE	
(108C) DECK PROTECTION	1	36A) BRIDGE RAILINGS:	1
AGE OF SERVICE		36B) TRANSITIONS:	1
(27) YEAR BUILT	2006	36C) APPROACH GUARDRAIL:	1
(106) YEAR RECONSTRUCTED	0000	36D) APPROACH GUARDRAIL ENDS:	1
(42) TYPE OF SERVICE	ON 1 UNDER 1	(113) SCOUR CRITICAL BRIDGES	N
(28) LANES	ON 01 UNDER 06	SUFFICIENCY RATING	98.0
(29) AVERAGE DAILY TRAFFIC	1100	STATUS	0
(19) BYPASS DETOUR LENGTH	0	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	24	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(48) LENGTH OF MAX SPAN (ft.)	135	(100) STRAHNET HIGHWAY DESIGNATION	1
(49) STRUCTURE LENGTH (ft.)	1027	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(102) DIRECTION OF TRAFFIC	1
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	25.1	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	27	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	25.1	(110) DESIGNATED NATIONAL NETWORK	1
(33) BRIDGE MEDIAN	0	(20) TOLL	3
(34) SKEW (DEG.)	0	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0	(22) OWNER	01
(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(37) HISTORICAL	4
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	26.9	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	N
(54) VERTICAL UNDER CLEARANCE (ft.)	H 17.47	(111) PIER OR ABUTMENT PROTECTION	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 31.6	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	7.7	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
PROPOSED IMPROVEMENTS		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	1730		
(115) YEAR OF FUTURE ADT	2028		

Inspector:

Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	28864	sq. ft.	20389	8475	0	0
	3 small pop outs span #5 approx. 6" in dia. no rebar exposed. Soffit overhangs have hairline transverse cracks spaced 4' apart. Deck has longitudinal & transverse cracks. Transverse spaced 4' apart 2 longitudinal per span full length.						
1080 - Delamination/Spall/Patched Area		2			2		
1130 - Cracking (RC and Other)		8473			8473		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	4108	ft.	4108			
	All spans girder #1&4 paint system failing & peeling off on bottom of web and flange and a few other various locations						
515 - Steel Protective Coating		42350	sq. ft.	40296	2054	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		2054			2054		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	24	each	24			
	Bent 7,9 left column has paint peeling						
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	54	ft.	54			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	324	ft.	324			
<b>300 - Strip Seal Expansion Joint</b>	1- Ben.	252	ft.	252			
515 - Steel Protective Coating		504	sq. ft.	504			
<b>310 - Elastomeric Bearing</b>	1- Ben.	56	each	56			
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	1825	sq. ft.	1405	400	20	0
	Approach slabs have open transverse cracks spaced 2' apart. Spalls in gutters.						
1130 - Cracking (RC and Other)		420			400	20	
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	2054	ft.	2053	0	1	0
	Span #5 rt. side collision damage, small spall. Left & right rails have vertical hairlines cracks spaced 3' apart. Minor areas of collision damage full length in various locations.						
1080 - Delamination/Spall/Patched Area		1				1	



**Inspector:**

**Inspection Date:**

**Structure Number:** 06999

**Facility Carried:** I-555/Sec-1/L-0.14

**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 1

Description

**Inspector:**

**Inspection Date:**

**Structure Number:** 06999

**Facility Carried:** I-555/Sec-1/L-0.14

## Bridge Inspection Report

### Pictures

PHOTO 2

Description

PHOTO 3

Description

**Inspector:**

**Inspection Date:**

**Structure Number:** 06999

**Facility Carried:** I-555/Sec-1/L-0.14

**Bridge Inspection Report**

**Sketches**



Inspector:

Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 4/10/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

---

#### Deficiency Description:

APPROACH SLABS HAVE SEVERAL OPEN TRANSVERSE CRACKS.

#### Work Description:

---

#### Date Repairs Completed:

#### Maintenance Comments:

---

#### Stage: Monitor



PHOTO 1    Description    Typical approach slab cracking.

Inspector:

Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

### Bridge Inspection Report

## Maintenance Needs

Date Reported: 4/10/2012 12:00:00 AM

Priority: C - Important

Work Code: N/A

---

### Deficiency Description:

APPROACH SLAB GUTTERS LEFT AND RIGHT ALL GUTTERS ARE CRACKED AND SPALLED.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1    Description    Typical approach gutter cracking.

Inspector:

Structure Number: 06999

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.14

### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 04/12/2016

Priority: D - Routine

Work Code: N/A

---

#### Deficiency Description:

ABUTMENT #1 LEFT SIDE APPROACH RAIL HAS MINOR COLLISION DAMAGE.

#### Work Description:

---

#### Date Repairs Completed:

#### Maintenance Comments:

---

#### Stage: Monitor



PHOTO 1      Description      ABUTMENT #2 RIGHT SIDE  
APPROACH RAIL HAS MINOR  
COLLISION DAMAGE.