

# Bridge Inspection Report

**06315**  
**CARAWAY RD-RT 12-C**  
**over**  
**I-555**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

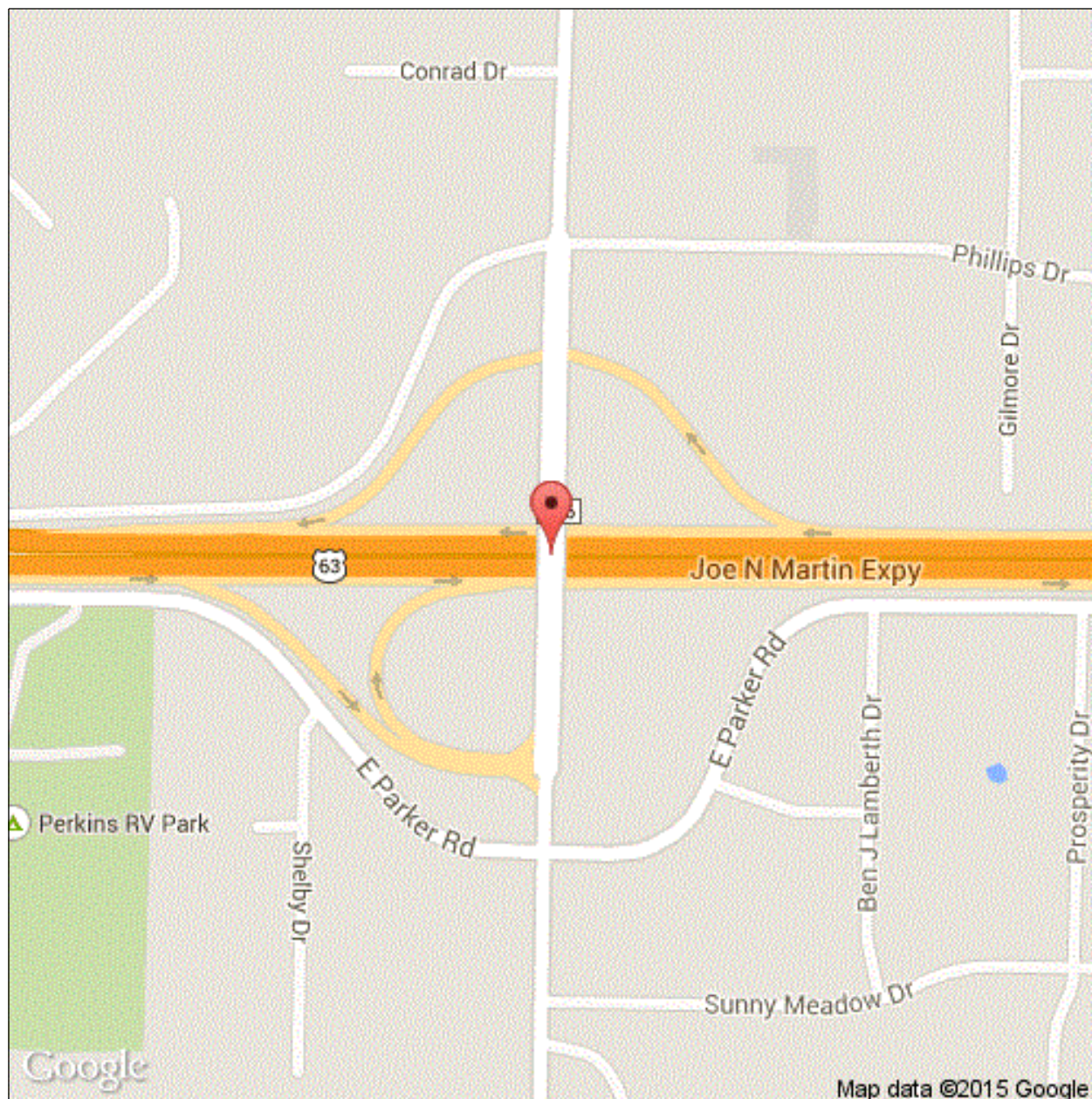
Structure Number: 06315

Inspection Date:

Facility Carried: CARAWAY RD-RT 12-C

### Bridge Inspection Report

### Location Map



Latitude: 35.80668

Longitude: -90.67823



Inspector:

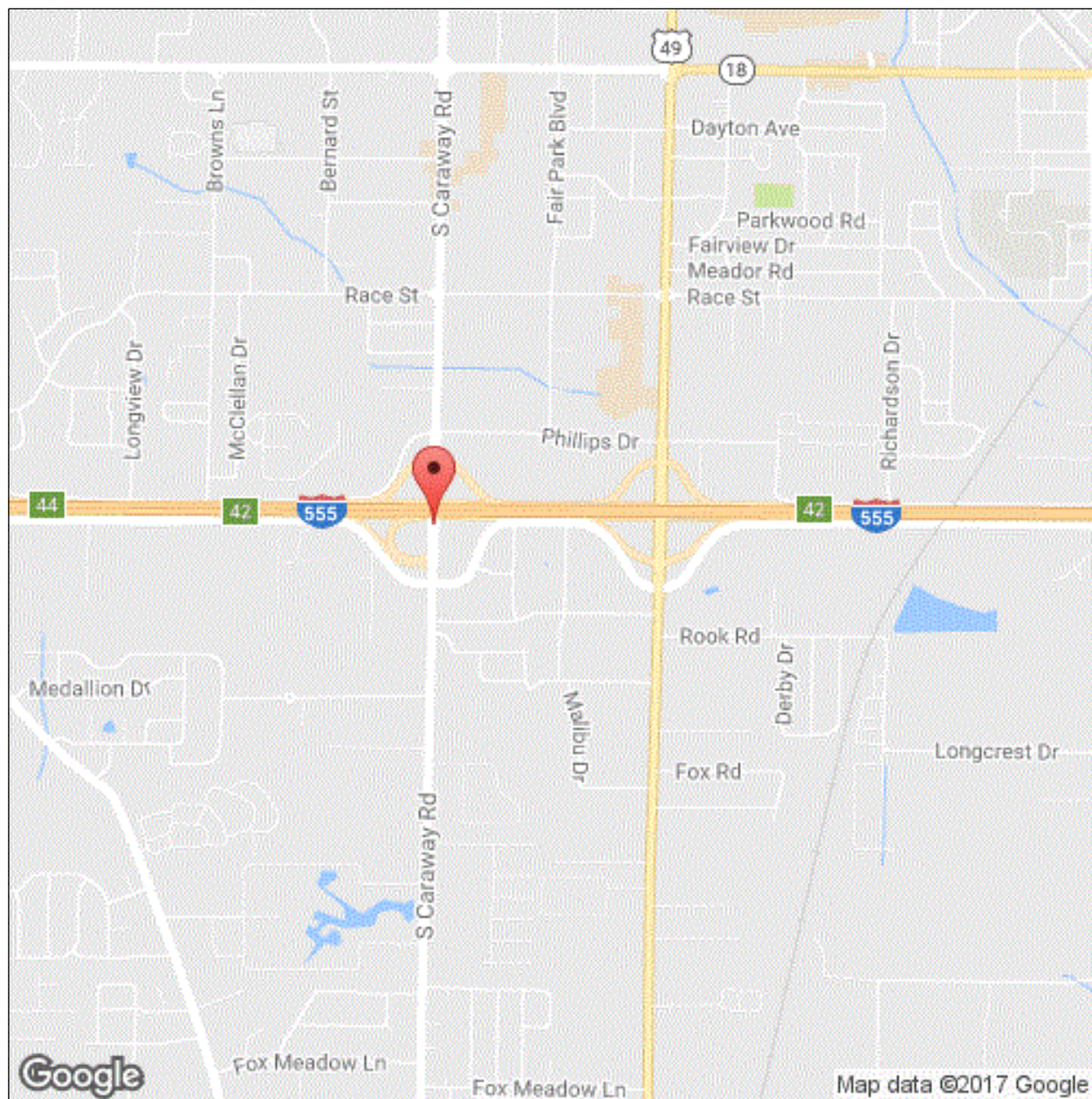
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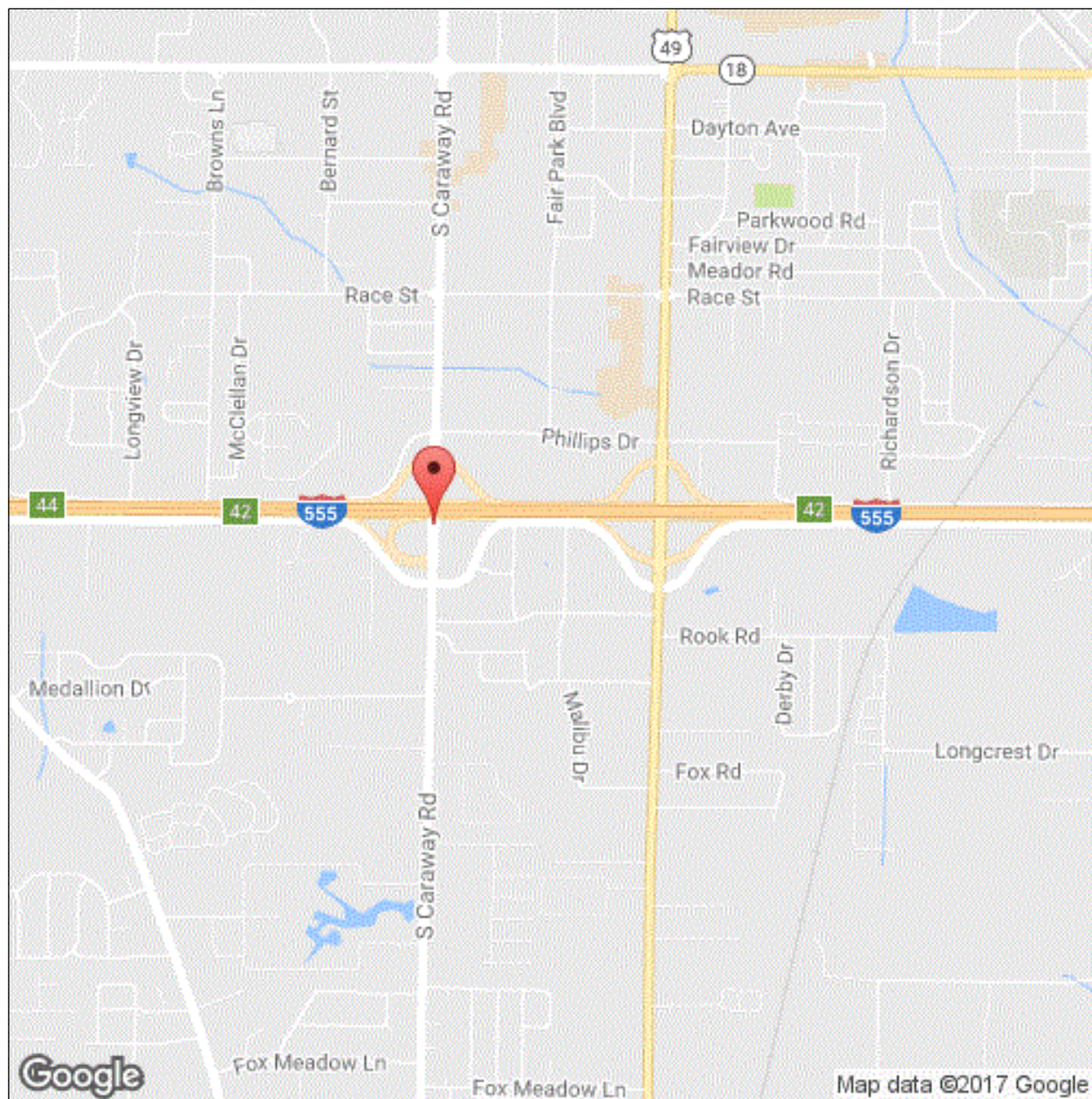
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**Bridge Inspection Report**

**Executive Summary**

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/17/2019
(8) STRUCTURE NUMBER	06315	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 5 1 126 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 031	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	34720	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I-555	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	CARAWAY RD-RT 12-C		
(9) LOCATION	JCT I-555 & CARAWAY ROAD		
(11) MILEPOINT 4.160	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063070 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.80668	(17) LONGITUDE -90.67823		
(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 4	(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 1990	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 05 UNDER 07		(64) OPERATING RATING	56
(29) AVERAGE DAILY TRAFFIC 195	(19) BYPASS DETOUR LENGTH 2	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 1985		(66) INVENTORY RATING	34
(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.) 113	(49) STRUCTURE LENGTH (ft.) 355	(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.) 76.1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(52) DECK WIDTH, OUT-TO-OUT (ft.) 78.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 76.1		(72) APPROACH ROADWAY ALIGNMENT	9
(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.) 77.1		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 16.85		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 12		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 8.0		SUFFICIENCY RATING 97.3	STATUS 0
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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 262	(115) YEAR OF FUTURE ADT 2005	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	4
		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

## 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.	27816	sq. ft.	25582	2234	0	0
1120 - Efflorescence/Rust Staining		214		0	214	0	0
1130 - Cracking (RC and Other)		2020		0	2020	0	0
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3530	ft.	3410	120	0	0
1000 - Corrosion		115		0	115	0	0
1020 - Connection		5		0	5	0	0
515 - Steel Protective Coating		47375	sq. ft.	46127	1248	0	0
3440 - Effectiveness (Steel Protective Coatings)		1248		0	1248	0	0
<b>205 - Reinforced Concrete Column</b>	1- Ben.	12	each	12	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	195	ft.	189	6	0	0
1120 - Efflorescence/Rust Staining		6		0	6	0	0
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	234	ft.	212	22	0	0
1130 - Cracking (RC and Other)		22		0	22	0	0
<b>301 - Pourable Joint Seal</b>	1- Ben.	152	ft.	0	0	0	152
2320 - Seal Adhesion		152		0	0	0	152
<b>310 - Elastomeric Bearing</b>	1- Ben.	30	each	30	0	0	0
<b>311 - Movable Bearing</b>	1- Ben.	20	each	20	0	0	0
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	706	ft.	605	101	0	0
1090 - Exposed Rebar		7		0	7	0	0
1130 - Cracking (RC and Other)		94		0	94	0	0



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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description 2019 underclearance

PHOTO 1

Description

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**Bridge Inspection Report**

**Pictures**

PHOTO 2

Description

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**Bridge Inspection Report**

**Sketches**



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**Bridge Inspection Report**

**Maintenance Needs**

**Date Reported:** 4/19/2011 12:00:00 AM

**Priority:** D - Routine

**Work Code:**

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**Deficiency Description:**

Approach roadway, both bridge ends

Minor roadway settlement both bridge ends, 1/2 in.- 1 in. typical.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 04/17/2019

Priority: C - Important

Work Code:

### Deficiency Description:

Compression seals have been replaced with poured joint seals. Poured joint seal has complete loss of adhesion at bents 1 and 5.

### Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1      Description      Bent 1 joint

Stage: Monitor



PHOTO 2      Description      Bent 5 joint

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### Bridge Inspection Report

#### Maintenance Needs

**Date Reported:** 04/17/2019

**Priority:** D - Routine

**Work Code:**

---

**Deficiency Description:**

Span 2 splice 2 girder 1 has a loose bolt on bottom flange.  
Span 2 splice 2 girder 2 has a loose bolt on bottom flange.

Span 3 splice 1 girder 7 has a loose bolt on bottom flange.  
Span 3 splice 1 girder 10 has a loose bolt on bottom flange.

Span 3 splice 2 girder 5 has a loose bolt on bottom flange.

**Work Description:**

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**Date Repairs Completed:**

**Maintenance Comments:**

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**Date Reported:** 4/19/2011 12:00:00 AM

**Priority:** D - Routine

**Work Code:**

---

**Deficiency Description:**

Majority of bearings on end bents  
Have rust with pitting and/or initial section loss.

**Work Description:**

Bearings at bents 1 and 5 were painted in 2018.

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**Date Repairs Completed:** 04/17/2019

**Maintenance Comments:**

observed during inspection.

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## Maintenance Needs

Date Reported: 5/1/2013 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

---

### Deficiency Description:

Girders have a few areas of freckled rust, especially at field splices.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Span 2 girder 9 splice 1

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 04/17/2019

Priority: C - Important

Work Code:

---

### Deficiency Description:

Bent 1 slope paving is undermined near Lt end. 5 sections are beginning to cave in.

### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor



PHOTO 1    Description    Bent 1 slope paving