

# Bridge Inspection Report

**05523**  
**SH7Sec3Lm14.48**  
**over**  
**UPRR**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

## TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	10

Inspector:

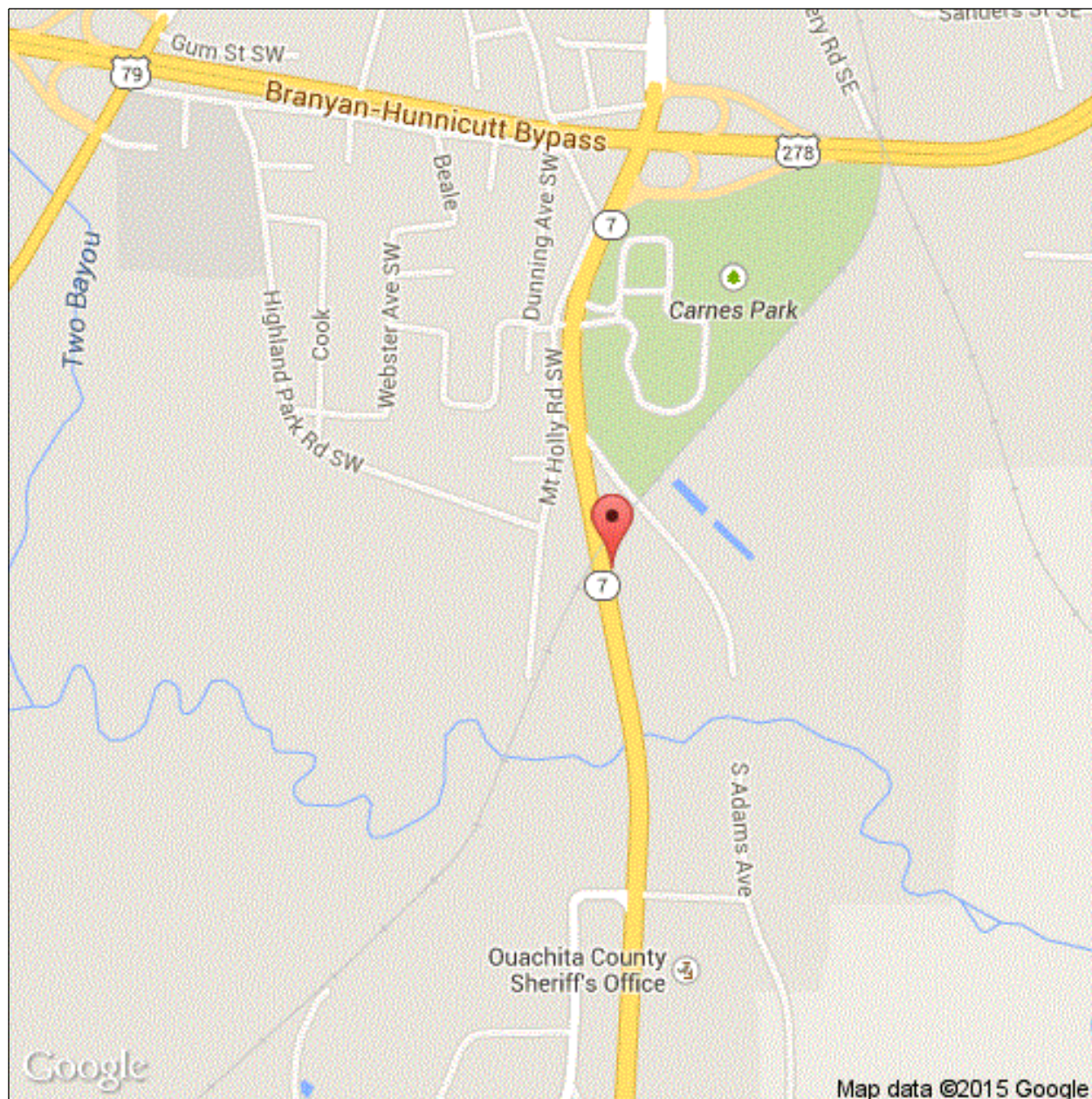
Structure Number: 05523

Inspection Date:

Facility Carried: SH7Sec3Lm14.48

## Bridge Inspection Report

### Location Map



Latitude: 33.56092

Longitude: -92.82834



Inspector:

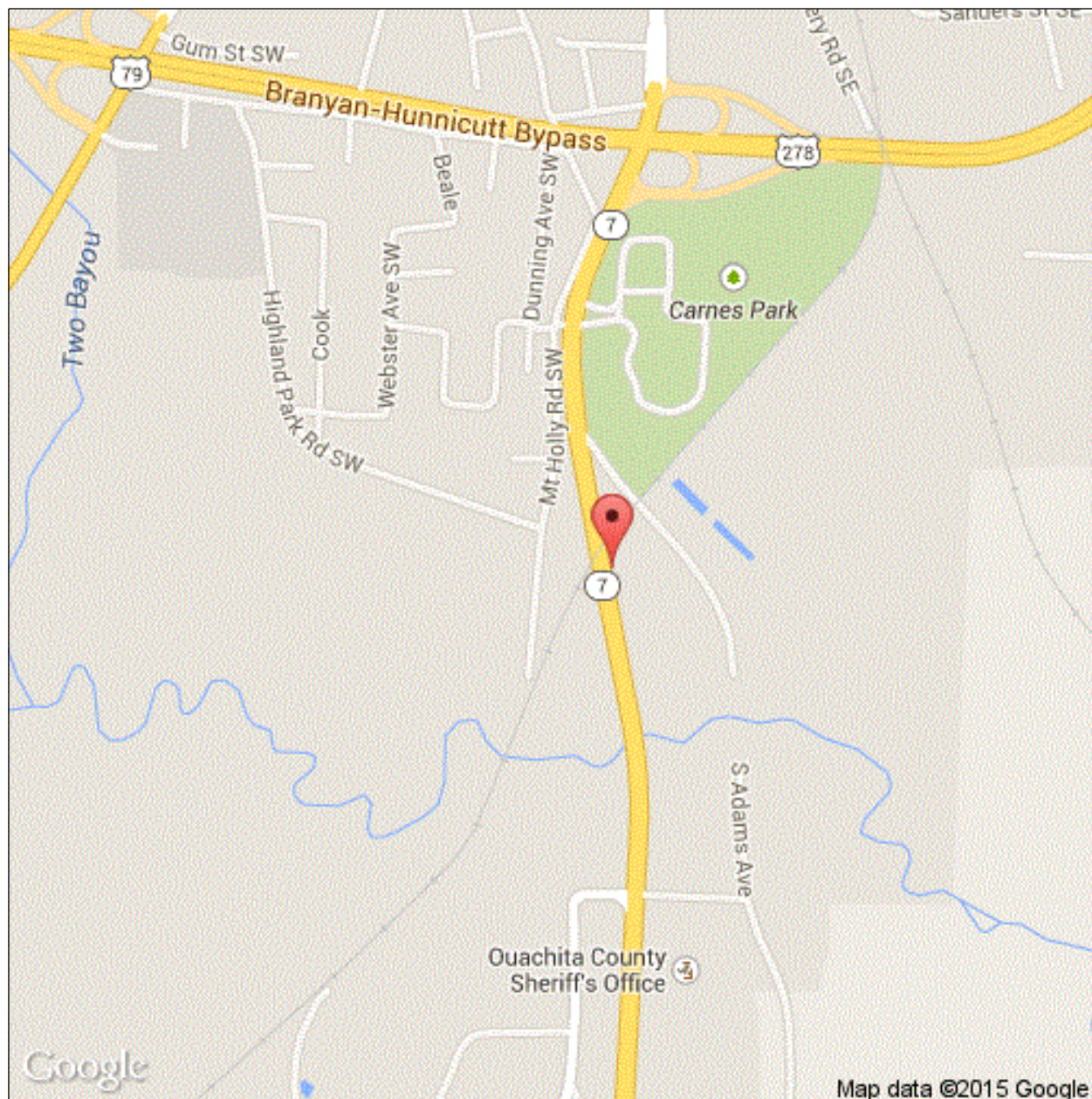
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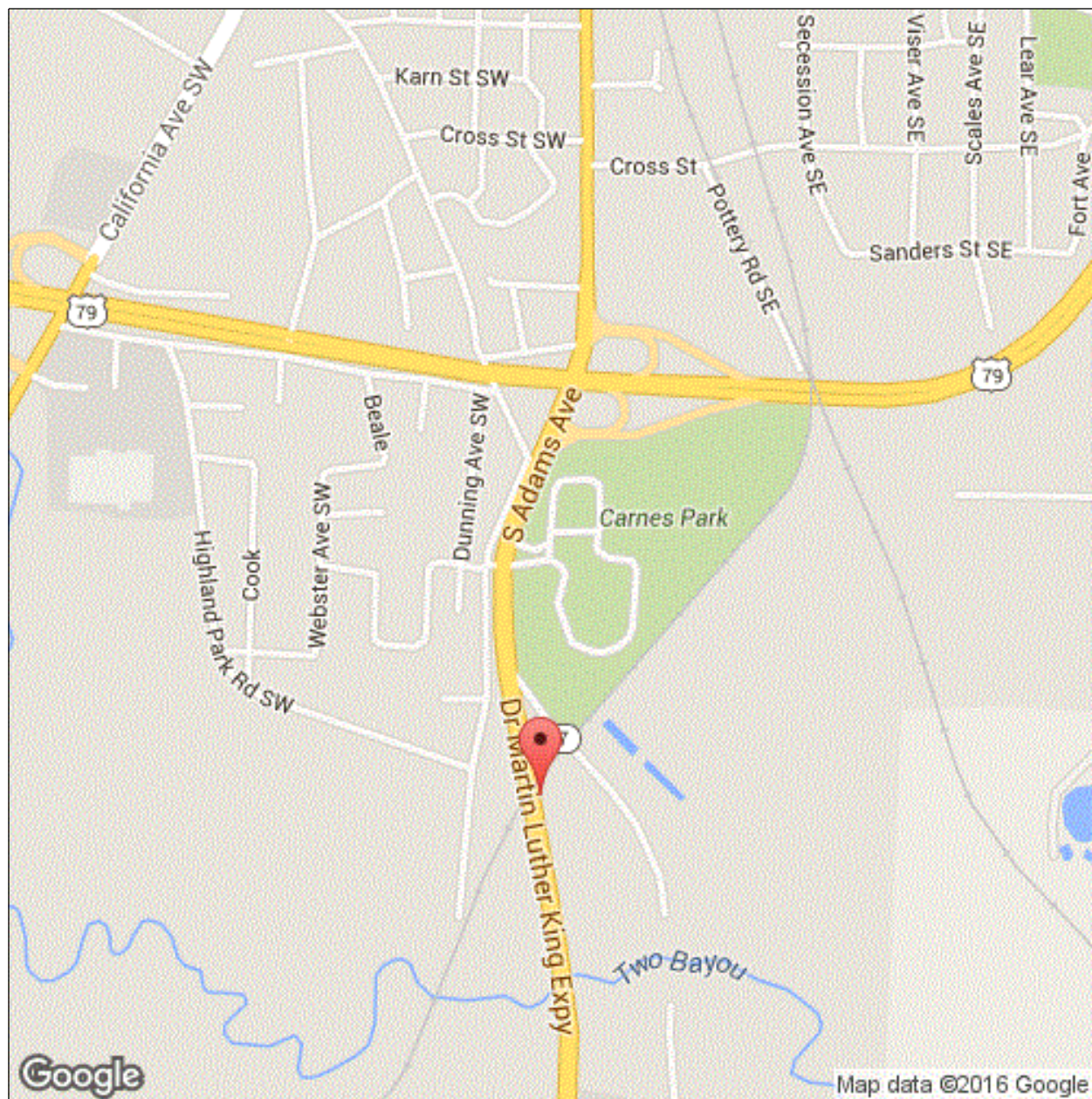
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**Bridge Inspection Report**

**Executive Summary**

03/26/2018 JPR -- This structure is logged from South to North.

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/27/2018
(8) STRUCTURE NUMBER	05523	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 7 1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07	(3) COUNTY CODE	103
(4) PLACE CODE	10280	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	UPRR	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	SH7Sec3Lm14.48	C. OTHER SPECIAL	N
(9) LOCATION	.59 MI S JCT US79&SH4	CONDITION	
(11) MILEPOINT	14.477	(58) DECK	7
(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000007030	(60) SUBSTRUCTURE	5
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	N
(16) LATITUDE	33.56092	(62) CULVERT	N
(17) LONGITUDE	-92.82834	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	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(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	5
(45) NUMBER OF SPANS IN MAIN	9	(68) DECK GEOMETRY	6
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(107) DECK STRUCTURE TYPE	1	(71) WATERWAY ADEQUACY	N
(108A) WEARING SURFACE	1	(72) APPROACH ROADWAY ALIGNMENT	8
(108B) DECK MEMBRANE	0	(36) TRAFFIC SAFETY FEATURE	
(108C) DECK PROTECTION	0	36A) BRIDGE RAILINGS:	1
AGE OF SERVICE		36B) TRANSITIONS:	1
(27) YEAR BUILT	1976	36C) APPROACH GUARDRAIL:	1
(106) YEAR RECONSTRUCTED	0000	36D) APPROACH GUARDRAIL ENDS:	1
(42) TYPE OF SERVICE	ON 1 UNDER 2	(113) SCOUR CRITICAL BRIDGES	N
(28) LANES	ON 04 UNDER 00	SUFFICIENCY RATING	78.9
(29) AVERAGE DAILY TRAFFIC	8800	STATUS	0
(19) BYPASS DETOUR LENGTH	6	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2018	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	10	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	12
(48) LENGTH OF MAX SPAN (ft.)	74.0	(100) STRAHNET HIGHWAY DESIGNATION	0
(49) STRUCTURE LENGTH (ft.)	618.0	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(102) DIRECTION OF TRAFFIC	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	66.3	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	72.0	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	76.1	(110) DESIGNATED NATIONAL NETWORK	0
(33) BRIDGE MEDIAN	2	(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	5
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	67.6	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	N
(54) VERTICAL UNDER CLEARANCE (ft.)	R 22.47	(111) PIER OR ABUTMENT PROTECTION	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R 23.0	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(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	9700		
(115) YEAR OF FUTURE ADT	2038		

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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.	41614	sq. ft.	31414	10000	200	0
1080 - Delamination/Spall/Patched Area		200				200	
1130 - Cracking (RC and Other)		10000			10000		
<b>38 - Reinforced Concrete Slab</b>	1- Ben.	2881	sq. ft.	2881			
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	6180	ft.	5180	1000	0	0
Girder ends rusty, scattered rust spots all girders all spans.							
1000 - Corrosion		1000			1000		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	28	each	28			
Minor chips, spalls and delaminations.							
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	144	ft.	144			
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	12	each	12			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	576	ft.	476	0	100	0
D7 Maint. has repaired the damaged cap @ Bt 5 SB. Drop special recurring inspection.							
1080 - Delamination/Spall/Patched Area		100				100	
<b>300 - Strip Seal Expansion Joint</b>	1- Ben.	720	ft.	576	72	0	72
Bt 7 NB joint material is missing from joint. Joints have small chips and small potholes.							
2360 - Adjacent Deck or Header		72			72		
7000 - Damage		72					72
<b>311 - Movable Bearing</b>	1- Ben.	135	each	135			
<b>313 - Fixed Bearing</b>	1- Ben.	35	each	35			
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	540	sq. ft.	440	100	0	0
Cracks							
1130 - Cracking (RC and Other)		100			100		
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	1236	ft.	1236			



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**Bridge Inspection Report**

**Pictures**

PHOTO 2

Description

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## **Bridge Inspection Report**

### **Sketches**

Inspector:

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 3/1/2012 12:00:00 AM

Priority: D - Routine

Work Code:

---

### Deficiency Description:

Joint material

Joint material failed bents 5, 7, & 9 . Debris built up on caps and around bearings, also allowing road salts to get through to caps.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Monitor



PHOTO 1      Description      Joint material at bent 5 missing

Stage: Monitor

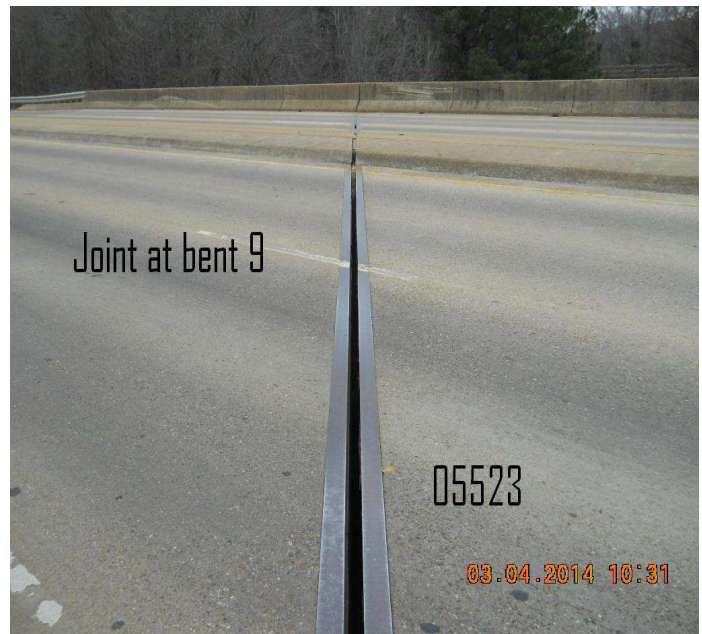


PHOTO 2      Description      Bent 9 Joint material missing.



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### Bridge Inspection Report

#### Maintenance Needs

**Date Reported:** 3/1/2012 12:00:00 AM

**Priority:** D - Routine

**Work Code:**

---

**Deficiency Description:**

Span 8 beam # 2 back  
Pack rust with minor sec. loss to BF.

**Work Description:**

---

**Date Repairs Completed:**

**Maintenance Comments:**

---

**Date Reported:** 03/27/2018

**Priority:** G - General/ Preventive maintenance

**Work Code:**

---

**Deficiency Description:**

**Work Description:**

---

**Date Repairs Completed:**

**Maintenance Comments:**

Bats were present

---

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### Bridge Inspection Report

## Maintenance Needs

Date Reported: 03/27/2018

Priority: C - Important

Work Code:

---

### Deficiency Description:

Bent 5 cap ahead spall. Most of the spall is on the repair and starts 2' Lt of C/L @ end of short cap and is about 5' @ top and then angles down to the Lt. about 2' x 6" deep at top. There is also a delamination 2' x 2' Lt. of the spall @ top.

### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Open



PHOTO 1      Description      Repaired area Bt 5 cap.

Stage: Open



PHOTO 2      Description      05523 cap repair Bt 5 SB has a fresh spall

Inspector:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 3      Description      Bent 5 cap ahead spall. Most of the spall is on the repair and starts 2' Lt of C/L @ end of short cap and is about 5' @ top and then angles down to the Lt. about 2' x 6" deep at top. There is also a delamination 2' x 2' Lt. of the spall @ top.