

# Bridge Inspection Report

**06467**

**SH 321 Log 1.29**

**over**

**UNION PAC R/R, CREEK**



**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:

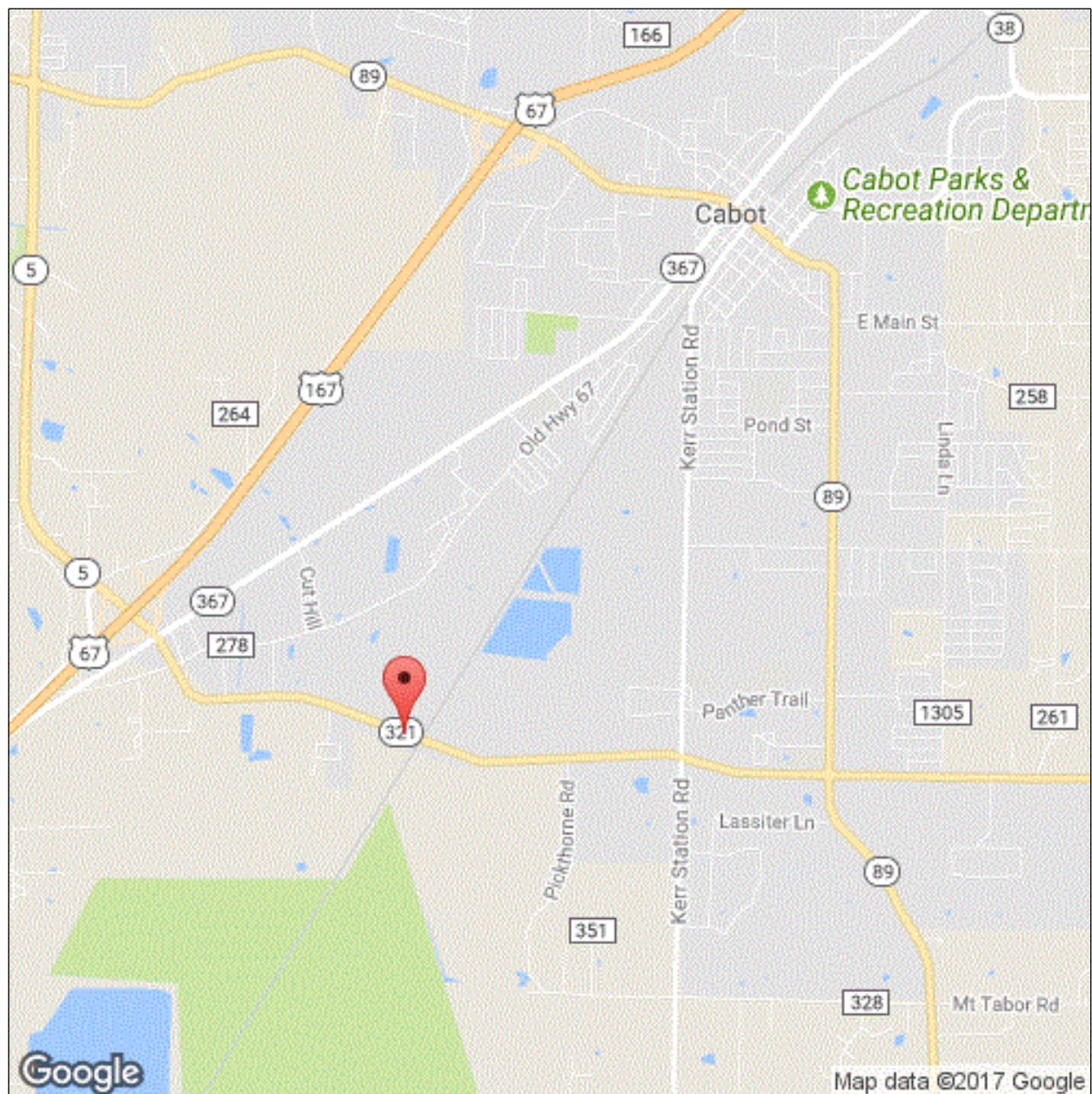
Structure Number: 06467

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Facility Carried: SH 321 Log 1.29

## Bridge Inspection Report

### Location Map



Latitude: 34.94085

Longitude: -92.04245



Inspector:

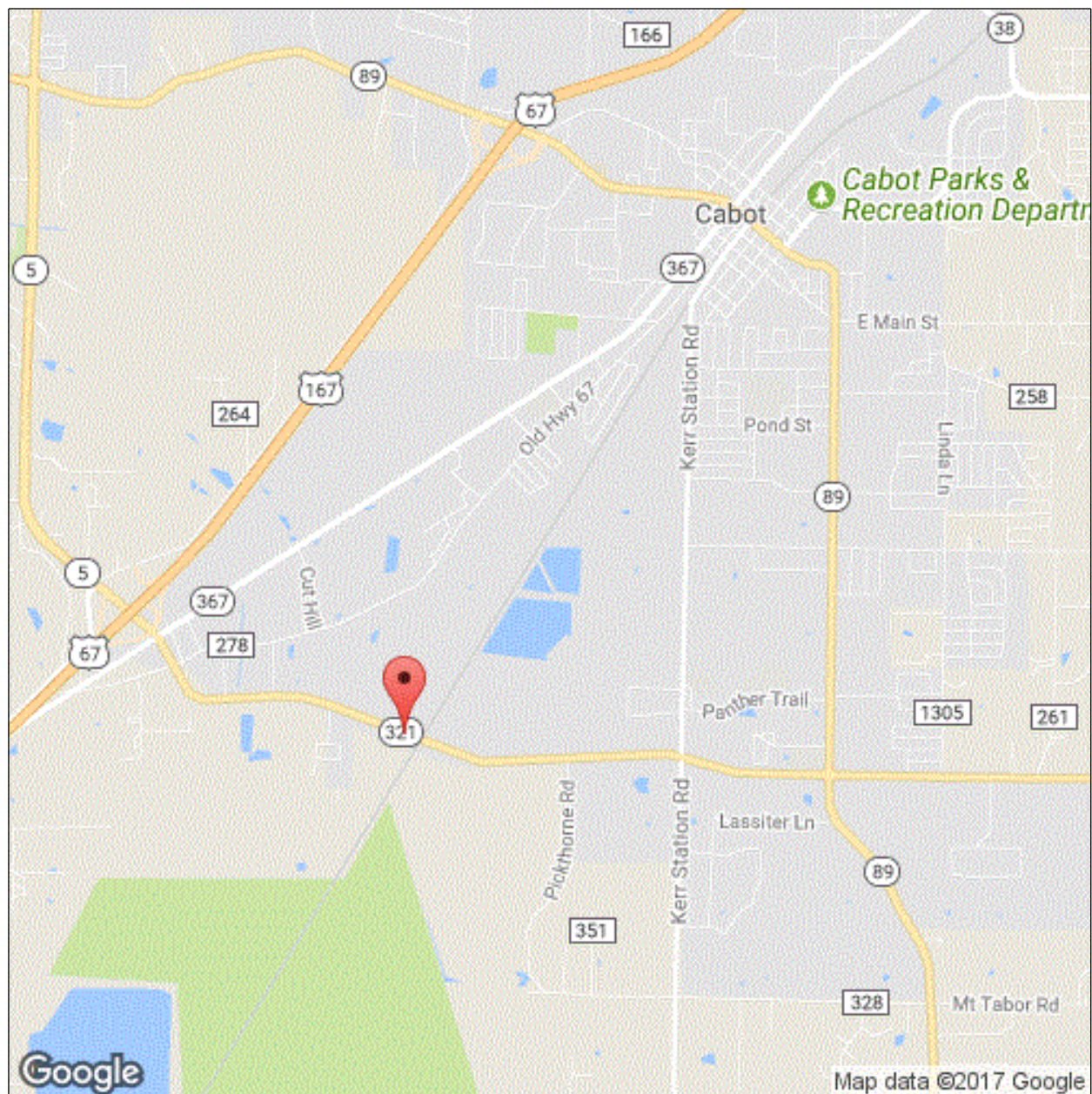
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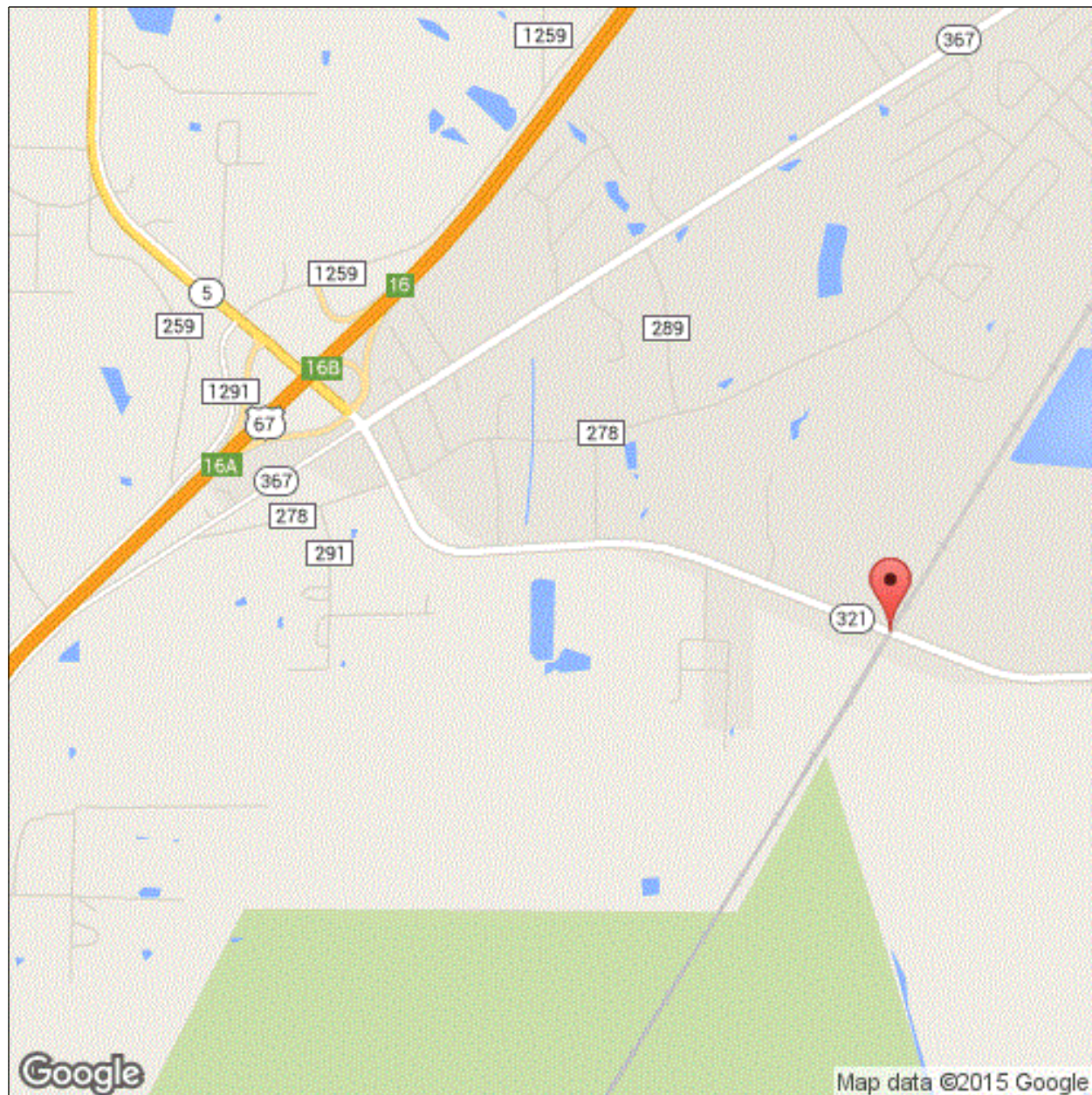
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### Location Map



Latitude: 34.94085

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## **Bridge Inspection Report**

### **Executive Summary**

Job 60559, drawing 32883  
Form IIIB attached 10/14/15

Logged Southbound.

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/17/2017
(8) STRUCTURE NUMBER	06467	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 321 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 085	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	UNION PAC R/R, CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 321Log 1.29		
(9) LOCATION	1.4 MI E US 67		
(11) MILEPOINT 1.290	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	34.94085 (17) LONGITUDE -92.04245		
(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
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	11 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
	0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1992 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE	ON 1 UNDER 7	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 02 UNDER 00	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC	18000 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36.0
(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.)	108 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.3	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	R 22.83	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R 36.7	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	54.8	SUFFICIENCY RATING	88.5 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	16
(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	24859 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(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.	36320	sq. ft.	32866	3454	0	0
	Span 7 at bent 8 has a small spall filled with asphalt. Longitudinal cracks are present in the deck surface in all spans. Most are 0.015 inch or less. Some are 0.025 inch.						
1080 - Delamination/Spall/Patched Area		4			4		
1130 - Cracking (RC and Other)		3450			3450		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	5088	ft.	5088			
515 - Steel Protective Coating		44316	sq. ft.	0	44316	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		44316			44316		
<b>205 - Reinforced Concrete Column</b>	1- Ben.	20	each	13	7	0	0
	Bent 2 right column ahead face has small spall Bent 3, left column small spall on the left side. Bent 4 both columns have a spall on back face. And left column has small spall on left side. Bent 5 both columns have small spall on back face. Bent 6, both columns have vertical cracks. See photo.						
1080 - Delamination/Spall/Patched Area		5			5		
1130 - Cracking (RC and Other)		2			2		
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	148	ft.	148			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	410	ft.	389	21	0	0
1130 - Cracking (RC and Other)		21			21		
<b>303 - Assembly Joint with Seal</b>	1- Ben.	160	ft.	120	40	0	0
	Spalls along the deck at all joints. Bent 12 is worst case, photo attached.						
2360 - Adjacent Deck or Header		40			40		
<b>310 - Elastomeric Bearing</b>	1- Ben.	84	each	84			
<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	1696	ft.	1694	2	0	0
	Span 4 right side, 20 feet ahead of bent 4, one spall in the rail at a slot drain.						
1080 - Delamination/Spall/Patched Area		2			2		



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## Bridge Inspection Report

### Pictures

PHOTO 1

Description

PHOTO 1

Description 06467\_Form IIIB.dgn

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**Bridge Inspection Report**

**Pictures**

PHOTO 1

Description

PHOTO 2

Description

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**Bridge Inspection Report**

**Sketches**



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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 10/14/2015

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Longitudinal unsealed cracks in all spans. Some are 0.025 inch or greater.

Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

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### Maintenance Needs

Date Reported: 10/17/2017

Priority: C - Important

Work Code:

---

#### Deficiency Description:

Bent 10 column 1 footing exposed due to scour action in the stream. Photo attached.

#### Work Description:

---

Date Repairs Completed:

Maintenance Comments:

---

Stage: Open



PHOTO 1      Description      Bent 10 column 1 footing exposed due to scour action in the stream.