

# Bridge Inspection Report

**05060**  
**SH 332-SEC 7-1.67**  
**over**  
**I 30-SEC 13 - 42.46**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

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Inspector:

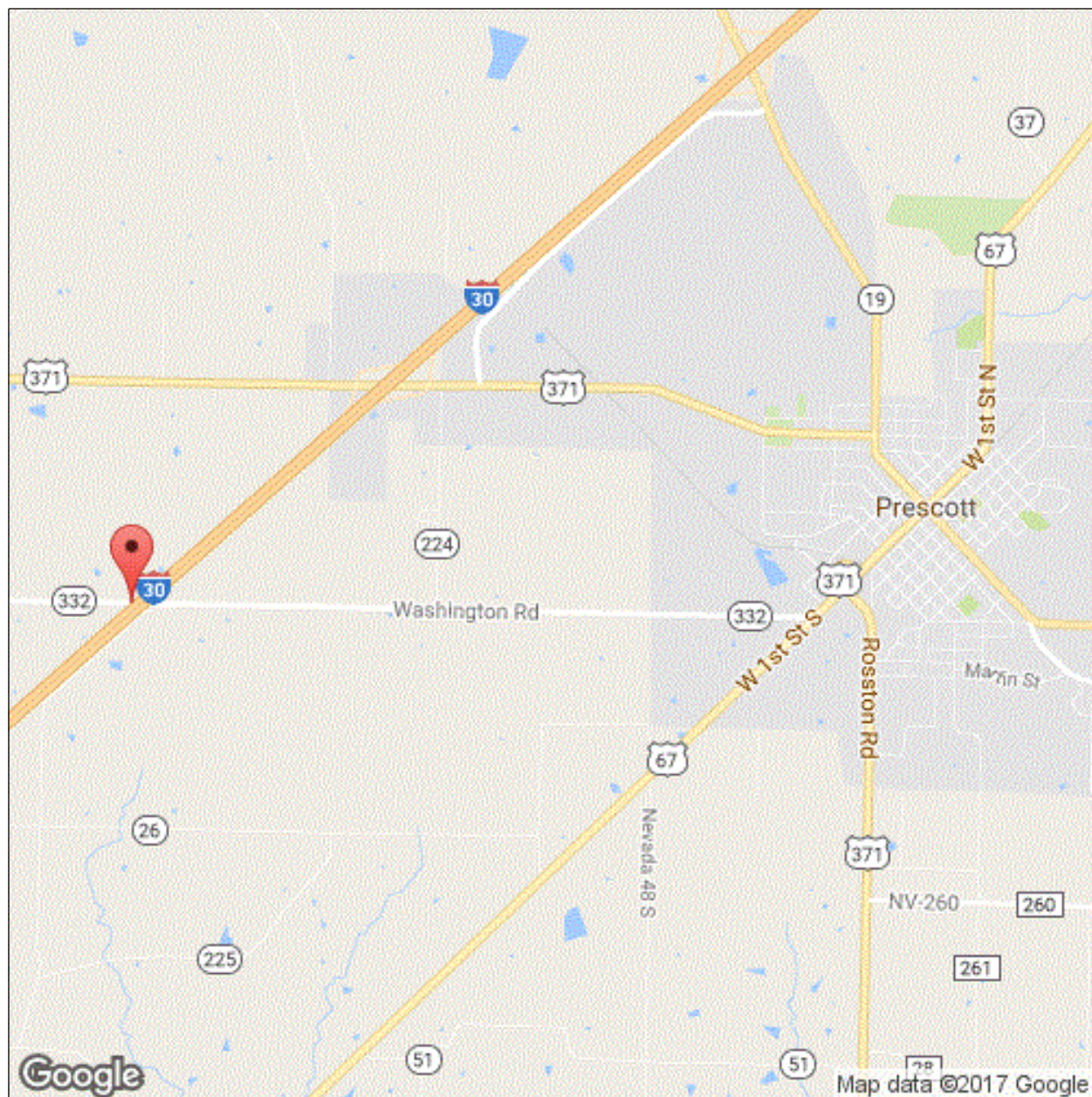
Structure Number: 05060

Inspection Date:

Facility Carried: SH 332-SEC 7-1.67

## Bridge Inspection Report

### Location Map



Latitude: 33.796238

Longitude: -93.443764



Inspector:

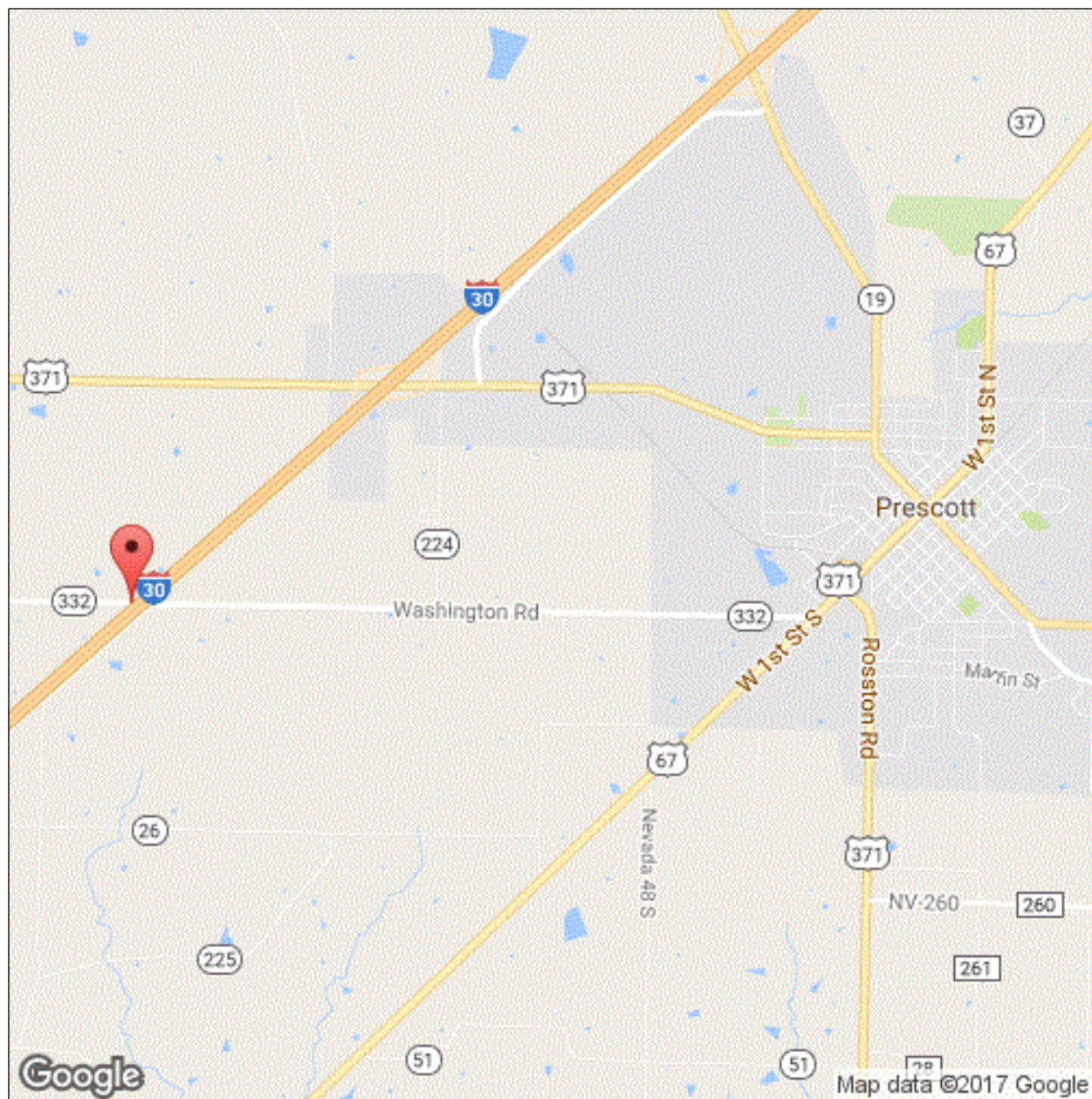
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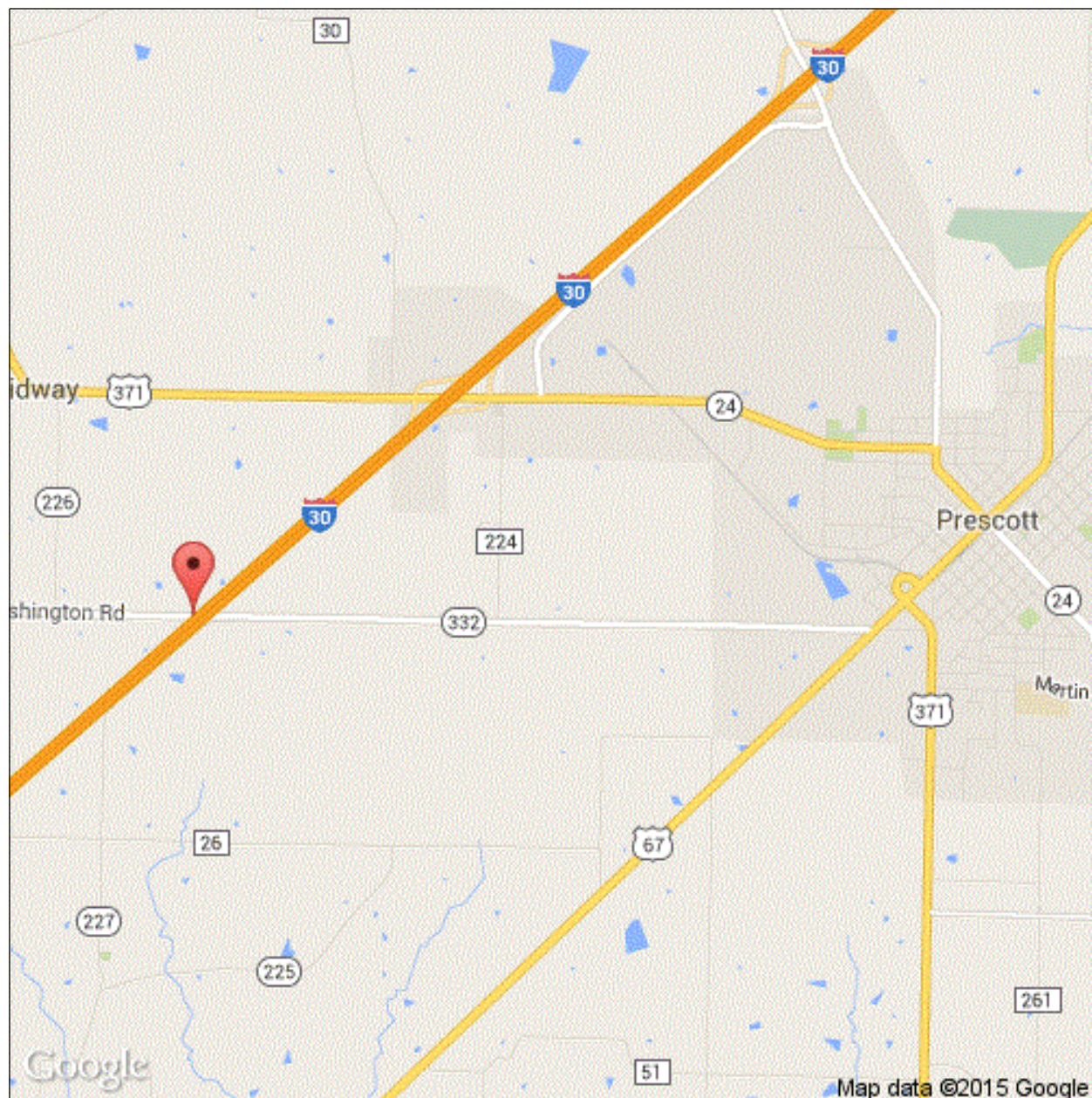
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### Executive Summary

Inspector:

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## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/28/2017
(8) STRUCTURE NUMBER	05060	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 332 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 099	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	55100	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I 30-SEC 13 - 42.46	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 332-SEC 7-1.67		
(9) LOCATION	1.67 MI E HEMPSTEAD CO		
(11) MILEPOINT 1.670	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER		
(16) LATITUDE 33.796238	(17) LONGITUDE -93.443764		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 6
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:	3 - Steel		
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder		
(45) NUMBER OF SPANS IN MAIN	3 (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	1969 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	4
(42) TYPE OF SERVICE	ON 1 UNDER 1	(63) METHOD USED TO DETERMINE OPERATING RATING	2
(28) LANES	ON 02 UNDER 04	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC	330 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	2
(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.)	129 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.5 RIGHT 0.5	(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	5
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31	(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(72) APPROACH ROADWAY ALIGNMENT	7
(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.)	28.9	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	H 16.25	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 29.9	(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.)	29.6	SUFFICIENCY RATING	97.9 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	07
(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	385 (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	N
		(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

## Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	14405	sq. ft.	995	13320	90	0
1080 - Delamination/Spall/Patched Area		445		0	355	90	0
1130 - Cracking (RC and Other)		12964		0	12964	0	0
107 - Steel Open Girder/Beam	1- Ben.	1840	ft.	1840	0	0	0
515 - Steel Protective Coating		24997	sq. ft.	24997	0	0	0
205 - Reinforced Concrete Column	1- Ben.	8	each	3	5	0	0
215 - Reinforced Concrete Abutment	1- Ben.	132	ft.	132	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	160	ft.	142	0	18	0
1080 - Delamination/Spall/Patched Area		9		0	0	9	0
1090 - Exposed Rebar		9		0	0	9	0
302 - Compression Joint Seal	1- Ben.	129	ft.	129	0	0	0
303 - Assembly Joint with Seal	1- Ben.	43	ft.	43	0	0	0
311 - Movable Bearing	1- Ben.	20	each	20	0	0	0
515 - Steel Protective Coating		80	sq. ft.	80	0	0	0
313 - Fixed Bearing	1- Ben.	12	each	8	4	0	0
515 - Steel Protective Coating		48	sq. ft.	48	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	1540	sq. ft.	1540	0	0	0
330 - Metal Bridge Railing	1- Ben.	920	ft.	920	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	920	ft.	920	0	0	0



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## Element Inspection

## Main

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	10685	sq. ft.	653	9942	90	
1080 - Delamination/Spall/Patched Area		428			338	90	
1130 - Cracking (RC and Other)		9604			9604		
107 - Steel Open Girder/Beam	1- Ben.	1376	ft.	1376			
Span 4 outside beams starting to peel.							

515 - Steel Protective Coating		18694	sq. ft.	18694			
205 - Reinforced Concrete Column	1- Ben.	8	each	3	5		
1080 - Delamination/Spall/Patched Area		3			3		
1090 - Exposed Rebar		2			2		
234 - Reinforced Concrete Pier Cap	1- Ben.	160	ft.	142		18	
1080 - Delamination/Spall/Patched Area		9				9	
1090 - Exposed Rebar		9				9	
302 - Compression Joint Seal	1- Ben.	43	ft.	43			
303 - Assembly Joint with Seal	1- Ben.	43	ft.	43			
311 - Movable Bearing	1- Ben.	12	each	12			
515 - Steel Protective Coating		48	sq. ft.	48			
313 - Fixed Bearing	1- Ben.	4	each	0	4		
1000 - Corrosion		4			4		
515 - Steel Protective Coating		16	sq. ft.	16			
330 - Metal Bridge Railing	1- Ben.	688	ft.	688			
331 - Reinforced Concrete Bridge Railing	1- Ben.	688	ft.	688			

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## Bridge Inspection Report

## Element Inspection

## Approach

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	3720	sq. ft.	342	3378		
Spalls in overhang with exposed rebar							
1080 - Delamination/Spall/Patched Area		17			17		
1090 - Exposed Rebar		1			1		
1130 - Cracking (RC and Other)		3360			3360		
107 - Steel Open Girder/Beam	1- Ben.	464	ft.	464			
515 - Steel Protective Coating		6303	sq. ft.	6303			
215 - Reinforced Concrete Abutment	1- Ben.	132	ft.	132			
302 - Compression Joint Seal	1- Ben.	86	ft.	86			
311 - Movable Bearing	1- Ben.	8	each	8			
515 - Steel Protective Coating		32	sq. ft.	32			
313 - Fixed Bearing	1- Ben.	8	each	8			
515 - Steel Protective Coating		32	sq. ft.	32			
321 - Reinforced Concrete Approach Slab	1- Ben.	1540	sq. ft.	1540			
330 - Metal Bridge Railing	1- Ben.	232	ft.	232			
331 - Reinforced Concrete Bridge Railing	1- Ben.	232	ft.	232			

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## Bridge Inspection Report

Pictures



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## Bridge Inspection Report

Sketches

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 7/18/2011 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

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Deficiency Description:

ALL SPANS

SPANS HAVE SEALABLE DECK CRACKS

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Assigned



PHOTO 1    Description    Unsealed cracks in all spans