



Bridge Inspection Report

06665
US64/Sec-16/L-7.04
over
ST FRANCIS BAYOU



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

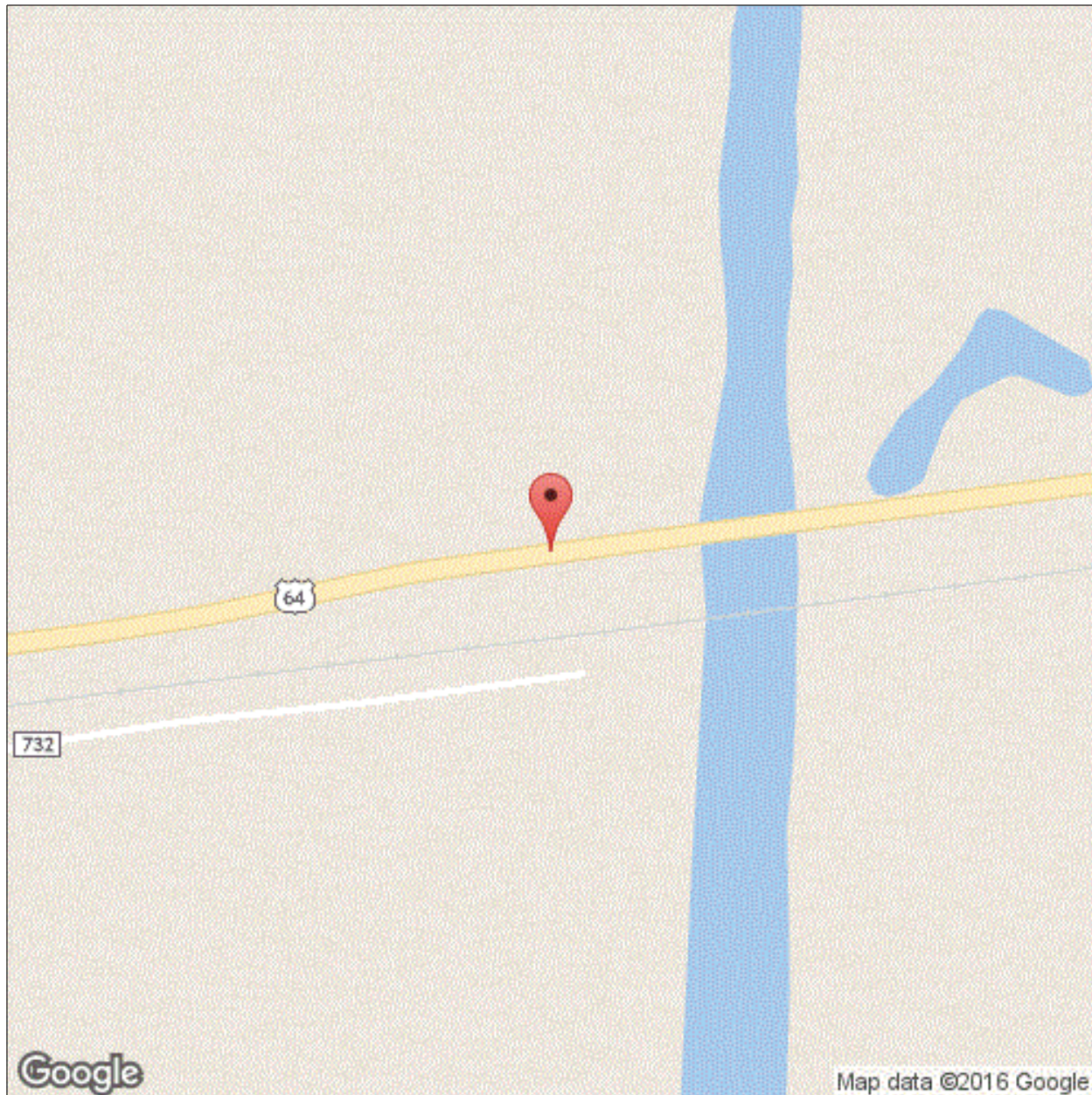
Inspection Date:

Structure Number: 06665

Facility Carried: US64/Sec-16/L-7.04

Bridge Inspection Report

Location Map



Latitude: 35.260281

Longitude: -90.682175

Inspector:

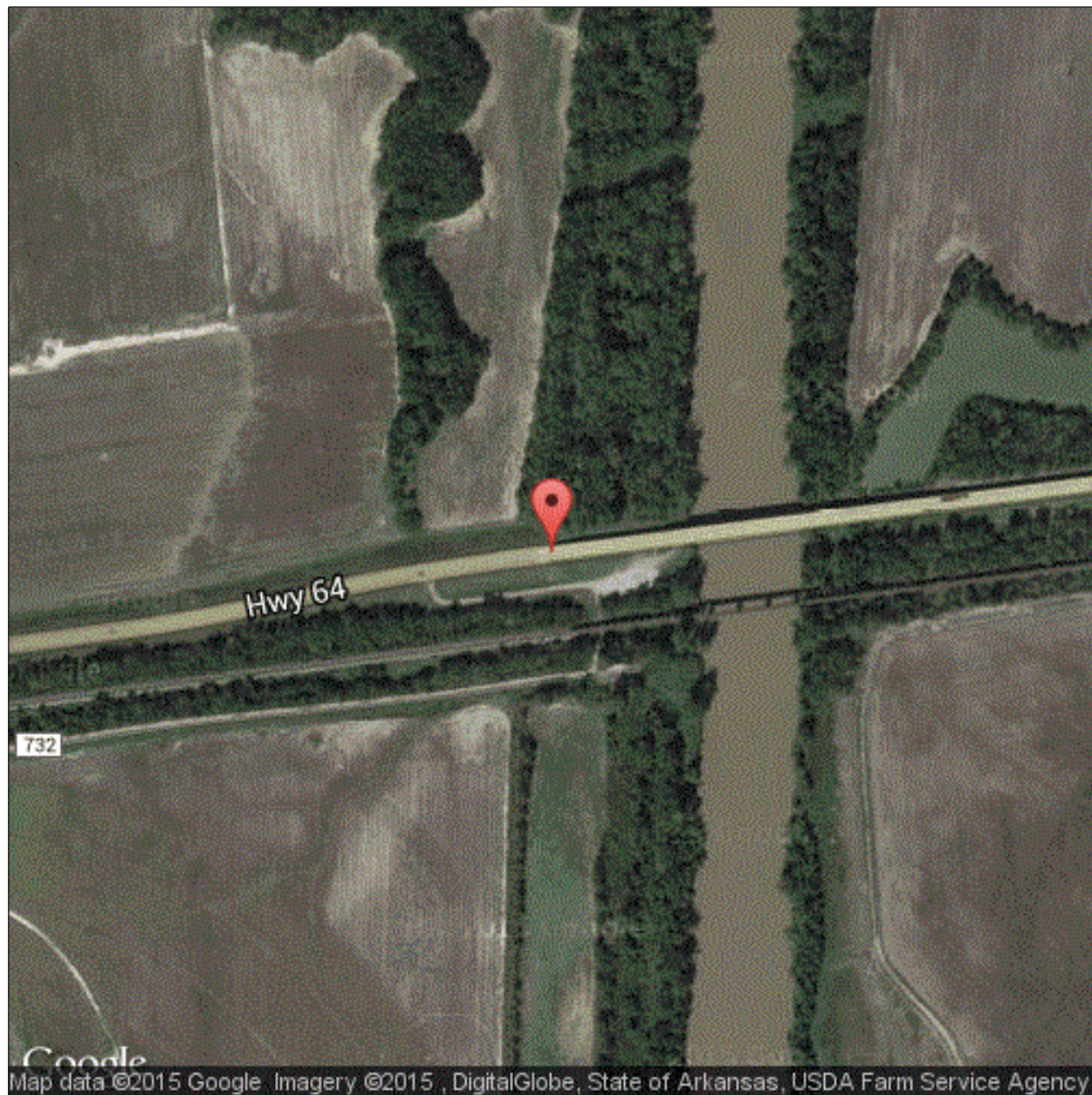
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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/03/2015
(8) STRUCTURE NUMBER	06665	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 64 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01 (3) COUNTY CODE 037	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	ST FRANCIS BAYOU	C. OTHER SPECIAL	Y 48 09/03/2015
(7) FACILITY CARRIED	US64/Sec-16/L-7.04		
(9) LOCATION	2 MI E SH 163		
(11) MILEPOINT 7.038	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000064160 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.260281	(17) LONGITUDE -90.682175		
(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	8 (60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous			
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder			
(45) NUMBER OF SPANS IN MAIN 9	(46) NUMBER OF APPROACH 17		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1998	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	54.0
(29) AVERAGE DAILY TRAFFIC 4700	(19) BYPASS DETOUR LENGTH 32	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	32.0
(109) AVERAGE DAILY TRUCK TRAFFIC 19		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 64	(49) STRUCTURE LENGTH (ft.) 1705	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.4 RIGHT 1.4		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	6
(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.) 41.7		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 0		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 86.4
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	06
(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 5410	(115) YEAR OF FUTURE ADT 2028	(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	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

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	73046	sq. ft.	56162	16882	2	0
1080 - Delamination/Spall/Patched Area		2		0	0	2	0
1120 - Efflorescence/Rust Staining		2273		0	2273	0	0
1130 - Cracking (RC and Other)		14609		0	14609	0	0
107 - Steel Open Girder/Beam	1- Ben.	8525	ft.	8525	0	0	0
515 - Steel Protective Coating		73826	sq. ft.	73826	0	0	0
205 - Reinforced Concrete Column	1- Ben.	10	each	10	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	124	ft.	99	25	0	0
1120 - Efflorescence/Rust Staining		25		0	25	0	0
225 - Steel Pile	1- Ben.	90	each	90	0	0	0
515 - Steel Protective Coating		2261	sq. ft.	2261	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	742	ft.	650	92	0	0
1130 - Cracking (RC and Other)		92		0	92	0	0
300 - Strip Seal Expansion Joint	1- Ben.	257	ft.	257	0	0	0
515 - Steel Protective Coating		513	sq. ft.	513	0	0	0
302 - Compression Joint Seal	1- Ben.	86	ft.	86	0	0	0
515 - Steel Protective Coating		258	sq. ft.	258	0	0	0
310 - Elastomeric Bearing	1- Ben.	135	each	135	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	1460	sq. ft.	1412	48	0	0
1130 - Cracking (RC and Other)		48		0	48	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	3414	ft.	3412	0	2	0
1080 - Delamination/Spall/Patched Area		2		0	0	2	0

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Element Inspection

Spans 1-7 and Spans 11-26

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	57566	sq. ft.	44258	13306	2	0
ALL SPANS HAVE AREAS OF OPEN TRANSVERSE AND LONGITUDINAL CRACKS, SPACED GREATER THAN 5'. THE SOFFIT OVERHANGS HAVE TRANSVERSE CRACKS WITH MODERATE EFFLORESCENCE. CRACKS ARE SPACED 3' +/-. Span 3 deck left lane at bent 4 two foot long crack / delam.							
1080 - Delamination/Spall/Patched Area		2				2	
1120 - Efflorescence/Rust Staining		1793			1793		
1130 - Cracking (RC and Other)		11513			11513		
107 - Steel Open Girder/Beam	1- Ben.	6725	ft.	6725			
CONCRETE DIAPHRAGMS BETWEEN GIRDERS AT BENTS HAVE HAIRLINE VERTICAL CRACKS.							
515 - Steel Protective Coating		49832	sq. ft.	49832			
205 - Reinforced Concrete Column	1- Ben.	2	each	2			
215 - Reinforced Concrete Abutment	1- Ben.	124	ft.	99	25		0
Abutment back walls have vertical hairline cracks with light efflorescence space every 5'.							
1120 - Efflorescence/Rust Staining		25			25		
225 - Steel Pile	1- Ben.	90	each	90			
515 - Steel Protective Coating		2261	sq. ft.	2261			
234 - Reinforced Concrete Pier Cap	1- Ben.	585	ft.	501	84		0
ALL CAPS HAVE CRACKS AT CONCRETE LONGITUDINAL RESTRAINER EXTENDING FROM CORNER DOWN INTO CAP BETWEEN GIRDER #1 & 2, 4 & 5.							
1130 - Cracking (RC and Other)		84			84		
300 - Strip Seal Expansion Joint	1- Ben.	171	ft.	171			
515 - Steel Protective Coating		513	sq. ft.	513			
302 - Compression Joint Seal	1- Ben.	86	ft.	86			
515 - Steel Protective Coating		258	sq. ft.	258			
310 - Elastomeric Bearing	1- Ben.	115	each	115			
321 - Reinforced Concrete Approach Slab	1- Ben.	1460	sq. ft.	1412	48		0
Approach slabs have one transverse crack each 1/8" wide.							
1130 - Cracking (RC and Other)		48			48		
331 - Reinforced Concrete Bridge Railing	1- Ben.	2694	ft.	2692		2	0
ABUTMENT #1 & 2 LEFT & RIGHT SIDE PARAPET WALL AT APPROACH SLAB HAS 3' SPALLING AT BOTTOM EACH. CONCRETE RAIL IN SPAN #7 RIGHT SIDE HAS 2' SPALL AT TOP WITH NO REBAR EXPOSED NEAR BENT #8.							
1080 - Delamination/Spall/Patched Area		2				2	

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Element Inspection

Spans 8-10

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	15480	sq. ft.	11904	3576		0
	ALL SPANS HAVE AREAS OF OPEN TRANSVERSE AND LONGITUDINAL CRACKS, SPACED GREATER THAN 5'. THE SOFFIT OVERHANGS HAVE TRANSVERSE CRACKS WITH MODERATE EFFLORESCENCE. CRACKS ARE SPACED 3' +/-						
1120 - Efflorescence/Rust Staining		480			480		
1130 - Cracking (RC and Other)		3096			3096		
107 - Steel Open Girder/Beam	1- Ben.	1800	ft.	1800			
	CONCRETE DIAPHRAGMS BETWEEN GIRDERS AT BENTS HAVE HAIRLINE VERTICAL CRACKS.						
515 - Steel Protective Coating		23994	sq. ft.	23994			
205 - Reinforced Concrete Column	1- Ben.	8	each	8			
234 - Reinforced Concrete Pier Cap	1- Ben.	157	ft.	149	8		0
	ALL CAPS HAVE CRACKS AT CONCRETE LONGITUDINAL RESTRAINER EXTENDING FROM CORNER DOWN INTO CAP BETWEEN GIRDER #1 & 2, 4 & 5.						
1130 - Cracking (RC and Other)		8			8		
300 - Strip Seal Expansion Joint	1- Ben.	86	ft.	86			
310 - Elastomeric Bearing	1- Ben.	20	each	20			
	Bent 8 span 9 bearing pads all girders are expanded towards abutment 1.						
331 - Reinforced Concrete Bridge Railing	1- Ben.	720	ft.	720			

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Maintenance Needs

Date Reported: 9/16/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

DECK ALL SPANS HAVE OPEN TRANSVERSE AND LONGITUDINAL CRACKS.
Span 3 deck left lane at bent 4 two foot long crack / delam.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor

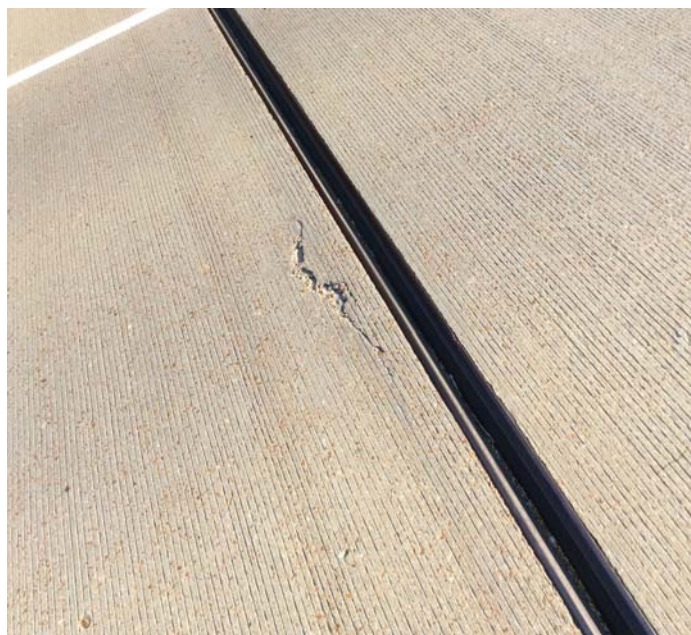


PHOTO 1 Description Span 3 deck left lane at bent 4 two foot long crack / delam.

Stage: Monitor



PHOTO 2 Description Typical deck cracks.

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Maintenance Needs

Date Reported: 9/16/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

BENTS #4, 6, 17, 19, 18, & 22

SP. #10 BT. #11 RT SIDE

THESE BENTS HAVE VEGETATION GROWING UP PILING.

TREE GROWING BESIDE SP. #10 BT. #11 RIGHT SIDE OF BRIDGE.

Small trees and vegetation growing under spans 11-26.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 4 vegetation.

Stage: Monitor



PHOTO 2 Description Vegetation bent 6

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Maintenance Needs

Stage: Monitor



PHOTO 3 Description Tree growing beside bridge right side span 10 near bent 11.

Stage: Monitor



PHOTO 5 Description Bent 17 vegetation.

Stage: Monitor



PHOTO 4 Description Small trees and vegetation growing under spans 11-26.

Stage: Monitor



PHOTO 6 Description Bent 18, 19 vegetation.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 9/16/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

BENT #9 SMALL DRIFT

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 9 small drift.