

Bridge Inspection Report

06318
US 270 BYPASS
over
US 70B Log 0.04



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

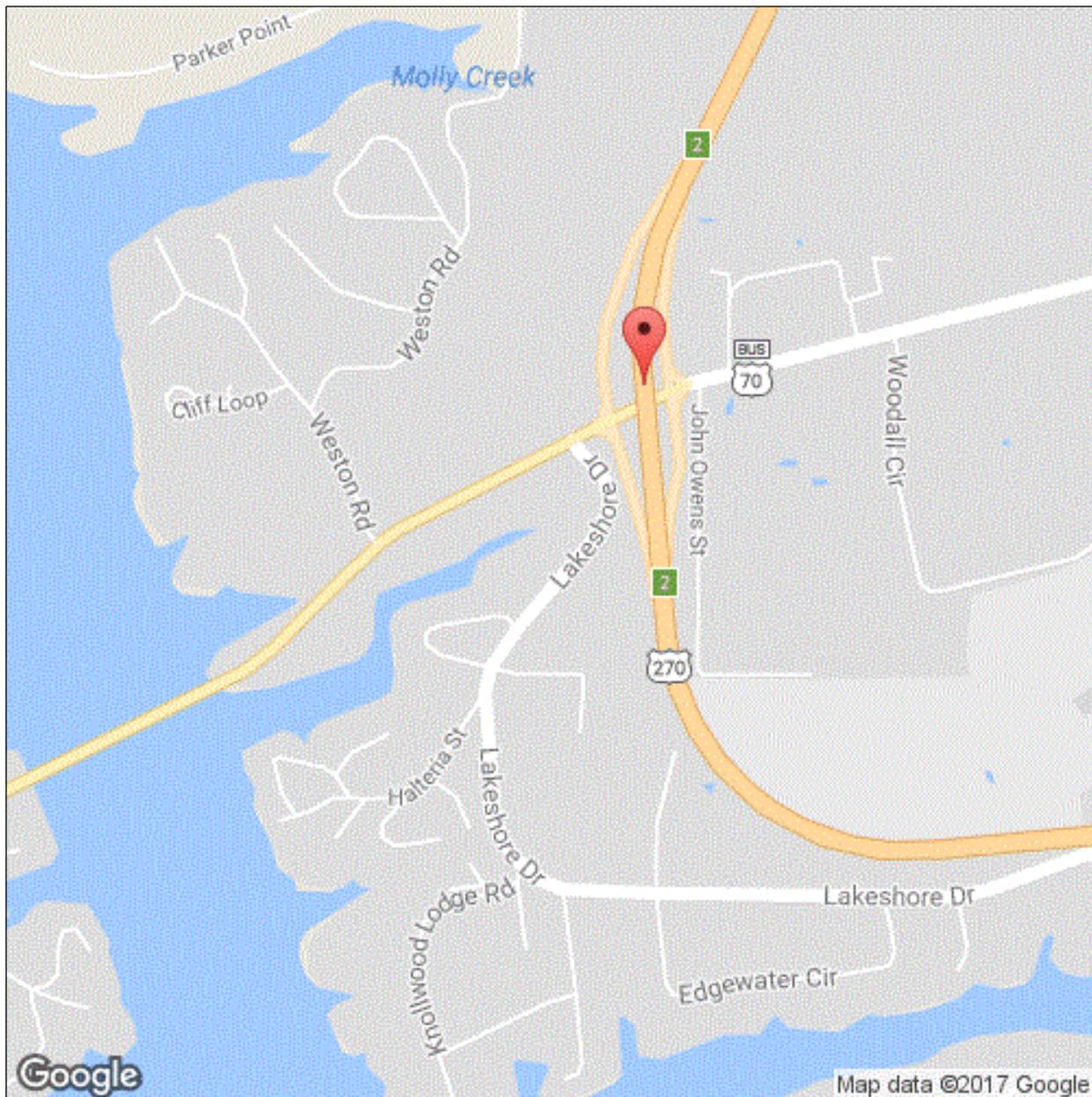
Structure Number: 06318

Inspection Date:

Facility Carried: US 270 BYPASS

Bridge Inspection Report

Location Map



Latitude: 34.478161

Longitude: -93.114967

Inspector:

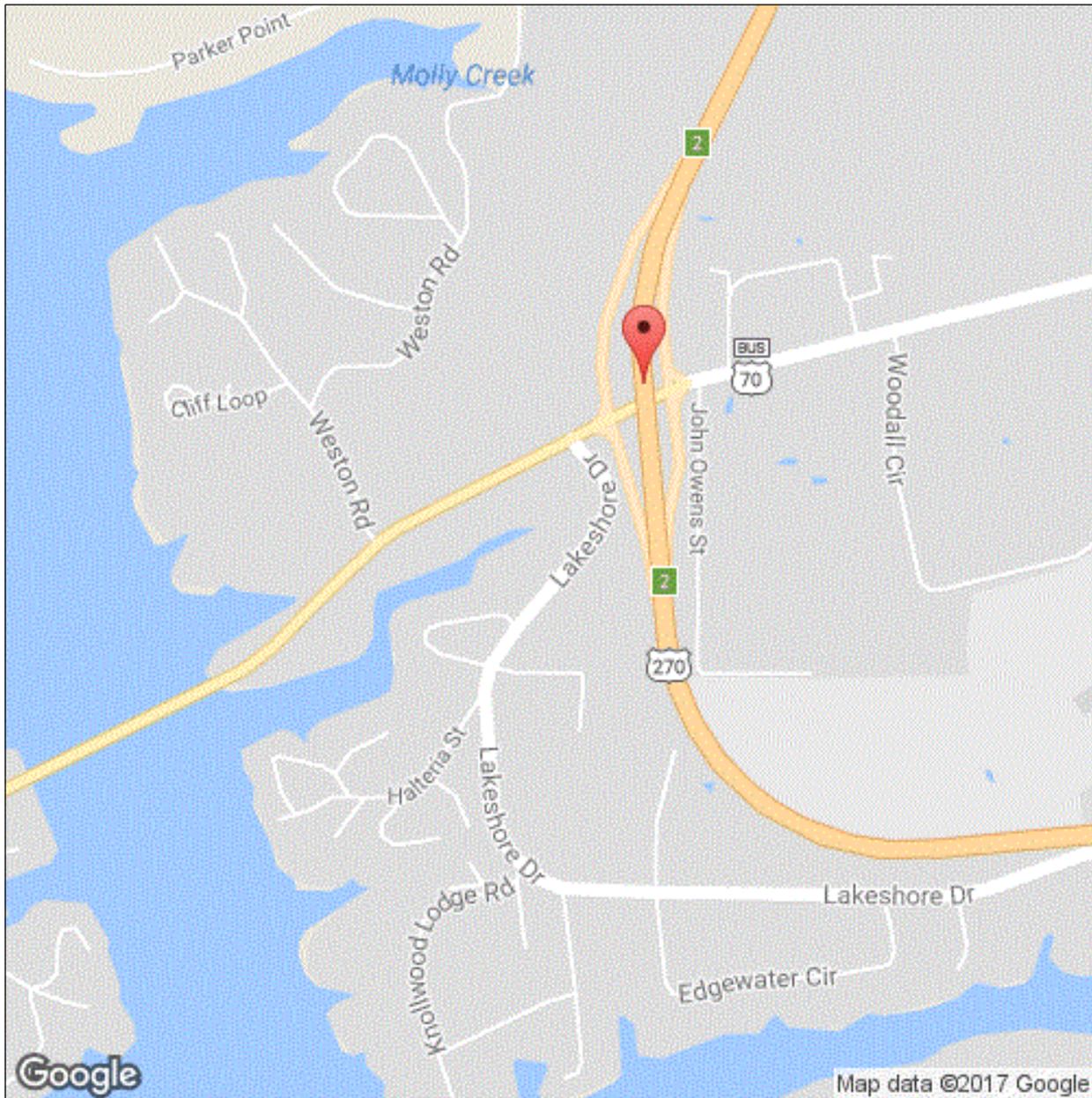
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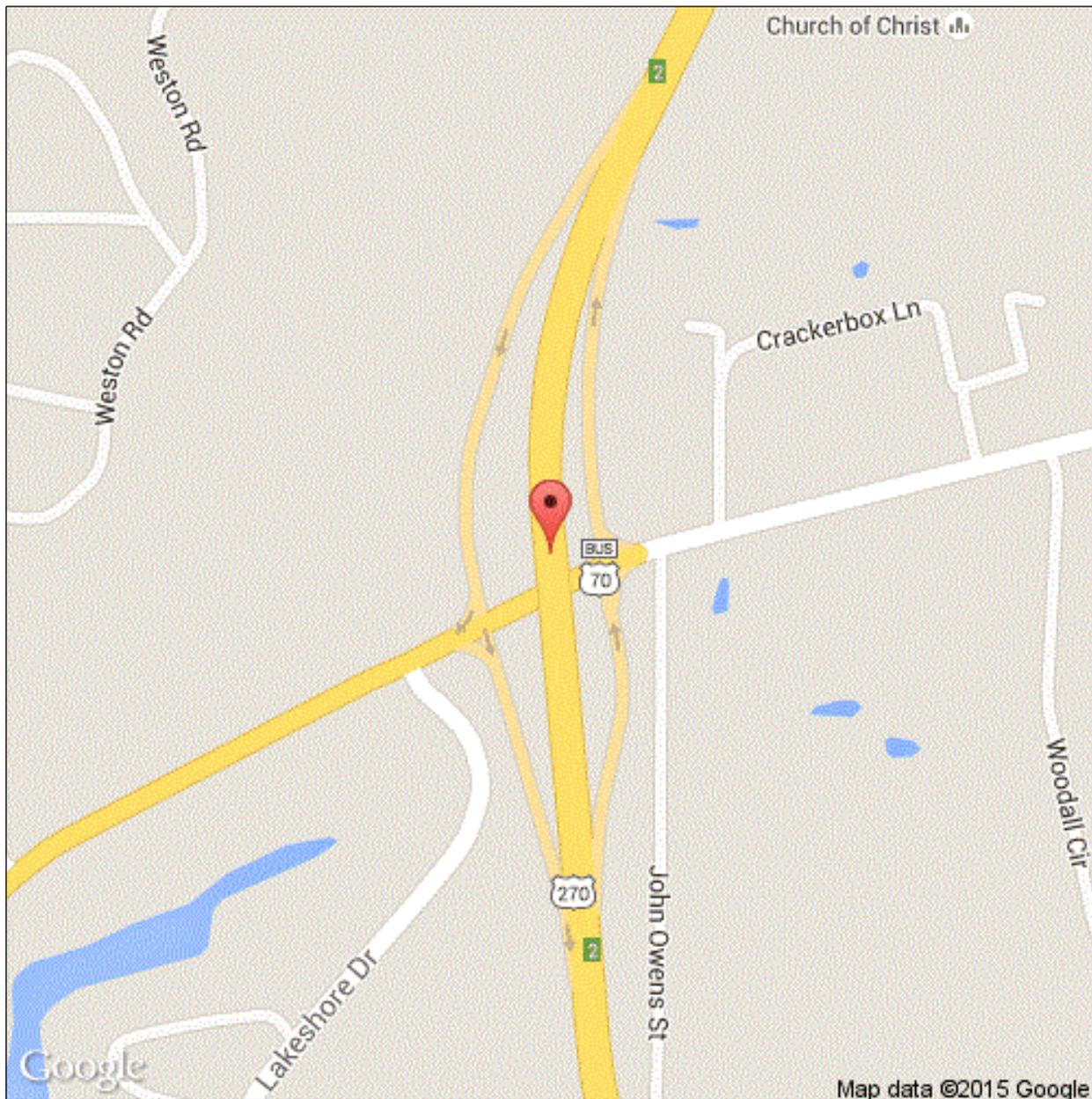
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Executive Summary

job 60079 dwg 30164.approach going east.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/12/2017
(8) STRUCTURE NUMBER	06318	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 3 270 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 051	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	32540	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	US 70B Log 0.04	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 270 BYPASS	CONDITION	
(9) LOCATION	JCT US 270,70	(58) DECK	7
(11) MILEPOINT 19.176	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE	0000270050 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(16) LATITUDE 34.478161	(17) LONGITUDE -93.114967	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	7
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	9
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	N
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1990 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 1	36A) BRIDGE RAILINGS:	1
(28) LANES	ON 04 UNDER 05	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	24000 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	N
GEOMETRIC DATA		SUFFICIENCY RATING	98.0 STATUS 0
(48) LENGTH OF MAX SPAN (ft.)	92 (49) STRUCTURE LENGTH (ft.)	186	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	80.1	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	84.8	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(32) APPROACH ROADWAY WIDTH (ft.)	80.1	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	12
(33) BRIDGE MEDIAN	3 (34) SKEW (DEG.)	(100) STRAHNET HIGHWAY DESIGNATION	0
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.3	(102) DIRECTION OF TRAFFIC	2
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(103) TEMP STRUCTURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	H 17.33	(105) FEDERAL LANDS HIGHWAYS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 13	(110) DESIGNATED NATIONAL NETWORK	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	12.8	(20) TOLL	3
PROPOSED IMPROVEMENTS		(21) MAINTENANCE RESPONSIBILITY	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	0000	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	51262 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	15524	sq. ft.	14674	850	0	0
Deck has unsealed cracks.							
1130 - Cracking (RC and Other)		850		0	850	0	0
107 - Steel Open Girder/Beam	1- Ben.	2013	ft.	2013	0	0	0
All beams have chalking paint and scattered areas of freckling rust							
515 - Steel Protective Coating		17781	sq. ft.	0	17781	0	0
3410 - Chalking (Steel Protective Coatings)		17531		0	17531	0	0
3440 - Effectiveness (Steel Protective Coatings)		250		0	250	0	0
205 - Reinforced Concrete Column	1- Ben.	8	each	7	1	0	0
1130 - Cracking (RC and Other)		1		0	1	0	0
215 - Reinforced Concrete Abutment	1- Ben.	180	ft.	143	37	0	0
Small cracks with efflorescence							
1120 - Efflorescence/Rust Staining		6		0	6	0	0
1130 - Cracking (RC and Other)		31		0	31	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	178	ft.	170	8	0	0
1130 - Cracking (RC and Other)		8		0	8	0	0
302 - Compression Joint Seal	1- Ben.	350	ft.	130	200	20	0
All Joint seals are leaking. At Bent 3 20 foot of joint seal has fallen							
2310 - Leakage		200		0	200	0	0
2320 - Seal Adhesion		20		0	0	20	0
311 - Movable Bearing	1- Ben.	33	each	0	33	0	0
All bearings have slight surface rust.							
313 - Fixed Bearing	1- Ben.	33	each	0	33	0	0
All bearings have slight surface rust.							
331 - Reinforced Concrete Bridge Railing	1- Ben.	558	ft.	501	57	0	0
1130 - Cracking (RC and Other)		57		0	57	0	0

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Pictures

PHOTO 1

Description

PHOTO 1

Description

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Bridge Inspection Report

Pictures

PHOTO 2

Description

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 07/28/2015

Priority: C - Important

Work Code:

Deficiency Description:

20 feet of joint seal has fallen out over bent 3 eastbound lanes. And all other joint seals are leaking causing debris to build up around bearing areas.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor

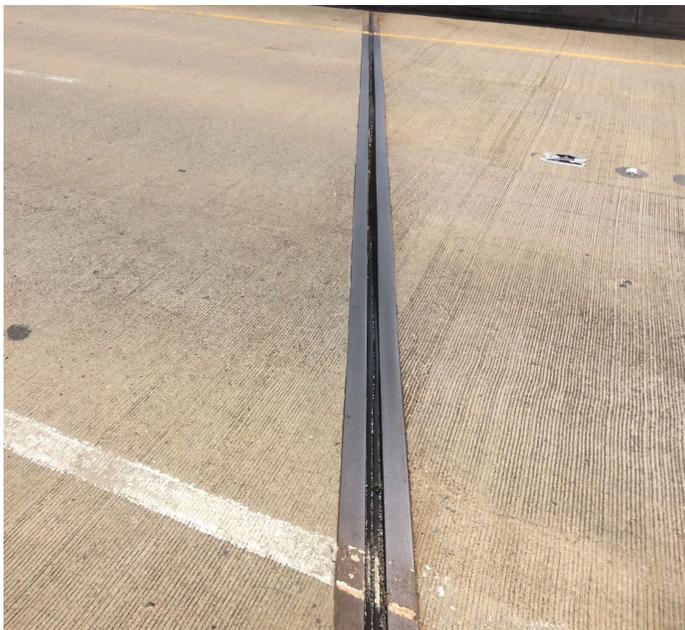


PHOTO 1 Description 20' of joint seal in eastbound lane at bent 3 has fallen out.

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Maintenance Needs

Date Reported: 07/28/2015

Priority: C - Important

Work Code:

Deficiency Description:

Deck has unsealed cracks.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Deck cracks