

Bridge Inspection Report

06369
US 270-5 Log 22.16
over
SH 88-4 log 1.51



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

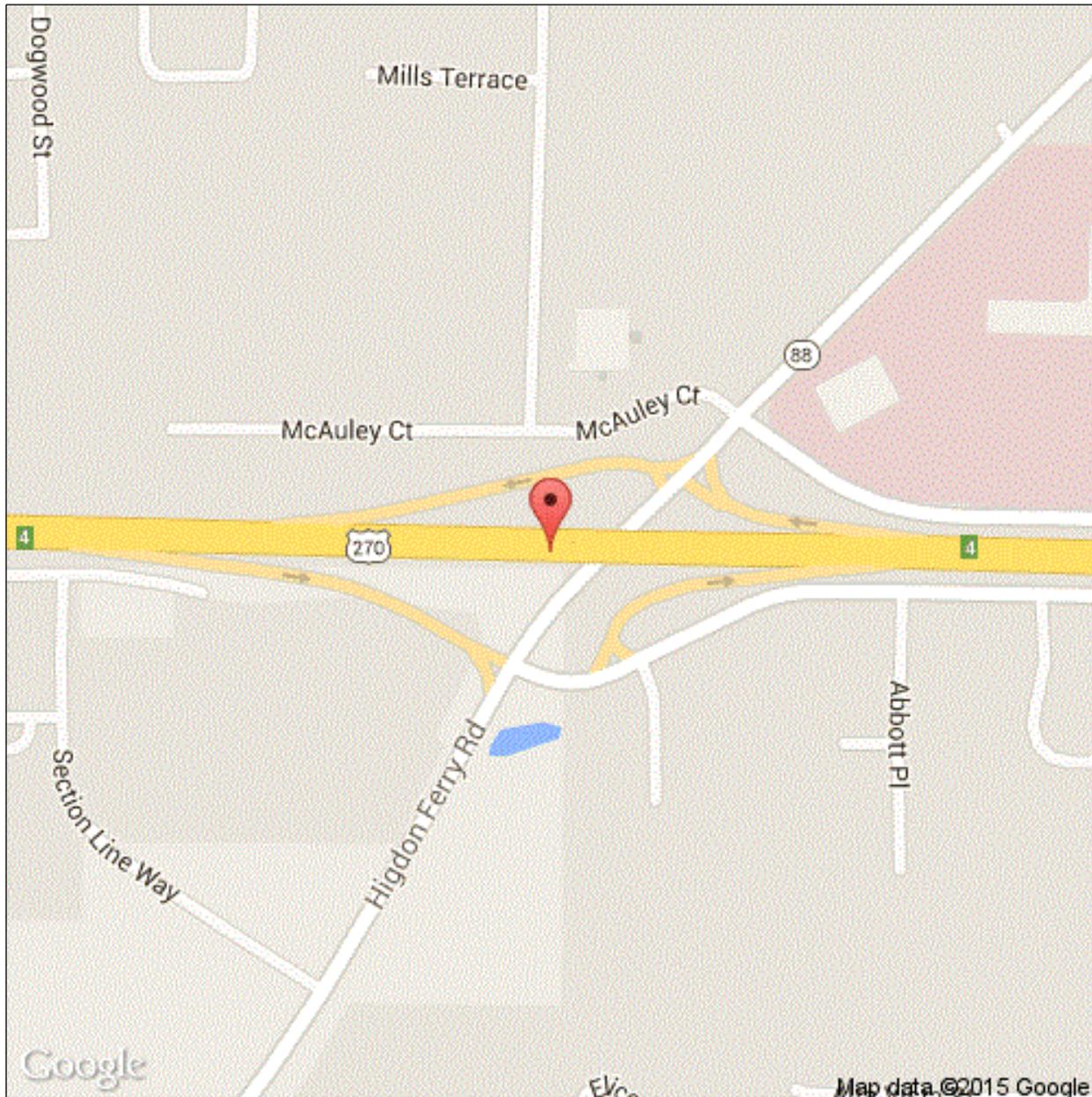
Structure Number: 06369

Inspection Date:

Facility Carried: US 270-5 Log 22.16

Bridge Inspection Report

Location Map



Latitude: 34.46579643910253

Longitude: -93.07276800462932

Inspector:

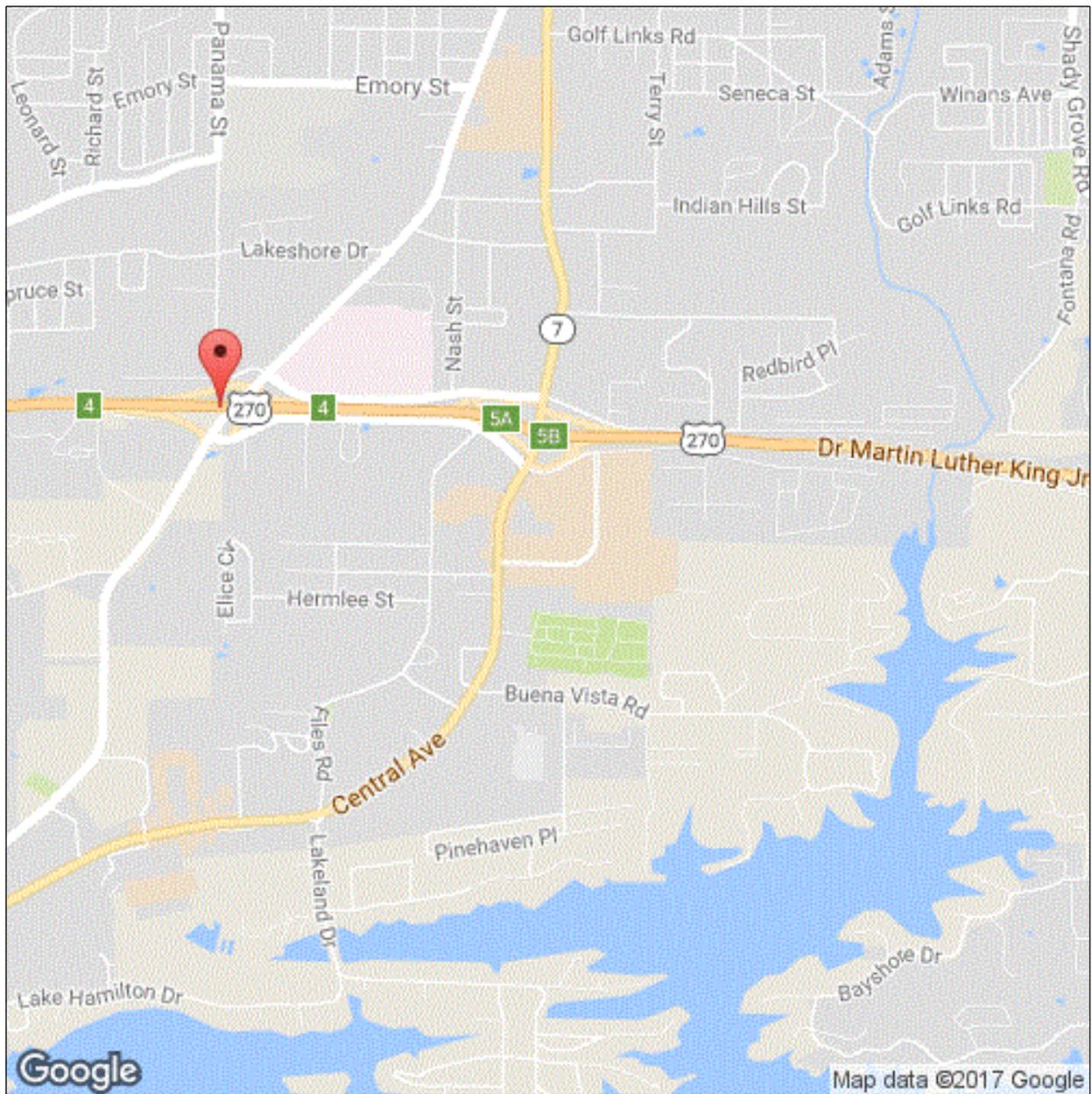
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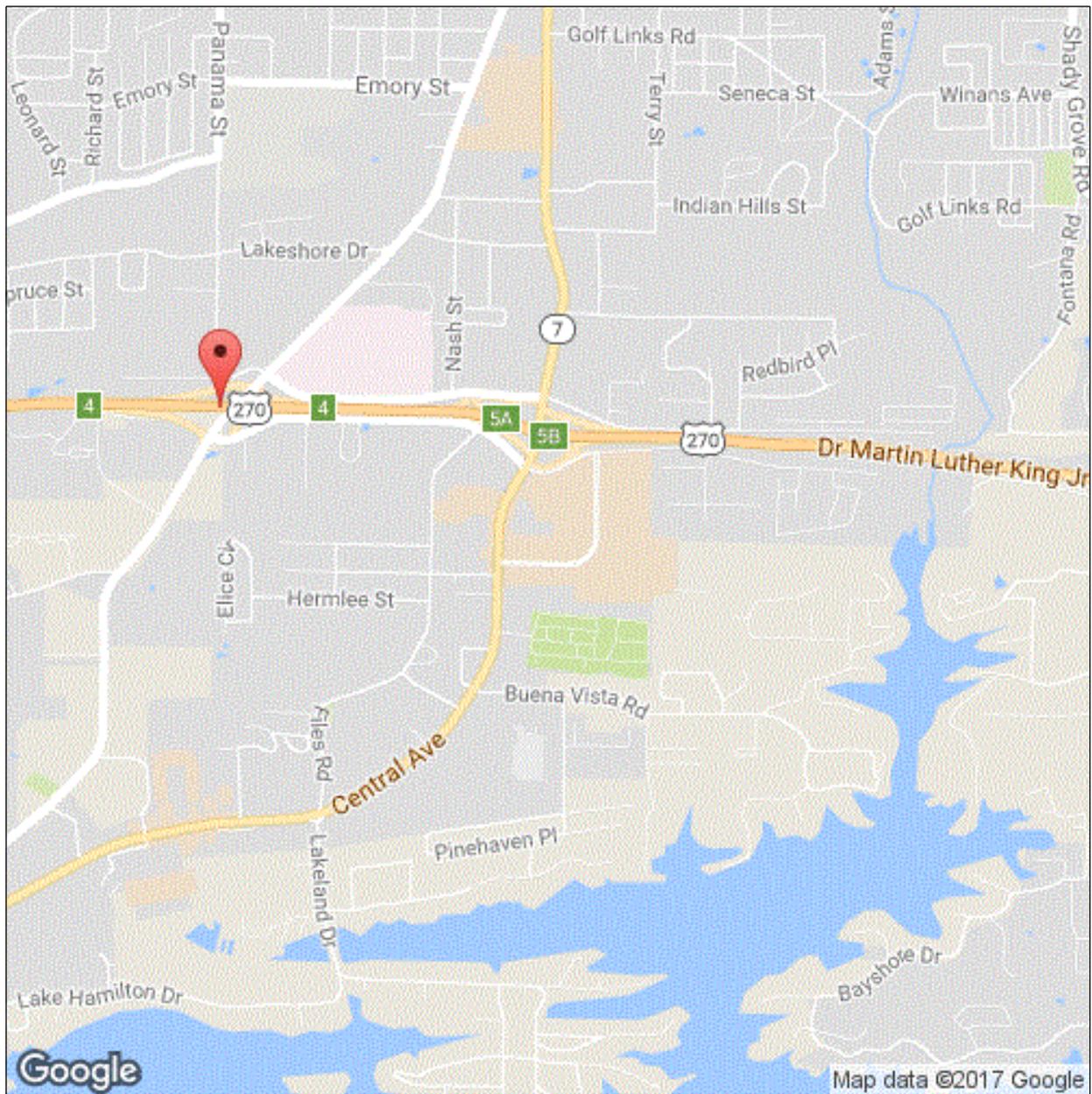
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Executive Summary

Approach looking East

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/12/2017
(8) STRUCTURE NUMBER	06369	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 270 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	SH 88-4 log 1.51	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 270-5 Log 22.16	CONDITION	
(9) LOCATION	.75 MI WEST SH 7	(58) DECK	7
(11) MILEPOINT 22.160	(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 34.46579643910253	(17) LONGITUDE -93.07276800462932	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	55
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(66) INVENTORY RATING	33
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
	1	(72) APPROACH ROADWAY ALIGNMENT	8
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1992 (106) YEAR RECONSTRUCTED	36A) BRIDGE RAILINGS:	1
(42) TYPE OF SERVICE	ON 1 UNDER 1	36B) TRANSITIONS:	0
(28) LANES	ON 04 UNDER 05	36C) APPROACH GUARDRAIL:	0
(29) AVERAGE DAILY TRAFFIC	36000 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	N
(109) AVERAGE DAILY TRUCK TRAFFIC	1	SUFFICIENCY RATING	93.3 STATUS 0
GEOMETRIC DATA		CLASSIFICATION	
(48) LENGTH OF MAX SPAN (ft.)	120 (49) STRUCTURE LENGTH (ft.)	(112) NBIS BRIDGE LENGTH	Y
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	80.1	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(52) DECK WIDTH, OUT-TO-OUT (ft.)	84.8	(100) STRAHNET HIGHWAY DESIGNATION	0
(32) APPROACH ROADWAY WIDTH (ft.)	80.1	(101) PARALLEL STRUCTURE DESIGNATION	N
(33) BRIDGE MEDIAN	3 (34) SKEW (DEG.)	(102) DIRECTION OF TRAFFIC	2
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(103) TEMP STRUCTURE	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.7	(105) FEDERAL LANDS HIGHWAYS	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(110) DESIGNATED NATIONAL NETWORK	1
(54) VERTICAL UNDER CLEARANCE (ft.)	H 15.75	(20) TOLL	3
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 13.8	(21) MAINTENANCE RESPONSIBILITY	01
(56) MIN LATERAL UNDER CLEARANCE (ft.)	11.9	(22) OWNER	01
PROPOSED IMPROVEMENTS		(37) HISTORICAL	5
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	NAVIGATION DATA	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(38) NAVIGATION CONTROL	N
(94) BRIDGE IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(95) ROADWAY IMPROVEMENT COST (\$)	0	(39) NAV VERT CLEARANCE (ft.)	0
(96) TOTAL PROJECT COST	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	0000	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(114) FUTURE ADT	33518 (115) YEAR OF FUTURE ADT		2027

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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.	23752	sq. ft.	18339	2043	3370	0
Deck has large unsealed cracks up to 0.060"							

1130 - Cracking (RC and Other)		5413		0	2043	3370	0
107 - Steel Open Girder/Beam	1- Ben.	3080	ft.	2780	300	0	0
All beams are chalky with scattered areas of freckling rust.							

1000 - Corrosion		300		0	300	0	0
515 - Steel Protective Coating		30800	sq. ft.	0	30500	300	0
3410 - Chalking (Steel Protective Coatings)		30500		0	30500	0	0
3440 - Effectiveness (Steel Protective Coatings)		300		0	0	300	0
205 - Reinforced Concrete Column	1- Ben.	10	each	10	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	240	ft.	202	38	0	0
1130 - Cracking (RC and Other)		38		0	38	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	240	ft.	224	16	0	0
1130 - Cracking (RC and Other)		16		0	16	0	0
301 - Pourable Joint Seal	1- Ben.	246	ft.	0	246	0	0
All joint seals are leaking							

2310 - Leakage		246		0	246	0	0
310 - Elastomeric Bearing	1- Ben.	44	each	44	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	850	ft.	730	120	0	0
1130 - Cracking (RC and Other)		120		0	120	0	0

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Pictures

PHOTO 1

Description

PHOTO 1

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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: 07/13/2015

Priority: C - Important

Work Code:

Deficiency Description:

Deck on all Spans has large Unsealed transverse and diagonal (perpendicular to skew) cracks. Some up to .060 inch.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor

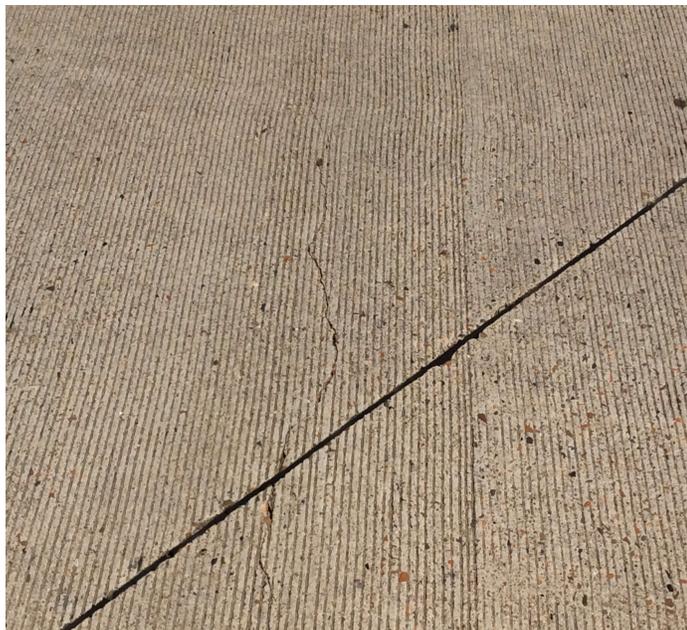


PHOTO 1 Description Deck has large unsealed cracks.

Stage: Monitor



PHOTO 2 Description Span 1 large unsealed cracks up to 0.060".

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Maintenance Needs

Date Reported: 07/13/2015

Priority: C - Important

Work Code:

Deficiency Description:

Corrosion on upper and lower flanges and on splice plates.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 07/13/2015

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

All Structural Steel has surface rust beginning to form on flanges. All paint system is chalking.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 07/13/2015

Priority: C - Important

Work Code:

Deficiency Description:

Eastbound lanes at abutment 1 And westbound lanes at abutment 2 has settled.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assign to Garland County 06261 09/28/2015

Stage: Open



PHOTO 1 Description Approach roadway at abutment 1 has sett