

# 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:

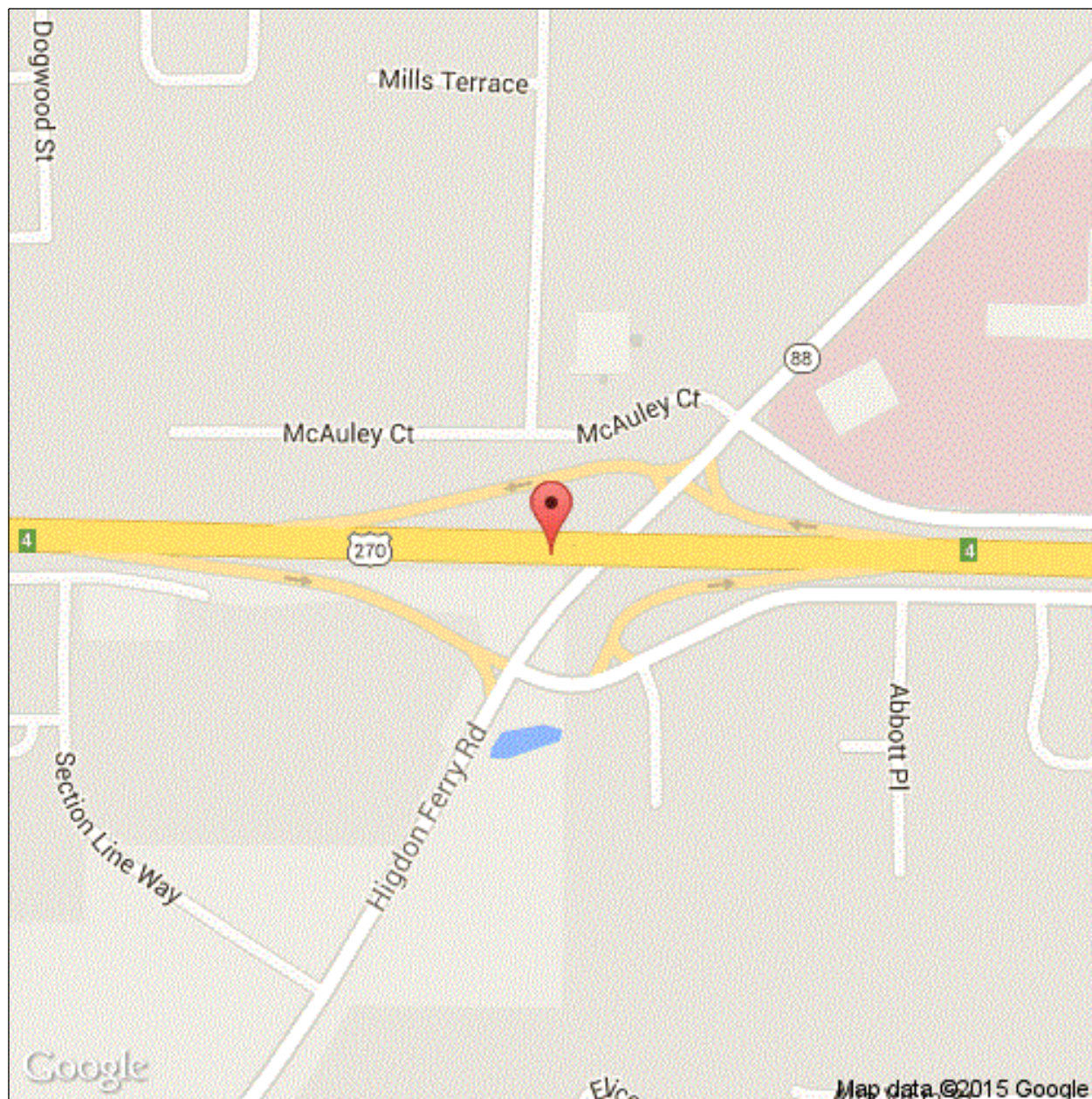
Structure Number: 06369

Inspection Date:

Facility Carried: US 270-5 Log 22.16

## Bridge Inspection Report

### Location Map



Latitude: 34.46579643910253

Longitude: -93.07276800462932



Inspector:

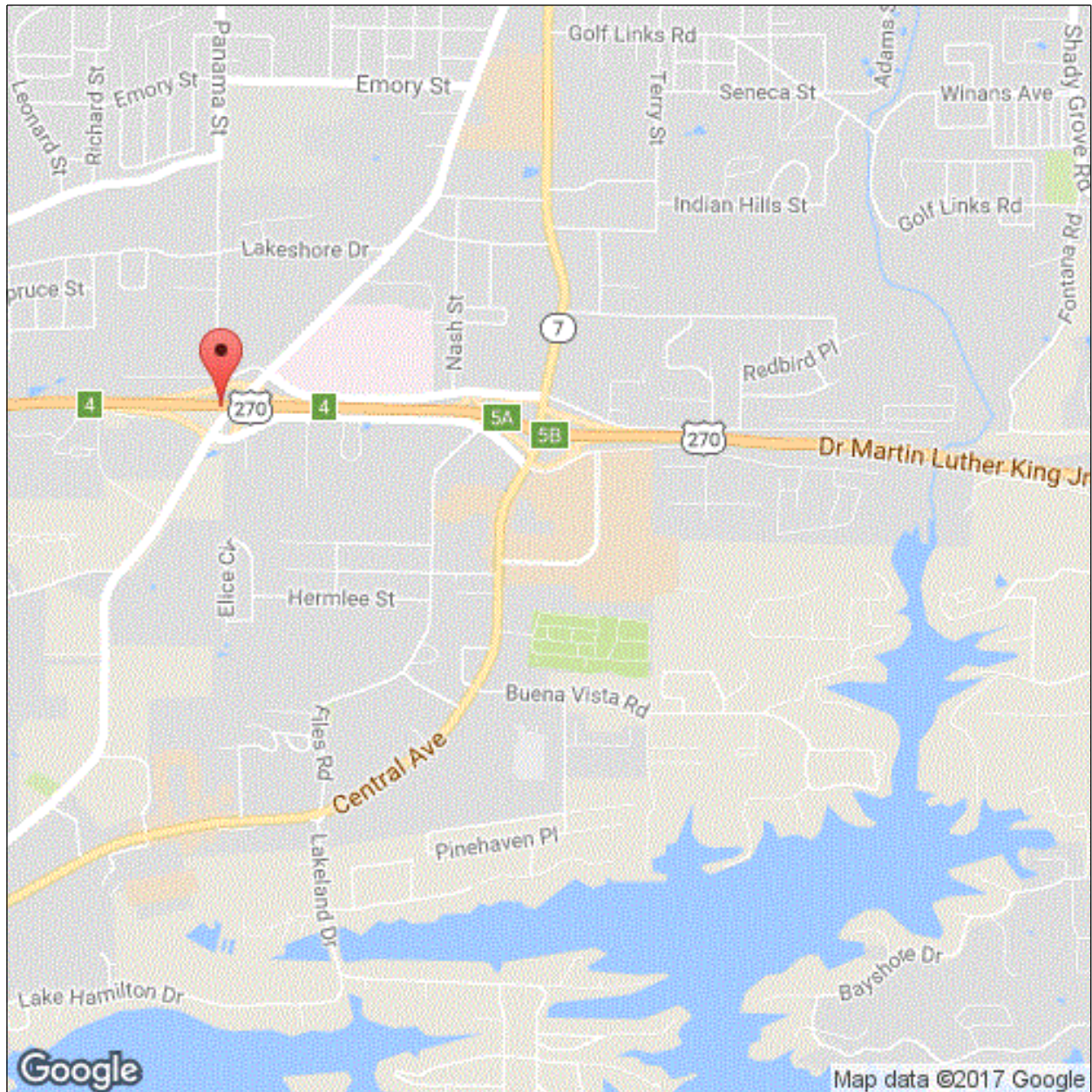
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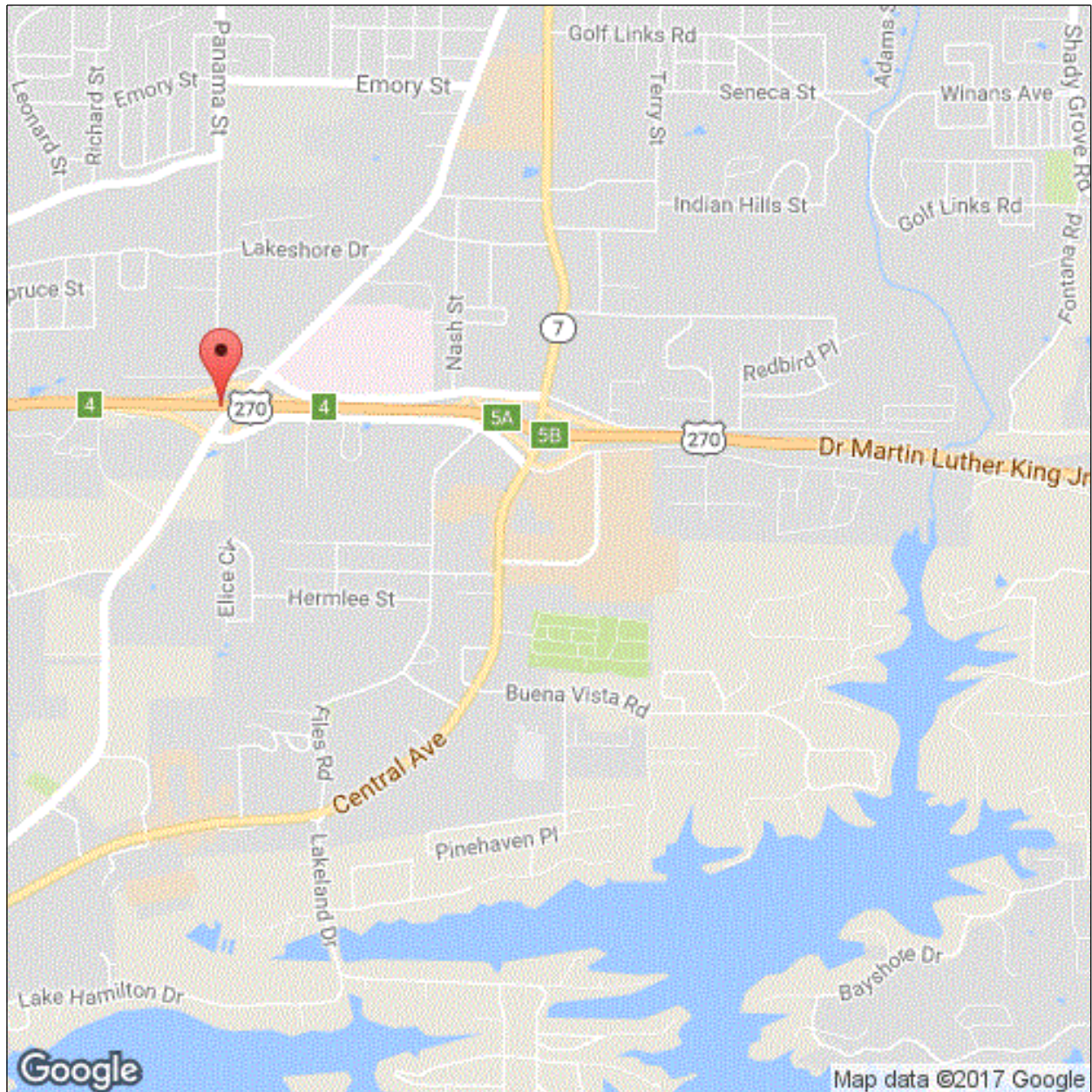
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## Bridge Inspection Report

### 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		
(9) LOCATION	.75 MI WEST SH 7		
(11) MILEPOINT 22.160	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000270050 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.46579643910253	(17) LONGITUDE -93.07276800462932		
(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	N
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 0		
(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 1992	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 04 UNDER 05		(64) OPERATING RATING	55
(29) AVERAGE DAILY TRAFFIC 36000	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	33
(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.) 120	(49) STRUCTURE LENGTH (ft.) 283	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	9
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 80.1		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(52) DECK WIDTH, OUT-TO-OUT (ft.) 84.8		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 80.1		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 3	(34) SKEW (DEG.) 45	(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:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) H 15.75		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 13.8		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 11.9		SUFFICIENCY RATING	93.3
		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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(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	0000	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 33518	(115) YEAR OF FUTURE ADT 2027	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(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

	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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## Bridge Inspection Report

### Pictures

PHOTO 1

Description

PHOTO 1

Description

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## Bridge Inspection Report

### Pictures

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 06369

Facility Carried: US 270-5 Log 22.16

## Bridge Inspection Report

Sketches



Inspector:

Structure Number: 06369

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Date Reported: 07/13/2015

Priority: C - Important

Work Code:

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#### Deficiency Description:

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

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Monitor

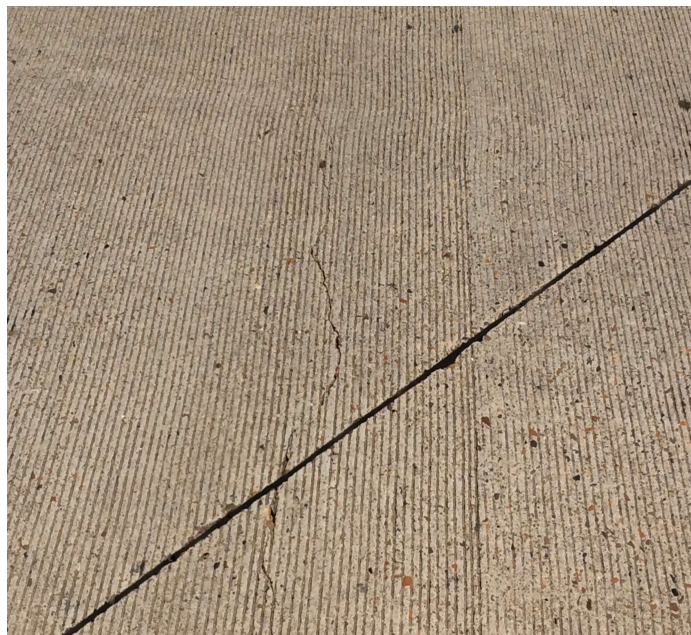


PHOTO 1      Description      Deck has large unsealed cracks.

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:

---

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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:

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Date Repairs Completed:

Maintenance Comments:

Assign to Garland County 06261 09/28/2015

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Stage: Open



PHOTO 1      Description      Approach roadway at abutment 1 has sett