

Bridge Inspection Report

05449

SH 367 Sec16 WHITE

over

US 67-SEC 12



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

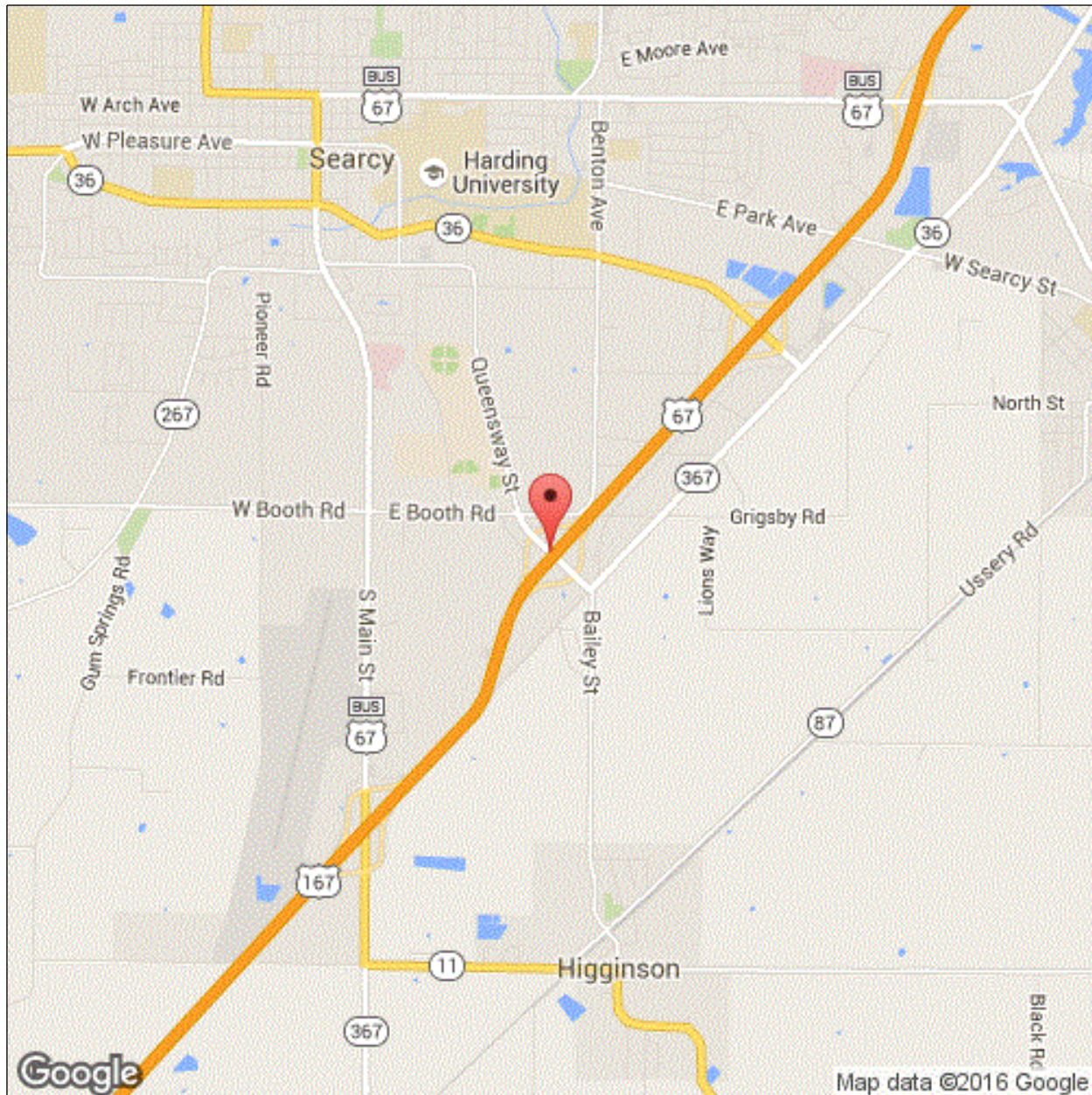
Structure Number: 05449

Inspection Date:

Facility Carried: SH 367 Sec16 WHITE

Bridge Inspection Report

Location Map



Latitude: 35.22100

Longitude: -91.71737

Inspector:

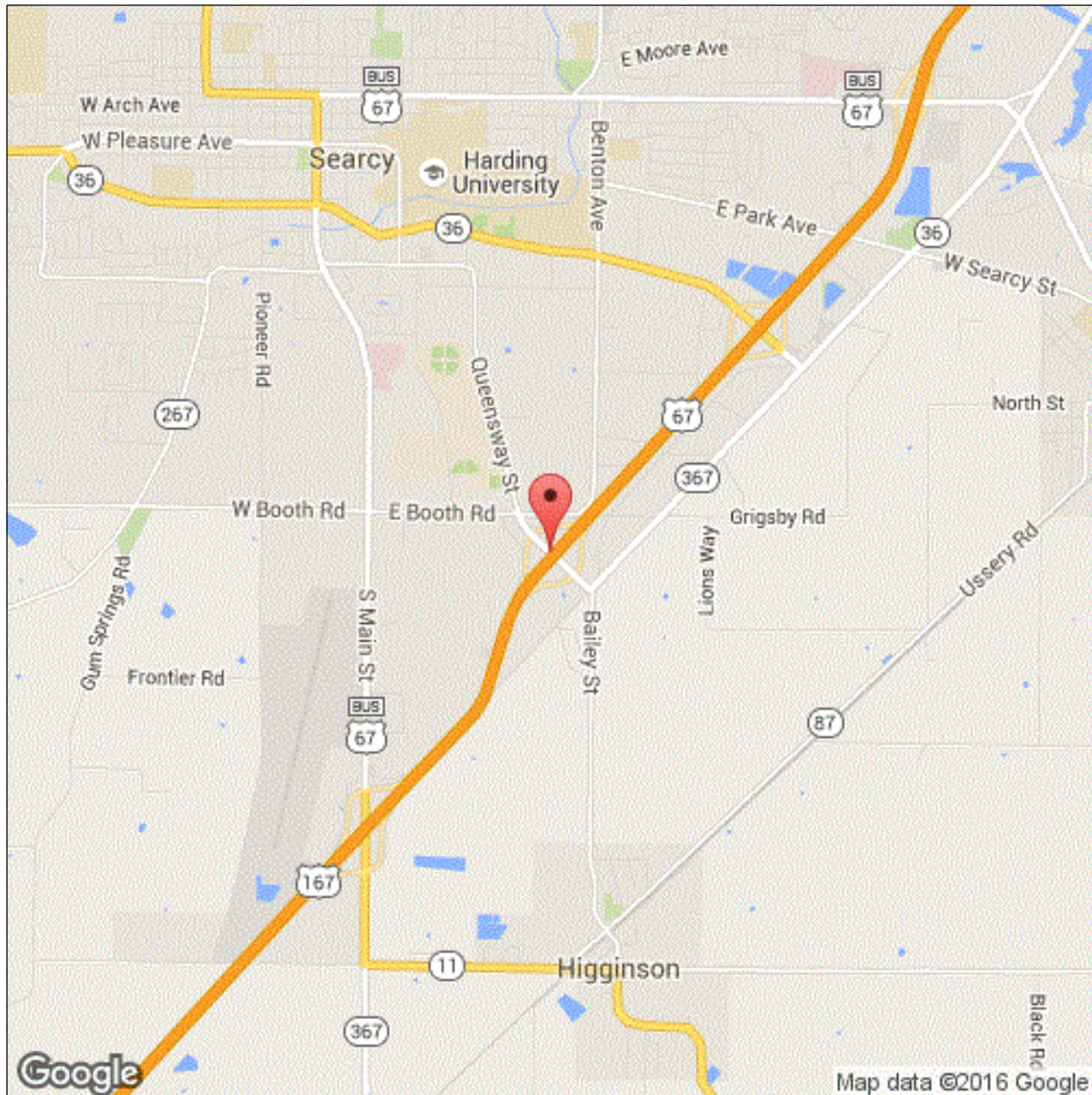
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Location Map



Latitude: 35.22100

Longitude: -91.71737

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Bridge Inspection Report

Executive Summary

Log Mile looking Southeast.
Job No. 5619

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/20/2018
(8) STRUCTURE NUMBER	05449	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	US 67-SEC 12	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 Sec16 WHITE		
(9) LOCATION	JCT US 67 & SH 367		
(11) MILEPOINT 0.860	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.22100	(17) LONGITUDE -91.71737		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 05 - Box Beam or Girders - Multiple		(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	2 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1975 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE	ON 6 UNDER 1	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 02 UNDER 04	(64) OPERATING RATING	59
(29) AVERAGE DAILY TRAFFIC	8000 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	35
(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.)	103 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.5 RIGHT 0.5	(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	43.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(52) DECK WIDTH, OUT-TO-OUT (ft.)	46	(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(72) APPROACH ROADWAY ALIGNMENT	8
(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.)	44.0	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	H 16.31	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 43.0	(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.)	28.2	SUFFICIENCY RATING	95.0 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	6234 (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

Inspector:

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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.	9568	sq. ft.	8284	220	1064	0
	Moderate cracks in size and density, most are unsealed. Spalls with rebar exposed to Deck at Spans 1 & 2 patched with Asphalt. Transverse efflorescent cracks to overhangs. Spalls and delaminated areas to Deck at all Spans.						
1080 - Delamination/Spall/Patched Area		246		0	148	98	0
1120 - Efflorescence/Rust Staining		72		0	72	0	0
1130 - Cracking (RC and Other)		966		0	0	966	0
102 - Steel Closed Web/Box Girder	1- Ben.	618	ft.	604	6	8	0
	Girder 1, 4th Stiffener ahead of Abutment 1, Right Side has large crack near bottom. Girder 1, 4th Stiffener back of Abutment 2, Right Side has large crack near bottom. 2 stiffeners are bowed near the center of Girder 2. Rust forming to bottom of all Girders at bearing assemblies at Abutment 1 & 2. Rust forming to 3' ends of all girders at Abutment 1 & 2. Debris in drain holes at end of all girders. Repairs have been made to minor cracks to welds to stiffeners inside of box girders. 1 each, minor crack to weld at bottom of stiffener in Girder 2 & 3.						
1000 - Corrosion		12		0	6	6	0
1010 - Cracking		2		0	0	2	0
515 - Steel Protective Coating		8466	sq. ft.	8301	0	165	0
205 - Reinforced Concrete Column	1- Ben.	4	each	4	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	216	ft.	145	55	16	0
	Abutment 1 - 11 Full Height rust stained cracks & 6' horizontal crack. Abutment 2 - 9 Full height rust stained cracks & 6' horizontal crack. Spalls with 4' rebar exposed.						
1090 - Exposed Rebar		4		0	0	4	0
1120 - Efflorescence/Rust Staining		31		0	25	6	0
1130 - Cracking (RC and Other)		36		0	30	6	0
234 - Reinforced Concrete Pier Cap	1- Ben.	41	ft.	41	0	0	0
301 - Pourable Joint Seal	1- Ben.	276	ft.	0	0	276	0
	Pourable joint seals losing adhesion at all Joints.						
2320 - Seal Adhesion		276		0	0	276	0

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Element Inspection

302 - Compression Joint Seal	1- Ben.	46	ft.	0	0	43	3
Joint Seal is cracked and deteriorated at Abutment 2 with some adhesion failure.							
2320 - Seal Adhesion		3		0	0	0	3
2340 - Seal Cracking		43		0	0	43	0
311 - Movable Bearing	1- Ben.	12	each	0	2	10	0
Pads have been welded and painted at Abutments 1 & 2. Bearing assemblies at Abutment 1 & 2 have rust & section loss.							
1000 - Corrosion		12		0	2	10	0
515 - Steel Protective Coating		24	sq. ft.	0	0	4	20
3440 - Effectiveness (Steel Protective Coatings)		24		0	0	4	20
313 - Fixed Bearing	1- Ben.	6	each	6	0	0	0
515 - Steel Protective Coating		10	sq. ft.	10	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	3010	sq. ft.	2610	0	400	0
Large cracks to Approach Slabs at Abutments 1 & 2.							
1130 - Cracking (RC and Other)		400		0	0	400	0
330 - Metal Bridge Railing	1- Ben.	416	ft.	416	0	0	0
10' of left approach rail is bent at Abutment 2.							
331 - Reinforced Concrete Bridge Railing	1- Ben.	416	ft.	367	49	0	0
Vertical cracking to concrete bridge rails.							
1130 - Cracking (RC and Other)		49		0	49	0	0

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

Description

Inspector:

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Facility Carried: SH 367 Sec16 WHITE

Bridge Inspection Report

Pictures

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 05449

Facility Carried: SH 367 Sec16 WHITE

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 05449

Inspection Date:

Facility Carried: SH 367 Sec16 WHITE

Bridge Inspection Report

Maintenance Needs

Date Reported: 5/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with no rebar exposed to deck at Spans 1 & 2.

Unsealed cracks in deck at Spans 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Unsealed cracks in deck at Spans 1 & 2.

Stage: Assigned



PHOTO 2 Description Spalls with no rebar exposed to deck at Spans 1 & 2.

Inspector:

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Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/17/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Adhesion failure to joint seal at Abutment 1.

Joint seal is cracked & deteriorated at Abutment 2..

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Adhesion failure to joint seal at Abutment 1.

Stage: Assigned



PHOTO 2 Description Joint seal is cracked & deteriorated at Abutment 2.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/17/2012 12:00:00 AM

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

10' of left approach rail is bent at Abutment 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description 10' of left approach rail is bent at Abutment 2.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/28/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Rust bearing assemblies & to outside bottom of all girders at Bearing assemblies at Abutments 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Rust on bearing assemblies & to outside bottom of all girders at Bearing assemblies at Abutment 1 & 2.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 06/20/2018

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Debris on cap @ Abutment 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Debris on cap @ Abutment 1.

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Maintenance Needs

Date Reported: 06/20/2018

Priority: B - Pressing; 6 month completion goal

Work Code:

Deficiency Description:

Girder 1, 4th Stiffener ahead of Abutment 1, Right Side has large crack near bottom.

Girder 1, 4th Stiffener back of Abutment 2, Right Side has large crack near bottom.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Open

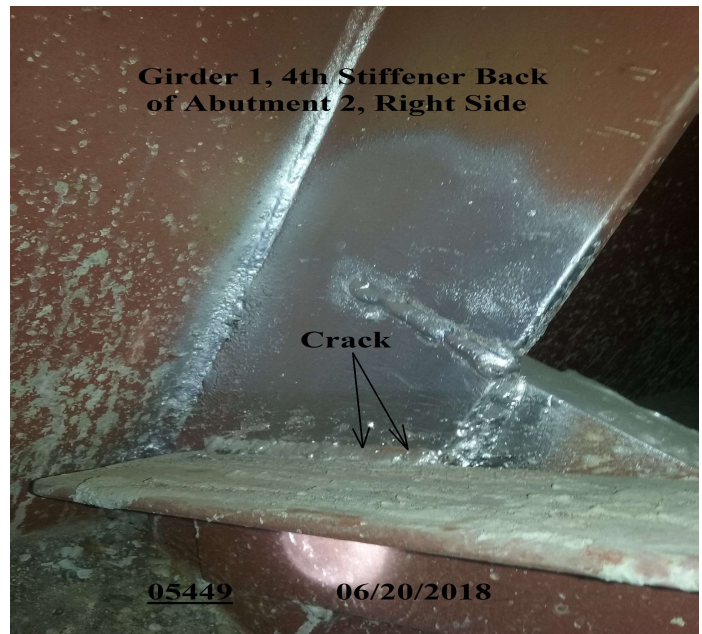


PHOTO 2 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Open



PHOTO 3 Description

Stage: Open

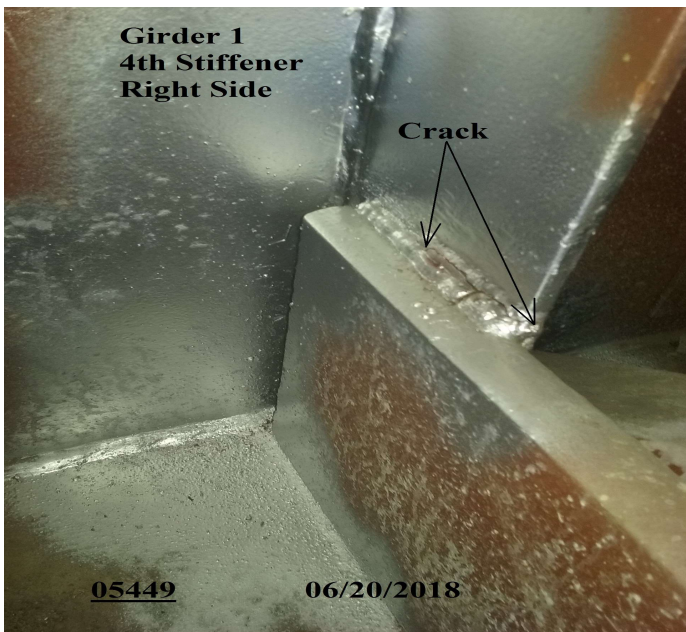


PHOTO 4 Description