

Bridge Inspection Report

02656

**State Highway 28
over
Dailey Creek-Scott Co.**



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

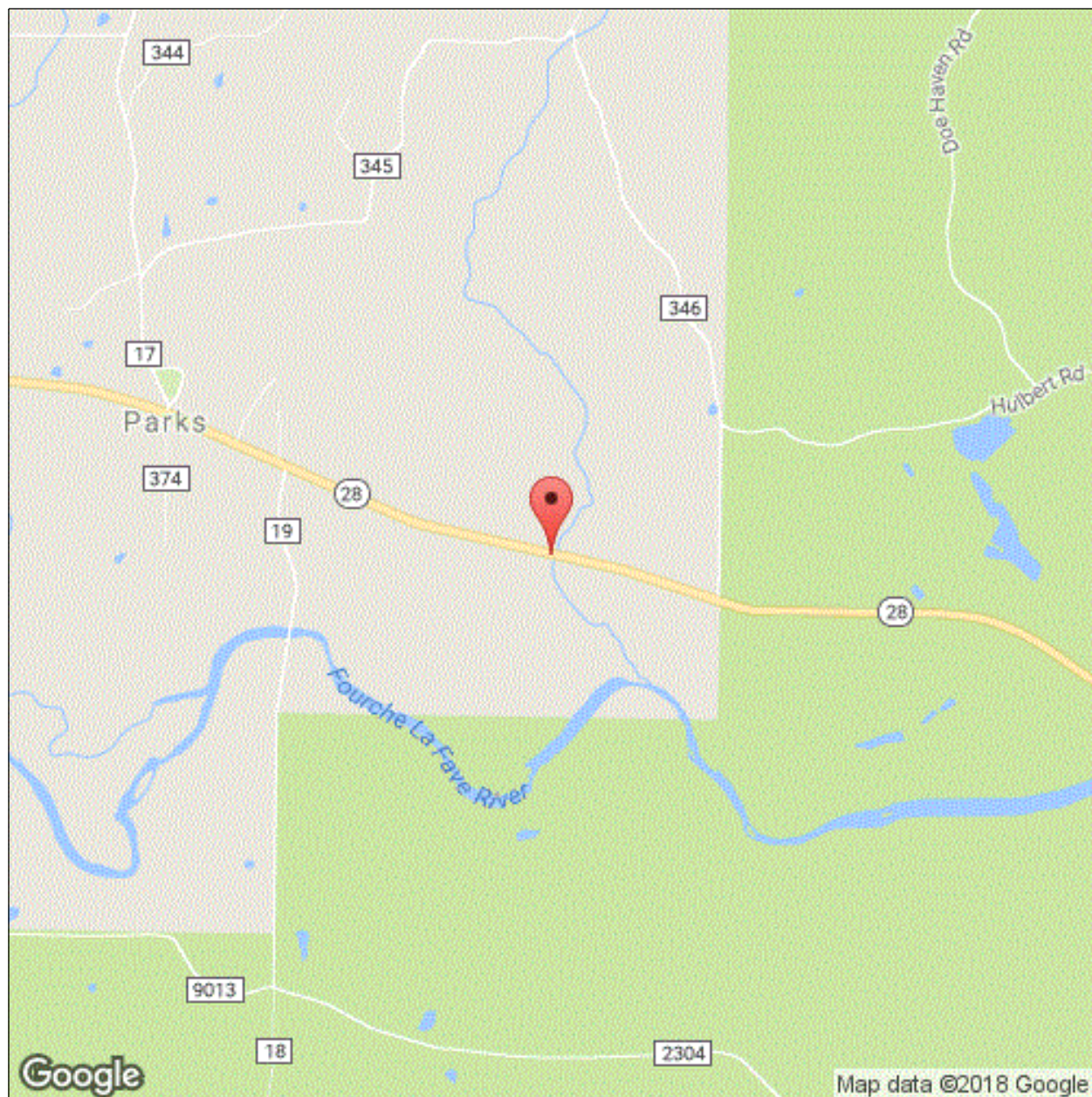
Structure Number: 02656

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Facility Carried: State Highway 28

Bridge Inspection Report

Location Map



Latitude: 34.79777

Longitude: -93.94545

Inspector:

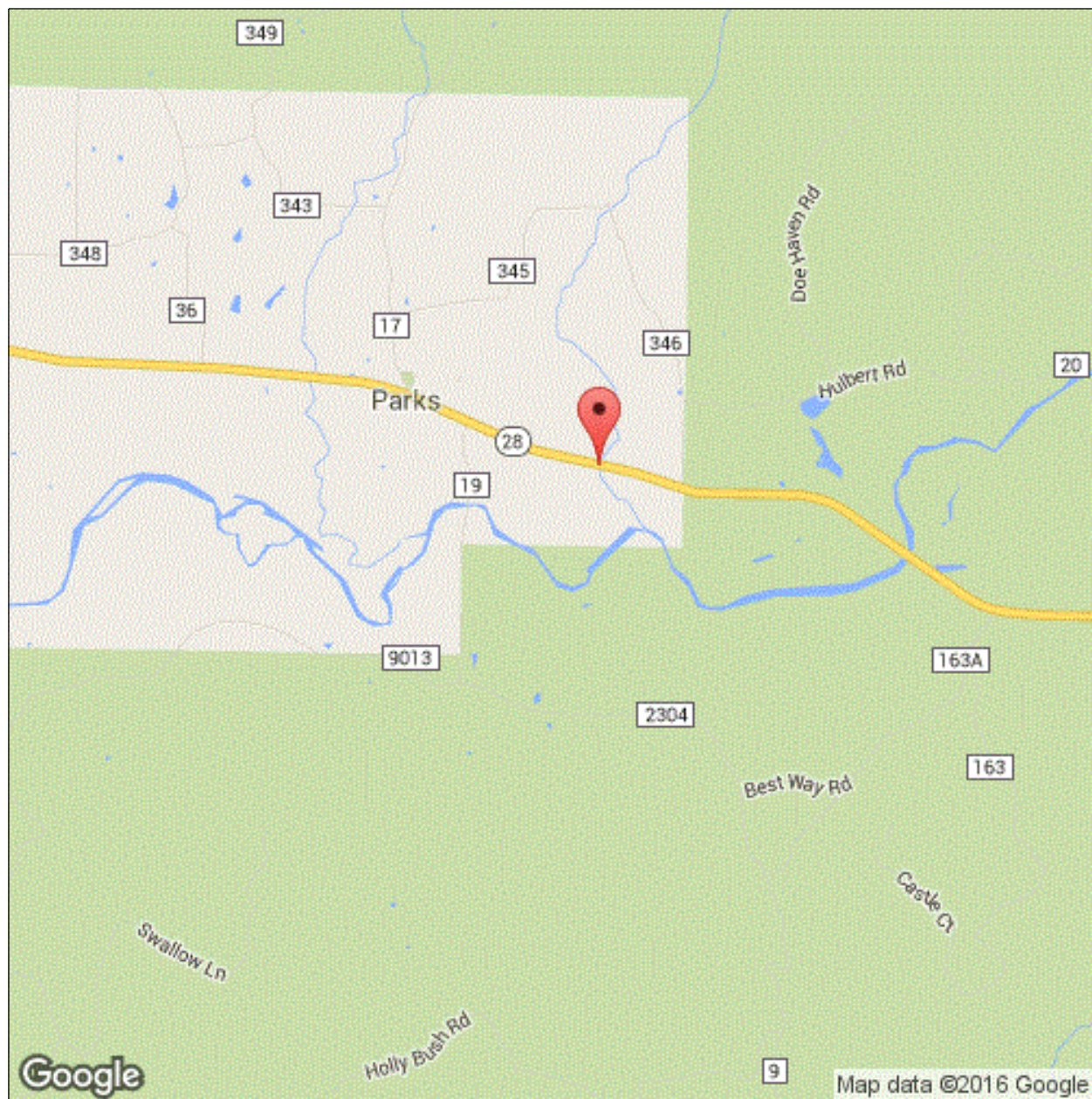
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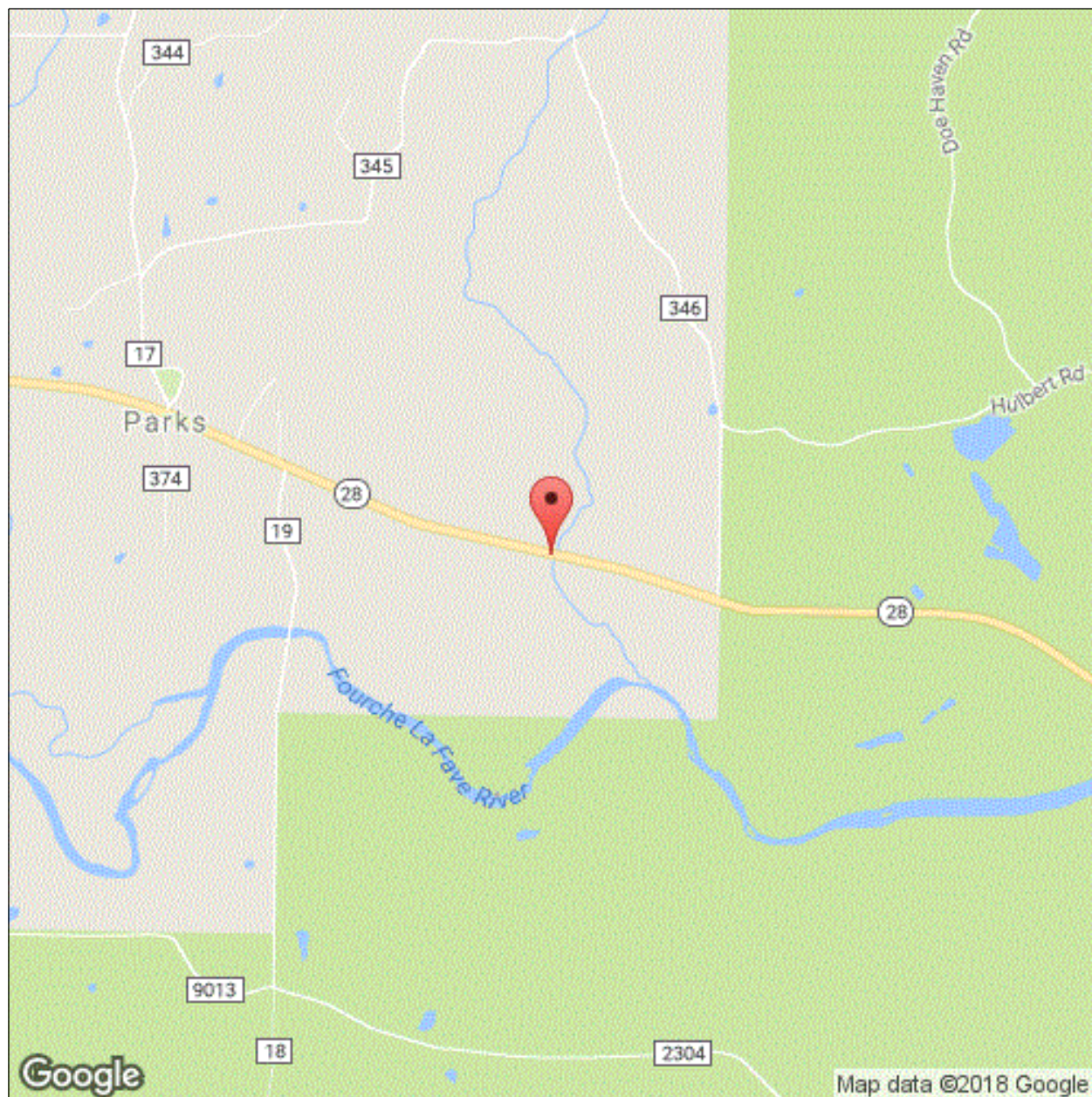
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Executive Summary

01/18/2018 EJW & JRT - Underwater Type 2 inspection conducted on this date. Wading and probing, with low clear water conditions. All the footings had cover that indicated no apparent undermining or scour at this inspection. No apparent noteworthy deficiencies at this inspection.

01/27/2016 JPB & RSM-Routine inspection conducted this date.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/18/2018
(8) STRUCTURE NUMBER	02656	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 28 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	04 (3) COUNTY CODE 127	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Dailey Creek-Scott Co.	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	State Highway 28		
(9) LOCATION	5.53 MI E JCT OF US 71		
(11) MILEPOINT 5.529	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.79777	(17) LONGITUDE -93.94545		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
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 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1950	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(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	34.0
(29) AVERAGE DAILY TRAFFIC 280	(19) BYPASS DETOUR LENGTH 14	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	20.0
(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.) 18	(49) STRUCTURE LENGTH (ft.) 54	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1 RIGHT 1		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	22.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	24	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	24.0	(72) APPROACH ROADWAY ALIGNMENT	8
(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:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	23.6	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	62.4 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 366	(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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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	1296	sq. ft.	1258	36	2	0
	-Span 2 has spalling that is exposing the reinforcing steel with active corrosion and layers of rust. -Typical hairline longitudinal cracking in spans 1 and 2.						
1090 - Exposed Rebar		2				2	
1120 - Efflorescence/Rust Staining		6			6		
1130 - Cracking (RC and Other)		30			30		
510 - Wearing Surfaces		1188	sq. ft.	1045	0	143	0
3220 - Crack (Wearing Surface)		143				143	
205 - Reinforced Concrete Column	1- Ben.	8	each	4	4	0	0
	-There is medium abrasion at the base of the columns.						
1190 - Abrasion/Wear (PSC/RC)		4			4		
220 - Reinforced Concrete Pile Cap/Footing	1- Ben.	40	ft.	40			
	No apparent problems.						
234 - Reinforced Concrete Pier Cap	1- Ben.	100	ft.	92	6	2	0
	-The Lt side of Span 2 Bent 3 cap has two softball size spalls that exposes reinforcing steel with initial section loss.						
1090 - Exposed Rebar		2				2	
1130 - Cracking (RC and Other)		6			6		
330 - Metal Bridge Railing	1- Ben.	108	ft.	0	108	0	0
	-The metal rail has a failing paint system with rust showing through out the railing.						
1000 - Corrosion		108			108		
515 - Steel Protective Coating		216	sq. ft.	0	0	216	0
3440 - Effectiveness (Steel Protective Coatings)		216				216	

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Pictures

PHOTO 1

Description

PHOTO 2

Description

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Sketches

Inspector:

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Maintenance Needs

Date Reported: 1/27/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

R.C. Slab:

There is spalling around the deck drains that exposes the reinforcing steel with initial section loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalling with exposed reinforcing steel around both deck drains in Span 2. Exposed reinforcing steel has active corrosion and layers of rust.

Stage: Assigned



PHOTO 2 Description

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Maintenance Needs

Date Reported: 1/27/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Superstructure

Bent 3 cap (span 2 side) has spalling with exposed reinforcing steel.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description