

Bridge Inspection Report

02803

**SH 36 White County
over
WEST HOG THIEF CREEK**



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

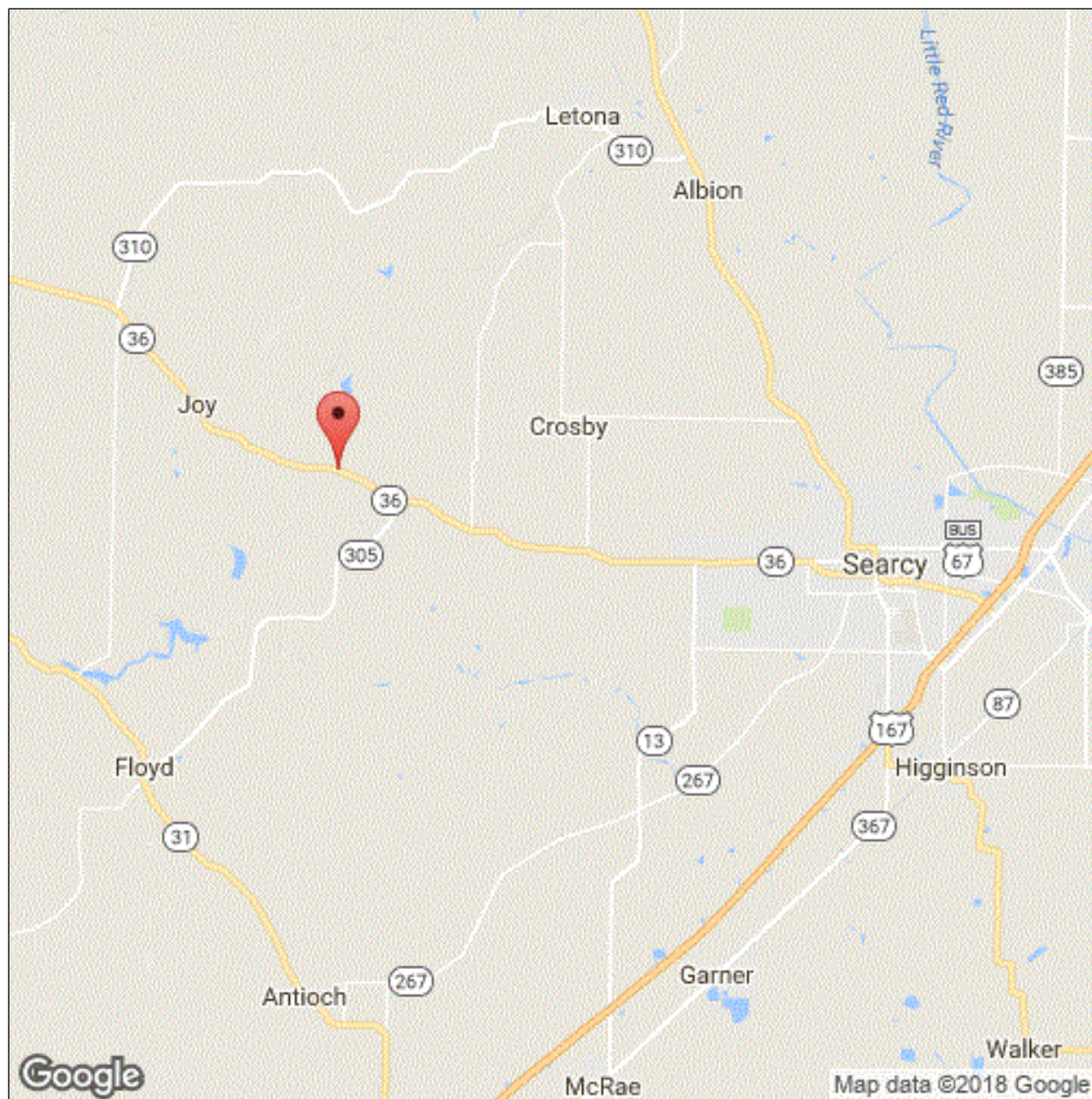
Structure Number: 02803

Inspection Date:

Facility Carried: SH 36 White County

Bridge Inspection Report

Location Map



Latitude: 35.270771

Longitude: -91.906219

Inspector:

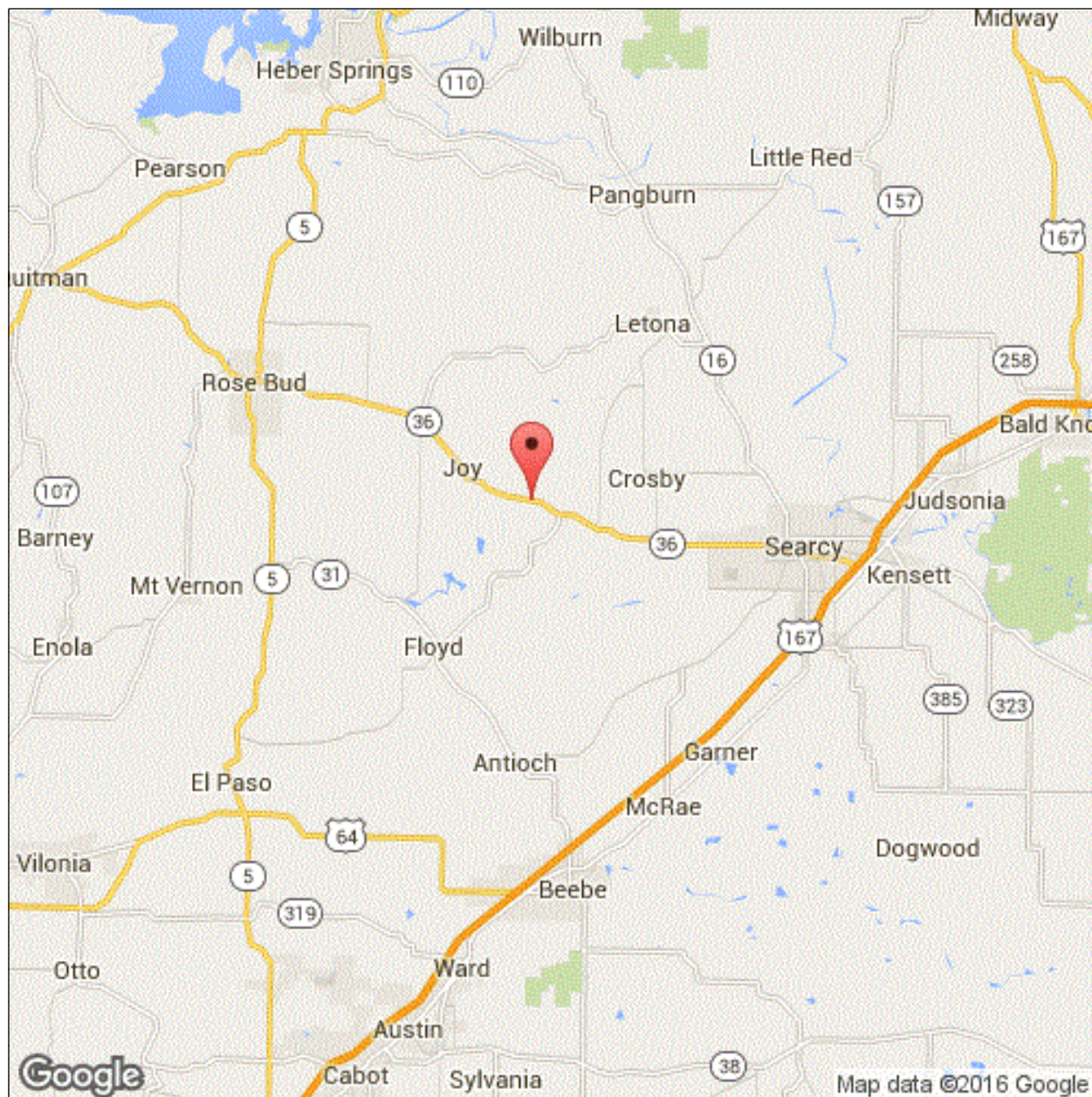
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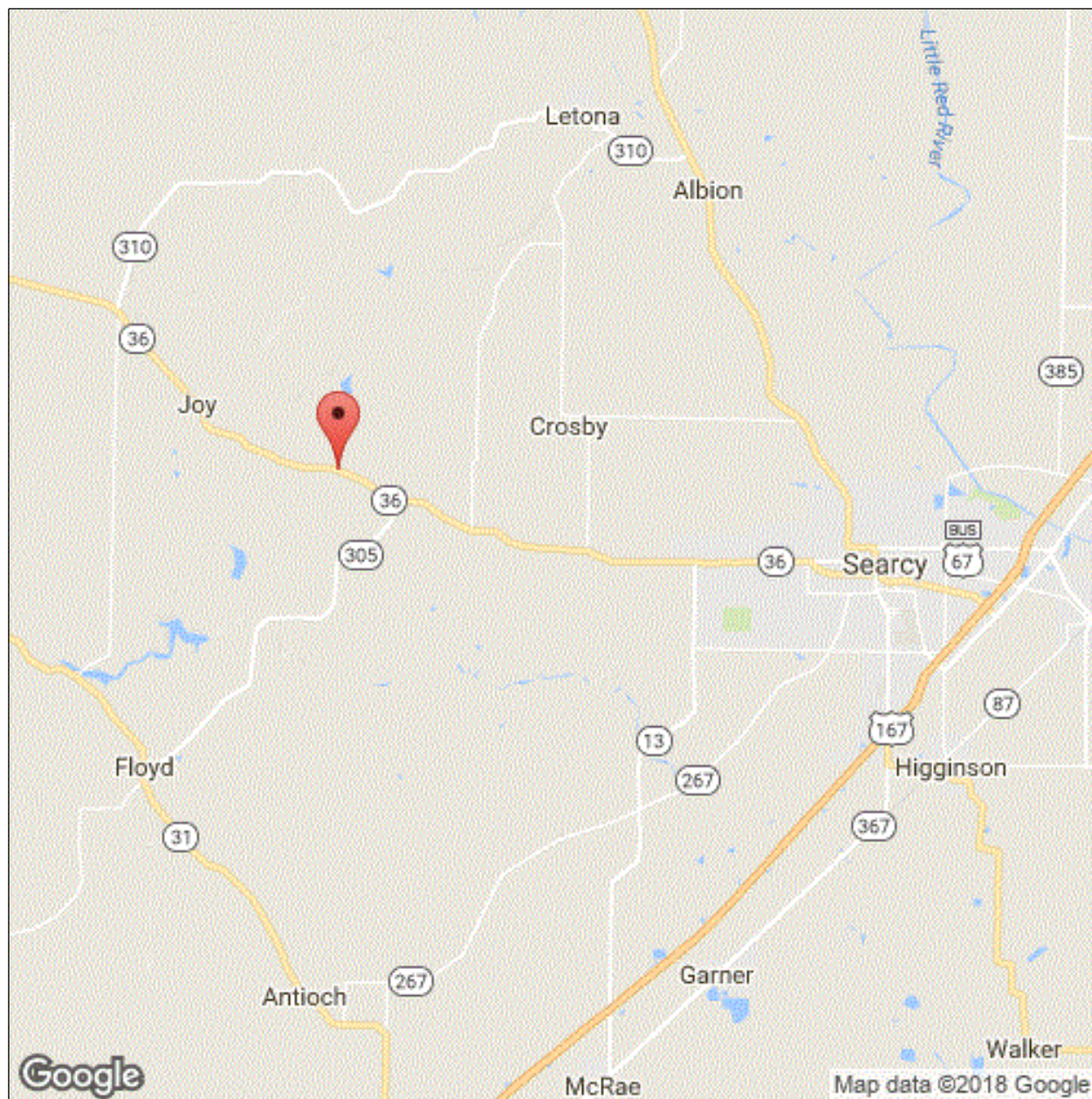
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Executive Summary

Log mile runs East.

Construction Job 05355.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/27/2019
(8) STRUCTURE NUMBER	02803	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 36 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	WEST HOG THIEF CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 36 White County		
(9) LOCATION	1.40 MI W JCT OF SH 305		
(11) MILEPOINT 11.347	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.270771	(17) LONGITUDE -91.906219		
(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: 2 - Concrete continuous		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
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 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1952	(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	32.0
(29) AVERAGE DAILY TRAFFIC 2500	(19) BYPASS DETOUR LENGTH 32	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	19.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	3
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 25	(49) STRUCTURE LENGTH (ft.) 66	(67) STRUCTURAL EVALUATION	4
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1	RIGHT 1	(68) DECK GEOMETRY	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26.5	(71) WATERWAY ADEQUACY	7
(32) APPROACH ROADWAY WIDTH (ft.)	25.9	(72) APPROACH ROADWAY ALIGNMENT	7
(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.)	25.9	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	8
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	48.4
		STATUS	2
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	91.0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	125	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	309	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 4472	(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.	1749	sq. ft.	0	1568	181	0
	Spalls with rebar exposed to deck @ Spans 1 & 2 & soffit @ Span 2. 4' of delaminated areas to soffit @ Span 2. Longitudinal & transverse cracks to deck Span 2 - Full width transverse efflorescent crack (construction joint) to soffit @ midspan. Minor to moderate abrasion to entire surface of deck. Deep scaling to Right gutter line @ Spans 1 & 2. Patched area to deck in Right lane @ Span 3.						
1080 - Delamination/Spall/Patched Area		12		0	12	0	0
1090 - Exposed Rebar		7		0	0	7	0
1120 - Efflorescence/Rust Staining		20		0	20	0	0
1130 - Cracking (RC and Other)		274		0	200	74	0
1190 - Abrasion/Wear (PSC/RC)		1436		0	1336	100	0
205 - Reinforced Concrete Column	1- Ben.	4	each	0	4	0	0
	Bent 1 - Scour to Left column. Bent 2 - Scour to Right column. Abrasion to bottom of all columns.						
1190 - Abrasion/Wear (PSC/RC)		2		0	2	0	0
6000 - Scour		2		0	2	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	110	ft.	110	0	0	0
330 - Metal Bridge Railing	1- Ben.	132	ft.	64	68	0	0
	Left bridge rail is rusting. Damage to 2 posts on Left.						
1000 - Corrosion		66		0	66	0	0
7000 - Damage		2		0	2	0	0
515 - Steel Protective Coating		396	sq. ft.	264	0	66	66
3440 - Effectiveness (Steel Protective Coatings)		132		0	0	66	66

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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: 2/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Scour to Left column at Bent 1.
Scour to Right column at Bent 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Scour to Left column at Bent 1.

Stage: Assigned



PHOTO 2 Description Scour to Right column at Bent 2.

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Maintenance Needs

Date Reported: 2/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Impact damage to Right approach guardrail at Abutment 1.

Guard rail spacer block is missing to Left rail at Abutment 1.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description 14' guard rail bent on Right at approach at Abutment 1.

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Maintenance Needs

Date Reported: 2/9/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with 3' rebar exp. to deck at Span 1.
Spalls with 3' rebar exp. to deck at Span 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Spalls to deck with rebar exposed @
Span 1 & 2.