

Bridge Inspection Report

01368
SH 367 WHITE CO.
over
CYPRESS CR



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

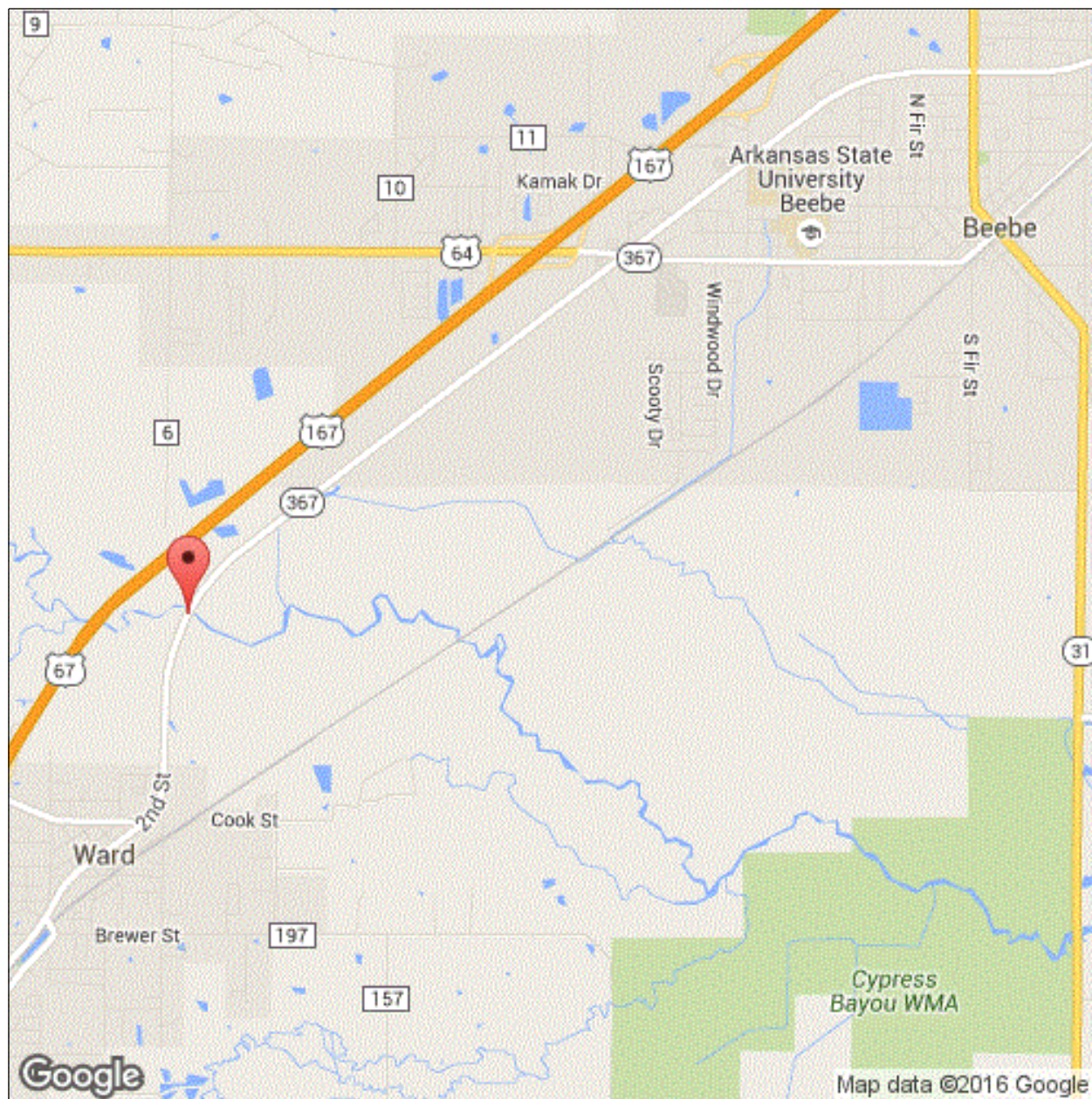
Structure Number: 01368

Inspection Date:

Facility Carried: SH 367 WHITE CO.

Bridge Inspection Report

Location Map



Latitude: 35.04570

Longitude: -91.94377

Inspector:

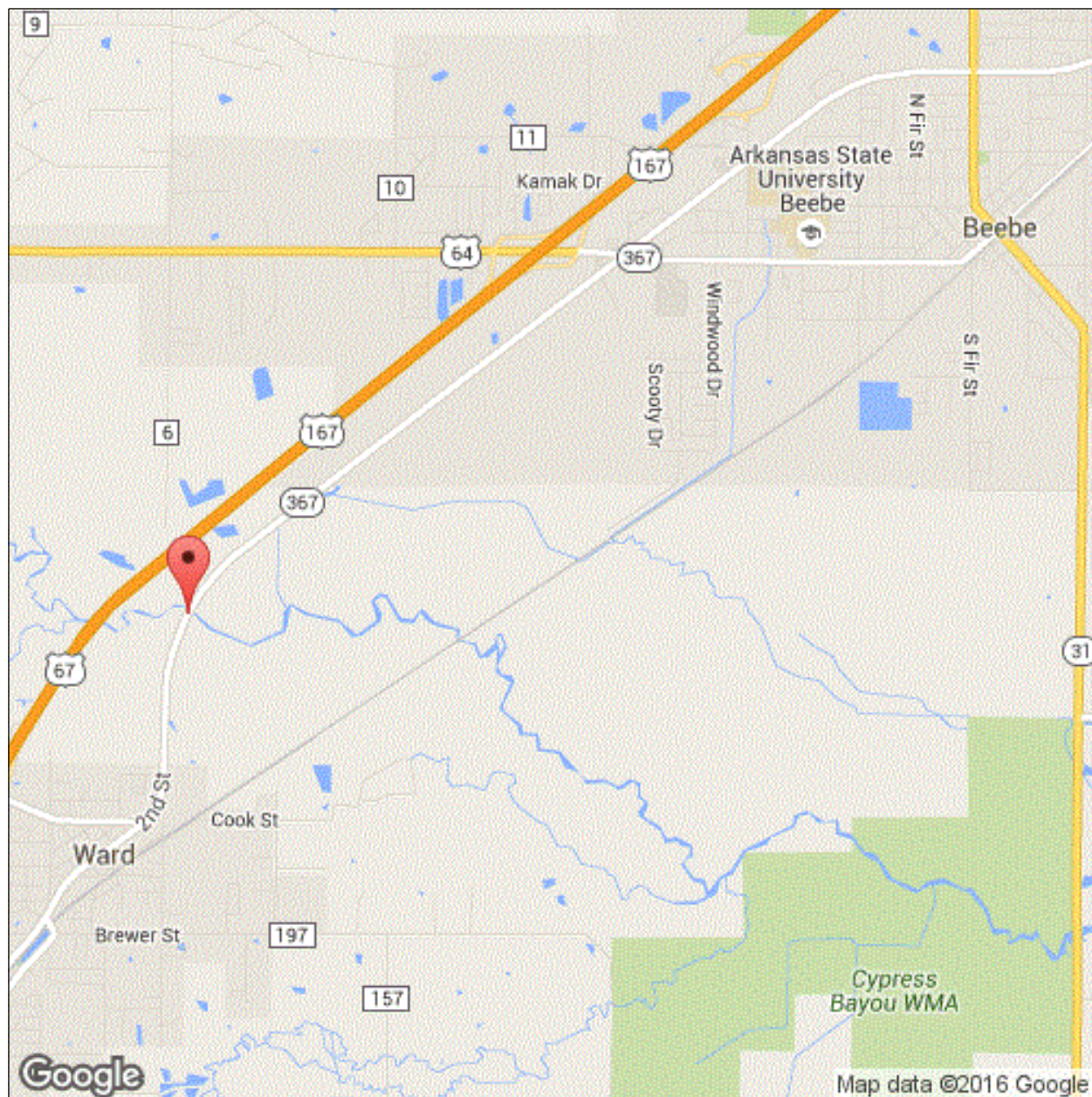
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Bridge Inspection Report

Location Map



Latitude: 35.04570

Longitude: -91.94377

Inspector:

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Bridge Inspection Report

Executive Summary

Logmile looking North.

Construction Job #1226

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/18/2018
(8) STRUCTURE NUMBER	01368	(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	CYPRESS CR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 WHITE CO.		
(9) LOCATION	.00 MI OF LONOKE CO LINE		
(11) MILEPOINT 0.001	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.04570	(17) LONGITUDE -91.94377		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE 5	(60) SUBSTRUCTURE 5
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(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 7	(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 1950	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	4
(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	57.0
(29) AVERAGE DAILY TRAFFIC 3600	(19) BYPASS DETOUR LENGTH 4	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	34.0
(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.) 30	(49) STRUCTURE LENGTH (ft.) 212	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.8 RIGHT 1.8		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 31		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 24.0		(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.) 27.9		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	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING 65.8	STATUS 0
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.) 245		(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	561	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 4336	(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

Inspector:

Structure Number: 01368

Inspection Date:

Facility Carried: SH 367 WHITE CO.

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.	6148	sq. ft.	0	5451	697	0
	Span 1 is 50% areas of delaminating, patches &/or spalls. Span 2 is 20% areas of delaminating, patches &/or spalls. Span 3 is 50% areas of delaminating, patches &/or spalls. Span 4 is 100% areas of delaminating, patches &/or spalls. Span 5 is 40% areas of delaminating, patches &/or spalls. Span 6 is 50% areas of delaminating, patches &/or spalls. Span 7 is 100% areas of delaminating, patches &/or spalls. Spalls with 14' rebar exposed to Left & Right overhang. 36' area of honeycomb/spall to soffit @ Span 4. 54 Efflorescent cracking to soffit. See attached Form III for detailed descriptions and locations of deficiencies.						
1080 - Delamination/Spall/Patched Area		3866			3736	130	
1090 - Exposed Rebar		35				35	
1120 - Efflorescence/Rust Staining		54			30	24	
1130 - Cracking (RC and Other)		589			81	508	
1190 - Abrasion/Wear (PSC/RC)		1604			1604		
107 - Steel Open Girder/Beam	1- Ben.	840	ft.	769	15	56	0
	Rust to web below paving haunch of Girders with some having holes in webs. See attached Form III for detailed descriptions and locations of deficiencies.						
1000 - Corrosion		64			9	55	
1010 - Cracking		1				1	
1900 - Distortion		6			6		
515 - Steel Protective Coating		5775	sq. ft.	5332			443
215 - Reinforced Concrete Abutment	1- Ben.	78	ft.	59	10	9	0
	Abutments 1 & 2 - Slab spalls to back walls. Abutments rotated. Large spalls to Left & Right ends of Abutments 1 & 2 due to rotation. See attached Form III for detailed descriptions and locations of deficiencies.						
1080 - Delamination/Spall/Patched Area		18			10	8	
1130 - Cracking (RC and Other)		1				1	
225 - Steel Pile	4 - Sev.	24	each	8	1	15	0
	See attached Form III for detailed descriptions and locations of deficiencies.						
1000 - Corrosion		16			1	15	
515 - Steel Protective Coating		1673	sq. ft.	3	1530		140

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Element Inspection

234 - Reinforced Concrete Pier Cap	1- Ben.	162	ft.	111	7	44	0
Cracks, spalls with rebar & delaminating areas to all caps. See attached Form III for detailed descriptions and locations of deficiencies.							
1080 - Delamination/Spall/Patched Area		20			4	16	
1090 - Exposed Rebar		14				14	
1130 - Cracking (RC and Other)		17			3	14	
303 - Assembly Joint with Seal	1- Ben.	179	ft.	0	179		
304 - Open Expansion Joint	1- Ben.	69	ft.	69	0		
28' of assembly joint removed @ Abutment 1 & 2. 13' of assembly joint removed @ Bent 2.							
311 - Movable Bearing	1- Ben.	28	each	0	13	15	0
See attached Form III for detailed descriptions and locations of deficiencies.							
1000 - Corrosion		6				6	
1020 - Connection		12			3	9	
2220 - Alignment		10			10		
515 - Steel Protective Coating		57	sq. ft.	0		22	35
313 - Fixed Bearing	1- Ben.	28	each	7	1	20	0
See attached Form III for detailed descriptions and locations of deficiencies.							
1000 - Corrosion		8				8	
1020 - Connection		7			1	6	
2240 - Loss Bearing Area		6				6	
515 - Steel Protective Coating		57	sq. ft.	0		35	22
330 - Metal Bridge Railing	1- Ben.	424	ft.	0	424	0	0
Rust/corrosion to all guardrail. Collision damage to concrete post on Right side approach rail @ Abutment 2. Curbs @ Spans 1, 4, 6 & 7 has areas of deterioration. 28' of Left & Right curb has random spalls & heavy deterioration.							
1000 - Corrosion		424			424		
515 - Steel Protective Coating		1272	sq. ft.	0	0	636	636
3440 - Effectiveness (Steel Protective Coatings)		1272				636	636

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

Inspection Date:

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Facility Carried: SH 367 WHITE CO.

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 01368

Inspection Date:

Facility Carried: SH 367 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 07/20/2016

Priority: B - Pressing; 6 month completion goal

Work Code: N/A

Deficiency Description:

Rust with heavy section loss (holes) to top of Piles at:

Bent 1 - Pile 3

Bent 2 - Piles 3 & 4

Bent 4 - Pile 4

Bent 5 - Bottom of Pile 4 & top of Pile 3

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Rust with heavy section loss (holes) to bottom of Pile4 @ Bent 5.

Stage: Assigned



PHOTO 2 Description Rust with heavy section loss (holes) to top of Piles

Inspector:

Structure Number: 01368

Inspection Date:

Facility Carried: SH 367 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/17/2012 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

Rust with section loss to bottom of $\pm 3'$ of piles @ Bents 4 & 5.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Typical rust & section loss to bottom of piles @ Bent 4 & 5.

Inspector:

Structure Number: 01368

Inspection Date:

Facility Carried: SH 367 WHITE CO.

Bridge Inspection Report

Maintenance Needs

Date Reported: 7/17/2012 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

Girders have been cleaned & painted in past but heavy. section loss & pitting to webs &/or bottom flanges still exist with some flanges being knife edged.

Diaphragm @ Span 1 & 7 are bowed.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 1. Diaphragm Between girder 1-2 @ end of span

Stage: Assigned



PHOTO 2 Description Span 5. Girder 4 has 8' of rust/section loss to web & bottom flange @ beginning of span.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/17/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Spalls to deck below, paving haunch &/or Left & Right overhang to Spans 1 - 6.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Span 2 .Typical spall with 3' rebar exposed to Right overhang. All spans Left & Right.

Stage: Assigned



PHOTO 2 Description 12 sq ft area of honeycomb @ Span 4 between Girders 2 & 3.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 07/20/2016

Priority: B - Pressing; 6 month completion goal

Work Code: N/A

Deficiency Description:

Heavy section loss & holes to ends of Girders at:

Span 2 - Girders 2 & 3

Span 3 - Girder 3

Span 4 - Girders 2, 3 & 4

Span 5 - Girders 2, 3 & 4

Span 6 - Girders 2 & 3

Span 7 - Girders 2 & 3

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Span 5. Girder 4 @ beginning of span.
Section loss, bending & holes in web.

Stage: Open



PHOTO 2 Description Heavy section loss & holes to ends of
Girders

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 07/17/2016

Priority: B - Pressing; 6 month completion goal

Work Code: N/A

Deficiency Description:

Holes in steel diaph. @ Spans 1, 3, 5 & 7

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Holes to diaphragm @ beginning of Span 3 between Girders 2 & 3.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 07/20/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Spalls with rebar exposed, delam. areas &/or cracking to caps @ Bents 1 - 6.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Bent 2. Spalls with 3' rebar exposed.

Stage: Open



PHOTO 2 Description Cracking to 3' of Right end of cap @ Bent 3

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 07/20/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Spalls with rebar & delaminating areas to deck @ Span 7.

Unsealed cracks to deck @ all Spans.

Areas of heavy deterioration to concrete curbs @ all Spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Typical patches to deck @ all spans.

Stage: Open



PHOTO 2 Description Typical corrosion to all guard rail.

Inspector:

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Stage: Open



PHOTO 3 Description Unsealed cracks to deck @ all spans.