

Bridge Inspection Report

06998

I-555/Sec-1/L-0.22

over

I-55/Sec-11/L-23.47



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

Structure Number: 06998

Inspection Date:

Facility Carried: I-555/Sec-1/L-0.22

Bridge Inspection Report

Location Map



Latitude: 35.391769

Longitude: -90.273064

Inspector:

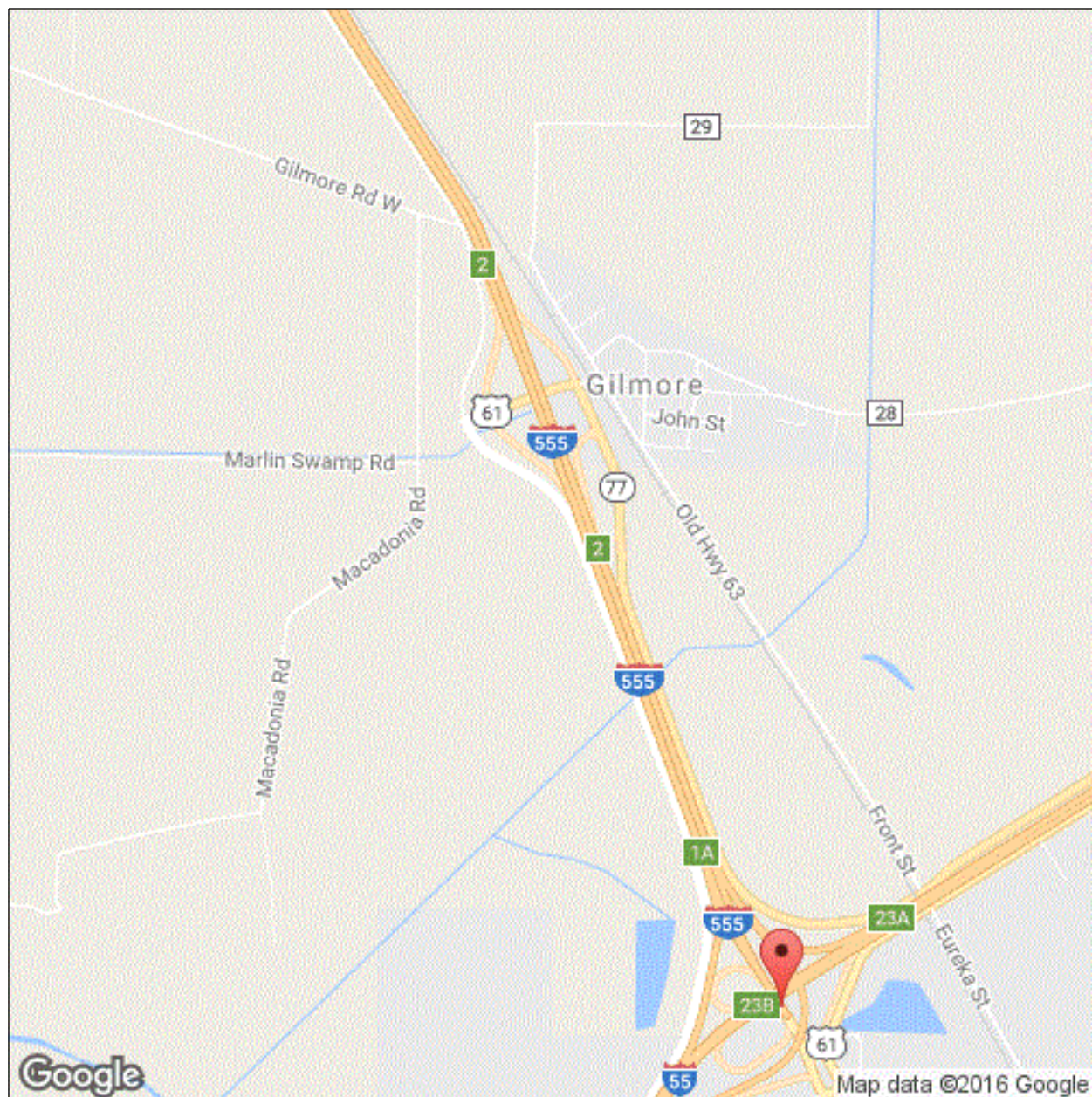
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Bridge Inspection Report

Executive Summary

Lowered superstructure from 9 to 8 do to paint peeling.

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/24/2018
(8) STRUCTURE NUMBER	06998	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY 01	(3) COUNTY CODE 035	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I-55/Sec-11/L-23.47	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555/Sec-1/L-0.22		
(9) LOCATION	3.6 Mi So Poinsett Co Ln		
(11) MILEPOINT 0.22	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063100 (13B) SUBROUTE NUMBER -1		
(16) LATITUDE 35.391769	(17) LONGITUDE -90.273064		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE 8	(60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	N (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 4	(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 2006	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	6
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 03 UNDER 05		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 1100	(19) BYPASS DETOUR LENGTH 3	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(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.) 90	(49) STRUCTURE LENGTH (ft.) 282.2	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 52		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(52) DECK WIDTH, OUT-TO-OUT (ft.) 55.1		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 52		(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 52		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) H 17.03		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 29.4		(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.) 7.1		SUFFICIENCY RATING 96.7	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	01
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 4500	(115) YEAR OF FUTURE ADT 2033	(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	4
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	N
		(111) PIER OR ABUTMENT PROTECTION	2
		(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
12 - Reinforced Concrete Deck	1- Ben.	15549	sq. ft.	13201	2348	0	0
	Spans #2&3 have transverse cracks spaced 4' Soffit overhangs have hairline cracks spaced 2' a part 1/3 with light efflorescence. Spans #1&4 have hairline map cracking entire spans.						
1120 - Efflorescence/Rust Staining		188		0	188	0	0
1130 - Cracking (RC and Other)		2160		0	2160	0	0
107 - Steel Open Girder/Beam	1- Ben.	1960	ft.	1960	0	0	0
	Paint has a few small spots of peeling with primer exposed approximately 150 square feet total.						
515 - Steel Protective Coating		17995	sq. ft.	17845	150	0	0
3420 - Peeling/Bubbling/Cracking (Steel Protective Coatings)		150		0	150	0	0
205 - Reinforced Concrete Column	1- Ben.	9	each	9	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	174	ft.	156	18	0	0
	Both abutment backwall's have vertical hairline cracks spaced 3' apart half with efflorescence.						
1120 - Efflorescence/Rust Staining		18		0	18	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	162	ft.	162	0	0	0
300 - Strip Seal Expansion Joint	1- Ben.	110	ft.	110	0	0	0
310 - Elastomeric Bearing	1- Ben.	35	each	35	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	2628	sq. ft.	2588	0	40	0
	Both approach slabs have diagonal cracking at corners near bridge end 40 square feet.						
1130 - Cracking (RC and Other)		40		0	0	40	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	564	ft.	564	0	0	0
	Bridge rails have vertical hairline cracks spaced every 2'.						

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

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Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 3

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 11/2/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

DRAINS

ABUTMENT #1

RIGHT AND LEFT SIDES

AT SHOULDERS. SMALL HOLE STARTING TO WASH OUT AT BOTH LOCATIONS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Approach slab cracks.

Stage: Monitor



PHOTO 2 Description Abutment 1 erosion around drain.

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Maintenance Needs

Date Reported: 11/2/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

APPROACH SLABS ABUTMENTS #1 AND #2 SLABS ARE CRACKED DIAG. ON BOTH SIDES.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Approach slab cracks.

Inspector:

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Maintenance Needs

Date Reported: 09/19/2016

Priority: C - Important

Work Code: N/A

Deficiency Description:

Abutment 2 right side at bridge rail has 2' deep erosion area.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Abutment 1 left side at bridge rail has 2' deep erosion area.