

Bridge Inspection Report

05539

I-555Sb/Sec1/L0.97

over

Little Cypress Bayou



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

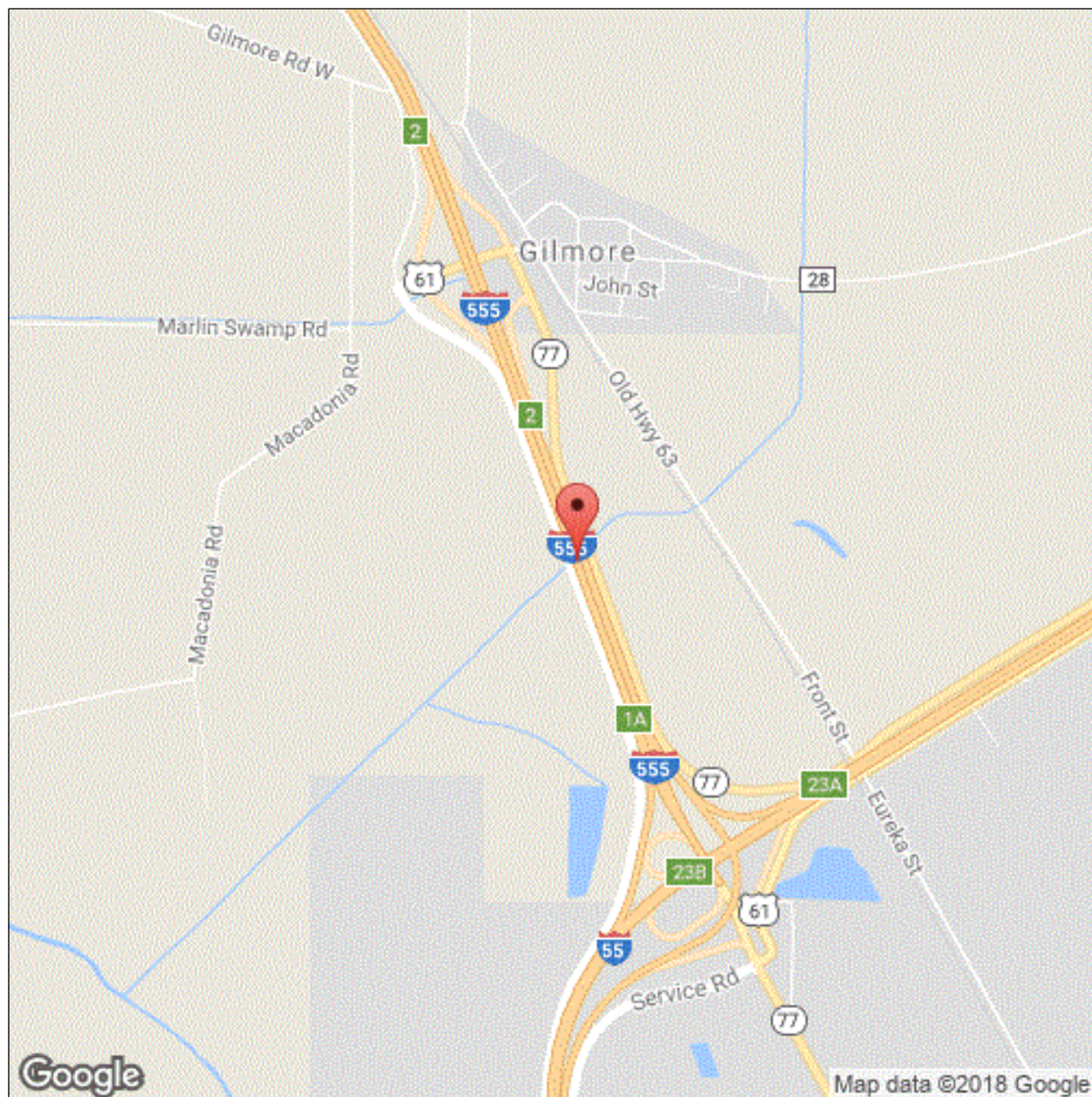
Structure Number: 05539

Inspection Date:

Facility Carried: I-555Sb/Sec1/L0.97

Bridge Inspection Report

Location Map



Latitude: 35.40177

Longitude: -90.27844

Inspector:

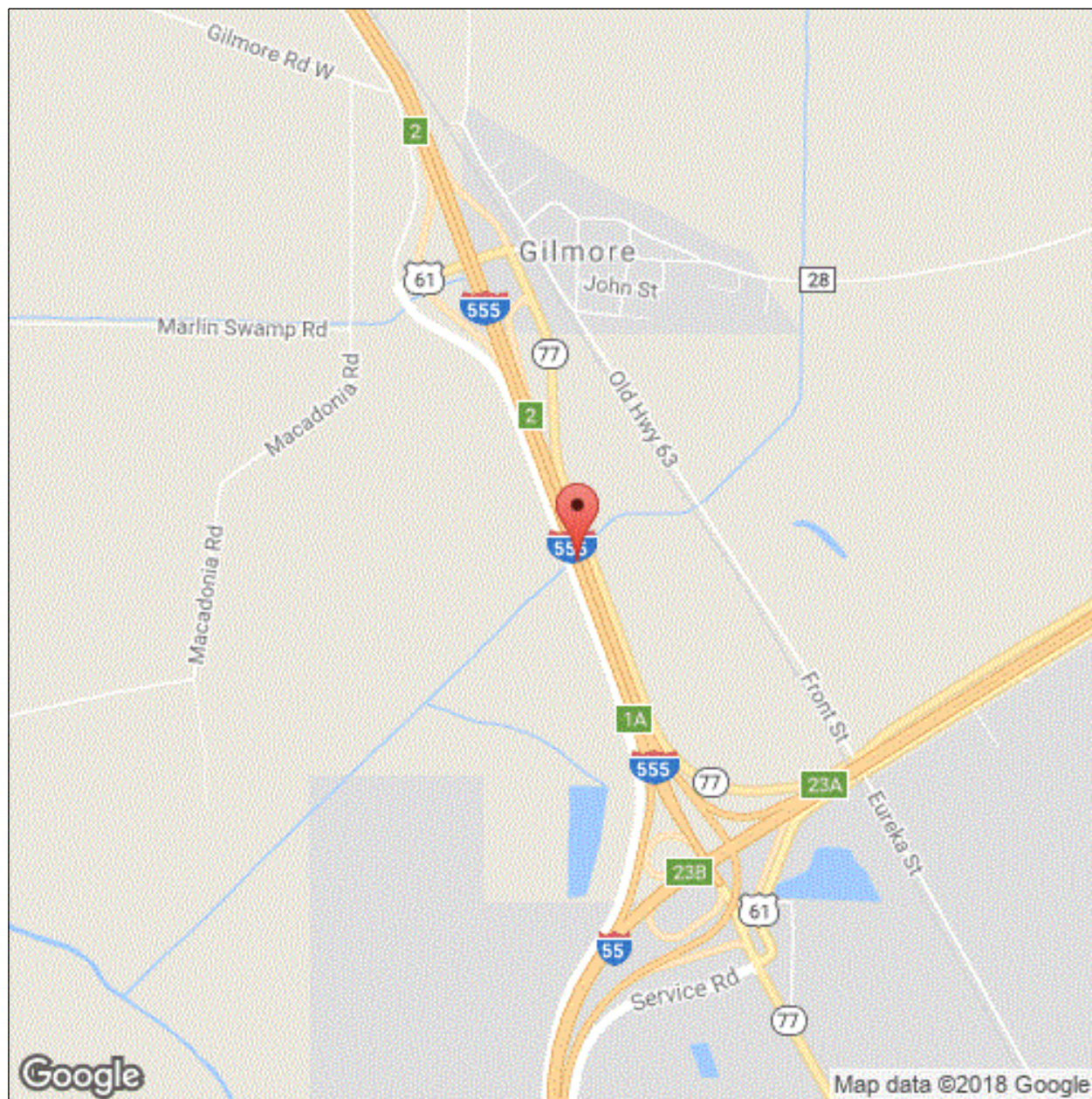
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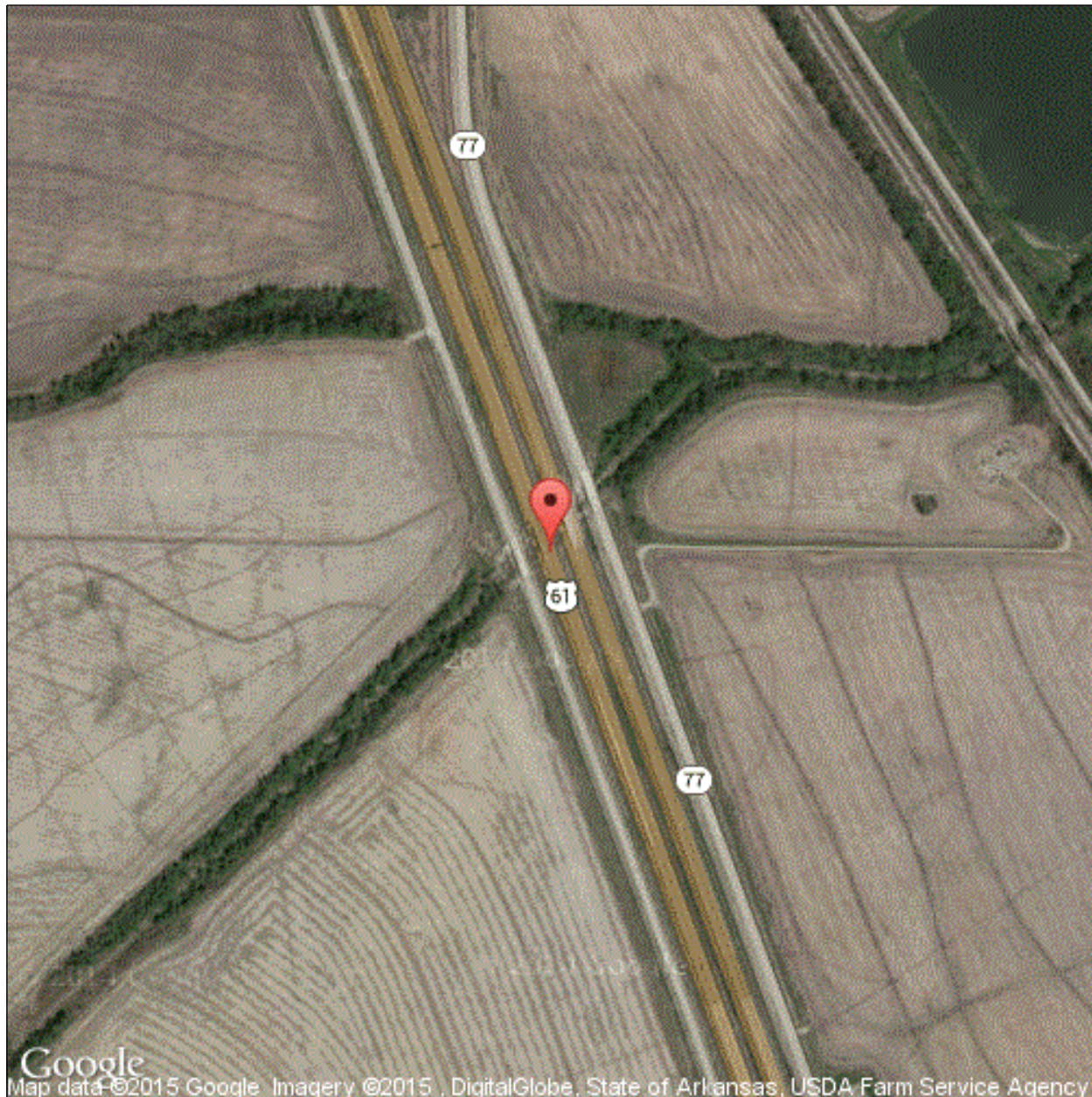
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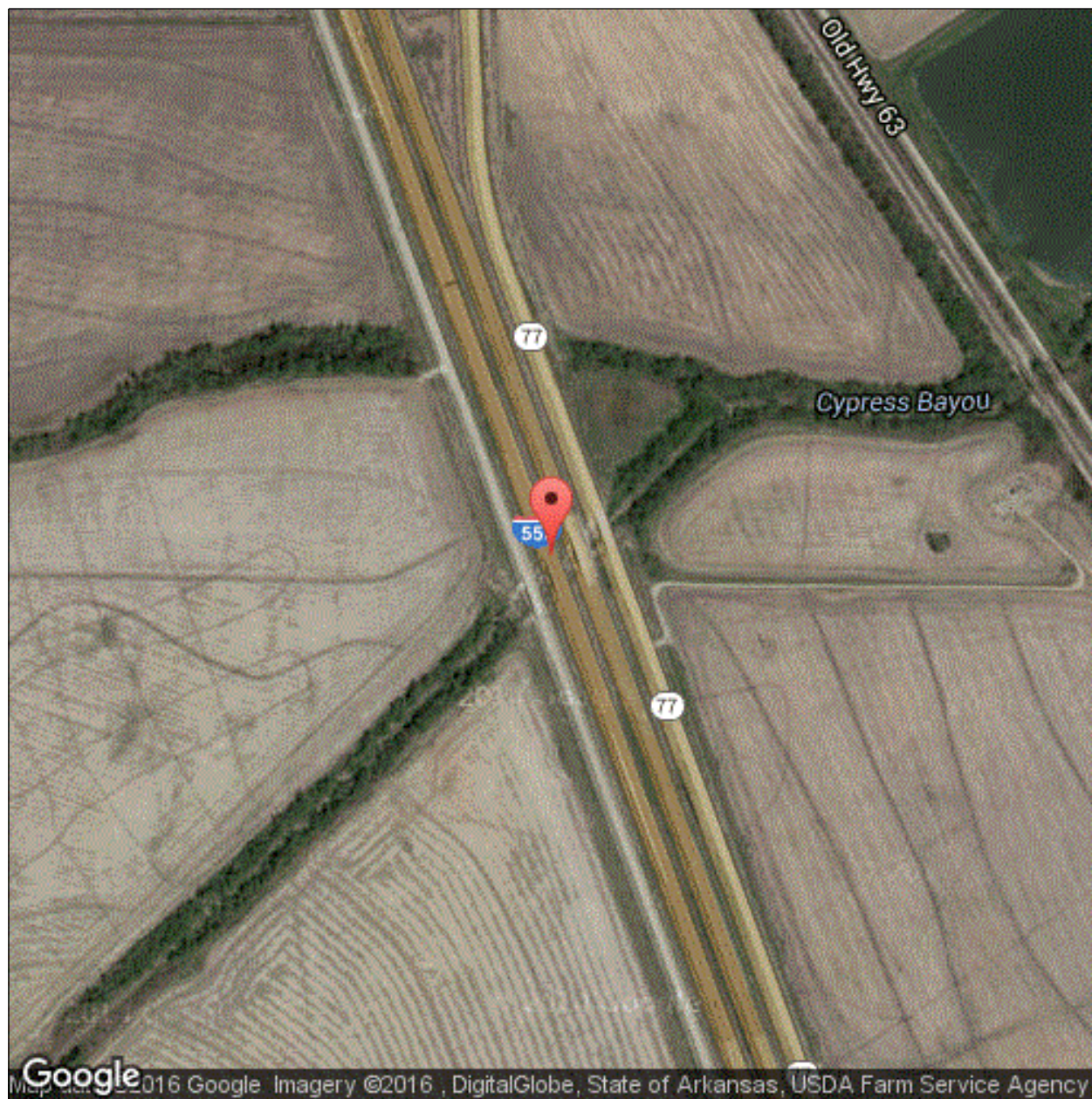
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Bridge Inspection Report

Executive Summary

4/09/2018-Highway63 has been renamed I-555 causing a log mile and log direction change.

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/09/2018
(8) STRUCTURE NUMBER	05539	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 3	(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	Little Cypress Bayou	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555Sb/Sec1/L0.97		
(9) LOCATION	2.87 Mi Se Poinsett Co Ln		
(11) MILEPOINT 0.97	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063100	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	35.40177	(17) LONGITUDE	-90.27844
(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: 1 - Concrete		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6
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	6
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	0
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1974	(106) YEAR RECONSTRUCTED	0000
(42) TYPE OF SERVICE	ON 1 UNDER 5	(31) DESIGN LOAD	5
(28) LANES	ON 02 UNDER 00	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(29) AVERAGE DAILY TRAFFIC	11484	(64) OPERATING RATING	60.0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(109) AVERAGE DAILY TRUCK TRAFFIC	24	(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	40	(49) STRUCTURE LENGTH (ft.)	122
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(67) STRUCTURAL EVALUATION	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(68) DECK GEOMETRY	6
(52) DECK WIDTH, OUT-TO-OUT (ft.)	41.8	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(71) WATERWAY ADEQUACY	8
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	20
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.4	(72) APPROACH ROADWAY ALIGNMENT	8
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(36) TRAFFIC SAFETY FEATURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36A) BRIDGE RAILINGS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	36B) TRANSITIONS:	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	96.9
		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	R
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT	6200	(103) TEMP STRUCTURE	
(115) YEAR OF FUTURE ADT	2033	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(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.	4999	sq. ft.	4149	850	0	0
	Joints raveled each span . Wearing surface has open map cracking each span. Soffit has hairline transverse cracks spaced 6" apart.						
1130 - Cracking (RC and Other)		850			850		
510 - Wearing Surfaces		4758	sq. ft.	0	4758	0	0
3220 - Crack (Wearing Surface)		4758			4758		
227 - Reinforced Concrete Pile	1- Ben.	22	each	12	10	0	0
	Bent #2 piles #1,2,3,4,5&6 have vertical cracks. Bent #3 piles #2,4,5&7 have vertical cracks.						
1130 - Cracking (RC and Other)		10			10		
234 - Reinforced Concrete Pier Cap	1- Ben.	182	ft.	176	1	5	0
	Bent #1 & 4 caps have vertical cracks. Bent #1 cap is undermined full length 2" - 1' exposing piles #3,5,6&7. Bent #2 has 5' spall on back face at centerline keyway with exposed rebar. rebar has no section loss. Bent #2 right end has 1' spall with no rebar exposed. Bent #4 cap is undermined full length 1" - 4" with pile # 6&7 exposed.						
1080 - Delamination/Spall/Patched Area		5				5	
1090 - Exposed Rebar		1			1		
301 - Pourable Joint Seal	1- Ben.	171	ft.	171			
	unable to see due to achm overlay.						
331 - Reinforced Concrete Bridge Railing	1- Ben.	240	ft.	240			

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

Description

Inspector:

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

Inspection Date:

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Facility Carried: I-555Sb/Sec1/L0.97

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 05539

Inspection Date:

Facility Carried: I-555Sb/Sec1/L0.97

Bridge Inspection Report

Maintenance Needs

Date Reported: 4/6/2011 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

ABUTMENT #2 SLOPE UNDER SPAN #3 IS ERODED TO 1:1 SLOPE WITHIN 5' OF ABUTMENT CAP.
(PILE AND BENT NUMBERS CHANGED DUE TO LOG DIRECTION CHANGE WHEN HWY 63 WAS RENAMED I555).

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 2 slope

Stage: Monitor



PHOTO 2 Description Abutment 2 slope.

Inspector:

Structure Number: 05539

Inspection Date:

Facility Carried: I-555Sb/Sec1/L0.97

Bridge Inspection Report

Maintenance Needs

Date Reported: 4/22/2013 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

BENT #1 CAP IS UNDERMINED 2" - 1' FULL LENGTH EXPOSING PILES #3,5,6,7.

BENT #4 CAP IS UNDERMINED 1" - 4" FULL LENGTH EXPOSING PILES #6&7.

(PILE AND BENT NUMBERS CHANGE DUE TO LOG DIRECTION CHANGE WHEN HWY 63 WAS RENAMED I555).

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 2 cap undermined

Stage: Monitor



PHOTO 2 Description Abutment 1 cap undermined

Inspector:

Inspection Date:

Structure Number: 05539

Facility Carried: I-555Sb/Sec1/L0.97

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Abutment 2 cap undermined.

Stage: Monitor



PHOTO 4 Description Abutment 1 cap undermined.

Inspector:

Structure Number: 05539

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 4/14/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

VEGETATION GROWING UNDER & BESIDE BRIDGE IN SPAN #1 & 3 RIGHT & LEFT SIDE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical vegetation.

Inspector:

Structure Number: 05539

Inspection Date:

Facility Carried: I-555Sb/Sec1/L0.97

Bridge Inspection Report

Maintenance Needs

Date Reported: 04/07/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Gutters are full of dirt and debris with vegetation growing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Gutters are full of dirt and debris with vegetation growing.