

Bridge Inspection Report

B6990
I-555NB/Sec1/L0.97
over
Little Cypress Bayou



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

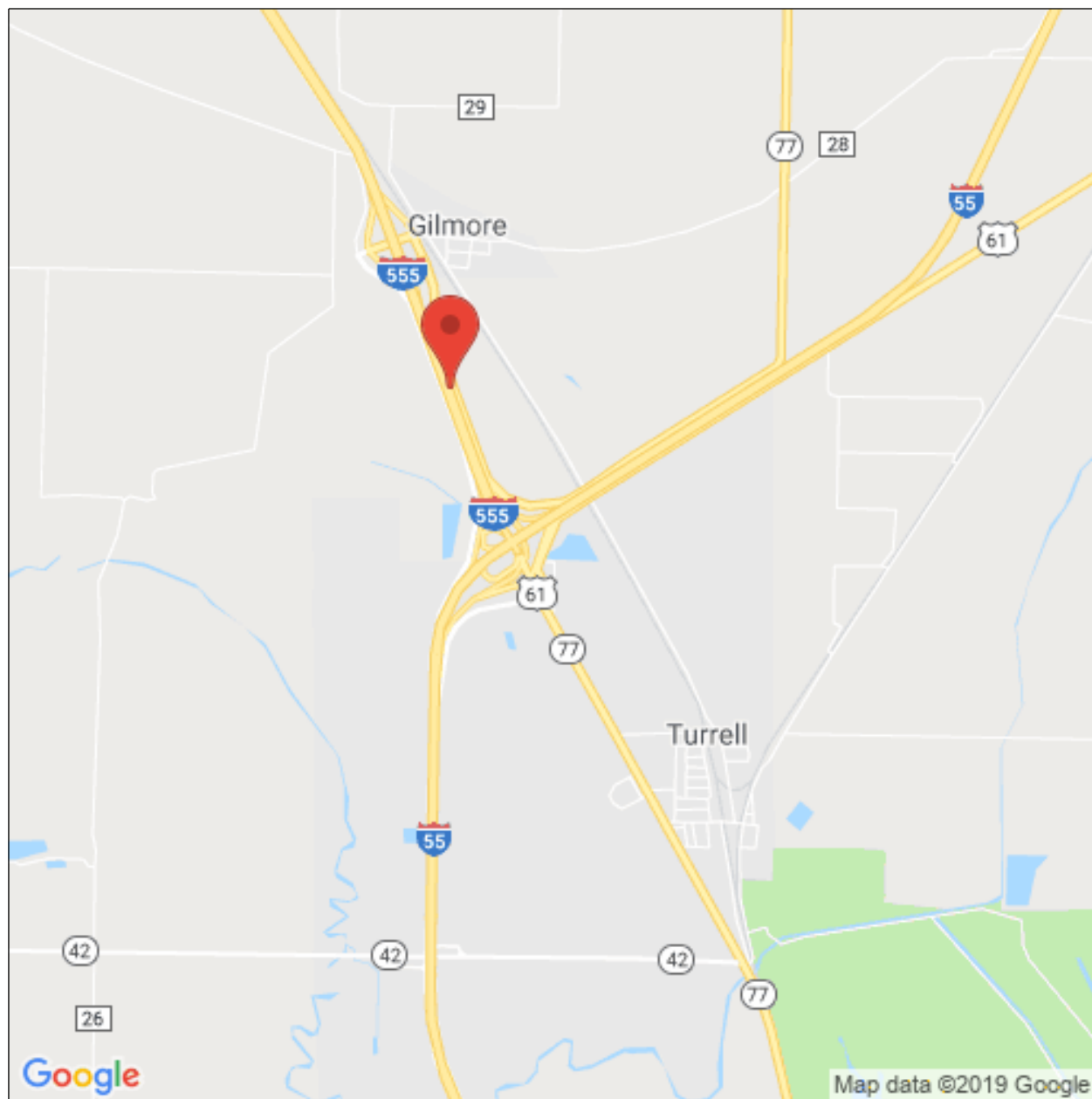
Inspection Date:

Structure Number: B6990

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

Bridge Inspection Report

Location Map



Latitude: 35.401875

Longitude: -90.278152

Inspector:

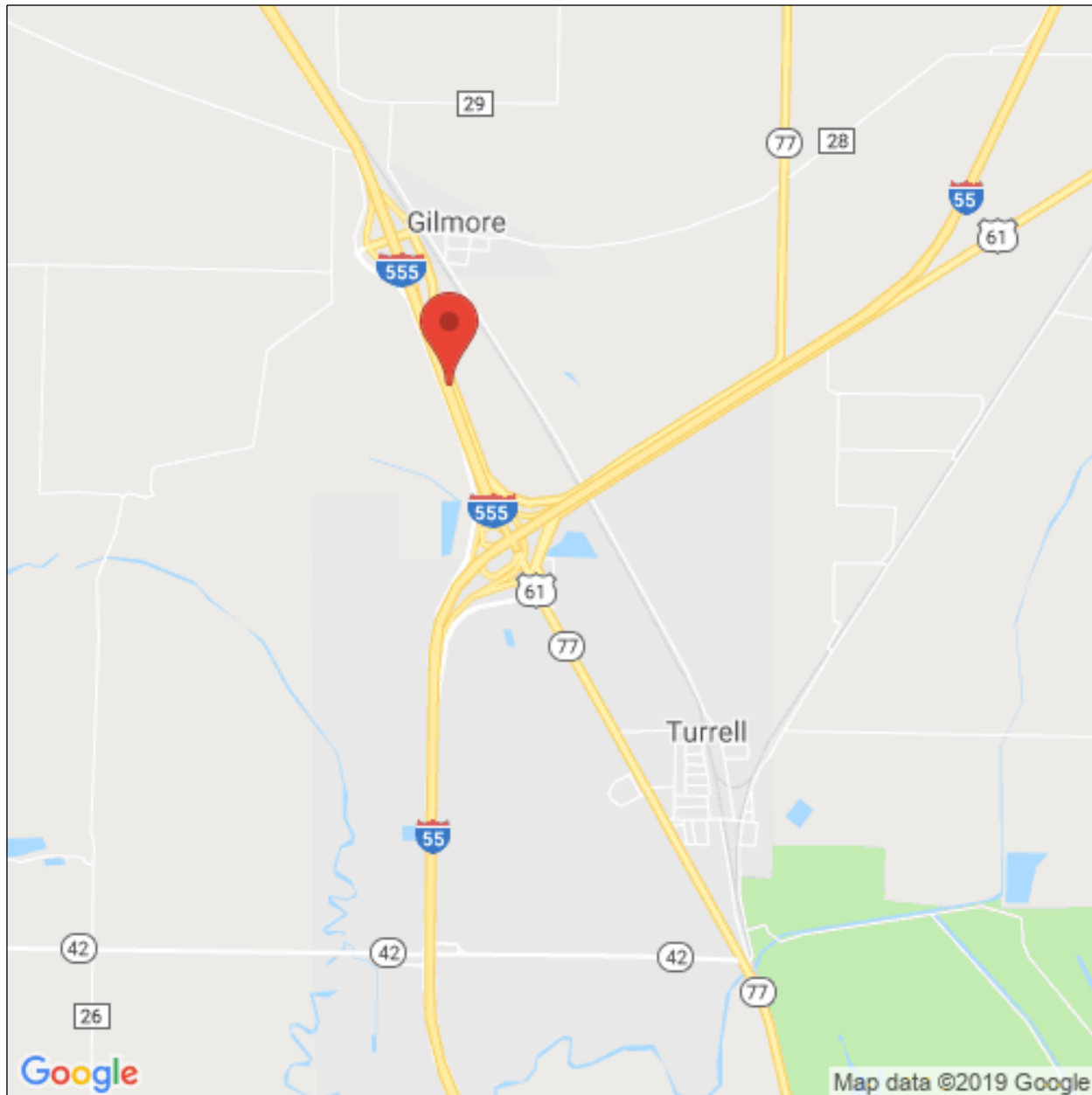
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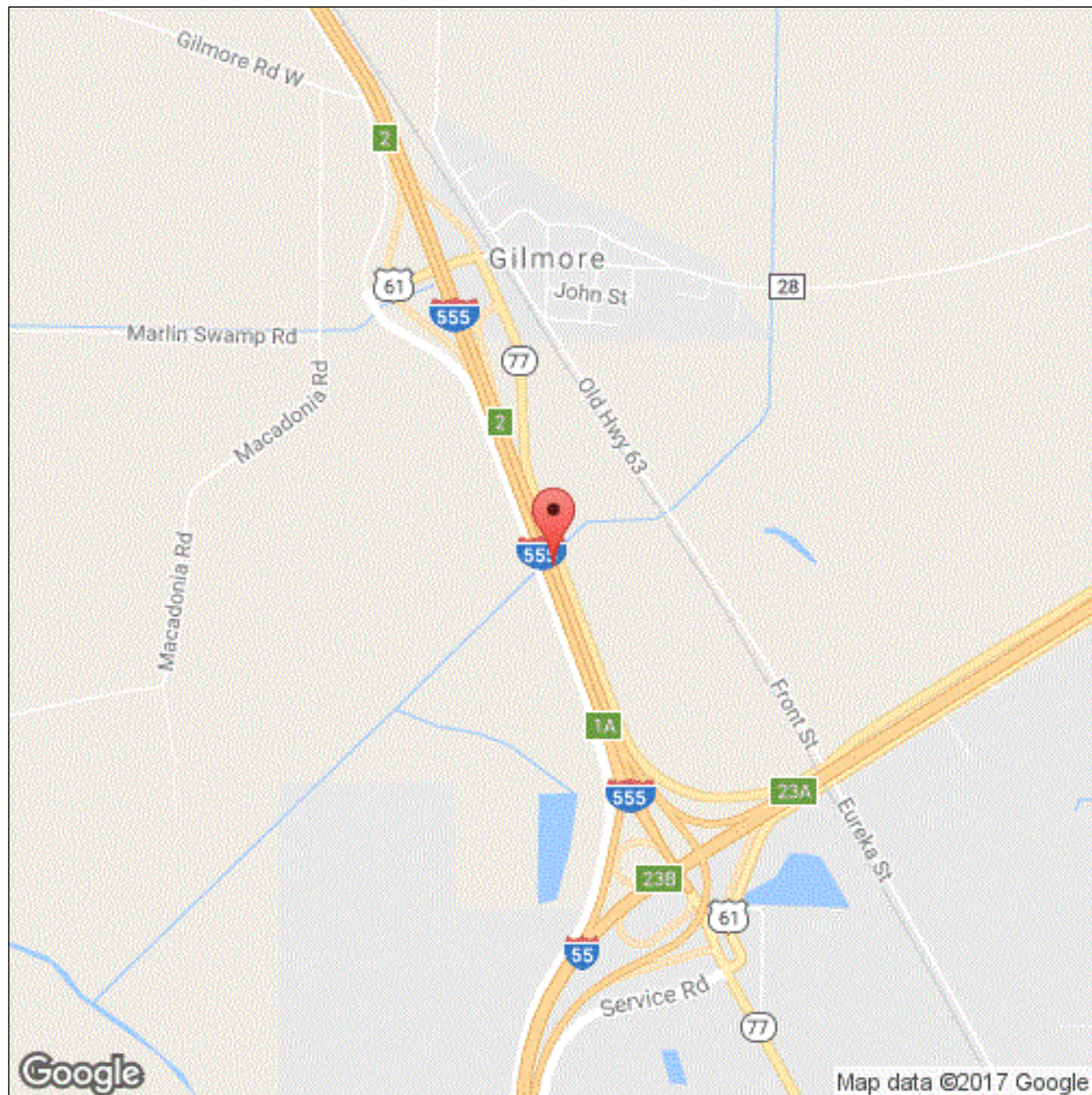
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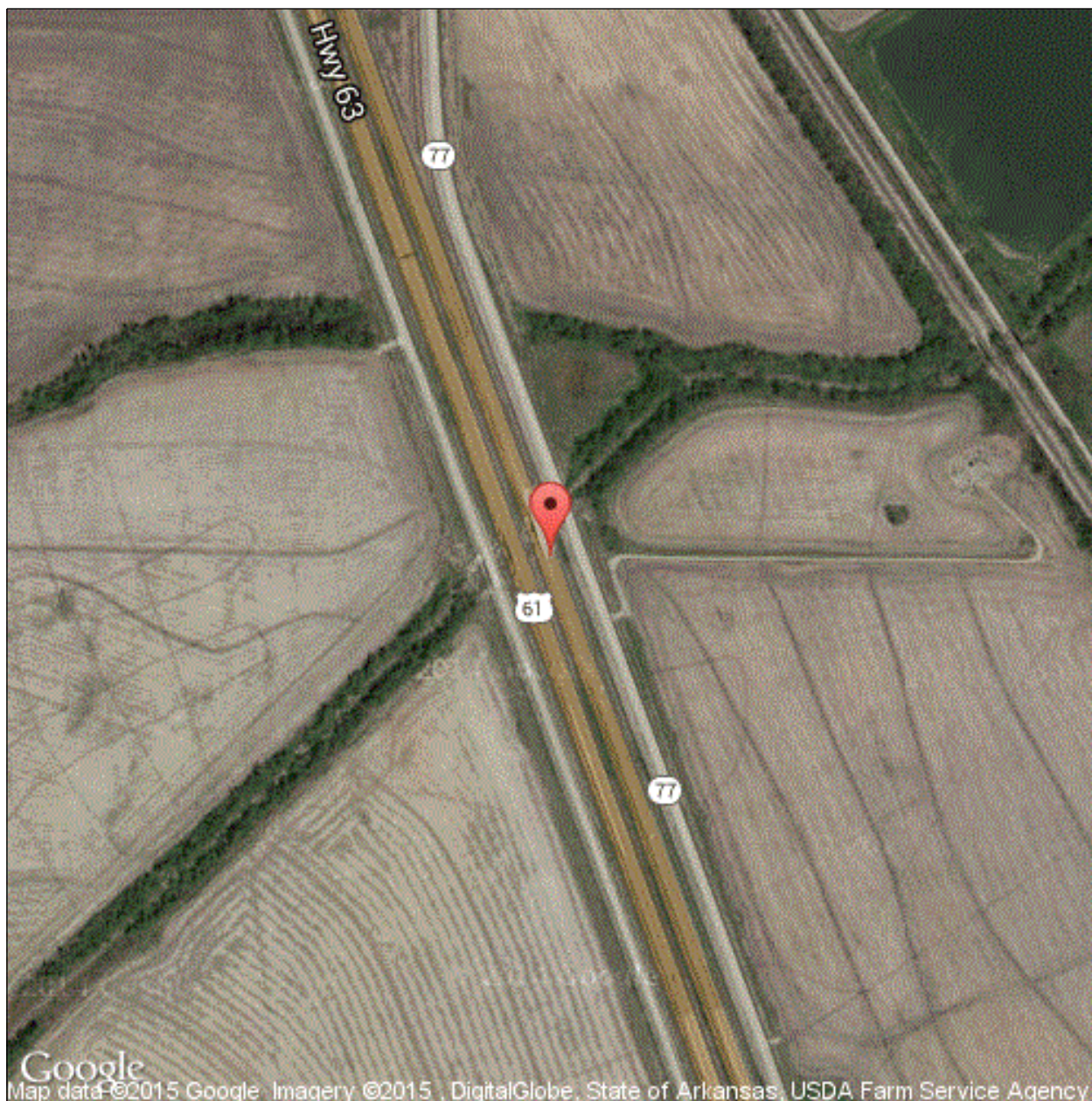
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/28/2019
(8) STRUCTURE NUMBER	B6990	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 555 1	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01	(3) COUNTY CODE	035
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	Little Cypress Bayou	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	I-555NB/Sec1/L0.97	C. OTHER SPECIAL	N
(9) LOCATION	.5 Mi North Jct Of I-55		
(11) MILEPOINT	0.97	(12) BASE HIGHWAY NETWORK	1
(13A) LRS INVENTORY ROUTE	0000006300	(13B) SUBROUTE NUMBER	-1
(16) LATITUDE	35.401875	(17) LONGITUDE	-90.278152
(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:	4 - Steel continuous	(59) SUPERSTRUCTURE	9
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(60) SUBSTRUCTURE	8
(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	2
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	1
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	2011	(106) YEAR RECONSTRUCTED	0000
(42) TYPE OF SERVICE	ON 1 UNDER 5	(31) DESIGN LOAD	A
(28) LANES	ON 02 UNDER 00	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(29) AVERAGE DAILY TRAFFIC	11000	(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.)	125.1
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(67) STRUCTURAL EVALUATION	8
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(68) DECK GEOMETRY	7
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43.2	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(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.)	40.0	(113) SCOUR CRITICAL BRIDGES	5
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	SUFFICIENCY RATING	85.0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	STATUS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	CLASSIFICATION	
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
		(100) STRAHNET HIGHWAY DESIGNATION	1
		(101) PARALLEL STRUCTURE DESIGNATION	R
		(102) DIRECTION OF TRAFFIC	1
		(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	5
PROPOSED IMPROVEMENTS		NAVIGATION DATA	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(38) NAVIGATION CONTROL	0
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(111) PIER OR ABUTMENT PROTECTION	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(39) NAV VERT CLEARANCE (ft.)	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(96) TOTAL PROJECT COST	0	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	6200	(115) YEAR OF FUTURE ADT	2033

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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.	5477	sq. ft.	4453	1024	0	0
Deck has longitudinal and transverse hairline cracks spaced six feet apart. Soffit overhangs have transverse cracks with light efflorescence spaced every ten feet. Gutters have debris in them.							
1120 - Efflorescence/Rust Staining		24		0	24	0	0
1130 - Cracking (RC and Other)		1000		0	1000	0	0
107 - Steel Open Girder/Beam	1- Ben.	620	ft.	620	0	0	0
515 - Steel Protective Coating		4204	sq. ft.	4204	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	114	ft.	110	4	0	0
Abutment back walls have vertical cracks a few with light efflorescence.							
1120 - Efflorescence/Rust Staining		4		0	4	0	0
225 - Steel Pile	1- Ben.	12	each	12	0	0	0
515 - Steel Protective Coating		206	sq. ft.	206	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	87	ft.	87	0	0	0
310 - Elastomeric Bearing	1- Ben.	20	each	20	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	2136	sq. ft.	2096	40	0	0
Approach slabs have sealed and unsealed transverse cracks.							
1130 - Cracking (RC and Other)		40		0	40	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	251	ft.	176	75	0	0
Rails have vertical cracks spaced every three feet.							
1130 - Cracking (RC and Other)		75		0	75	0	0

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Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 1

Description

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Bridge Inspection Report

Pictures

PHOTO 2

Description

PHOTO 2

Description

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Bridge Inspection Report

Pictures

PHOTO 3

Description

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/23/2013 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Northwest side of bridge - slope has slid leaving a vertical face four feet deep.
Abutment #2 right side has eroded area up to three feet deep.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description abutment 2 right side has eroded area up to 3' deep.

Stage: Monitor



PHOTO 2 Description Slide north west side of bridge.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Abutment #2 left side.

Stage: Monitor



PHOTO 4 Description Abutment #2 right side

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2019

Priority: C - Important

Work Code: N/A

Deficiency Description:

Abutment #1 left side slope has eroded and slide areas four feet deep extending down slope.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 1 left side slope.

Stage: Monitor



PHOTO 2 Description Abutment #1 left side.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2019

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Gutters have debris in them.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Gutters have debris in them.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 05/28/2019

Priority: D - Routine

Work Code: N/A

Deficiency Description:

Deck has longitudinal and transverse hairline cracks spaced six feet apart.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Typical deck