

Bridge Inspection Report

07012
I-555NB-02-LM 7.78
over
Dead Timber Lake



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

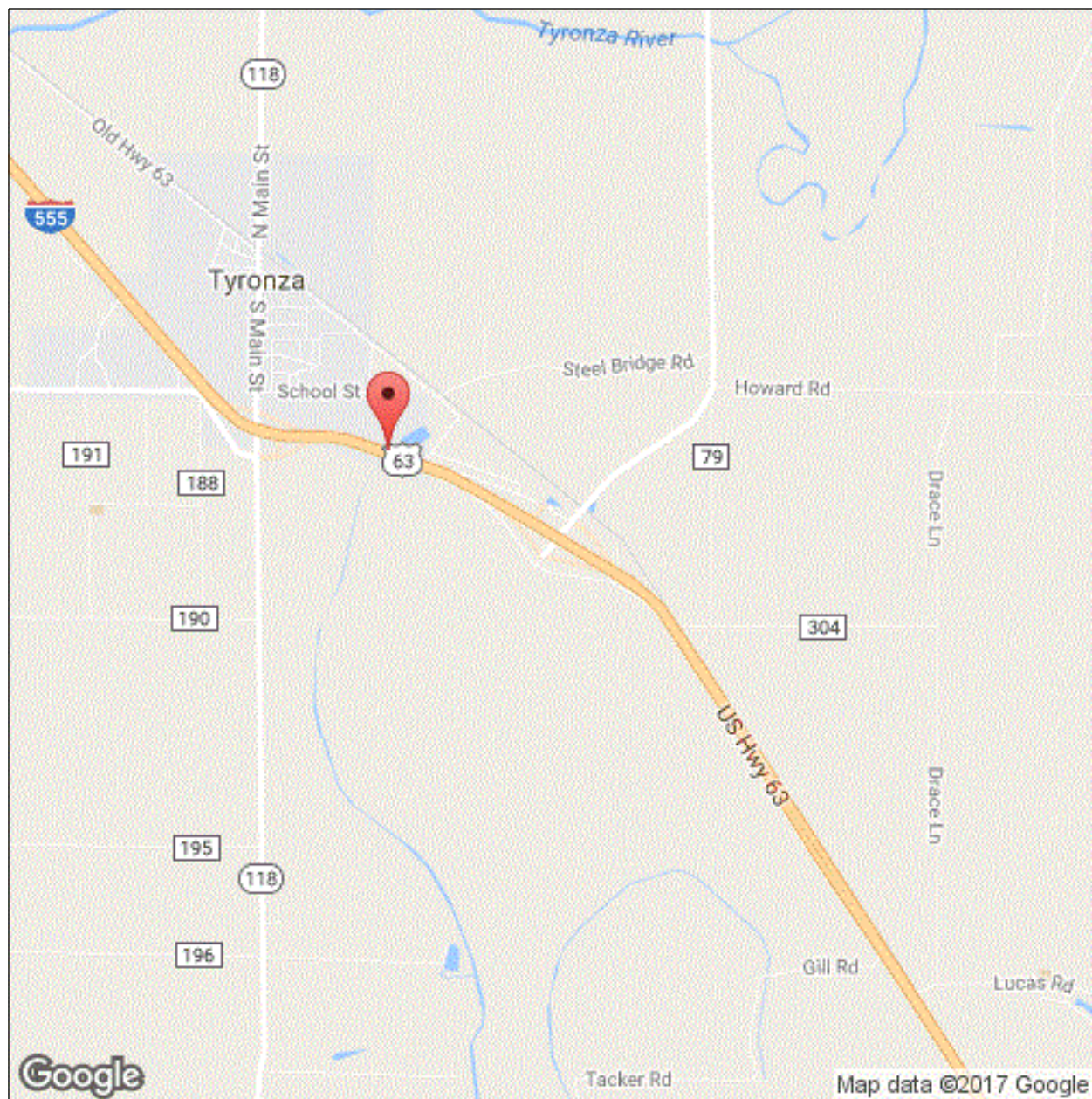
Structure Number: 07012

Inspection Date:

Facility Carried: I-555NB-02-LM 7.78

Bridge Inspection Report

Location Map



Latitude: 35.47908

Longitude: -90.34834

Inspector:

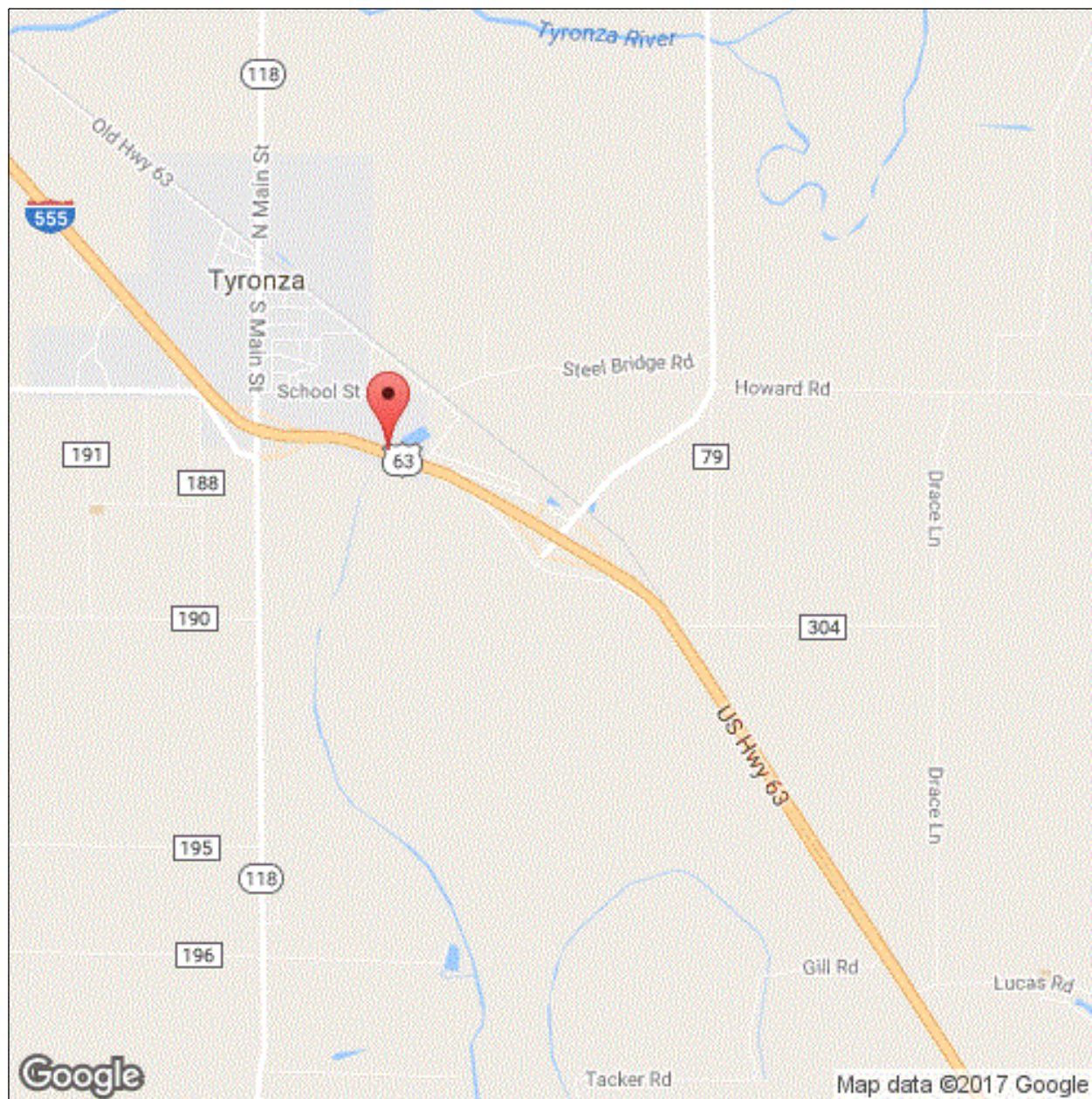
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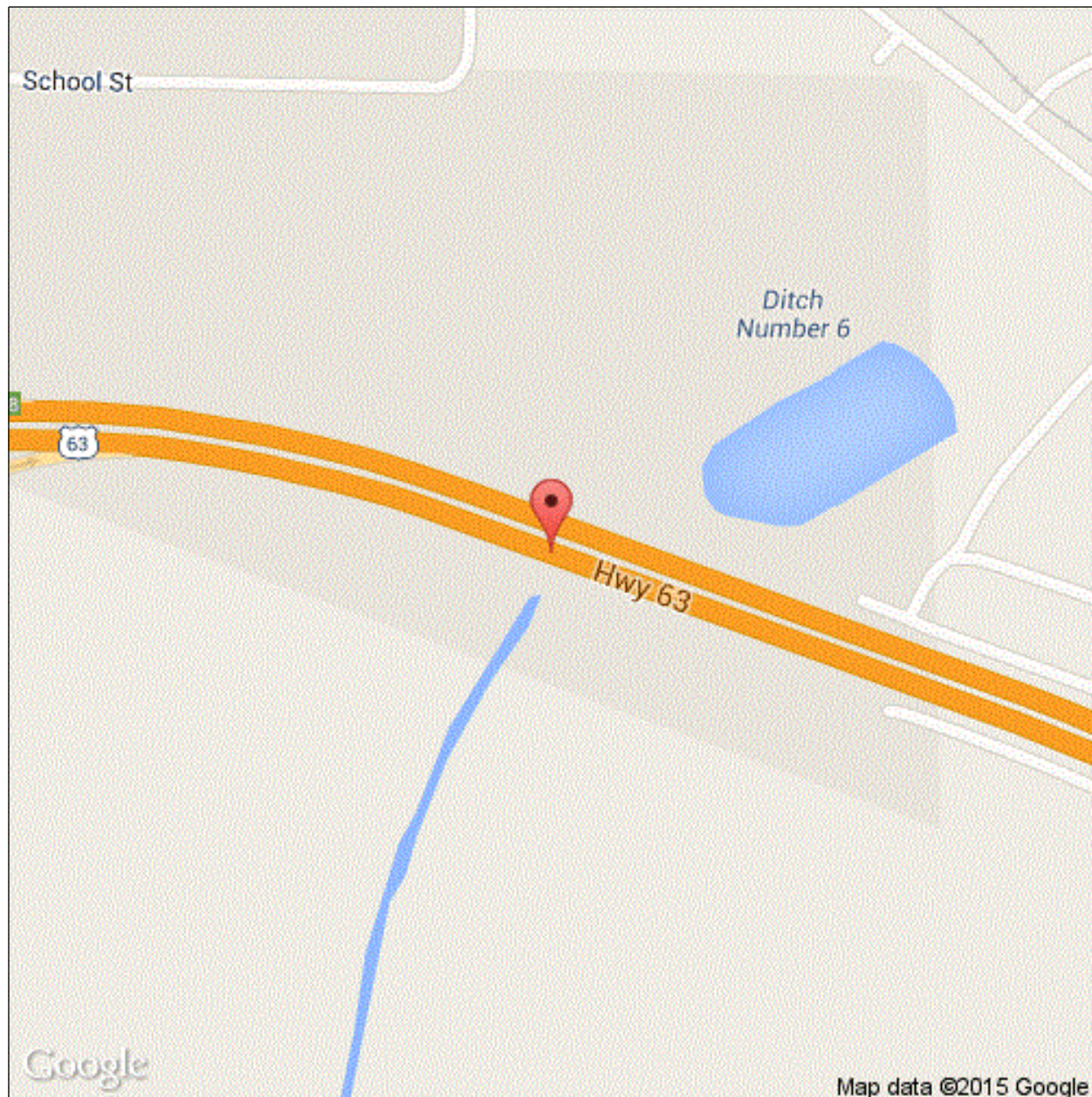
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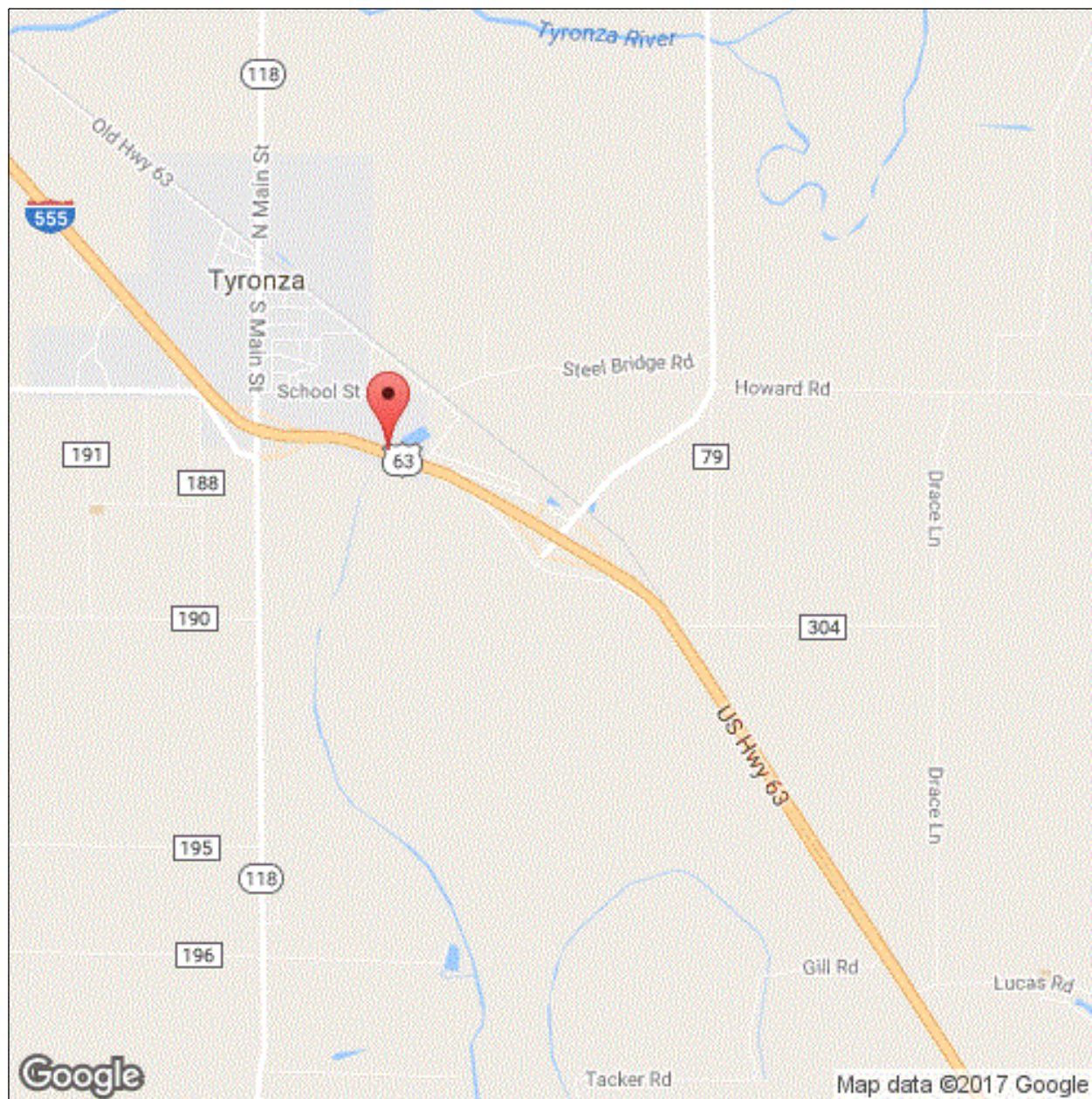
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Bridge Inspection Report

Executive Summary

Inspector:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/10/2019
(8) STRUCTURE NUMBER	07012	(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	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Dead Timber Lake	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555NB-02-LM 7.78		
(9) LOCATION	.5 M SE of Jct. SH 118		
(11) MILEPOINT 7.78	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000063090 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	35.47908 (17) LONGITUDE -90.34834		
(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 (60) SUBSTRUCTURE 8
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	3 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	2005 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	5
(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	60.0
(29) AVERAGE DAILY TRAFFIC	12000 (19) BYPASS DETOUR LENGTH	(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	18	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	40 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43.1	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(72) APPROACH ROADWAY ALIGNMENT	6
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.8	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	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	6209 (115) YEAR OF FUTURE ADT	(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	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(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.	5226	sq. ft.	3352	1874	0	0
1120 - Efflorescence/Rust Staining		45		0	45	0	0
1130 - Cracking (RC and Other)		1829		0	1829	0	0
107 - Steel Open Girder/Beam	1- Ben.	720	ft.	720	0	0	0
515 - Steel Protective Coating		6604	sq. ft.	6604	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	114	ft.	102	0	12	0
1120 - Efflorescence/Rust Staining		12		0	0	12	0
225 - Steel Pile	1- Ben.	14	each	14	0	0	0
515 - Steel Protective Coating		1715	sq. ft.	858	0	857	0
3440 - Effectiveness (Steel Protective Coatings)		857		0	0	857	0
234 - Reinforced Concrete Pier Cap	1- Ben.	89	ft.	89	0	0	0
310 - Elastomeric Bearing	1- Ben.	12	each	12	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	1752	sq. ft.	1511	0	241	0
1130 - Cracking (RC and Other)		241		0	0	241	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	242	ft.	158	84	0	0
1130 - Cracking (RC and Other)		84		0	84	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

Inspector:

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Bridge Inspection Report

Sketches

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/1/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Concrete Approach Gutter near Bent 1 has a 15ft. x up to 4ft. x up to 1ft. deep void under concrete, see 2017 photo. North East Approach Roadway right side has eroded causing a 6ft. x up to 4ft. x 2ft. deep hole 1 ft back under at end of approach gutter, see 2017 & 2019 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

copy to Poinsett crew

Concrete Approach Gutter near Bent 1 has been repaired as of this inspection JFA/CWS

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description RT GUTTER at bent 1

Stage: Monitor



PHOTO 4 Description

Stage: Monitor



PHOTO 5 Description

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Bridge Inspection Report

Maintenance Needs

Date Reported: 8/1/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Approach Roadway

1 in to 1 1/2 in. settlement to both bridge ends.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: 07012

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Bridge Inspection Report

Maintenance Needs

Date Reported: 04/17/2017

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Right side Embankment near Bents 1&4 has some erosion from roadway runoff.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

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Maintenance Needs

Date Reported: 04/17/2017

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

Full Encased Steel Shell Piles are beginning to rust at waterline.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description