

Bridge Inspection Report

A7170
I-555-02 SB
over
Tyronza River



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

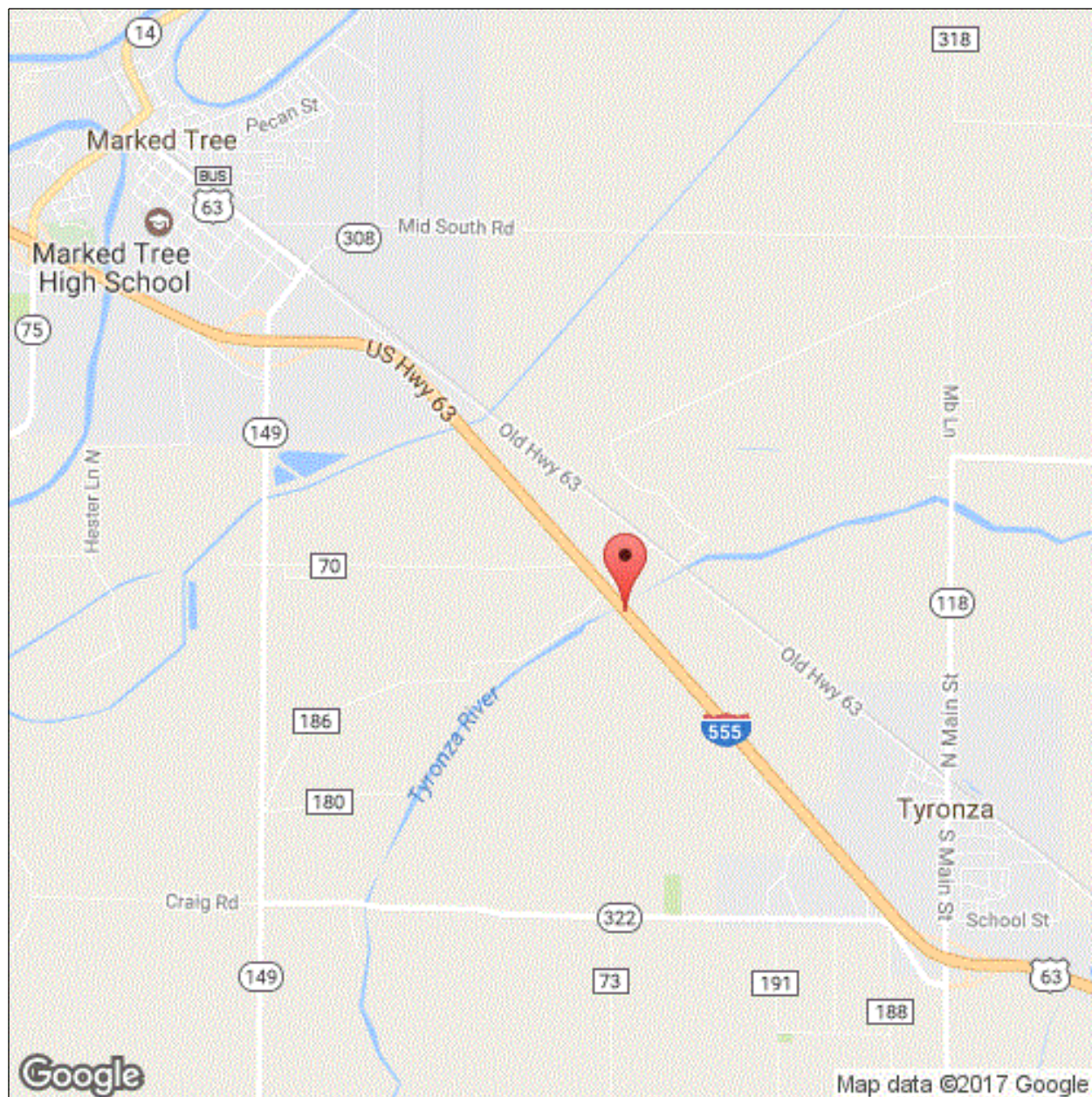
Structure Number: A7170

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Bridge Inspection Report

Location Map



Latitude: 35.50263

Longitude: -90.38406

Inspector:

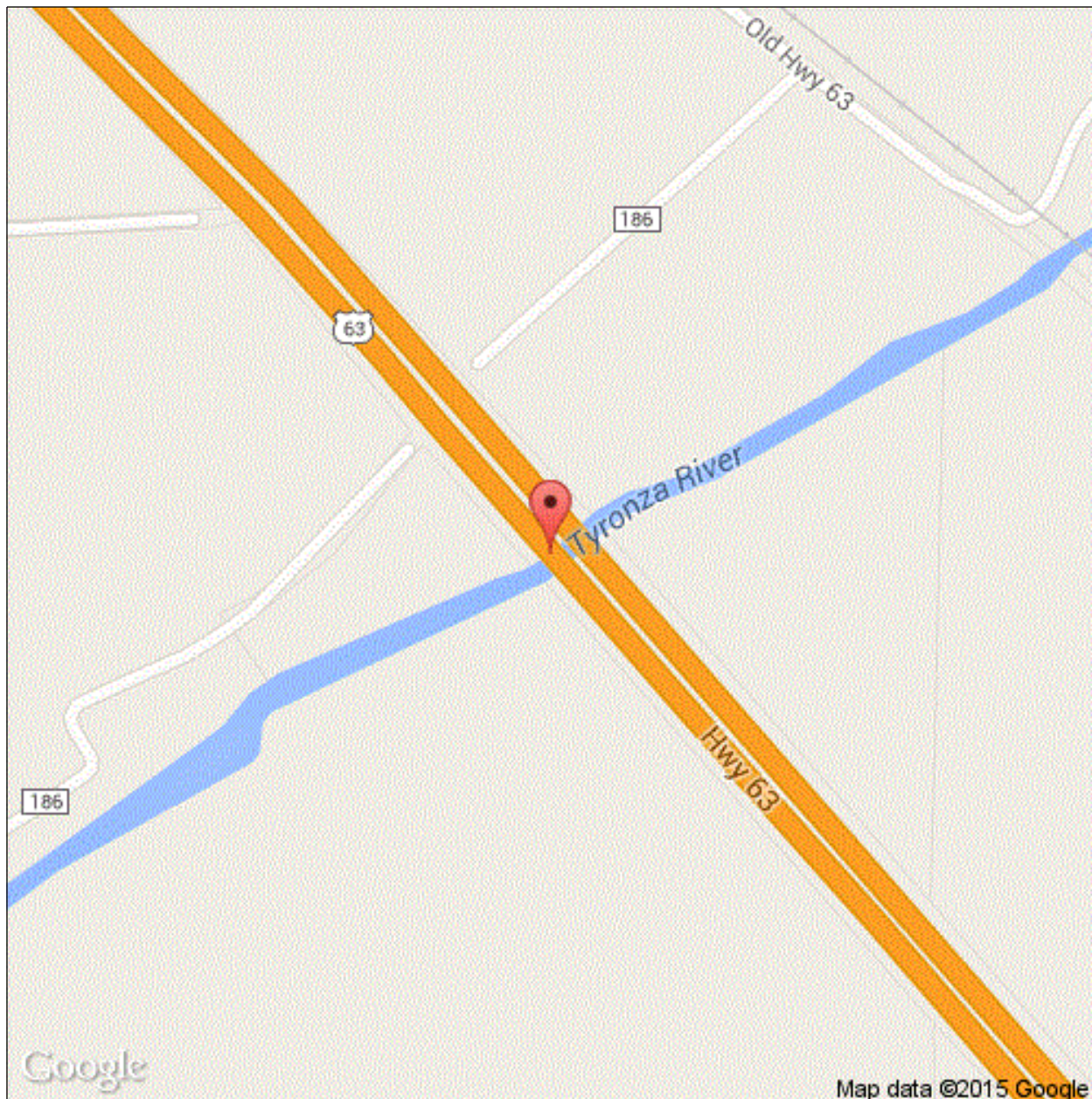
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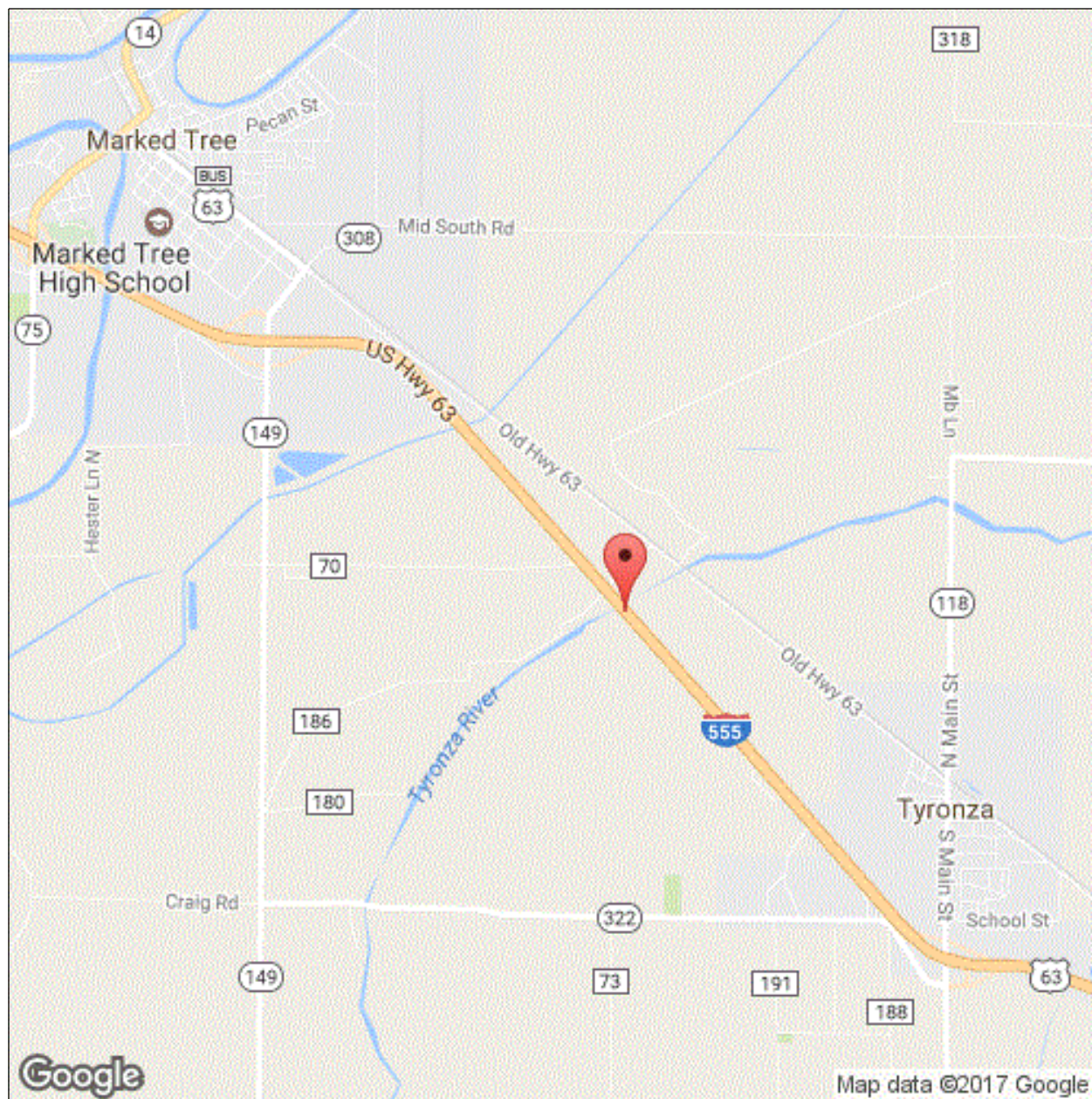
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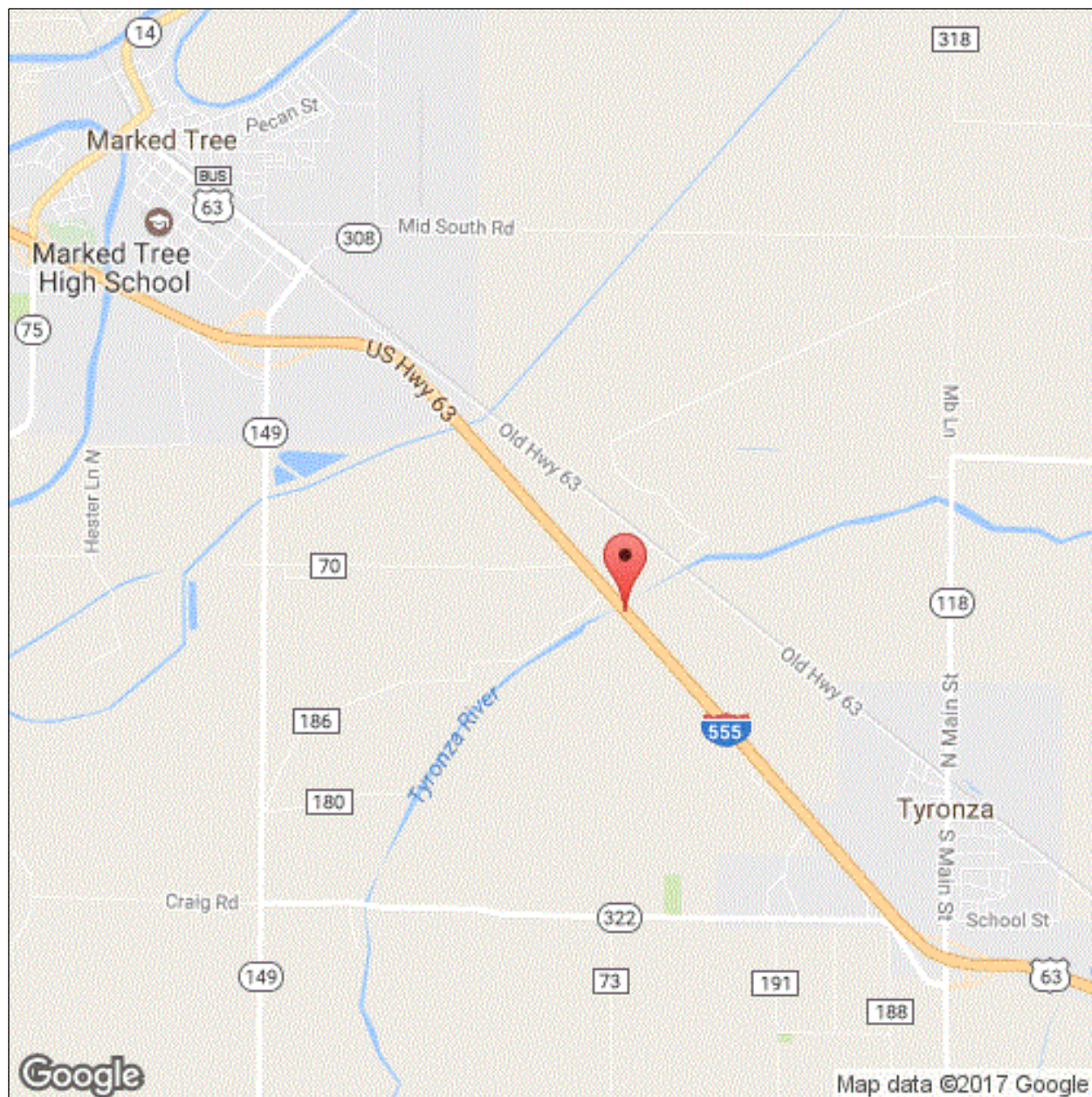
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Executive Summary

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/25/2019
(8) STRUCTURE NUMBER	A7170	(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	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Tyrnza River	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I-555-02 SB		
(9) LOCATION	3.19 M S of Jct. SH 75	CONDITION	
(11) MILEPOINT 10.47	(12) BASE HIGHWAY NETWORK 0	(58) DECK	8
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	8 (60) SUBSTRUCTURE 9
(16) LATITUDE 35.50263	(17) LONGITUDE -90.38406	(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	A
		(63) METHOD USED TO DETERMINE OPERATING RATING	1
		(64) OPERATING RATING	60.0
		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
		(66) INVENTORY RATING	36.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
STRUCTURE TYPE AND MATERIAL		APPRAISAL	
(43) STRUCTURE TYPE, MAIN		(67) STRUCTURAL EVALUATION	8
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(68) DECK GEOMETRY	7
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(44) STRUCTURE TYPE, APPROACH SPANS		(71) WATERWAY ADEQUACY	7
A) KIND OF MATERIAL/DESIGN:	0 - Other	(72) APPROACH ROADWAY ALIGNMENT	7
B) TYPE OF DESIGN/CONSTR:	00 - Other	(36) TRAFFIC SAFETY FEATURE	
(45) NUMBER OF SPANS IN MAIN	5 (46) NUMBER OF APPROACH	36A) BRIDGE RAILINGS:	1
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	36B) TRANSITIONS:	1
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	36C) APPROACH GUARDRAIL:	1
	1	36D) APPROACH GUARDRAIL ENDS:	1
AGE OF SERVICE		(113) SCOUR CRITICAL BRIDGES	5
(27) YEAR BUILT	2011 (106) YEAR RECONSTRUCTED	SUFFICIENCY RATING	98.0 STATUS 0
(42) TYPE OF SERVICE	ON 1 UNDER 5	CLASSIFICATION	
(28) LANES	ON 02 UNDER 00	(112) NBIS BRIDGE LENGTH	Y
(29) AVERAGE DAILY TRAFFIC	12300 (19) BYPASS DETOUR LENGTH	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(109) AVERAGE DAILY TRUCK TRAFFIC	24	(100) STRAHNET HIGHWAY DESIGNATION	1
GEOMETRIC DATA		(101) PARALLEL STRUCTURE DESIGNATION	L
(48) LENGTH OF MAX SPAN (ft.)	64 (49) STRUCTURE LENGTH (ft.)	(102) DIRECTION OF TRAFFIC	1
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(103) TEMP STRUCTURE	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(105) FEDERAL LANDS HIGHWAYS	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43.2	(110) DESIGNATED NATIONAL NETWORK	1
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(20) TOLL	3
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(22) OWNER	01
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40.8	(37) HISTORICAL	4
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	NAVIGATION DATA	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(38) NAVIGATION CONTROL	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(111) PIER OR ABUTMENT PROTECTION	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(39) NAV VERT CLEARANCE (ft.)	0
PROPOSED IMPROVEMENTS		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	8750 (115) YEAR OF FUTURE ADT		
	2029		

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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.	13047	sq. ft.	10381	2573	93	0
1120 - Efflorescence/Rust Staining		93		0	0	93	0
1130 - Cracking (RC and Other)		2573		0	2573	0	0
107 - Steel Open Girder/Beam	1- Ben.	1500	ft.	1500	0	0	0
515 - Steel Protective Coating		15474	sq. ft.	15474	0	0	0
205 - Reinforced Concrete Column	1- Ben.	4	each	4	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	125	ft.	123	1	1	0
1120 - Efflorescence/Rust Staining		1		0	0	1	0
1130 - Cracking (RC and Other)		1		0	1	0	0
225 - Steel Pile	1- Ben.	12	each	12	0	0	0
515 - Steel Protective Coating		6782	sq. ft.	6782	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	166	ft.	164	2	0	0
1130 - Cracking (RC and Other)		2		0	2	0	0
301 - Pourable Joint Seal	1- Ben.	88	ft.	88	0	0	0
310 - Elastomeric Bearing	1- Ben.	30	each	30	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	1922	sq. ft.	1706	0	216	0
1130 - Cracking (RC and Other)		216		0	0	216	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	604	ft.	410	194	0	0
1130 - Cracking (RC and Other)		194		0	194	0	0

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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

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Maintenance Needs