

Bridge Inspection Report

19035
Arkadelphia Walnut
over
CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

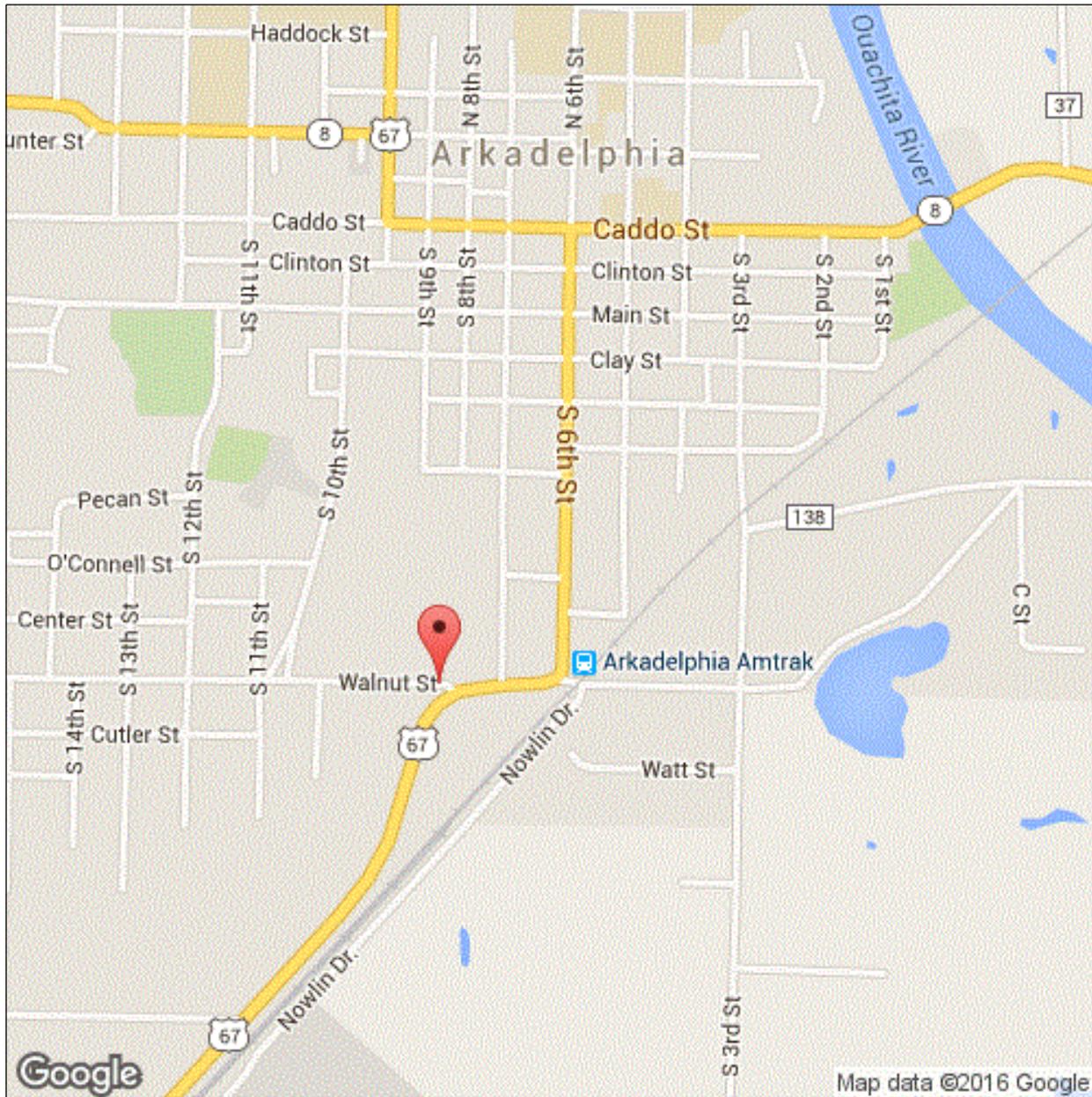
Structure Number: 19035

Inspection Date:

Facility Carried: Arkadelphia Walnut

Bridge Inspection Report

Location Map



Latitude: 34.11358

Longitude: -93.05625

Inspector:

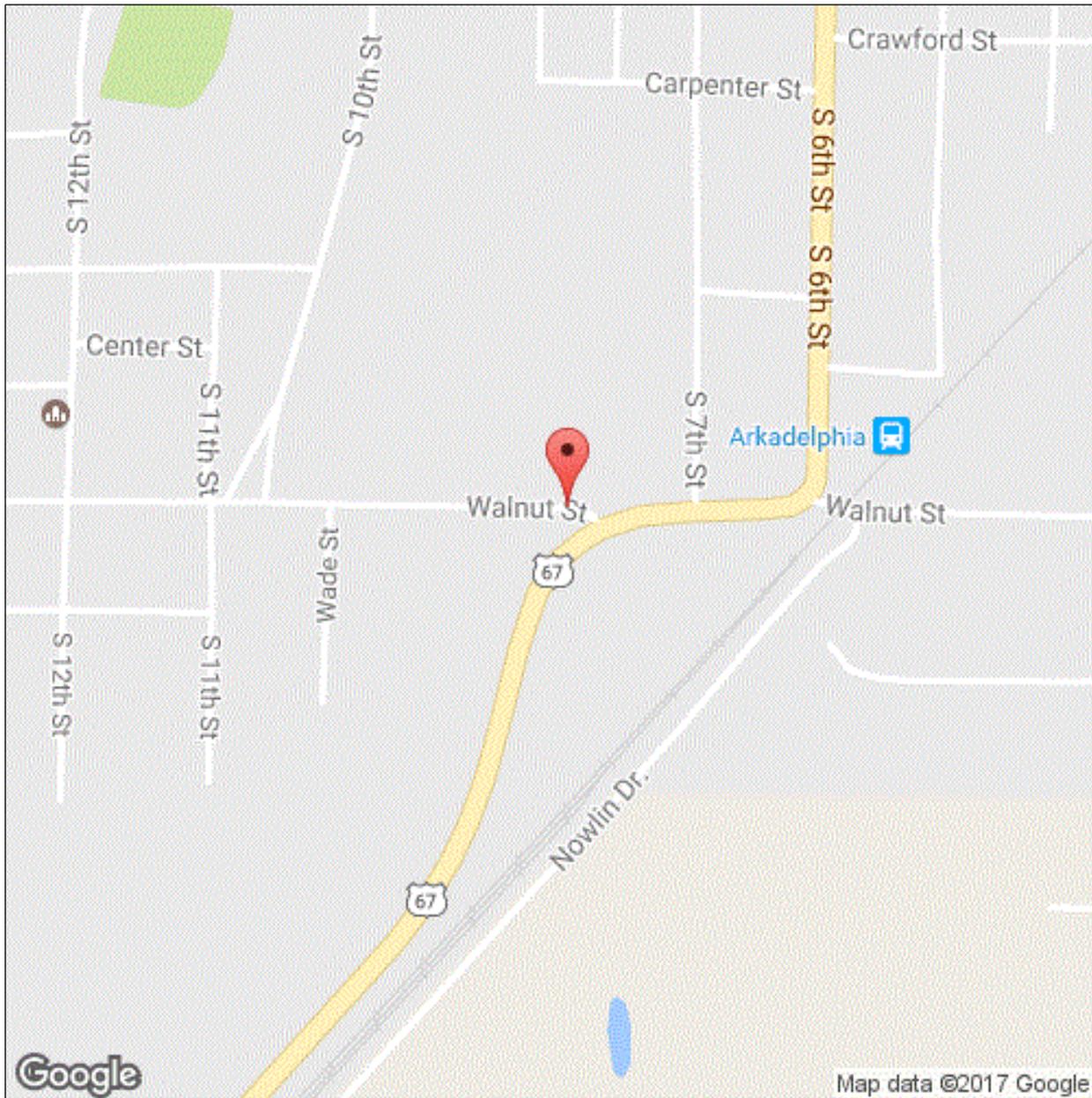
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Location Map



Latitude: 34.11358

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Inspector:

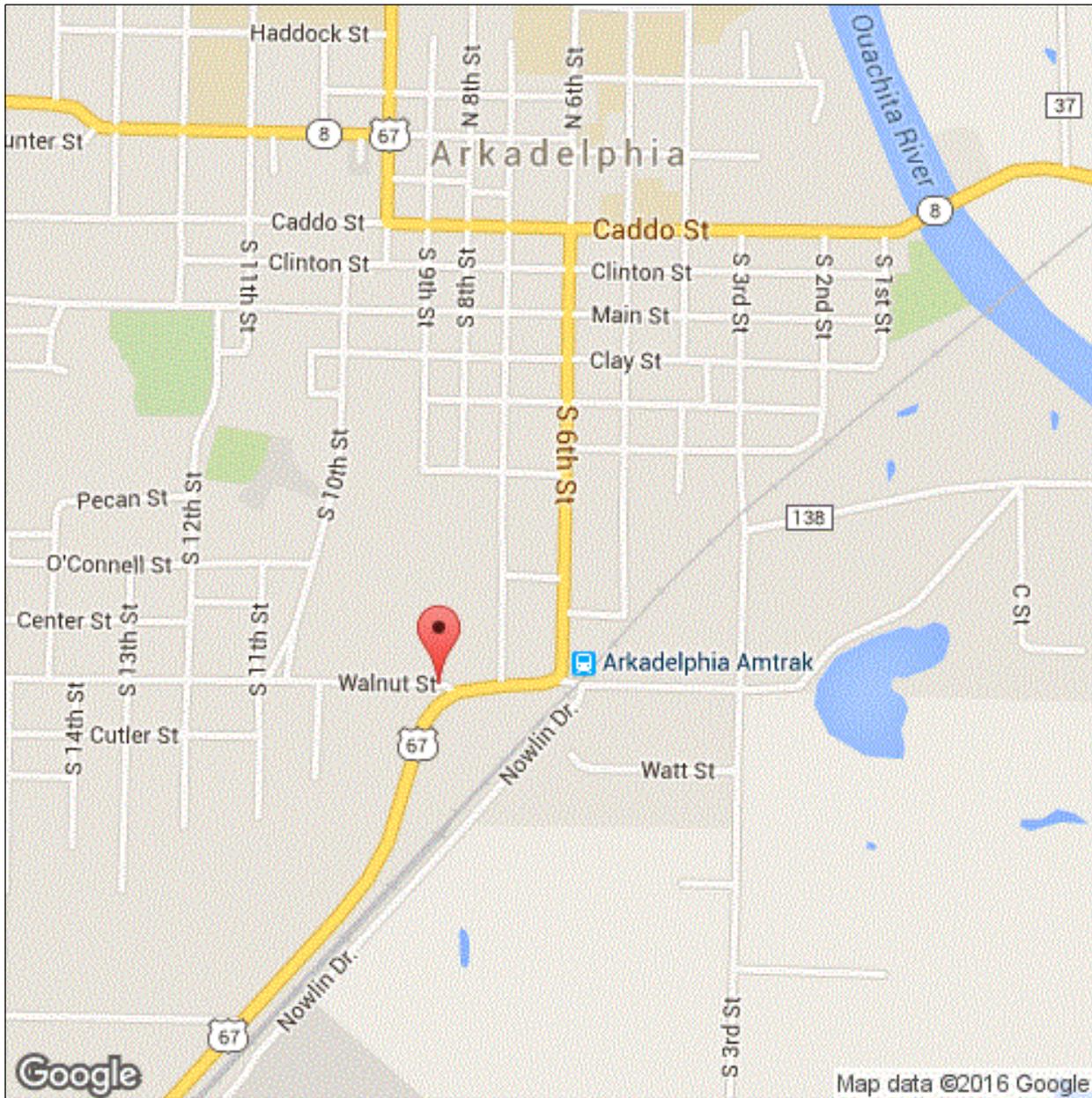
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Location Map



Latitude: 34.11358

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Inspector:

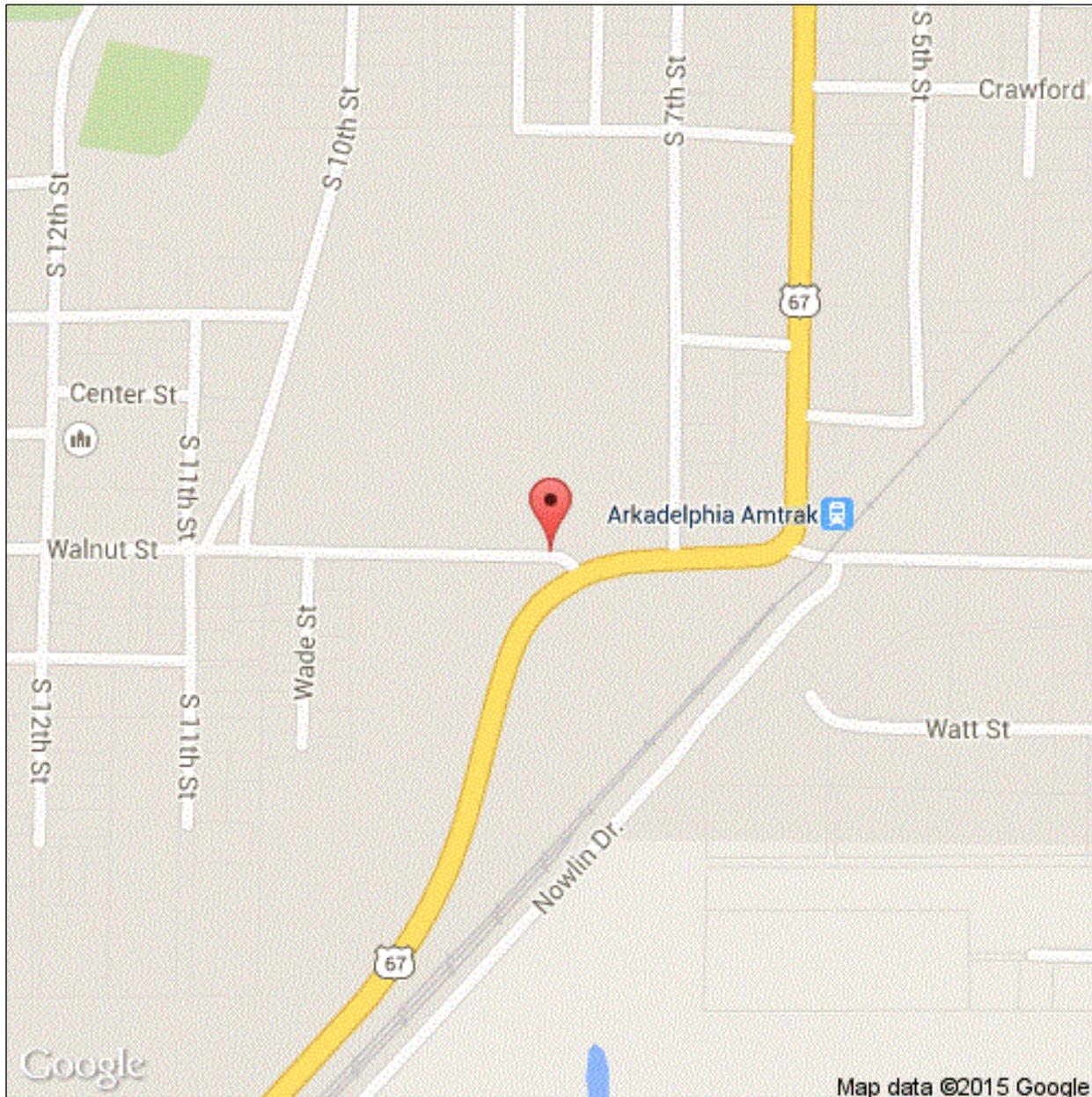
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Inspection Date:

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Location Map



Latitude: 34.11358

Longitude: -93.05625

Inspector:

Inspection Date:

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Bridge Inspection Report

Executive Summary

04/25/2018 JPR -- This structure is logged from West to East.

Inspector:

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Inspection Date:

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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/25/2018
(8) STRUCTURE NUMBER	19035	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 5 1 60540 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 019	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	01720	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CREEK	C. OTHER SPECIAL	Y 24 04/19/2017
(7) FACILITY CARRIED	Arkadelphia Walnut	CONDITION	
(9) LOCATION	.1 MI W JCT US 67	(58) DECK	7
(11) MILEPOINT 0.680	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	4 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(16) LATITUDE 34.11358	(17) LONGITUDE -93.05625	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	2
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	6
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	4
B) TYPE OF DESIGN/CONSTR:	04 - Tee Beam	(70) BRIDGE POSTING	0
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	P
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	2
(45) NUMBER OF SPANS IN MAIN	2 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	2
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	7
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	7
(27) YEAR BUILT	1948 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 5	36A) BRIDGE RAILINGS:	0
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	2737 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	1987	36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	18.9 STATUS 1
(48) LENGTH OF MAX SPAN (ft.)	15 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.3	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25.3	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	16
(32) APPROACH ROADWAY WIDTH (ft.)	23.0	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	23.3	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	04
PROPOSED IMPROVEMENTS		(22) OWNER	04
(75A) TYPE OF WORK PROPOSED	31 (75B) WORK DONE BY	(37) HISTORICAL	4
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	54.0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	187	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	323	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	3303 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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Bridge Inspection Report

Element Inspection

- No items available

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Bridge Inspection Report

Pictures

PHOTO 1

Description

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Bridge Inspection Report

Maintenance Needs

Date Reported: 5/15/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Substructure components (Pier Wall)

Pier wall abutment 1 Construction joint 8' from Rt. side of bridge, @ the bottom of the wall, there is about 1 1/2" gap in the wall. Just Lt. of construction joint it appears that there is no footing beneath the abutment wall, and channel is scouring beneath the wall. Pier wall bent 2 cracked near center, with possible settlement. Bt. 2 cap has a 1/2" gap and is cracked 2 jct. with G3.

Work Description:

Date Repairs Completed: 04/12/2016

Maintenance Comments:

Stage: Forward Local

Stage: Forward Local

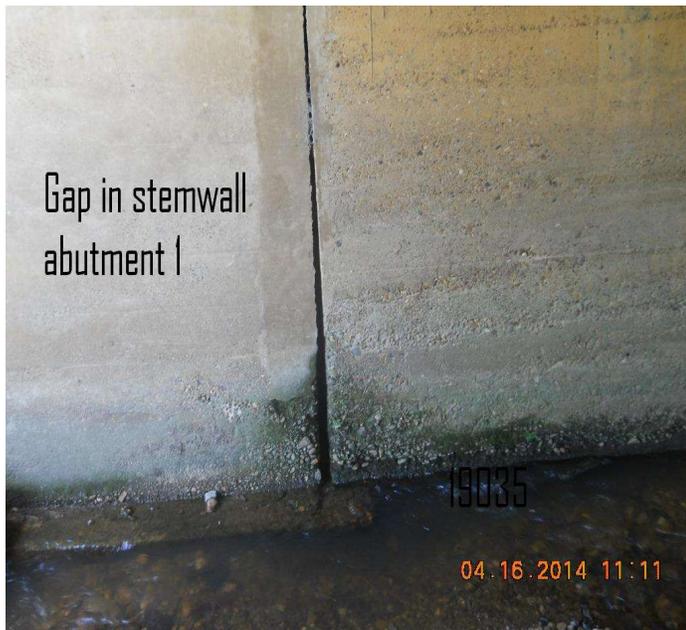


PHOTO 1 Description Abutment 1, gap in stem wall.

PHOTO 2 Description Bent 2, gap between cap and stem wall.

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Maintenance Needs

Date Reported: 5/15/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Concrete Girders have numerous spalled, cracked and delaminated areas, with exposed steel, steel has been painted. Span 1 Girder 1 large spalled area with exposed steel. Span 1 Girder 3 large spalled area with exposed steel with section loss. Span 2 Girder 3 spalled area with exposed steel with some section loss. Span 2 girder 2 small spall with exposed steel. Span 2 Girder 1 has a 3' spall @ mid span.

Work Description:

Date Repairs Completed: 04/12/2016

Maintenance Comments:

Stage: Forward Local

Stage: Forward Local



PHOTO 1 Description Span 1 girder 1 spall with exposed steel.

PHOTO 2 Description Span 1 girder 3, spall with exposed steel.

Inspector:

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Maintenance Needs

Stage: Forward Local



PHOTO 3 Description Span 2 girder 3, spall with exposed steel.

Stage: Forward Local



PHOTO 4 Description Span 2 Girder 1 has a 3' spall @ mid span.

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Maintenance Needs

Date Reported: 04/25/2018

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 1 Lt. Br. Rail has collision damage to the 1st and 2nd posts.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Rail damage left side