

Bridge Inspection Report

03637
US 167 S-4 LM 17.5
over
SL-SW RR



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

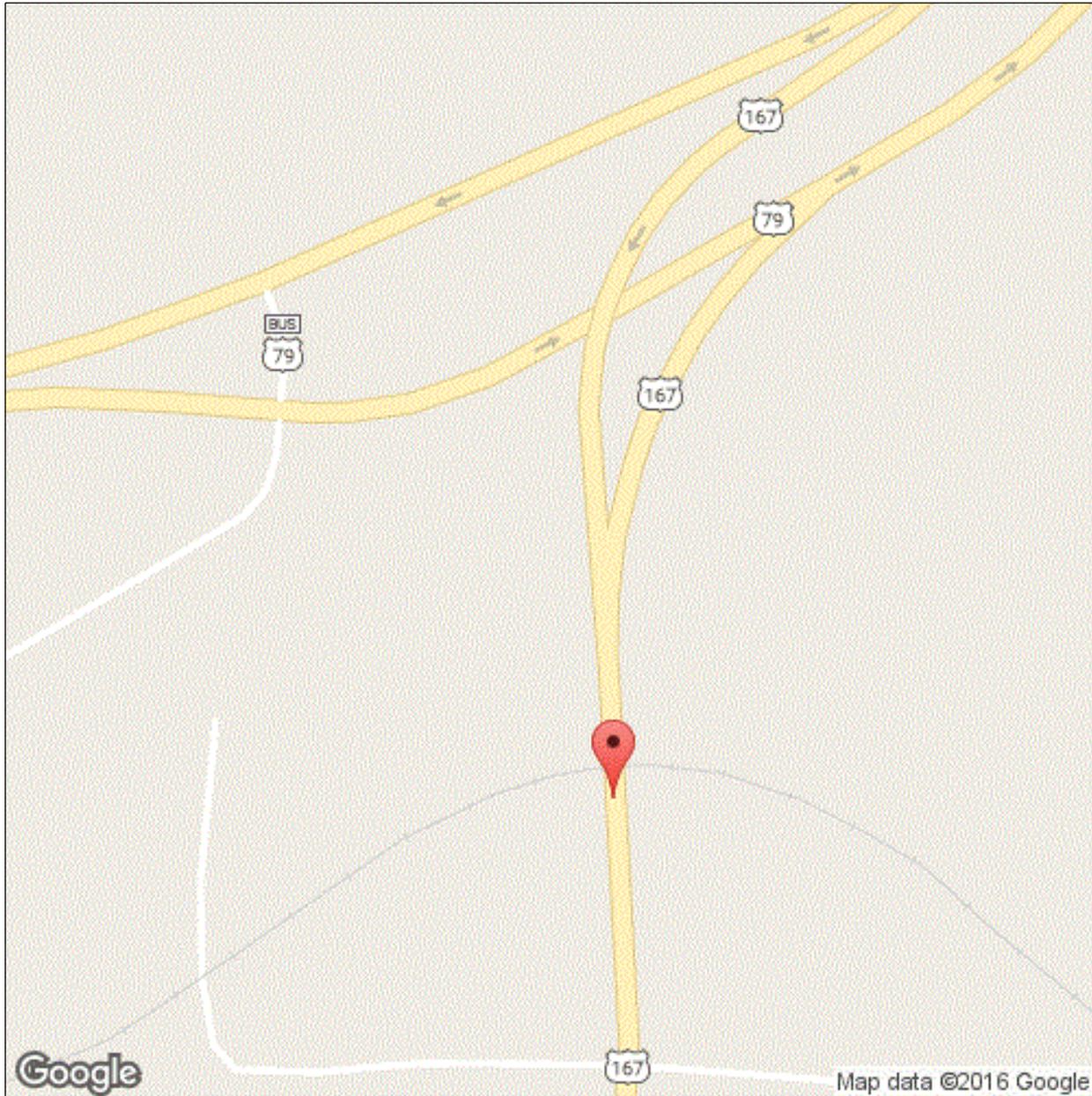
Structure Number: 03637

Inspection Date:

Facility Carried: US 167 S-4 LM 17.5

Bridge Inspection Report

Location Map



Latitude: 33.787266

Longitude: -92.467499

Inspector:

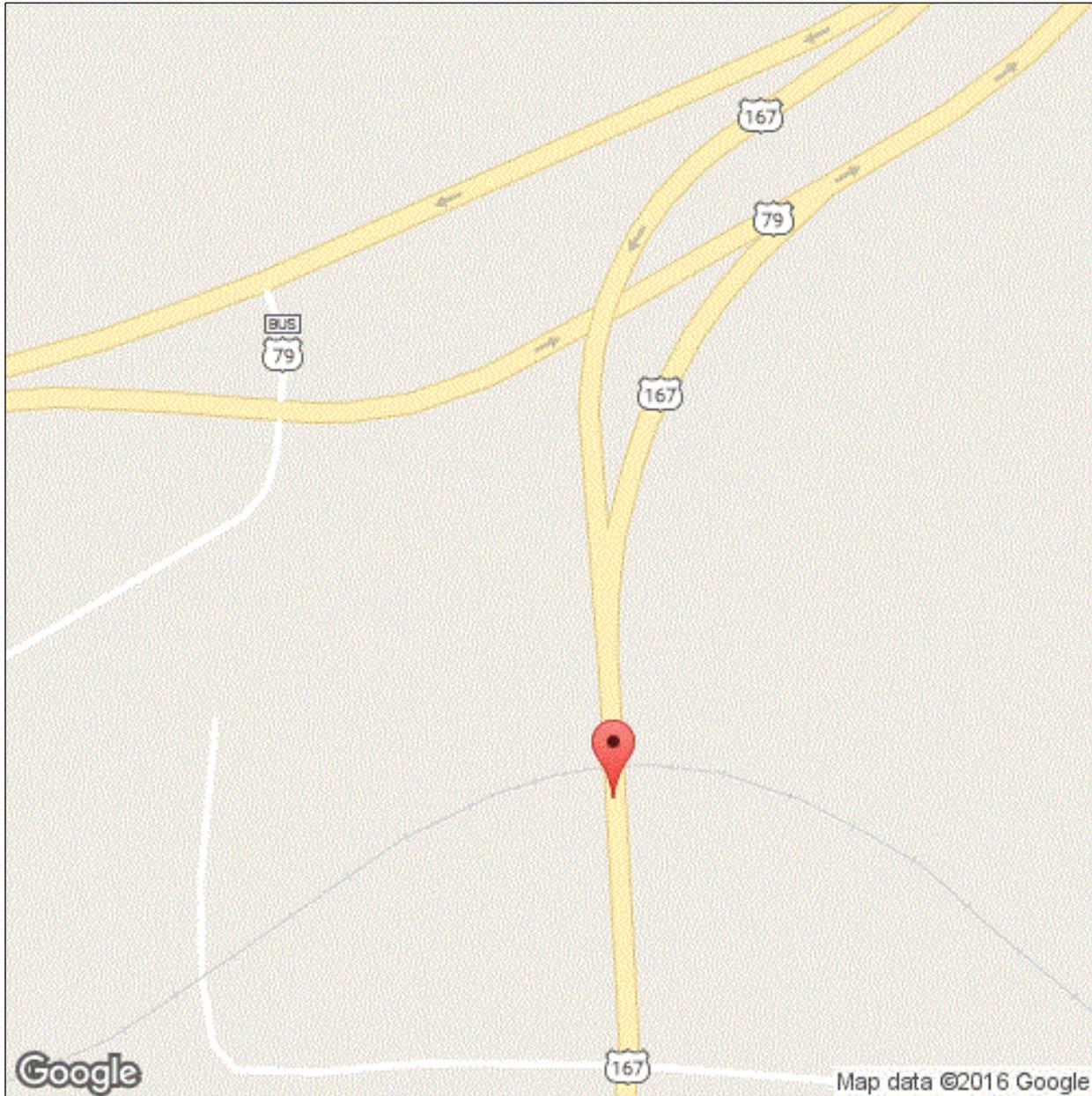
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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/15/2018
(8) STRUCTURE NUMBER	03637	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 167 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 013	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SL-SW RR	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 167 S-4 LM 17.5	CONDITION	
(9) LOCATION	2.0 MI S OF FORDYCE	(58) DECK	5
(11) MILEPOINT 17.497	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE 7	(60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000167040 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(16) LATITUDE 33.787266	(17) LONGITUDE -92.467499	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	3 - Steel	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	6
(45) NUMBER OF SPANS IN MAIN	5 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	5
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	N
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1968 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 2	36A) BRIDGE RAILINGS:	1
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	1
(29) AVERAGE DAILY TRAFFIC	3000 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	26	(113) SCOUR CRITICAL BRIDGES	N
GEOMETRIC DATA		SUFFICIENCY RATING	79.9 STATUS 0
(48) LENGTH OF MAX SPAN (ft.)	42 (49) STRUCTURE LENGTH (ft.)	188	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	33.4	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(100) STRAHNET HIGHWAY DESIGNATION	0
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2	(102) DIRECTION OF TRAFFIC	2
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(103) TEMP STRUCTURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	R 22.80	(105) FEDERAL LANDS HIGHWAYS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	R 13.5	(110) DESIGNATED NATIONAL NETWORK	1
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(20) TOLL	3
PROPOSED IMPROVEMENTS		(21) MAINTENANCE RESPONSIBILITY	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	3900 (115) YEAR OF FUTURE ADT	(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.	7896	sq. ft.	2621	4880	395	0
All spans have cracks, patches, patches filled with asphalt.							

1080 - Delamination/Spall/Patched Area		3948		0	3553	395	0
1090 - Exposed Rebar		11		0	11	0	0
1130 - Cracking (RC and Other)		1316		0	1316	0	0
107 - Steel Open Girder/Beam	1- Ben.	940	ft.	940	0	0	0
515 - Steel Protective Coating		5288	sq. ft.	0	5288	0	0
3410 - Chalking (Steel Protective Coatings)		5288		0	5288	0	0
205 - Reinforced Concrete Column	1- Ben.	4	each	3	0	1	0
1080 - Delamination/Spall/Patched Area		1		0	0	1	0
227 - Reinforced Concrete Pile	1- Ben.	10	each	10	0	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	168	ft.	167	1	0	0
Bent 5, bottom right side of cap has exposed rebar.							

1090 - Exposed Rebar		1		0	1	0	0
302 - Compression Joint Seal	1- Ben.	180	ft.	0	0	180	0
2310 - Leakage		90		0	0	90	0
2330 - Seal Damage		90		0	0	90	0
311 - Movable Bearing	1- Ben.	25	each	25	0	0	0
313 - Fixed Bearing	1- Ben.	25	each	25	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	2240	sq. ft.	2156	80	4	0
1080 - Delamination/Spall/Patched Area		4		0	0	4	0
1130 - Cracking (RC and Other)		80		0	80	0	0
330 - Metal Bridge Railing	1- Ben.	376	ft.	376	0	0	0

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Sketches

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Maintenance Needs

Date Reported: 9/12/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Deck, all spans have some potholes and cracks, with several skin patches with several of the skin patches starting to turn loose. Span 5 Lt. pothole about 1" deep. 08/17/2016 JPR Spans 3 Rt., & 4 Lt. have some potholes that have been patched with cold mix, these potholes are about 2' x 2' minimum.

Work Description:

Date Repairs Completed: 08/17/2016

Maintenance Comments:

District Bridge Inspector observed that Span 5 Lt. pothole has been repaired.

Stage: Monitor



PHOTO 1 Description

Inspector:

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Maintenance Needs

Date Reported: 08/15/2018

Priority: C - Important

Work Code:

Deficiency Description:

Soffit- All spans have spalls with exposed rebar, no spalls are over R/R at this time.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Span 5, delam and spall with exposed rebar.

Stage: Open



PHOTO 2 Description Span 3 soffit, spalls with exposed rebar and patches.