

# Bridge Inspection Report

00307

US 167 S-4 LM9.94

over

CHAMPGNOLE CREEK



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 00307

Inspection Date:

Facility Carried: US 167 S-4 LM9.94

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/18/2016
(8) STRUCTURE NUMBER	00307	(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	CHAMPGNOLE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 167 S-4 LM9.94	CONDITION	
(9) LOCATION	4.9 MI NO JCT SH 274 &167	(58) DECK	7
(11) MILEPOINT 9.938	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE	0000167040 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(16) LATITUDE 33.681648	(17) LONGITUDE -92.466431	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
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	7
(45) NUMBER OF SPANS IN MAIN	1 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	7
		(72) APPROACH ROADWAY ALIGNMENT	8
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1928 (106) YEAR RECONSTRUCTED	36A) BRIDGE RAILINGS:	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	36B) TRANSITIONS:	0
(28) LANES	ON 02 UNDER 00	36C) APPROACH GUARDRAIL:	0
(29) AVERAGE DAILY TRAFFIC	3200 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	5
(109) AVERAGE DAILY TRUCK TRAFFIC	26	SUFFICIENCY RATING	0 STATUS 78.5
		CLASSIFICATION	
GEOMETRIC DATA		(112) NBIS BRIDGE LENGTH	Y
(48) LENGTH OF MAX SPAN (ft.)	61 (49) STRUCTURE LENGTH (ft.)	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(100) STRAHNET HIGHWAY DESIGNATION	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	33.6	(101) PARALLEL STRUCTURE DESIGNATION	N
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(102) DIRECTION OF TRAFFIC	2
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(103) TEMP STRUCTURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(105) FEDERAL LANDS HIGHWAYS	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2	(110) DESIGNATED NATIONAL NETWORK	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(20) TOLL	3
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(21) MAINTENANCE RESPONSIBILITY	01
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(37) HISTORICAL	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	NAVIGATION DATA	
PROPOSED IMPROVEMENTS		(38) NAVIGATION CONTROL	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(111) PIER OR ABUTMENT PROTECTION	1
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(39) NAV VERT CLEARANCE (ft.)	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	4000 (115) YEAR OF FUTURE ADT		
	2033		

2" ACHM only on bridge deck

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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.	2117	sq. ft.	2117			
510 - Wearing Surfaces		1758	sq. ft.	1758			
107 - Steel Open Girder/Beam	1- Ben.	315	ft.	315			
515 - Steel Protective Coating		2363	sq. ft.	2363			
215 - Reinforced Concrete Abutment	1- Ben.	88	ft.	88			
304 - Open Expansion Joint	1- Ben.	56	ft.	56			
311 - Movable Bearing	1- Ben.	5	each	3	0	2	0
2210 - Movement		2				2	
313 - Fixed Bearing	1- Ben.	5	each	5			
330 - Metal Bridge Railing	1- Ben.	126	ft.	126			