

# Bridge Inspection Report

04197  
SH 338  
over  
FOURCHE CREEK



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:  
 Inspection Date:

Structure Number: 04197  
 Facility Carried: SH 338

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/19/2016
(8) STRUCTURE NUMBER	04197	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 338 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 119	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	39020	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	FOURCHE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 338	CONDITION	
(9) LOCATION	0.08 M E OF SH5	(58) DECK	6
(11) MILEPOINT 0.080	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(16) LATITUDE 34.67125	(17) LONGITUDE -92.41672	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:	1 - Concrete	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	01 - Slab	(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	7 (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	8
		(72) APPROACH ROADWAY ALIGNMENT	8
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1964 (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	9700 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	8
(109) AVERAGE DAILY TRUCK TRAFFIC	1	SUFFICIENCY RATING	0 STATUS 76.6
GEOMETRIC DATA		CLASSIFICATION	
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	(112) NBIS BRIDGE LENGTH	Y
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(52) DECK WIDTH, OUT-TO-OUT (ft.)	33	(100) STRAHNET HIGHWAY DESIGNATION	0
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(101) PARALLEL STRUCTURE DESIGNATION	N
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(102) DIRECTION OF TRAFFIC	2
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(103) TEMP STRUCTURE	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	31.2	(105) FEDERAL LANDS HIGHWAYS	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(110) DESIGNATED NATIONAL NETWORK	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(20) TOLL	3
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(21) MAINTENANCE RESPONSIBILITY	01
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(22) OWNER	01
PROPOSED IMPROVEMENTS		(37) HISTORICAL	5
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	NAVIGATION DATA	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(38) NAVIGATION CONTROL	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	5
(95) ROADWAY IMPROVEMENT COST (\$)	0	(39) NAV VERT CLEARANCE (ft.)	0
(96) TOTAL PROJECT COST	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(114) FUTURE ADT	12314 (115) YEAR OF FUTURE ADT		2028

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## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	6930	sq. ft.	6930			
	Slab spans with voids. Asphalt has large cracks over joints.						
510 - Wearing Surfaces		6930	sq. ft.	6660	270	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		270			270		
205 - Reinforced Concrete Column	1- Ben.	12	each	0	12	0	0
	All columns have minor abrasion near the water line.						
1190 - Abrasion/Wear (PSC/RC)		12			12		
215 - Reinforced Concrete Abutment	1- Ben.	66	ft.	66			
	The abutments are in good condition.						
234 - Reinforced Concrete Pier Cap	1- Ben.	199	ft.	182	0	17	0
	Ahead side bent 7: large delamination. Ahead and back side of bent 4 with spalls with exposed rebar.						
1080 - Delamination/Spall/Patched Area		17				17	
330 - Metal Bridge Railing	1- Ben.	424	ft.	424			

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#### Pictures



2 inches of asphalt overlay on the bridge deck



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Maintenance Needs



Bent 4 Backside, spall with exposed rebar



Bent 4 Right End Cap, spall with exposed rebar