

Bridge Inspection Report

06943
SH 133-01 LM 3.47
over
Big Brushy Creek



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06943

Inspection Date:

Facility Carried: SH 133-01 LM 3.47

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/16/2015
(8) STRUCTURE NUMBER	06943	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 133 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02	(3) COUNTY CODE	003
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	Big Brushy Creek	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	SH 133-01 LM 3.47	C. OTHER SPECIAL	N
(9) LOCATION	1.1 Mi N SH 52-Crossett	CONDITION	
(11) MILEPOINT	3.470	(12) BASE HIGHWAY NETWORK	0
(13A) LRS INVENTORY ROUTE	0000000000	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	33.18145116112676	(17) LONGITUDE	-91.94095135052998
(98A) BORDER BRIDGE CODE		(58) DECK	7
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(59) SUPERSTRUCTURE	7
STRUCTURE TYPE AND MATERIAL		(60) SUBSTRUCTURE	8
(43) STRUCTURE TYPE, MAIN		(61) CHANNEL & CHANNEL PROTECTION	8
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR:	04 - Tee Beam	LOAD RATING AND POSTING	
(44) STRUCTURE TYPE, APPROACH SPANS		(31) DESIGN LOAD	5
A) KIND OF MATERIAL/DESIGN:	0 - Other	(63) METHOD USED TO DETERMINE OPERATING RATING	1
B) TYPE OF DESIGN/CONSTR:	00 - Other	(64) OPERATING RATING	47.0
(45) NUMBER OF SPANS IN MAIN	4	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(46) NUMBER OF APPROACH	0	(66) INVENTORY RATING	28.0
(107) DECK STRUCTURE TYPE	1	(70) BRIDGE POSTING	5
(108A) WEARING SURFACE	1	(41) STRUCTURE OPEN/POSTED/CLOSED	A
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION	1
AGE OF SERVICE		APPRAISAL	
(27) YEAR BUILT	2004	(106) YEAR RECONSTRUCTED	0000
(42) TYPE OF SERVICE	ON 1 UNDER 5	(67) STRUCTURAL EVALUATION	6
(28) LANES	ON 02 UNDER 00	(68) DECK GEOMETRY	6
(29) AVERAGE DAILY TRAFFIC	4000	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(19) BYPASS DETOUR LENGTH	23	(71) WATERWAY ADEQUACY	8
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(72) APPROACH ROADWAY ALIGNMENT	8
(109) AVERAGE DAILY TRUCK TRAFFIC	14	(36) TRAFFIC SAFETY FEATURE	
GEOMETRIC DATA		36A) BRIDGE RAILINGS:	1
(48) LENGTH OF MAX SPAN (ft.)	34.8	36B) TRANSITIONS:	1
(49) STRUCTURE LENGTH (ft.)	140	36C) APPROACH GUARDRAIL:	1
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	36D) APPROACH GUARDRAIL ENDS:	1
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.0	(113) SCOUR CRITICAL BRIDGES	5
(52) DECK WIDTH, OUT-TO-OUT (ft.)	43.1	SUFFICIENCY RATING	0
(53) APPROACH ROADWAY WIDTH (ft.)	38.1	STATUS	86.5
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.)	0
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.)	99.99
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	41.3	CLASSIFICATION	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.90	(112) NBIS BRIDGE LENGTH	Y
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
PROPOSED IMPROVEMENTS		(101) PARALLEL STRUCTURE DESIGNATION	N
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(102) DIRECTION OF TRAFFIC	2
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)		(103) TEMP STRUCTURE	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(105) FEDERAL LANDS HIGHWAYS	0
(95) ROADWAY IMPROVEMENT COST (\$)		(110) DESIGNATED NATIONAL NETWORK	0
(96) TOTAL PROJECT COST		(20) TOLL	3
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(21) MAINTENANCE RESPONSIBILITY	01
(114) FUTURE ADT	4913	(22) OWNER	01
(115) YEAR OF FUTURE ADT	2028	(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(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
16 - Reinforced Concrete Top Flange	1- Ben.	6020	sq. ft.	6020	0	0	0
	Deck: 43' wide x 140' long. Spans 1-4: Scattered, unsealed, minor- to moderate-sized diagonal, longitudinal, and transverse cracks with reflective efflorescence on soffit.						
1130 - Cracking (RC and Other)							
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	700	ft.	700			
	Girders: 5 per span / 140' total span. Spans 1-4: Hairline-sized transverse(vertical) cracks on sides and bottoms of girders - spaced every 3-4', concentrated near midspan.						
215 - Reinforced Concrete Abutment	1- Ben.	132	ft.	132			
	Abutments: 66' each / Bents 1 & 5. Small contact spall on diaphragm bent1 & 5.						
227 - Reinforced Concrete Pile	1- Ben.	18	each	18			
	Piling: 6 per bent / Bents 2-4.						
234 - Reinforced Concrete Pier Cap	1- Ben.	132	ft.	130	2	0	0
	Caps: 44' each / Bents 2-4. Bent 2 very small vertical crack between column 2 & 3.						
1090 - Exposed Rebar		2			2		
331 - Reinforced Concrete Bridge Railing	1- Ben.	284	ft.	284			
	Railing: 142' each side.						