

Bridge Inspection Report

02229
SH 28
over
Peavine Creek



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 02229

Inspection Date:

Facility Carried: SH 28

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/19/2016
(8) STRUCTURE NUMBER	02229	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 28 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	08 (3) COUNTY CODE 149	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Peavine Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 28		
(9) LOCATION	1.41 M E SH 27		
(11) MILEPOINT 1.410	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.97287	(17) LONGITUDE -93.36411		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	5
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 4	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1952	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 1200	(19) BYPASS DETOUR LENGTH 7	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 19	(49) STRUCTURE LENGTH (ft.) 76		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0			
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.3		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	26		
(32) APPROACH ROADWAY WIDTH (ft.)	27.9		
(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.)	24.3		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0		
PROPOSED IMPROVEMENTS		APPRAISAL	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(67) STRUCTURAL EVALUATION	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	102.0	(68) DECK GEOMETRY	3
(94) BRIDGE IMPROVEMENT COST (\$)	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(95) ROADWAY IMPROVEMENT COST (\$)	117	(71) WATERWAY ADEQUACY	8
(96) TOTAL PROJECT COST	305	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 2044	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	0
		36B) TRANSITIONS:	0
		36C) APPROACH GUARDRAIL:	0
		36D) APPROACH GUARDRAIL ENDS:	0
		(113) SCOUR CRITICAL BRIDGES	8
		SUFFICIENCY RATING	2
		STATUS	66.0
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
		(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
		(102) DIRECTION OF TRAFFIC	2
		(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(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
12 - Reinforced Concrete Deck	1- Ben.	1824	sq. ft.	1805	0	19	0
5" ACHM overlay on bridge deck	Asphalt overlay - Minor to moderate cracks in joints. Curbs: Span #1, left side - Spall approx. 4 sf. Span #3, left side - Spall approx. 5 sf. Span #4, right side - Spall approx. 10 sf.						
1080 - Delamination/Spall/Patched Area		19				19	
510 - Wearing Surfaces		1771	sq. ft.	1771			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	532	ft.	256	248	28	0
	See attached notes page for complete description: All Spans – Minor horizontal cracks in legs of beams. Span #1: Beam #1 – Minor spalls with rebar exposed - 5ft. Beam #2 – Minor spall - 1ft. Beam #4 – Moderate spall with rebar exposed - 1ft. Beam #5 - Minor spall - 1ft Moderate cracks throughout span. (approx. 107 ft.) Span #2: Beam #1 - Minor spalls with rebar exposed - 1ft. Beam #2 - Moderate spall with rebar exposed - 6ft. Beam #6 - Minor spalls with rebar exposed - 2ft. Beam #7 - Moderate spall with rebar exposed - 8ft. Moderate cracks throughout span. (approx. 49ft.) Span #3: Beam #1 - Moderate spall with rebar exposed - 3ft. Moderate cracks throughout span. (approx. 35ft.) Span #4: Moderate cracks throughout span. (approx. 57ft.)						
1080 - Delamination/Spall/Patched Area		28				28	
1130 - Cracking (RC and Other)		248			248		
205 - Reinforced Concrete Column	1- Ben.	6	each	6			
215 - Reinforced Concrete Abutment	1- Ben.	52	ft.	50	0	2	0
	Abut. #5 - Minor spalls in bearing area under beam #'s 1 & 3. Approx. 2ft. total.						
1080 - Delamination/Spall/Patched Area		2				2	
234 - Reinforced Concrete Pier Cap	1- Ben.	78	ft.	76	0	2	0
	Pier #4, ahead side - Minor spall under beam # 6 - 1 LF. Left side of cap has high density of minor cracks with efflorescence and minor spall - 1 LF.						

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1080 - Delamination/Spall/Patched Area		2				2	
330 - Metal Bridge Railing	1- Ben.	152	ft.	152			
Several Gaurd rail post have minor to moderate spalls.							
515 - Steel Protective Coating		456	sq. ft.	456			