

Bridge Inspection Report

**A1748
SH 1
over
CYPRESS CREEK**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: A1748

Inspection Date:

Facility Carried: SH 1

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/13/2016
(8) STRUCTURE NUMBER	A1748	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 1 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01 (3) COUNTY CODE 095	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CYPRESS CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 1		
(9) LOCATION	1 MI NE JCT SH 17 & 1		
(11) MILEPOINT 5.940	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000001060 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	34.433273 (17) LONGITUDE -91.053444		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	8
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	8 (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	1956 (106) YEAR RECONSTRUCTED	0000	
(42) TYPE OF SERVICE	ON 1 UNDER 5		
(28) LANES	ON 02 UNDER 00		
(29) AVERAGE DAILY TRAFFIC	1300 (19) BYPASS DETOUR LENGTH	7	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014		
(109) AVERAGE DAILY TRUCK TRAFFIC	1		
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	25 (49) STRUCTURE LENGTH (ft.)	200	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.5 RIGHT 1.5		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	26		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	29		
(32) APPROACH ROADWAY WIDTH (ft.)	28.9		
(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.)	26		
(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		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	1415 (115) YEAR OF FUTURE ADT	2028	
		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
38 - Reinforced Concrete Slab	1- Ben.	5800	sq. ft.	5600	200	0	0
	CURBS BOTH SIDES OF BRIDGE SPAN #5,7,8 HAVE AREAS OF SPALLING. SOFFIT HAS ONE LONGITUDIONAL CRACK WITH EFFLORESCENCE EACH SPAN AT CENTERLINE						
1120 - Efflorescence/Rust Staining		200			200		
510 - Wearing Surfaces		5200	sq. ft.	4165	1035	0	0
3220 - Crack (Wearing Surface)		1035			1035		
215 - Reinforced Concrete Abutment	1- Ben.	76	ft.	72	4	0	0
	Abutment #2 left end moderate erosion with pile #1 exposed.						
6000 - Scour		4			4		
227 - Reinforced Concrete Pile	1- Ben.	29	each	29			
234 - Reinforced Concrete Pier Cap	1- Ben.	149	ft.	126	4	19	0
	MOST ENDS ON CAPS ARE CRACKED WITH EFFLORESCENCE. BENT #3 LEFT AND RIGHT ENDS ARE SPALLED NO REBAR EXPOSED. BENT #4 RIGHT BACKFACE TOP CORNER IS DELAMINATED & CRACKED. BENT #7 LEFT FRONT FACE HAS 1' PIECE OF EXPOSED REBAR. CAP AT BENT # 8 IS SPALLED ON RIGHT END BOTTOM CHORD. BENT #8 LEFT RAIL POST IS SPALLED ON BOTTOM WITH NO EXPOSED REBAR.						
1080 - Delamination/Spall/Patched Area		4			3	1	
1090 - Exposed Rebar		1			1		
1120 - Efflorescence/Rust Staining		18				18	
306 - Other Joint	1- Ben.	52	ft.	52			
	Joints are covered in achm.						
330 - Metal Bridge Railing	1- Ben.	400	ft.	200	200	0	0
	SEVERAL POSTS ARE CRACKED NEAR BOTTOM. LEFT BRIDGE RAIL HAS MINOR COLLISION DAMAGE FULL LENGTH.						
7000 - Damage		200			200		
515 - Steel Protective Coating		1200	sq. ft.	1200			