

Bridge Inspection Report

M4034
SH 35-03 LM 15.47
over
Creek



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: M4034

Inspection Date:

Facility Carried: SH 35-03 LM 15.47

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/15/2017
(8) STRUCTURE NUMBER	M4034	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 35 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	02	(3) COUNTY CODE	053
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	Creek	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	SH 35-03 LM 15.47	C. OTHER SPECIAL	N
(9) LOCATION	0.6 Mi N ClevIndCo-Grapev	CONDITION	
(11) MILEPOINT	15.470	(58) DECK	8
(12) BASE HIGHWAY NETWORK	0	(59) SUPERSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000000000	(60) SUBSTRUCTURE	7
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	7
(16) LATITUDE	34.06634560073311	(62) CULVERT	N
(17) LONGITUDE	-92.29475457787515	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	0
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	66.1
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	39.7
B) TYPE OF DESIGN/CONSTR:	22 - Channel Beam	(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	3	(68) DECK GEOMETRY	5
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(107) DECK STRUCTURE TYPE	2	(71) WATERWAY ADEQUACY	8
(108A) WEARING SURFACE	6	(72) APPROACH ROADWAY ALIGNMENT	8
(108B) DECK MEMBRANE	0	(36) TRAFFIC SAFETY FEATURE	
(108C) DECK PROTECTION	0	36A) BRIDGE RAILINGS:	0
AGE OF SERVICE		36B) TRANSITIONS:	0
(27) YEAR BUILT	1978	36C) APPROACH GUARDRAIL:	0
(106) YEAR RECONSTRUCTED	0000	36D) APPROACH GUARDRAIL ENDS:	1
(42) TYPE OF SERVICE	ON 1 UNDER 5	(113) SCOUR CRITICAL BRIDGES	5
(28) LANES	ON 02 UNDER 00	SUFFICIENCY RATING	0
(29) AVERAGE DAILY TRAFFIC	390	STATUS	87.2
(19) BYPASS DETOUR LENGTH	10	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(48) LENGTH OF MAX SPAN (ft.)	19	(100) STRAHNET HIGHWAY DESIGNATION	0
(49) STRUCTURE LENGTH (ft.)	57	(101) PARALLEL STRUCTURE DESIGNATION	N
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1 RIGHT 1	(102) DIRECTION OF TRAFFIC	2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	25.9	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.2	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(110) DESIGNATED NATIONAL NETWORK	0
(33) BRIDGE MEDIAN	0	(20) TOLL	3
(34) SKEW (DEG.)	0	(21) MAINTENANCE RESPONSIBILITY	01
(35) STRUCTURE FLARED	0	(22) OWNER	01
(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(37) HISTORICAL	5
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	26.9	NAVIGATION DATA	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(38) NAVIGATION CONTROL	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(111) PIER OR ABUTMENT PROTECTION	5
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(39) NAV VERT CLEARANCE (ft.)	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
PROPOSED IMPROVEMENTS		(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(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	483		
(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
16 - Reinforced Concrete Top Flange	1- Ben.	1596	sq. ft.	1596			
510 - Wearing Surfaces	<div>Note: 0.5" of ACHM overlay on deck</div> Deck: 28' wide x 57' long. Asphalt wearing surface: Transverse cracking at bents. Visible joints between units are completely grouted and grout is in excellent condition.						
		1254	sq. ft.	1210	0	44	0
	3220 - Crack (Wearing Surface)	44				44	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	456	ft.	455	1		
216 - Timber Abutment	Girders: 8 precast units per span / 57' total span. Units bolted transversely and longitudinally - no noted loose or missing bolts. Hairline vertical cracks on legs and hairline cracks along top of legs, especially on units under "wheel ruts".						
	1- Ben.	56	ft.	56			
	Backwalls: 28' each / Bents 1 & 4. Some minor leakage of roadway material from top of backwall behind caps.						
228 - Timber Pile	1- Ben.	20	each	18	2	0	0
1150 - Check/Shake	Piling: 5 per bent / Bents 1-4. Weather cracking, especially on outer shell of piling. Bent 2 Piles 1 & 5 have minor checks. (pile are sound)						
		2			2		
	234 - Reinforced Concrete Pier Cap	112	ft.	112			
330 - Metal Bridge Railing	Caps: 28' each / Bents 1-4.						
	1- Ben.	114	ft.	114			
	Railing: 57' each side. Coating: 2.5 square feet per linear feet of railing. Metal railing with concrete posts.						
515 - Steel Protective Coating		285	sq. ft.	285			

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Maintenance Needs