

Bridge Inspection Report

M4030
SH 35-03 LM 8.97
over
Creek



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: M4030

Inspection Date:

Facility Carried: SH 35-03 LM 8.97

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/15/2017
(8) STRUCTURE NUMBER	M4030	(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	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 35-03 LM 8.97		
(9) LOCATION	5.9 Mi S SH 190-Grapevine		
(11) MILEPOINT 8.970	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.1559772781987	(17) LONGITUDE -92.31824669793298		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	8
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 2	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 2	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1978	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	0
(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
(29) AVERAGE DAILY TRAFFIC 670	(19) BYPASS DETOUR LENGTH 10	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 19	(49) STRUCTURE LENGTH (ft.) 38	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1	RIGHT 1	(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	26.2	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.2	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	27.6	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	0
		STATUS	86.9
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 915	(115) YEAR OF FUTURE ADT 2028	(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	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.	1064	sq. ft.	1064			
	Deck: 28.2' wide x 38' long. Minor-sized transverse cracks in asphalt wearing surface at bents. Visible joints between units are completely grouted and grout is in excellent condition.						
510 - Wearing Surfaces		836	sq. ft.	836			
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	304	ft.	304			
	Girders: 8 precast units per span / 38' total span. Units bolted transversely and longitudinally - no noted missing or loose bolts.						
216 - Timber Abutment	1- Ben.	60	ft.	60			
	Backwalls: 30' each / Bents 1 & 3.						
228 - Timber Pile	1- Ben.	15	each	8	2	5	0
	Piling: 5 per bent / Bents 1-3. Minor weather cracking. Bent 2 Piles 1-3 & 5. Checking. CS3 Bent 3 Piles 1 & 2. Checking CS2 Bent 3 Pile 4. Checking CS3						
1150 - Check/Shake		7			2	5	
234 - Reinforced Concrete Pier Cap	1- Ben.	84	ft.	84			
	Caps: 28' each / Bents 1-3.						
330 - Metal Bridge Railing	1- Ben.	76	ft.	76			
	Railing: 38' each side. Coating: 2.5 square feet per linear feet of railing. Metal railing with concrete posts. Minor damage to bridge rail span 1 right.						
515 - Steel Protective Coating		190	sq. ft.	190			

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Maintenance Needs

Date Reported: 08/18/2015

Priority: G - General/ Preventive maintenance

Work Code: N/A

Deficiency Description:

Approach roadway - Bent 3 left (southeast corner): Small area of erosion at end of bridge.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Grant: repair., advise when complete

Stage: Open



PHOTO 1 Description Bent 3 south east bridge end small area of erosion at end post.

Stage: Open



PHOTO 2 Description

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Maintenance Needs

Stage: Assigned



PHOTO 3 Description Left side view