

Inspector:

Structure Number: A3902

Inspection Date:

Facility Carried: I 40, WB LNS

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	04/21/2016
(8) STRUCTURE NUMBER	A3902	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 40 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01	(3) COUNTY CODE	123
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	DRAINAGE DITCH NO. 22	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	I 40, WB LNS	C. OTHER SPECIAL	N
(9) LOCATION	0.37 MI E OF SH 149	CONDITION	
(11) MILEPOINT	260.260	(58) DECK	6
(12) BASE HIGHWAY NETWORK	1	(59) SUPERSTRUCTURE	6
(13A) LRS INVENTORY ROUTE	0000040510	(60) SUBSTRUCTURE	8
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	7
(16) LATITUDE	35.13299	(62) CULVERT	N
(17) LONGITUDE	-90.48050	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	6
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	01 - Slab	(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	6
(45) NUMBER OF SPANS IN MAIN	3	(68) DECK GEOMETRY	6
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(107) DECK STRUCTURE TYPE	1	(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:	1
AGE OF SERVICE		36B) TRANSITIONS:	1
(27) YEAR BUILT	1965	36C) APPROACH GUARDRAIL:	1
(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	15500	STATUS	96.6
(19) BYPASS DETOUR LENGTH	1	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	56	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(48) LENGTH OF MAX SPAN (ft.)	25	(100) STRAHNET HIGHWAY DESIGNATION	1
(49) STRUCTURE LENGTH (ft.)	75	(101) PARALLEL STRUCTURE DESIGNATION	L
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.5 RIGHT 0.5	(102) DIRECTION OF TRAFFIC	1
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(103) TEMP STRUCTURE	
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.4	(105) FEDERAL LANDS HIGHWAYS	0
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(110) DESIGNATED NATIONAL NETWORK	1
(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.)	40.4	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	1
(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	19000		
(115) YEAR OF FUTURE ADT	2034		

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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.	3180	sq. ft.	2201	0	979	0
	ALL SPANS HAVE HOLES IN ACHM OVERLAY. SPAN #1 LEFT LANE HAS SMALL SPALL IN CONCRETE REPAIR.						
1090 - Exposed Rebar		4				4	
1120 - Efflorescence/Rust Staining		975				975	
510 - Wearing Surfaces		3180	sq. ft.	1510	0	1670	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		30				30	
3230 - Effectiveness (Wearing Surface)		1640				1640	
215 - Reinforced Concrete Abutment	1- Ben.	94	ft.	79	15	0	0
	ABUTMENT #1 CAP RIGHT SIDE UNDERMINED EXPOSING PILES #2,3 4"+-						
6000 - Scour		15			15		
227 - Reinforced Concrete Pile	1- Ben.	18	each	18			
234 - Reinforced Concrete Pier Cap	1- Ben.	86	ft.	82	0	4	0
	BENT #2 BACK FACE HAS SEVERAL SMALL POP OUTS . SOME HAVE EXPOSED REBAR WITH MINOR SECTION LOSS.						
1090 - Exposed Rebar		4				4	
321 - Reinforced Concrete Approach Slab	1- Ben.	2520	sq. ft.	2520			
	APPROACH SLAB AND ABUTMENT HAS BEEN PATCHED. PATCH HAS SETTLED INCREASING IMPACT ON BRIDGE ENDS. ABUTMENT #2 APPROACH VERY ROUGH.APPROACH SLABS ARE COVERED WITH ACHM OVERLAY.						
521 - Concrete Protective Coating		2520	sq. ft.	0	0	2520	0
3540 - Effectiveness (Concrete Protective Coatings)		2520				2520	
331 - Reinforced Concrete Bridge Railing	1- Ben.	150	ft.	150			
333 - Other Bridge Railing	1- Ben.	150	ft.	150			