

Bridge Inspection Report

B5058
I-30, EB LNS-39.78
over
VICKERS CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: B5058

Inspection Date:

Facility Carried: I-30, EB LNS-39.78

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/30/2017
(8) STRUCTURE NUMBER	B5058	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 30 2	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03	(3) COUNTY CODE	057
(4) PLACE CODE	00000	A. FRACTURE CRITICAL DETAIL	N
(6) FEATURES INTERSECTED	VICKERS CREEK	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	I-30, EB LNS-39.78	C. OTHER SPECIAL	N
(9) LOCATION	9.79 MI. E OF S.H.278 JCT	CONDITION	
(11) MILEPOINT	39.780	(58) DECK	7
(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	33.77039817867242	(62) CULVERT	N
(17) LONGITUDE	-93.47787836061588	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	7
(45) NUMBER OF SPANS IN MAIN	6	(68) DECK GEOMETRY	6
(46) NUMBER OF APPROACH	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(107) DECK STRUCTURE TYPE	1	(71) WATERWAY ADEQUACY	6
(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	1972	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	95.5
(29) AVERAGE DAILY TRAFFIC	27000	STATUS	0
(19) BYPASS DETOUR LENGTH	1	CLASSIFICATION	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	(112) NBIS BRIDGE LENGTH	Y
(109) AVERAGE DAILY TRUCK TRAFFIC	48	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
GEOMETRIC DATA		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(48) LENGTH OF MAX SPAN (ft.)	24	(100) STRAHNET HIGHWAY DESIGNATION	1
(49) STRUCTURE LENGTH (ft.)	145	(101) PARALLEL STRUCTURE DESIGNATION	R
(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	(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.)	14	(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.)	39.4	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	0000		
(114) FUTURE ADT	13726		
(115) YEAR OF FUTURE ADT	2028		

Inspector:

Structure Number: B5058

Inspection Date:

Facility Carried: I-30, EB LNS-39.78

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	6090	sq. ft.	5740	350	0	0
	1120- cracking with efflorescence and rust staining on bottom of slab in all spans. 1130- cracks on bottom of slab in all spans 3220- cracks in AC overlay over joints						
1120 - Efflorescence/Rust Staining		150			150		
1130 - Cracking (RC and Other)		200			200		
510 - Wearing Surfaces		5616	sq. ft.	5341	275	0	0
3220 - Crack (Wearing Surface)		275			275		
215 - Reinforced Concrete Abutment	1- Ben.	99	ft.	99			
227 - Reinforced Concrete Pile	1- Ben.	30	each	30			
234 - Reinforced Concrete Pier Cap	1- Ben.	220	ft.	215	0	5	0
	1090- exposed rebar on caps various locations						
1090 - Exposed Rebar		5				5	
330 - Metal Bridge Railing	1- Ben.	288	ft.	288			

Inspector:

Structure Number: B5058

Inspection Date:

Facility Carried: I-30, EB LNS-39.78

Bridge Inspection Report

Maintenance Needs

Date Reported: 4/19/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP SPALLS WITH REBAR EXPOSED
BENT 2 CAP EAST FACE
BENT 3 CAP UNDERSIDE AT PILE #2
BENT 4 CAP UNDERSIDE AT PILE #3
BENT 5 CAP UNDERSIDE BETWEEN PILES 3 AND 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 2 east face over pile 2

Stage: Assigned



PHOTO 2 Description Bent 3 cap bottom at pile 2

Inspector:

Inspection Date:

Structure Number: B5058

Facility Carried: I-30, EB LNS-39.78

Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Bent 5 cap underside between pile 3 and 4

Stage: Assigned



PHOTO 4 Description Bent 4 cap underside at pile 3