

Bridge Inspection Report

A5058
I 30, WB LNS-39.77
over
VICKERS CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: A5058

Inspection Date:

Facility Carried: I 30, WB LNS-39.77

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/30/2017
(8) STRUCTURE NUMBER	A5058	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 30 4	(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, WB LNS-39.77	C. OTHER SPECIAL	N
(9) LOCATION	9.78 MI. E OF S.H.278 JCT	CONDITION	
(11) MILEPOINT	39.770	(12) BASE HIGHWAY NETWORK	0
(13A) LRS INVENTORY ROUTE	0000000000	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	33.77063	(17) LONGITUDE	-93.47828
(98A) BORDER BRIDGE CODE		(58) DECK	7
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(59) SUPERSTRUCTURE	6
STRUCTURE TYPE AND MATERIAL		(60) SUBSTRUCTURE	6
(43) STRUCTURE TYPE, MAIN		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR:	01 - Slab	LOAD RATING AND POSTING	
(44) STRUCTURE TYPE, APPROACH SPANS		(31) DESIGN LOAD	6
A) KIND OF MATERIAL/DESIGN:	0 - Other	(63) METHOD USED TO DETERMINE OPERATING RATING	1
B) TYPE OF DESIGN/CONSTR:	00 - Other	(64) OPERATING RATING	60.0
(45) NUMBER OF SPANS IN MAIN	6	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(46) NUMBER OF APPROACH	0	(66) INVENTORY RATING	36.0
(107) DECK STRUCTURE TYPE	1	(70) BRIDGE POSTING	5
(108A) WEARING SURFACE	6	(41) STRUCTURE OPEN/POSTED/CLOSED	A
(108B) DECK MEMBRANE	0	APPRAISAL	
(108C) DECK PROTECTION	0	(67) STRUCTURAL EVALUATION	6
AGE OF SERVICE		(68) DECK GEOMETRY	6
(27) YEAR BUILT	1972	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(106) YEAR RECONSTRUCTED	0000	(71) WATERWAY ADEQUACY	6
(42) TYPE OF SERVICE	ON 1 UNDER 5	(72) APPROACH ROADWAY ALIGNMENT	8
(28) LANES	ON 02 UNDER 00	(36) TRAFFIC SAFETY FEATURE	
(29) AVERAGE DAILY TRAFFIC	41732	36A) BRIDGE RAILINGS:	1
(19) BYPASS DETOUR LENGTH	1	36B) TRANSITIONS:	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2013	36C) APPROACH GUARDRAIL:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	48	36D) APPROACH GUARDRAIL ENDS:	1
GEOMETRIC DATA		(113) SCOUR CRITICAL BRIDGES	5
(48) LENGTH OF MAX SPAN (ft.)	24	SUFFICIENCY RATING	94.1
(49) STRUCTURE LENGTH (ft.)	145	STATUS	0
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.5 RIGHT 0.5	CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	39.0	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(33) BRIDGE MEDIAN	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(34) SKEW (DEG.)	14	(101) PARALLEL STRUCTURE DESIGNATION	L
(35) STRUCTURE FLARED	0	(102) DIRECTION OF TRAFFIC	1
(10) INV RTE, MIN VERT CLEAR (ft.)	99.99	(103) TEMP STRUCTURE	
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	39.4	(105) FEDERAL LANDS HIGHWAYS	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(110) DESIGNATED NATIONAL NETWORK	1
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(20) TOLL	3
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(21) MAINTENANCE RESPONSIBILITY	01
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(22) OWNER	01
PROPOSED IMPROVEMENTS		(37) HISTORICAL	5
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	NAVIGATION DATA	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(38) NAVIGATION CONTROL	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(95) ROADWAY IMPROVEMENT COST (\$)	0	(39) NAV VERT CLEARANCE (ft.)	0
(96) TOTAL PROJECT COST	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	0000	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(114) FUTURE ADT	13726		
(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
38 - Reinforced Concrete Slab	1- Ben.	6090	sq. ft.	5690	400	0	0
ASPHALT OVERLAY ON BRIDGE DECK							
1120 - Efflorescence/Rust Staining		200			200		
1130 - Cracking (RC and Other)		200			200		
510 - Wearing Surfaces		5616	sq. ft.	5466	150	0	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		50			50		
3220 - Crack (Wearing Surface)		100			100		
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.	209	11	0	0
	CONCRETE CAP MINOR SPALLS WITH REBAR EXPOSED NO MEASURABLE SECTION LOSS BENT 2 CAP UNDERSIDE AT PILE #2--2 LF REBAR EXPOSED BENT 3 CAP EAST FACE --3 LF SPALL W/REBAR EXPOSED BENT 4 CAP WEST FACE --3 LF SPALL W/REBAR EXPOSED AND 3 LF DELAM						
1080 - Delamination/Spall/Patched Area		3			3		
1090 - Exposed Rebar		8			8		
330 - Metal Bridge Railing	1- Ben.	288	ft.	288			

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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

CONCRETE CAP MINOR SPALLS WITH REBAR EXPOSED

BENT 2 CAP UNDERSIDE AT PILE #2

BENT 3 CAP EAST FACE

BENT 4 CAP WEST FACE

BENT 5 CAP EAST FACE

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Rebar exposed bent 5 cap east face

Stage: Assigned



PHOTO 2 Description Bent 2 at pile two

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Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Bent 3 cap east face

Stage: Assigned



PHOTO 4 Description Bent 4 over pile 2 west face

Stage: Assigned



PHOTO 5 Description Bent 4 cap west face

Stage: Assigned



PHOTO 6 Description Bottom of bent 4 cap at pile 5

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Maintenance Needs

Date Reported: 01/30/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Erosion at bent 6 from pile 1 to pile 3. Approx 30'x10' area

Work Description:

Date Repairs Completed:

Maintenance Comments:

AMS will handle.

Stage: Open



PHOTO 1 Description Erosion at bent 6