

Bridge Inspection Report

B5056
I-30,EB LNS-38.44
over
CARUSE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: B5056

Inspection Date:

Facility Carried: I-30,EB LNS-38.44

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/30/2017
(8) STRUCTURE NUMBER	B5056	(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	CARUSE CREEK	B. UNDERWATER INSPECTION	N
(7) FACILITY CARRIED	I-30,EB LNS-38.44	C. OTHER SPECIAL	N
(9) LOCATION	8.45 MI. E OF S.H.278 JCT	CONDITION	
(11) MILEPOINT	38.440	(58) DECK	7
(12) BASE HIGHWAY NETWORK	0	(59) SUPERSTRUCTURE	7
(13A) LRS INVENTORY ROUTE	0000000000	(60) SUBSTRUCTURE	6
(13B) SUBROUTE NUMBER	00	(61) CHANNEL & CHANNEL PROTECTION	7
(16) LATITUDE	33.7575758192936	(62) CULVERT	N
(17) LONGITUDE	-93.4953850661384	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	55
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	33
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	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	8
(28) LANES	ON 02 UNDER 00	SUFFICIENCY RATING	94.1
(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.)	35	(100) STRAHNET HIGHWAY DESIGNATION	1
(49) STRUCTURE LENGTH (ft.)	210	(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.)	33	(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		

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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.	8820	sq. ft.	8020	800	0	0
	1120- cracking with efflorescence and rust staining in all spans bottom of slab 1130- cracking in all spans bottom of rc slab 3220- cracks in AC overlay over joints						
1120 - Efflorescence/Rust Staining		400			400		
1130 - Cracking (RC and Other)		400			400		
510 - Wearing Surfaces		8190	sq. ft.	7920	270	0	0
3220 - Crack (Wearing Surface)		270			270		
215 - Reinforced Concrete Abutment	1- Ben.	110	ft.	110			
227 - Reinforced Concrete Pile	1- Ben.	45	each	44	0	1	0
	1080- spall on pile bent 5 pile 6						
1080 - Delamination/Spall/Patched Area		1				1	
234 - Reinforced Concrete Pier Cap	1- Ben.	312	ft.	302	0	10	0
	1080/1090- spalls with rebar exposed on caps various locations						
1080 - Delamination/Spall/Patched Area		5				5	
1090 - Exposed Rebar		5				5	
330 - Metal Bridge Railing	1- Ben.	410	ft.	410			

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Maintenance Needs

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

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

CONC. CAP

BENT #3 & 4, EAST FACE

SPALL W/ REBAR EXPOSED. NO SECTION

LOSS TO REBAR, BUT

SOME LOSS OF BEARING

AREA.

BENT #6 WEST FACE SPALL BUT NO REBAR EXPOSED

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 3 east face spall

Stage: Assigned



PHOTO 2 Description Bent 6 west face over pile 3

Inspector:

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Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 3 Description Bent 6 west face over pile 7

Stage: Assigned

Stage: Assigned



PHOTO 5 Description Bent 4 east face spall over pile 7



PHOTO 4 Description Bottom of bent 6 between pile 6 and 7

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Maintenance Needs

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

Priority: G - General/ Preventive maintenance

Work Code:

Deficiency Description:

BENT #5 PILE #6
ON WEST SIDE OF PILE
NEAR GROUND LINE.

NOTE:

RENUMBERED PILE LT. TO RT. (IN 2007 IT WAS PILE #4)
SPALL ON PILE W/ ONE RING PARTIALLY EXPOSED, APPROX 12" X 18".

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 5 pile 6 spall near ground line

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Bridge Inspection Report

Maintenance Needs

Date Reported: 1/28/2015 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

EROSION UNDER BENT 1 CAP ON LEFT AND RIGHT SIDES.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Erosion under bent 1 cap and in span 1 right side

Stage: Assigned



PHOTO 2 Description Erosion under bent 1 cap left side