

Bridge Inspection Report

21873

C.R. 25 - C - 3.88

over

BODCAW CREEK RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 21873

Inspection Date:

Facility Carried: C.R. 25 - C - 3.88

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	01/09/2017
(8) STRUCTURE NUMBER	21873	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 4 1 25 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	03 (3) COUNTY CODE 073	A. FRACTURE CRITICAL DETAIL	Y 24 01/09/2017
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BODCAW CREEK RELIEF	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	C.R. 25 - C - 3.88		
(9) LOCATION	1 MN JCT CO RD'S 40&25		
(11) MILEPOINT 3.880	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.44535	(17) LONGITUDE -93.57150		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 08 - Orthotropic		(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 1	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 5	(108A) WEARING SURFACE 8		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1997	(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 01 UNDER 00		(64) OPERATING RATING	4.0
(29) AVERAGE DAILY TRAFFIC 38	(19) BYPASS DETOUR LENGTH 7	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 1987		(66) INVENTORY RATING	2.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	0
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 78	(49) STRUCTURE LENGTH (ft.) 85	(67) STRUCTURAL EVALUATION	3
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0.5 RIGHT 0.5		(68) DECK GEOMETRY	3
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 17.4		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 18.2		(71) WATERWAY ADEQUACY	5
(32) APPROACH ROADWAY WIDTH (ft.) 19.0		(72) APPROACH ROADWAY ALIGNMENT	7
(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.) 17.4		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:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	2 STATUS 33.4
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	08
(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	0000	(102) DIRECTION OF TRAFFIC	3
(114) FUTURE ADT 46	(115) YEAR OF FUTURE ADT 2007	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	02
		(22) OWNER	02
		(37) HISTORICAL	4
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(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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Maintenance Needs

Date Reported: 1/7/2011 12:00:00 AM

Priority: D - Routine

Work Code: Repair

Deficiency Description:

EROSION AT END BENTS

BENT #1 END

EROSION BEHIND METAL BACK WALL WITH LT. SIDE OF CAP EXPOSED
METAL BACK WALL IS DETERIORATED WITH HOLES.

BENT #2 END

EROSION BEHIND METAL BACK WALL, METAL BACK WALL IS DETERIORATED WITH HOLES IN BACK WALL.

Work Description:

Bridge is scheduled for replacement in 2016 as per Mike Rowe Form VIII received 4/2016.

Date Repairs Completed:

Maintenance Comments:

Stage: Forward Local



PHOTO 1 Description Bent 1 erosion

Stage: Forward Local



PHOTO 2 Description Bent 1 erosion

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Maintenance Needs

Stage: Forward Local



PHOTO 3 Description Bent 2 erosion

Stage: Forward Local



PHOTO 4 Description Erosion at bent 1 behind plate

Stage: Forward Local



PHOTO 5 Description Metal back wall bent 1

Stage: Forward Local



PHOTO 6 Description Erosion and holes in metal backwall bent 2 end

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Maintenance Needs

Date Reported: 01/13/2016

Priority: D - Routine

Work Code: Repair

Deficiency Description:

Plate in between RR cars has broken welds and poor bracing causing sagging of the plate in various locations.

Work Description:

Bridge is scheduled for replacement in 2016 as per Mike Rowe Form VIII received 4/2016.

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Open



PHOTO 2 Description Broken weld in plate between RR cars

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Bridge Inspection Report

Maintenance Needs

Stage: Open



PHOTO 3 Description Broken weld in plate in between RR cars

Stage: Open



PHOTO 4 Description Plate in between RR cars

Stage: Open



PHOTO 5 Description Sagging and loose areas

Stage: Forward Local



PHOTO 6 Description Plate between RR cars broken welds and sagging in places.

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Maintenance Needs

Stage: Forward Local



PHOTO 7	Description	Plate between RR cars sagging and broken welds in places
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