

# Bridge Inspection Report

**A5582**  
**I 630 WB Log 5.80**  
**over**  
**ROCK CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: A5582

Inspection Date:

Facility Carried: I 630 WB Log 5.80

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/09/2017
(8) STRUCTURE NUMBER	A5582	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 1 1 630 4	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 119	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	39020	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	ROCK CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	I 630 WB Log 5.80		
(9) LOCATION	1.6MI E OF I 430		
(11) MILEPOINT 5.799	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000630210 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.74689	(17) LONGITUDE -92.36436		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	8 (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 4	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1977	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 04 UNDER 00		(64) OPERATING RATING	54
(29) AVERAGE DAILY TRAFFIC 98000	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	33
(109) AVERAGE DAILY TRUCK TRAFFIC 3		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 65	(49) STRUCTURE LENGTH (ft.) 258.6	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 10		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 60.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 80.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 80.1		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 35	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 1	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 80.7		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	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 77.5
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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	11
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	1
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	R
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	1
(114) FUTURE ADT 69000	(115) YEAR OF FUTURE ADT 2034	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		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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## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	20894	sq. ft.	17560	3334	0	0
	Deck all spans have map cracking and transverse cracks up to 0.040 wide.						
1130 - Cracking (RC and Other)		3334			3334		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	3008	ft.	2903	105	0	0
	Beam ends at bent have active rust with minor pitting at upper web haunch area due to leaking joints. All diaphragm brackets have bad weld detail the weld raps around the ends of brackets.						
1000 - Corrosion		105			105		
515 - Steel Protective Coating		22290	sq. ft.	0	21700		590
<b>205 - Reinforced Concrete Column</b>	1- Ben.	17	each	4	11	2	0
	Bent 3 column 5 has severe abrasion. Bent 3, column 1 has moderate abrasion. Bent 3, column 3, cracks near ground line. Bent 4, columns 1-4, has moderate abrasion at ground line.						
1130 - Cracking (RC and Other)		1			1		
1190 - Abrasion/Wear (PSC/RC)		12			10	2	
<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	220	ft.	188	32	0	0
1130 - Cracking (RC and Other)		32			32		
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	298	ft.	262	31	5	0
	Bent 4 bottom and backside of cap has cracking.						
1080 - Delamination/Spall/Patched Area		3			1	2	
1090 - Exposed Rebar		3				3	
1130 - Cracking (RC and Other)		30			30		
<b>302 - Compression Joint Seal</b>	1- Ben.	509	ft.	0	0	473	36
	Bent 2 thirty six foot of joint seal has fallen out. The joint seal at all other joints have lost bond and leak.						
2310 - Leakage		480				444	36
2320 - Seal Adhesion		20				20	
2340 - Seal Cracking		9				9	
<b>311 - Movable Bearing</b>	1- Ben.	47	each	0	26	21	0
	Bearings have laminating rust at all bents.						
1000 - Corrosion		47			26	21	
<b>313 - Fixed Bearing</b>	1- Ben.	47	each	32	15	0	0
	Bearings have laminating rust at all bents.						
1000 - Corrosion		15			15		
<b>321 - Reinforced Concrete Approach Slab</b>	1- Ben.	6400	sq. ft.	5609	767	24	0
1080 - Delamination/Spall/Patched Area		2			2		
1130 - Cracking (RC and Other)		789			765	24	
<b>330 - Metal Bridge Railing</b>	1- Ben.	518	ft.	518			

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<b>331 - Reinforced Concrete Bridge Railing</b>	1- Ben.	518	ft.	434	84	0	0
1130 - Cracking (RC and Other)		84			84		