

# Bridge Inspection Report

**B3251**  
**I30-EB 110.78**  
**over**  
**CR32;US 70 EB & WB;CRK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: B3251

Inspection Date:

Facility Carried: I30-EB 110.78

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/14/2018
(8) STRUCTURE NUMBER	B3251	(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	06 (3) COUNTY CODE 125	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CR32;US 70 EB & WB;CRK	C. OTHER SPECIAL	Y 24 08/07/2017
(7) FACILITY CARRIED	I30-EB 110.78		
(9) LOCATION	5.9 MI SW SH 5 @ BENTON		
(11) MILEPOINT 110.780	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000030220 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.53307	(17) LONGITUDE -92.67706		
(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	5 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	N (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 6	(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 1963	(106) YEAR RECONSTRUCTED 1984	(31) DESIGN LOAD	6
(42) TYPE OF SERVICE ON 6 UNDER 6		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 05		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 34000	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 75	(49) STRUCTURE LENGTH (ft.) 422	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 40.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	3
(52) DECK WIDTH, OUT-TO-OUT (ft.) 43		(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.) 40.0		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 20	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 41.0		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) H 14.92		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) H 4.5		(113) SCOUR CRITICAL BRIDGES	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 1.8		SUFFICIENCY RATING	79.1 STATUS 2
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	01
(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 20617	(115) YEAR OF FUTURE ADT 2028	(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
12 - Reinforced Concrete Deck	1- Ben.	18146	sq. ft.	9313	8586	247	0
	Large unsealed transverse cracks up to 1/8" wide. Soffit: Bay 3 only, all spans transverse cracks with efflorescence.						
1120 - Efflorescence/Rust Staining		100			100		
1130 - Cracking (RC and Other)		1137			890	247	
1190 - Abrasion/Wear (PSC/RC)		7596			7596		
107 - Steel Open Girder/Beam	1- Ben.	2940	ft.	1164	1714	62	0
	Span 5 most all beams have scrape marks Span 5, beam 7, dia 4, bottom weld active crack. Beam ends at bents have flaking rust due to leaking joint seals. Bottom flanges of all spans have freckling rust.						
1000 - Corrosion		1761			1700	61	
1020 - Connection		1				1	
7000 - Damage		14			14		
515 - Steel Protective Coating		26460	sq. ft.	0	6615	6615	13230
205 - Reinforced Concrete Column	1- Ben.	20	each	16	4	0	0
	Bent 3 column 3 has delam. Bent 6 column 3 has delam. Bent 6 column 3 has spall with exposed rebar. Bent 6 column 1 ahead face has exposed rebar.						
1080 - Delamination/Spall/Patched Area		2			2		
1090 - Exposed Rebar		2			2		
215 - Reinforced Concrete Abutment	1- Ben.	94	ft.	75	19	0	0
	Abutment 7, spall with exposed rebar. Abutments have scattered cracking.						
1090 - Exposed Rebar		1			1		
1130 - Cracking (RC and Other)		18			18		
234 - Reinforced Concrete Pier Cap	1- Ben.	202	ft.	199	3	0	0
	Bent 3 between columns 3 and 4 at construction joint.						
1120 - Efflorescence/Rust Staining		3			3		
302 - Compression Joint Seal	1- Ben.	298	ft.	0	85	86	127
	Bents 2, 4 and 5 no seal Bents 1, 3, 6 and 7 seal is torn.						
2310 - Leakage		298			85	86	127
311 - Movable Bearing	1- Ben.	42	each	42			
313 - Fixed Bearing	1- Ben.	42	each	42	0	0	0
321 - Reinforced Concrete Approach Slab	1- Ben.	2688	sq. ft.	2579	75	34	0
	Cracks in slab.						

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1130 - Cracking (RC and Other)		109			75	34	
331 - Reinforced Concrete Bridge Railing	1- Ben.	840	ft.	840			