

# Bridge Inspection Report

02225  
SH 28  
over  
Porter Creek



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: 02225

Inspection Date:

Facility Carried: SH 28

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/21/2016
(8) STRUCTURE NUMBER	02225	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 28 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY 08	(3) COUNTY CODE 149	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	Porter Creek	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 28		
(9) LOCATION	0.30 Mi W of Plainview	CONDITION	
(11) MILEPOINT 4.699	(12) BASE HIGHWAY NETWORK 0	(58) DECK	6
(13A) LRS INVENTORY ROUTE 0000000000	(13B) SUBROUTE NUMBER 00	(59) SUPERSTRUCTURE	5 (60) SUBSTRUCTURE 7
(16) LATITUDE 34.98480	(17) LONGITUDE -93.31062	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(98A) BORDER BRIDGE CODE		LOAD RATING AND POSTING	
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(31) DESIGN LOAD	2
STRUCTURE TYPE AND MATERIAL		(63) METHOD USED TO DETERMINE OPERATING RATING	2
(43) STRUCTURE TYPE, MAIN		(64) OPERATING RATING	60.0
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(65) METHOD USED TO DETERMINE INVENTORY RATING	2
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(66) INVENTORY RATING	36.0
(44) STRUCTURE TYPE, APPROACH SPANS		(70) BRIDGE POSTING	5
A) KIND OF MATERIAL/DESIGN: 0 - Other		(41) STRUCTURE OPEN/POSTED/CLOSED	A
B) TYPE OF DESIGN/CONSTR: 00 - Other		APPRAISAL	
(45) NUMBER OF SPANS IN MAIN 7	(46) NUMBER OF APPROACH 0	(67) STRUCTURAL EVALUATION	5
(107) DECK STRUCTURE TYPE 2	(108A) WEARING SURFACE 6	(68) DECK GEOMETRY	3
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
AGE OF SERVICE		(71) WATERWAY ADEQUACY	8
(27) YEAR BUILT 1952	(106) YEAR RECONSTRUCTED 0000	(72) APPROACH ROADWAY ALIGNMENT	8
(42) TYPE OF SERVICE ON 1 UNDER 5		(36) TRAFFIC SAFETY FEATURE	
(28) LANES ON 02 UNDER 00		36A) BRIDGE RAILINGS:	0
(29) AVERAGE DAILY TRAFFIC 1200	(19) BYPASS DETOUR LENGTH 7	36B) TRANSITIONS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		36C) APPROACH GUARDRAIL:	0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		36D) APPROACH GUARDRAIL ENDS:	0
GEOMETRIC DATA		(113) SCOUR CRITICAL BRIDGES	8
(48) LENGTH OF MAX SPAN (ft.) 19	(49) STRUCTURE LENGTH (ft.) 133	SUFFICIENCY RATING	2 STATUS 66.0
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		CLASSIFICATION	
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.3	(112) NBIS BRIDGE LENGTH	Y
(52) DECK WIDTH, OUT-TO-OUT (ft.)	24.6	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(100) STRAHNET HIGHWAY DESIGNATION	0
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	(101) PARALLEL STRUCTURE DESIGNATION	N
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	24.0	(102) DIRECTION OF TRAFFIC	2
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(103) TEMP STRUCTURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(105) FEDERAL LANDS HIGHWAYS	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(110) DESIGNATED NATIONAL NETWORK	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(20) TOLL	3
PROPOSED IMPROVEMENTS		(21) MAINTENANCE RESPONSIBILITY	01
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(22) OWNER	01
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	162.0	(37) HISTORICAL	5
(94) BRIDGE IMPROVEMENT COST (\$)	0	NAVIGATION DATA	
(95) ROADWAY IMPROVEMENT COST (\$)	117	(38) NAVIGATION CONTROL	0
(96) TOTAL PROJECT COST	398	(111) PIER OR ABUTMENT PROTECTION	1
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(39) NAV VERT CLEARANCE (ft.)	0
(114) FUTURE ADT 2044	(115) YEAR OF FUTURE ADT 2028	(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.	3272	sq. ft.	3272			
	5" asphalt overlay - Asphalt surface has major transverse cracks over joints and at each end of the structure and over piers.						
510 - Wearing Surfaces		3086	sq. ft.	2886	0	200	0
3220 - Crack (Wearing Surface)		200				200	
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	931	ft.	389	259	283	0
	Spalls with rebar exposed, delamination and cracks throughout. Some reinforcing steel has minor section loss. See attached Channel Beam Notes for complete details.						
1080 - Delamination/Spall/Patched Area		176				176	
1130 - Cracking (RC and Other)		366			259	107	
205 - Reinforced Concrete Column	1- Ben.	12	each	12			
215 - Reinforced Concrete Abutment	1- Ben.	50	ft.	50			
	Minor erosion under both abutments.						
234 - Reinforced Concrete Pier Cap	1- Ben.	150	ft.	150			
330 - Metal Bridge Railing	1- Ben.	266	ft.	0	266	0	0
	Light rust on rail throughout. Only primer remains in some places.						
1000 - Corrosion		266			266		
515 - Steel Protective Coating		798	sq. ft.	0	98	500	200
3440 - Effectiveness (Steel Protective Coatings)		798			98	500	200

NOTE: 5" of ACHM overlay on bridge deck