

Inspector:

Structure Number: M0145

Inspection Date:

Facility Carried: SH 5 WHITE CO.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/16/2016
(8) STRUCTURE NUMBER	M0145	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 5 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 5 WHITE CO.		
(9) LOCATION	6.18 MI NO JCT US 64		
(11) MILEPOINT 6.129	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000005140 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.18592	(17) LONGITUDE -92.07552		
(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: 1 - Concrete		(59) SUPERSTRUCTURE 6	(60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(61) CHANNEL & CHANNEL PROTECTION	7 (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 2	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 2	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1964	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	2
(42) TYPE OF SERVICE ON 1 UNDER 5		(83) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 2500	(19) BYPASS DETOUR LENGTH 24	(85) 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
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 19	(49) STRUCTURE LENGTH (ft.) 38		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0			
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.3		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25		
(32) APPROACH ROADWAY WIDTH (ft.)	24.9		
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0		
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.6		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0		
PROPOSED IMPROVEMENTS		APPRAISAL	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(87) STRUCTURAL EVALUATION	6
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 62.0		(68) DECK GEOMETRY	2
(94) BRIDGE IMPROVEMENT COST (\$)	0	(89) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(95) ROADWAY IMPROVEMENT COST (\$)	156	(71) WATERWAY ADEQUACY	8
(96) TOTAL PROJECT COST	324	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 5421	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	0
		36B) TRANSITIONS:	0
		36C) APPROACH GUARDRAIL:	0
		36D) APPROACH GUARDRAIL ENDS:	0
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	2 STATUS 72.1
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
		(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
		(102) DIRECTION OF TRAFFIC	2
		(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(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
16 - Reinforced Concrete Top Flange	1- Ben.	950	sq. ft.	914	36		0
	Cracks to asphalt overlay. Minor/moderate cracks with efflorescence present.						
1130 - Cracking (RC and Other)		36			36		
510 - Wearing Surfaces		920	sq. ft.	0	920		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	266	ft.	196	0	70	0
	Span 1 - Moderate efflorescent cracking to Units 6 & 7. Span 2 - Spalling & deterioration to outside edge of Units 1 & 7 @ beginning of span. Heavy efflorescent cracking to Units 1, 6 & 7. Spall with 2' rebar exposed to Unit 1 diaphragm @ end of span.						
1120 - Efflorescence/Rust Staining		70				70	
205 - Reinforced Concrete Column	1- Ben.	2	each	2	0		0
	Minor spall with 4" rebar exposed to right column @ Bent 1.						
215 - Reinforced Concrete Abutment	1- Ben.	102	ft.	99	3		0
	Minor spalls no rebar exposed to Abutment 1 under units 3 & 4. Abutment 1 has scour with top of footing exposed. Channel has realigned to Span 1. Efflorescence crack to right side of Abutment 1. 2 Full height vertical crack @ Abutment 2.						
220 - Reinforced Concrete Pile Cap/Footing	1- Ben.	112	ft.	112			
	Footing exposed @ Abutment 1 & Bent 1.						
234 - Reinforced Concrete Pier Cap	1- Ben.	26	ft.	24	2		0
	Minor spall with 6" rebar to back face of cap. Area of delaminating back side of bent 1 over column 2. 3' Cracking to ahead side of cap near column 1 ahead side.						
330 - Metal Bridge Railing	1- Ben.	76	ft.	76			
515 - Steel Protective Coating		228	sq. ft.	228			