

Bridge Inspection Report

05658

**SH 384/Jackson Co.
over
VILLAGE CREEK**



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 05658

Inspection Date:

Facility Carried: SH 384/Jackson Co.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/08/2016
(8) STRUCTURE NUMBER	05658	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 384 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 067	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	VILLAGE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 384/Jackson Co.		
(9) LOCATION	1.6 MI E JCT US 67		
(11) MILEPOINT 1.620	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.60785	(17) LONGITUDE -91.22315		
(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	7
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(60) SUBSTRUCTURE	6
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
A) KIND OF MATERIAL/DESIGN: 0 - Other			
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 11	(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	4
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 00		(64) OPERATING RATING	59.0
(29) AVERAGE DAILY TRAFFIC 2400	(19) BYPASS DETOUR LENGTH 10	(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
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 30	(49) STRUCTURE LENGTH (ft.) 330		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0			
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	30.7		
(32) APPROACH ROADWAY WIDTH (ft.)	29.9		
(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.)	29.9		
(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	(75B) WORK DONE BY	(67) STRUCTURAL EVALUATION	6
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(68) DECK GEOMETRY	4
(94) BRIDGE IMPROVEMENT COST (\$)	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(71) WATERWAY ADEQUACY	8
(96) TOTAL PROJECT COST	0	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 3362	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	1
		36B) TRANSITIONS:	1
		36C) APPROACH GUARDRAIL:	0
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	0 STATUS 88.5
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
		(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
38 - Reinforced Concrete Slab	1- Ben.	10091	sq. ft.	9961	130	0	0
	Efflorescent cracking to outside of deck @ joints over all bents. 45 degree cracks to Left & Right gutter lines @ joints.						
1120 - Efflorescence/Rust Staining		80			80		
1130 - Cracking (RC and Other)		50			50		
215 - Reinforced Concrete Abutment	1- Ben.	68	ft.	28	40	0	0
	Erosion to embankment exposing 3 piles at Abument 1. Erosion to embankment exposing 2 piles at Abument 2.						
6000 - Scour		40			40		
227 - Reinforced Concrete Pile	1- Ben.	65	each	19	46	0	0
	Spalls to top of Pile 6 @ Bents 1 & 3 with no rebar exposed. Scour at Bents 1 through 8.						
1080 - Delamination/Spall/Patched Area		2			2		
6000 - Scour		44			44		
234 - Reinforced Concrete Pier Cap	1- Ben.	310	ft.	310	0	0	0
301 - Pourable Joint Seal	1- Ben.	336	ft.	0	322	14	0
	Pourable joints at Abutments 1 & 2 have debris in joints. All joints are cracked, deteriorated and losing adhesion.						
2320 - Seal Adhesion		294			280	14	
2350 - Debris Impaction		42			42		
321 - Reinforced Concrete Approach Slab	1- Ben.	840	sq. ft.	840			
	Rodent holes under each side of approach slabs @ Abutments 1 & 2 near abutments. Approach Slabs at Abutments 1 & 2 have asphalt overlay.						
331 - Reinforced Concrete Bridge Railing	1- Ben.	660	ft.	660			