

# Bridge Inspection Report

**A2041**  
**US 167 S-4 LM 1.38**  
**over**  
**CHAMAGNOLLE CREEK**



**Inspection Date:**

**Inspected By:**

**Inspection Type(s):**

Inspector:

Structure Number: A2041

Inspection Date:

Facility Carried: US 167 S-4 LM 1.38

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/21/2016
(8) STRUCTURE NUMBER	A2041	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 167 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 013	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	CHAMAGNOLLE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 167 S-4 LM 1.38		
(9) LOCATION	1.38 MI N JCT OF SH 4		
(11) MILEPOINT 1.379	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000167040 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	33.557613 (17) LONGITUDE -92.467964		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam		(61) CHANNEL & CHANNEL PROTECTION	6 (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	5 (46) NUMBER OF APPROACH	0	
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	6	
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	0	
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1937 (106) YEAR RECONSTRUCTED	1969	
(42) TYPE OF SERVICE	ON 1 UNDER 5		
(28) LANES	ON 02 UNDER 00		
(29) AVERAGE DAILY TRAFFIC	3300 (19) BYPASS DETOUR LENGTH	7	
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014		
(109) AVERAGE DAILY TRUCK TRAFFIC	26		
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	32 (49) STRUCTURE LENGTH (ft.)	162	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	43.0		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	47		
(32) APPROACH ROADWAY WIDTH (ft.)	44.0		
(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.)	44.0		
(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		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0		
(94) BRIDGE IMPROVEMENT COST (\$)	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0		
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	4300 (115) YEAR OF FUTURE ADT	2033	
		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

Note: 2" ACHM overlay on deck

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	3240	sq. ft.	3090	150	0	0
1130 - Cracking (RC and Other)		150			150		
510 - Wearing Surfaces		3969	sq. ft.	2778	1191	0	0
3220 - Crack (Wearing Surface)		1191			1191		
38 - Reinforced Concrete Slab	1- Ben.	3726	sq. ft.	3626	100	0	0
1130 - Cracking (RC and Other)		100			100		
510 - Wearing Surfaces		3052	sq. ft.	2136	916	0	0
3220 - Crack (Wearing Surface)		916			916		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	648	ft.	648			
227 - Reinforced Concrete Pile	1- Ben.	48	each	16	32	0	0
	All pile in the channel are beginning to show signs of abrasion and wear to the face of the piling, from waterline up the piling about 3'.						
1190 - Abrasion/Wear (PSC/RC)		32			32		
234 - Reinforced Concrete Pier Cap	1- Ben.	258	ft.	255	0	3	0
1080 - Delamination/Spall/Patched Area		2				2	
1090 - Exposed Rebar		1				1	
302 - Compression Joint Seal	1- Ben.	282	ft.	282			
311 - Movable Bearing	1- Ben.	20	each	0	0	20	0
1000 - Corrosion		20				20	
313 - Fixed Bearing	1- Ben.	20	each	0	20	0	0
1000 - Corrosion		20			20		
330 - Metal Bridge Railing	1- Ben.	324	ft.	324			