

Bridge Inspection Report

06013
SH 367 Log 9.17
over
FOURCHE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06013

Inspection Date:

Facility Carried: SH 367 Log 9.17

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/18/2016
(8) STRUCTURE NUMBER	06013	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 367 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	06 (3) COUNTY CODE 119	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	39020	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	FOURCHE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 367 Log 9.17		
(9) LOCATION	.5 MI SO OF I-30		
(11) MILEPOINT 9.168	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000367130 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.70261	(17) LONGITUDE -92.28032		
(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: 1 - Concrete		(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 6
B) TYPE OF DESIGN/CONSTR: 01 - Slab		(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 8	(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 1985	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(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	60.0
(29) AVERAGE DAILY TRAFFIC 6700	(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 3		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 36	(49) STRUCTURE LENGTH (ft.) 280	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 44.0		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 47		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 44.0		(72) APPROACH ROADWAY ALIGNMENT	6
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(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.) 45.6		36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 97.4
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	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	14
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 9462	(115) YEAR OF FUTURE ADT 2028	(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.	13160	sq. ft.	11178	1382	600	0
	Large unsealed cracks in all spans.						
1130 - Cracking (RC and Other)		1982			1382	600	
215 - Reinforced Concrete Abutment	1- Ben.	109	ft.	109			
225 - Steel Pile	1- Ben.	54	each	0	48	6	0
	Bent 6 pile 3& 4, Bent 7 pile 3&4, Pile are exposed below the encasement with pitting, flaking rust and section loss. Photos attached. Bent 6 pile 6, bent 7 pile 2 have active corrosion with pitting up to 1/8" above encasement. All piles have minor corrosion at caps.						
1000 - Corrosion		54			48	6	
515 - Steel Protective Coating		2592	sq. ft.	0	1102	1101	389
3440 - Effectiveness (Steel Protective Coatings)		2592			1102	1101	389
234 - Reinforced Concrete Pier Cap	1- Ben.	380	ft.	317	46	17	0
	Bents 2,3,4,5,6,7&8 all have large spalls and delams. See photo						
1080 - Delamination/Spall/Patched Area		17				17	
1130 - Cracking (RC and Other)		46			46		
301 - Pourable Joint Seal	1- Ben.	356	ft.	0	356	0	0
2310 - Leakage		356			356		
331 - Reinforced Concrete Bridge Railing	1- Ben.	560	ft.	275	285	0	0
1130 - Cracking (RC and Other)		285			285		

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Pictures



No overlay on the
bridge deck.



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Maintenance Needs

Date Reported: 05/18/2016

Priority: C - Important

Work Code:

Deficiency Description:

Guardrail damaged from traffic impact on southeast end of bridge.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Assigned Pulaski 2 11-14-16

Stage: Open



PHOTO 1 Description Guardrail damaged from traffic impact on southeast end of bridge.

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Maintenance Needs

Date Reported: 5/22/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

The embankment at both abutments has settled, exposing "H" pile below the concrete.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Bent 1 embankment has settled exposing "H" piles.

Stage: Assigned



PHOTO 2 Description Bent 9 embankment has settled exposing "H" piles.

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Maintenance Needs

Date Reported: 5/22/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 6 pile 3 and 4, Bent 7 pile 4, Pile are exposed below the encasement with pitting, flaking rust and section loss. Photos attached.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Bent 6 pile 3 is exposed below encasement have active rust and section loss. Flanges of pile are down to a knives edge.

Stage: Monitor



PHOTO 2 Description Bent 6 pile 6 active corrosion and section loss above encasement.