

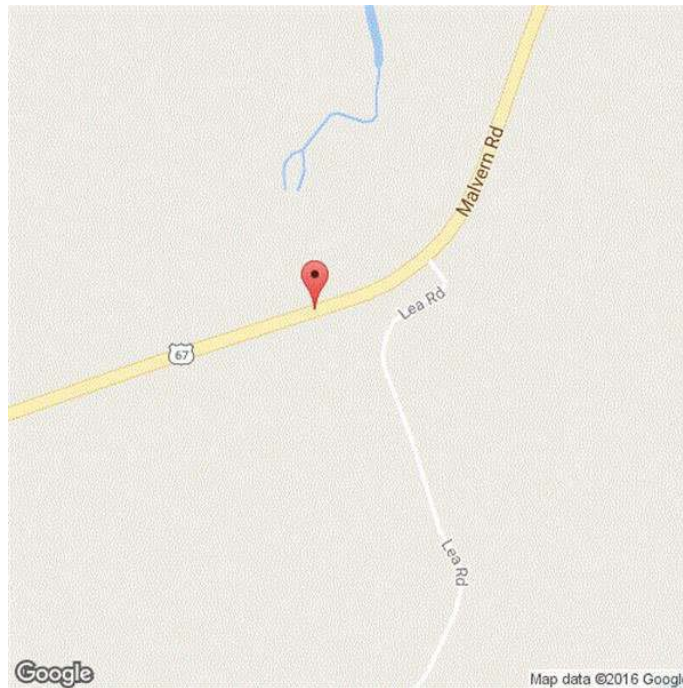
Bridge Inspection Report

00657

US67Lm7.38Sec6Clar

over

DE ROCHE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 00657

Inspection Date:

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/07/2016
(8) STRUCTURE NUMBER	00657	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 67 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY 07	(3) COUNTY CODE 019	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	DE ROCHE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US67Lm7.38Sec6Clar		
(9) LOCATION	AT HOT SPRING CO LINE		
(11) MILEPOINT 7.389	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 34.206067855377924	(17) LONGITUDE -93.02749714864626		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE 5	(60) SUBSTRUCTURE 5
B) TYPE OF DESIGN/CONSTR: 11 - Arch - Deck		(61) CHANNEL & CHANNEL PROTECTION 7	(62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN: 1 - Concrete			
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam			
(45) NUMBER OF SPANS IN MAIN 1	(46) NUMBER OF APPROACH 4		
(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 1929	(106) YEAR RECONSTRUCTED 1956	(31) DESIGN LOAD	2
(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	47.0
(29) AVERAGE DAILY TRAFFIC 1500	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	28.0
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 90	(49) STRUCTURE LENGTH (ft.) 230	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5 RIGHT 1.5		(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 27.9		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 31		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 27.9		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 31.2		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	8
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	0 STATUS 70.3
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 264.0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	121	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	580	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(102) DIRECTION OF TRAFFIC	2
		(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(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

Inspector:

Structure Number: 00657

Inspection Date:

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

National Bridge Inventory

(114) FUTURE ADT 1569

(115) YEAR OF FUTURE ADT 2028

(40) NAV HORIZONTAL CLEARANCE (ft.) 0

Inspector:

Structure Number: 00657

Inspection Date:

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	6440	sq. ft.	191	6149	100	0
1080 - Delamination/Spall/Patched Area		2100		0	2000	100	0
1090 - Exposed Rebar		2		0	2	0	0
1130 - Cracking (RC and Other)		100		0	100	0	0
1190 - Abrasion/Wear (PSC/RC)		4047		0	4047	0	0
107 - Steel Open Girder/Beam	1- Ben.	178	ft.	0	178	0	0
1000 - Corrosion		178		0	178	0	0
515 - Steel Protective Coating		1958	sq. ft.	1658	300	0	0
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	700	ft.	600	100	0	0
1130 - Cracking (RC and Other)		100		0	100	0	0
144 - Reinforced Concrete Arch	1- Ben.	178	ft.	0	158	20	0
1080 - Delamination/Spall/Patched Area		20		0	0	20	0
1190 - Abrasion/Wear (PSC/RC)		158		0	158	0	0
202 - Steel Column	1- Ben.	8	each	8	0	0	0
515 - Steel Protective Coating		1120	sq. ft.	1020	100	0	0
205 - Reinforced Concrete Column	1- Ben.	20	each	20	0	0	0
215 - Reinforced Concrete Abutment	1- Ben.	62	ft.	62	0	0	0
231 - Steel Pier Cap	1- Ben.	112	ft.	32	80	0	0
1000 - Corrosion		60		0	60	0	0
1010 - Cracking		20		0	20	0	0
515 - Steel Protective Coating		112	sq. ft.	82	30	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	104	ft.	74	30	0	0
1080 - Delamination/Spall/Patched Area		10		0	10	0	0
1090 - Exposed Rebar		10		0	10	0	0
1130 - Cracking (RC and Other)		10		0	10	0	0
304 - Open Expansion Joint	1- Ben.	56	ft.	0	52	4	0
7000 - Damage		56		0	52	4	0
311 - Movable Bearing	1- Ben.	4	each	0	4	0	0
1000 - Corrosion		4		0	4	0	0
313 - Fixed Bearing	1- Ben.	4	each	0	4	0	0
1000 - Corrosion		4		0	4	0	0
330 - Metal Bridge Railing	1- Ben.	280	ft.	0	280	0	0
1000 - Corrosion		280		0	280	0	0

Inspector:

Structure Number: 00657

Inspection Date:

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Element Inspection

Main Span

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	2520	sq. ft.	0	2420	100	0
	Deck is worn with numerous old patches, some losing bond, cracks and heavy traffic wear with exposed aggregates span wide. The deck has been widened and the new gutter lines have shelled away and been skin patched.						
1080 - Delamination/Spall/Patched Area		1100			1000	100	
1130 - Cracking (RC and Other)		100			100		
1190 - Abrasion/Wear (PSC/RC)		1320			1320		
107 - Steel Open Girder/Beam	1- Ben.	178	ft.	0	178	0	0
	Paint has corrosion, some rust to steel. Some areas were patched by D7 bridge crew.						
1000 - Corrosion		178			178		
515 - Steel Protective Coating		1958	sq. ft.	1658	300		
144 - Reinforced Concrete Arch	1- Ben.	178	ft.	0	158	20	0
	Spandrel column 4 left and right are spalled with exposed steel , normal abrasion and wear. D7 has added steel columns and						
1080 - Delamination/Spall/Patched Area		20				20	
1190 - Abrasion/Wear (PSC/RC)		158			158		
202 - Steel Column	1- Ben.	8	each	8	0	0	0
	Very minor rusting.						
515 - Steel Protective Coating		1120	sq. ft.	1020	100		
205 - Reinforced Concrete Column	1- Ben.	8	each	8			
231 - Steel Pier Cap	1- Ben.	112	ft.	32	80	0	0
	Old corrosion and section loss entire steel caps. Top flange on bt 4 cap is knife edged and has a crack. Some new rust since last painting.						
1000 - Corrosion		60			60		
1010 - Cracking		20			20		
515 - Steel Protective Coating		112	sq. ft.	82	30		
304 - Open Expansion Joint	1- Ben.	56	ft.	0	52	4	0
	Both joints have been sawn out and repaired with "SSI" epoxy. A 4' x 7" section of the bent 4 joint has failed. Leaving a wide void in the SB traffic lane.						
7000 - Damage		56			52	4	
311 - Movable Bearing	1- Ben.	4	each	0	4	0	0
	Rusty						
1000 - Corrosion		4			4		

Inspector:

Structure Number: 00657

Inspection Date:

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Element Inspection

Approach spans

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	3920	sq. ft.	191	3729	0	0
	Spalls and chips heavy wear entire deck.						
1080 - Delamination/Spall/Patched Area		1000			1000		
1090 - Exposed Rebar		2			2		
1190 - Abrasion/Wear (PSC/RC)		2727			2727		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	700	ft.	600	100	0	0
	Flexure cracks, wear .						
1130 - Cracking (RC and Other)		100			100		
205 - Reinforced Concrete Column	1- Ben.	12	each	12			
215 - Reinforced Concrete Abutment	1- Ben.	62	ft.	62			
234 - Reinforced Concrete Pier Cap	1- Ben.	104	ft.	74	30	0	0
	Bt b2 cap has cracks on right end also spalls with exposed steel.						
1080 - Delamination/Spall/Patched Area		10			10		
1090 - Exposed Rebar		10			10		
1130 - Cracking (RC and Other)		10			10		
313 - Fixed Bearing	1- Ben.	4	each	0	4	0	0
	Rusty						
1000 - Corrosion		4			4		
330 - Metal Bridge Railing	1- Ben.	280	ft.	0	280	0	0
	Rust and exposed primer						
1000 - Corrosion		280			280		

Inspector:

Inspection Date:

Structure Number: 00657

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Pictures



No overlay on deck



Inspector:

Inspection Date:

Structure Number: 00657

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Sketches

Inspector:

Inspection Date:

Structure Number: 00657

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/27/2011 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Approach rail

Left side rail and one concrete post @ abutment 2 have collision damage.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Inspection Date:

Structure Number: 00657

Facility Carried: US67Lm7.
38Sec6Clar

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/07/2016

Priority: B - Pressing; 6 month completion goal

Work Code:

Deficiency Description:

Exposed rebar end @ the bent 5 joint in the NB traffic lane.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description