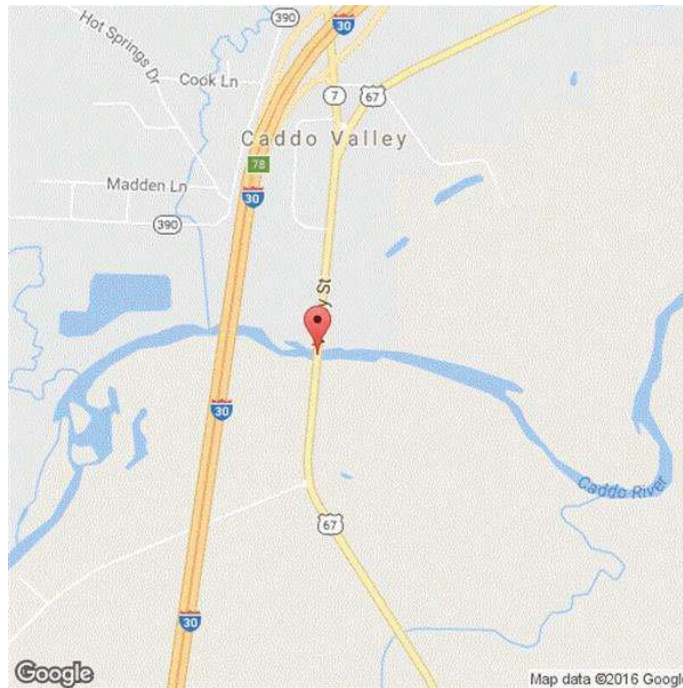


# Bridge Inspection Report

00899

US67SEC6Lm3.73Clar  
over  
CADDO RIVER



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 00899

Inspection Date:

Facility Carried: US67SEC6Lm3.  
73Clar

## Bridge Inspection Report

## National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/25/2016
(8) STRUCTURE NUMBER	00899	(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	CADDO RIVER	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US67SEC6Lm3.73Clar		
(9) LOCATION	.4 MI S JCT SH 7		
(11) MILEPOINT 3.739	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000067060	(13B) SUBROUTE NUMBER	00
(16) LATITUDE	34.17640	(17) LONGITUDE	-93.07119
(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: 3 - Steel		(59) SUPERSTRUCTURE	5
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	5
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 04 - Tee Beam			
(45) NUMBER OF SPANS IN MAIN	2	(46) NUMBER OF APPROACH	30
(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	1930	(106) YEAR RECONSTRUCTED	1957
(42) TYPE OF SERVICE	ON 1 UNDER 5	(31) DESIGN LOAD	4
(28) LANES	ON 02 UNDER 00	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(29) AVERAGE DAILY TRAFFIC	8500	(64) OPERATING RATING	36.0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(66) INVENTORY RATING	22.0
		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	101.0	(49) STRUCTURE LENGTH (ft.)	1103.0
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(67) STRUCTURAL EVALUATION	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(68) DECK GEOMETRY	4
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.6	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(32) APPROACH ROADWAY WIDTH (ft.)	38.1	(71) WATERWAY ADEQUACY	8
(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.)	30.8	(72) APPROACH ROADWAY ALIGNMENT	6
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(36) TRAFFIC SAFETY FEATURE	
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36A) BRIDGE RAILINGS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 0	36B) TRANSITIONS:	0
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	36C) APPROACH GUARDRAIL:	0
		36D) APPROACH GUARDRAIL ENDS:	0
		(113) SCOUR CRITICAL BRIDGES	5
		SUFFICIENCY RATING	0
		STATUS	51.4
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	31	(75B) WORK DONE BY	1
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	1141.0	(112) NBIS BRIDGE LENGTH	Y
(94) BRIDGE IMPROVEMENT COST (\$)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(95) ROADWAY IMPROVEMENT COST (\$)	265	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(96) TOTAL PROJECT COST	4010	(100) STRAHNET HIGHWAY DESIGNATION	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2002	(101) PARALLEL STRUCTURE DESIGNATION	N
(114) FUTURE ADT	9412	(102) DIRECTION OF TRAFFIC	2
(115) YEAR OF FUTURE ADT	2028	(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
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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## Bridge Inspection Report

## Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	1- Ben.	6363	sq. ft.	0	5963	400	0
	All spans , approach and main spans have numerous cracks, spalls and chips with exposed aggregates. Old skin patched areas of spans 29,30 have worn and degraded surface , exposed steel. see pictures. Joint armor is missing at several joints and the adjacent deck edges have been chipped and have cracking and spalling.						
1080 - Delamination/Spall/Patched Area		1500			1100	400	
1090 - Exposed Rebar		50			50		
1130 - Cracking (RC and Other)		2000			2000		
1190 - Abrasion/Wear (PSC/RC)		2813			2813		
<b>16 - Reinforced Concrete Top Flange</b>	1- Ben.	30663	sq. ft.	0	30163	500	0
	All spans , approach and main spans have numerous cracks, spalls and chips with exposed aggregates. Old skin patched areas of spans 29,30 have worn and degraded surface , exposed steel. see pictures. Join armor is missing at several joints and the adjacent deck edges have been chipped and have cracking and spalling.						
1080 - Delamination/Spall/Patched Area		3000			2500	500	
1090 - Exposed Rebar		100			100		
1130 - Cracking (RC and Other)		4500			4500		
1190 - Abrasion/Wear (PSC/RC)		23063			23063		
<b>107 - Steel Open Girder/Beam</b>	1- Ben.	1010	ft.	910	100	0	0
	Minor corrosion noted.						
1000 - Corrosion		100			100		
515 - Steel Protective Coating		11718	sq. ft.	11618	100		
<b>110 - Reinforced Concrete Open Girder/Beam</b>	1- Ben.	5286	ft.	5061	225	0	0
	G 3 bt 11 (back) fresh spalls with exposed steel. Bt 21 (back) girders 3-4 have fresh spalls and cracks. Girder 6 @ Bent 15 (ahead and back) cracks @ girder ends. Note several previously noted girders have been supplemented by concrete footers supporting painted steel columns. The above noted deficiencies do not have supplemental support under the girders.						
1080 - Delamination/Spall/Patched Area		100			100		
1090 - Exposed Rebar		25			25		
1130 - Cracking (RC and Other)		100			100		
<b>202 - Steel Column</b>	1- Ben.	46	each	46			
	Steel columns are bearing on concrete footings and are supporting chipped concrete beams. bent 5 (back)(ahead) G 6 for a total of 7. Bents 9,11,15, 17, 19 (back) have 6 each for a total of 30 , Bent 27 (ahead) has 6 and bent 27 (ahead) has 6 for a total of 46						
515 - Steel Protective Coating		2760	sq. ft.	2760			
<b>205 - Reinforced Concrete Column</b>	1- Ben.	10	each	10			

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## Bridge Inspection Report

## Element Inspection

<b>215 - Reinforced Concrete Abutment</b>	1- Ben.	63	ft.	32	31	0	0
	Abutment 2 is cracked on right side under G 5 , this crack extends to the wing wall.						
1130 - Cracking (RC and Other)		31			31		
<b>227 - Reinforced Concrete Pile</b>	1- Ben.	156	each	156			
<b>234 - Reinforced Concrete Pier Cap</b>	1- Ben.	3980	ft.	3980	0	0	0
	Numerous spalls , some with exposed steel @ bearing areas with the concrete beams , D7 bridge crew has added false bents to support 46 chipped and spalled girders for a total of 46 that are supported. Bents 5,9,11,13,15,17,19,27 all have from 1 to 6 spalled girders .						
1080 - Delamination/Spall/Patched Area							
1130 - Cracking (RC and Other)							
<b>303 - Assembly Joint with Seal</b>	1- Ben.	980	ft.	0	980	0	0
	All joints have wear and abrasions, several have missing joint armor , all are leaking allowing water and debris onto caps, girders bearings etc. See pictures section.						
2330 - Seal Damage		100			100		
2360 - Adjacent Deck or Header		500			500		
2370 - Metal Deterioration or Damage		380			380		
<b>311 - Movable Bearing</b>	1- Ben.	10	each	0	10	0	0
	Some corrosion						
1000 - Corrosion		10			10		
<b>313 - Fixed Bearing</b>	1- Ben.	10	each	0	10	0	0
1000 - Corrosion		10			10		
<b>330 - Metal Bridge Railing</b>	1- Ben.	2206	ft.	0	2206	0	0
	Corrosion and normal wear.						
1000 - Corrosion		2206			2206		



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## Bridge Inspection Report

### Pictures



No overlay on bridge deck



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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 9/9/2014 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Deck Joint Seals - Most all are missing and allowing dirt, debris, and road salts to collect on top of caps and girder ends. Bt. 21 joint assembly joint/seal has been removed and the patched concrete @ joint back in Lt. travel lane on the ahd side is failing and patch is coming out.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 9/9/2014 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

Span 4 deck Rt., deck spall (4'x2'x1/2"d). Span 4 Lt., deck spall (1'x1'x3/4"d). Span 30 Rt. deck spalling. Span 31 Rt., deck spall with exposed steel (1 1/2' x 2' x 1 1/4"d). Span 32 Rt. deck spall with exposed steel (approx. 10' x 3 1/2' x 1 1/2"d). There are other areas of deck scaling and spalling, most in the Rt. lanes.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 9/10/2014 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Numerous cap have vegetation growing on them, both sides of the bridge.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Inspector:

Structure Number: 00899

Inspection Date:

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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 9/10/2014 12:00:00 AM

Priority: C - Important

Work Code:

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#### Deficiency Description:

Bt. 30 Pier Column #2 Bk, there is 10 ft of spall with exposed steel, the spall is just below the bottom of the pier cap. The spall is approx. 3" deep and 1 1/2 ft wide and continues down to the original spall.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 9/10/2014 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Abutment 2 @ Girder #5 there is a large crack coming down the inside of the backwall and continues across the bottom of the girder and then back out to the edge of the wingwall.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Date Reported: 9/10/2014 12:00:00 AM

Priority: D - Routine

Work Code:

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#### Deficiency Description:

Bt. 8 back, cap - towards the end of the cap, there is large delamn under Gdr. #1 @ bearing area.

Bt. 8 pile # 1 is cracked and starting to delamn. The crack starts @ the bottom of the cap.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

---



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### Bridge Inspection Report

#### Maintenance Needs

Date Reported: 08/25/2016

Priority: C - Important

Work Code:

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#### Deficiency Description:

Fresh spalls noted since last inspection. Girder 3 bent 11 (back) Girder 6 bent 15 (ahead) and Girders 3-4 bent 21 (back) . Also the bent 21 cap (ahead) is spalled under girders 5-6.

#### Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1 Description

Stage: Open



PHOTO 2 Description

Inspector:

Inspection Date:

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## Bridge Inspection Report

### Maintenance Needs

Stage: Open



PHOTO 3      Description