



Latitude:34.17431, Longitude:-93.07434

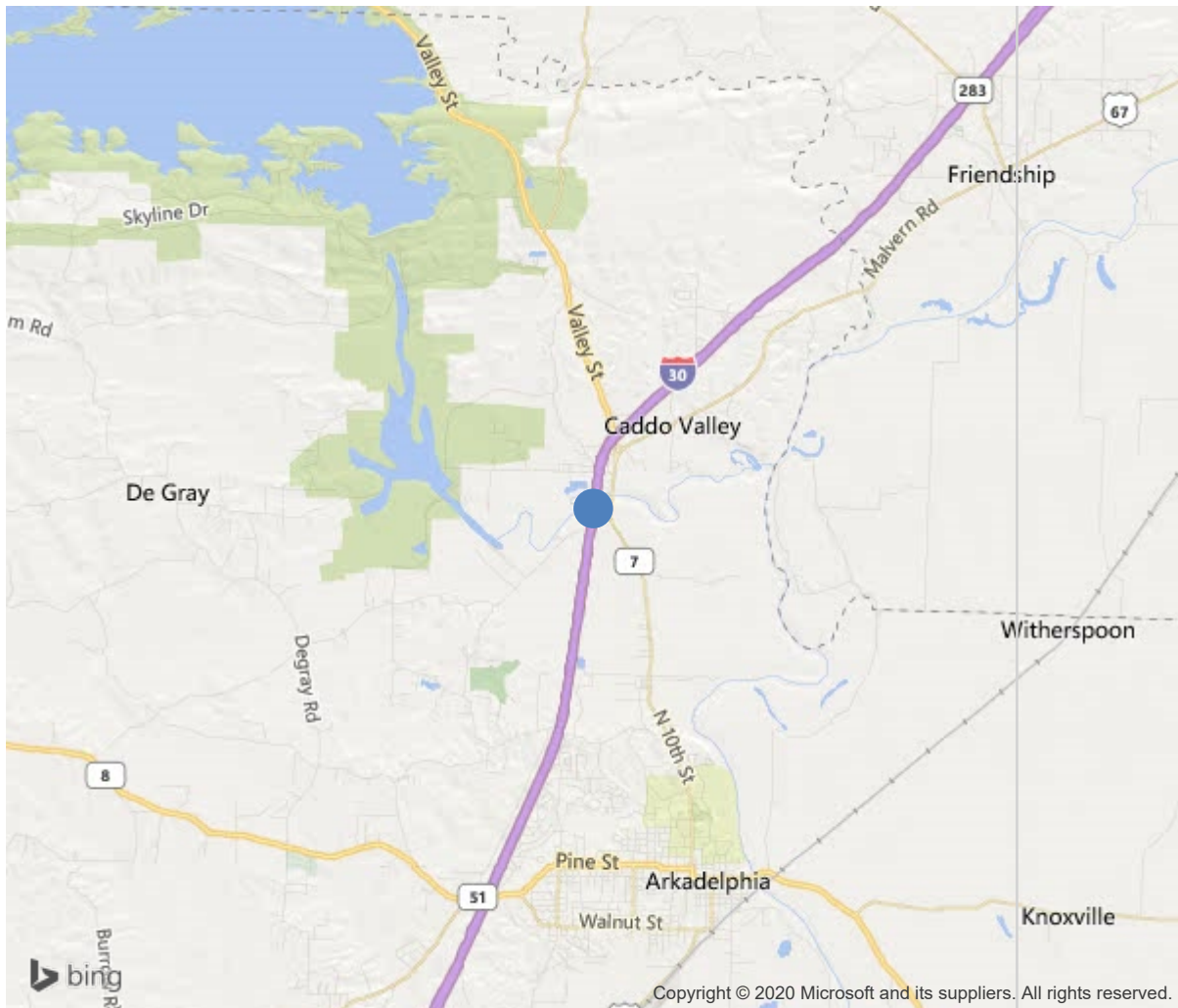
Route:30 Section:14 Log:76.81

Arnold Road ID:10x30x14xA, Arnold Log mile:76.774

District 07, Clark County

Owner: 1-State Highway Agency

.74 MI SW JCT SH 7



34.17431, -93.07434



Bridge #B3706(Routine)

I- 30 SEC 14, EB L over CADDO RIVER

Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton Inspection Date: June 15, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B3706
(5) Inventory Route	30
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	0
(6) Features Intersected	CADDO RIVER
(7) Facility Carried	I- 30 SEC 14, EB L
(9) Location	.74 MI SW JCT SH 7
(11) Mile Point	76.81 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030140
(16) Latitude	34.17431
(17) Longitude	-93.07434
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
Type	2-Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	20
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1965
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	16000
(30) Year of ADT	2018
(109) Truck ADT	52 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	80 ft
(49) Structure Length	1142 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	39.7 ft
(52) Deck Width Out to Out	42.7 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0-No navigation control on water
(111) Pier Protection	1-Navigation protection not requ
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	1
(26) Functional Class	11-Urban Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	L-The left structure of parallel
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	1-The inventory route is part of the
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	6
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	20
Rating	36
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	5-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	Widening of existing bridge or
(76) Length of Structure Improvement	1142 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 201
(96) Total Project Cost	\$ 825
(97) Year of Improvement Cost Estimate	1997
(114) Future ADT	16894
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	202006
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No 24
B: Underwater Inspection	No 0
C: Other Special Inspection	No 0

SUFFICIENCY RATING	94.9
STATUS (SD/FO/None)	Not Deficient



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Team Lead: Rickie Bratton, Inspection Date: June 15, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	48763	34114	14649	0	0
1080	Delamination/Spall/Patched Area	SF	20	0	20	0	0
1130	Cracking (RC and Other)	SF	14629	0	14629	0	0
(12)	Some minor cracks and spalls.						
107	Steel Open Girder/Beam	LF	6660	6616	0	44	0
1000	Corrosion	LF	42	0	0	42	0
1020	Connection	LF	2	0	0	2	0
515	Steel Protective Coating	SF	49424	49424	0	0	0
210	Reinforced Concrete Pier Wall	LF	30	20	10	0	0
1090	Exposed Rebar	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
215	Reinforced Concrete Abutment	LF	85	85	0	0	0
227	Reinforced Concrete Pile	EA	142	141	0	1	0
1090	Exposed Rebar	EA	1	0	0	1	0
(227)	Bent 7 pile 4, exposed rebar.						
234	Reinforced Concrete Pier Cap	LF	836	781	5	50	0
1080	Delamination/Spall/Patched Area	LF	25	0	0	25	0
1090	Exposed Rebar	LF	25	0	0	25	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(234)	Some spalls with delamination. Some exposed steel. Moderate section loss.						
302	Compression Joint Seal	LF	836	204	0	632	0
2310	Leakage	LF	310	0	0	310	0
2340	Seal Cracking	LF	310	0	0	310	0
2360	Adjacent Deck or Header	LF	12	0	0	12	0
(302)	Cracking and leaking.						
311	Movable Bearing	EA	138	138	0	0	0
313	Fixed Bearing	EA	138	138	0	0	0
321	Reinforced Concrete Approach Slab	SF	2888	2166	522	200	0



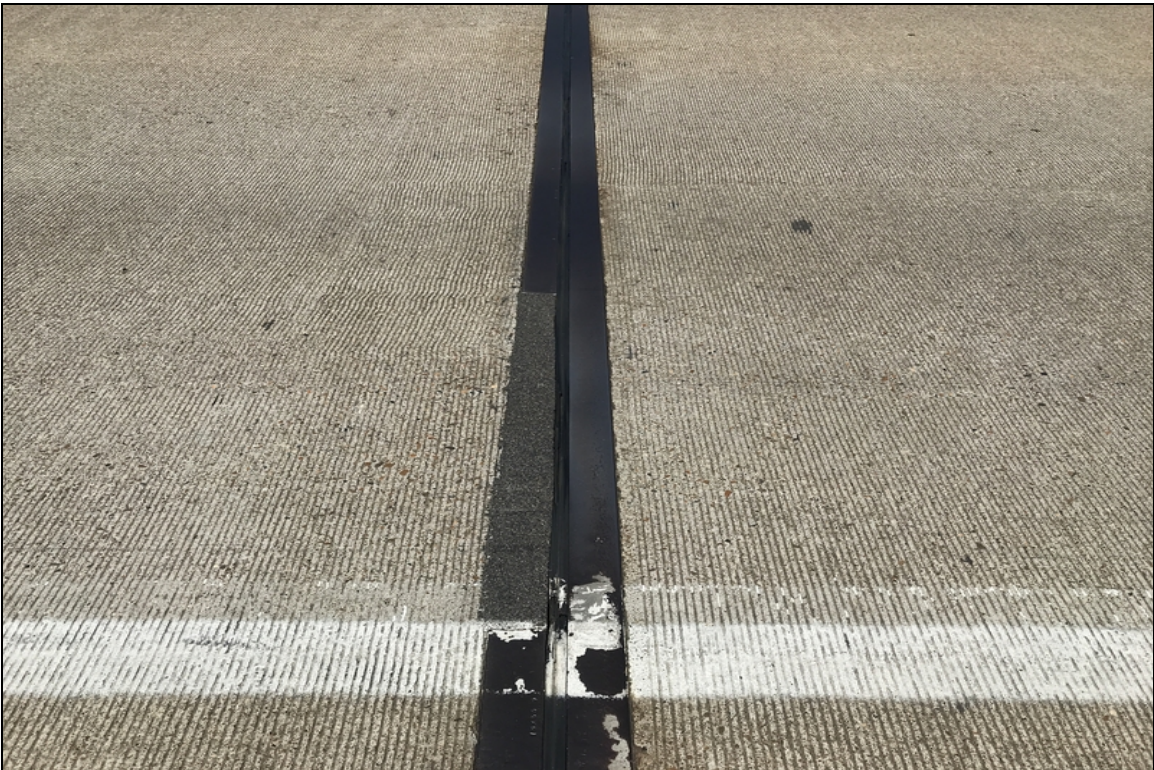
Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton, **Inspection Date:** June 15, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130 (321) Cracked	Cracking (RC and Other)	SF	722	0	522	200	0
331	Reinforced Concrete Bridge Railing	LF	2284	2284	0	0	0



Typical transverse cracks, span 16



Joint 17, torn



Deck overview



Span 18, beam 6, flaking rust, 20'



Span 15, bent 16, bottom flange and web flaking rust, 8'



Bent 14 exposed rebar and delam, between piles 4 & 5



Bent 10, exposed rebar and crack 5' long



Bent 9 bottom of cap, exposed rebar



Bent 7 pile 4 spall with exposed rebar. And 4 spall with exposed rebar on bottom of cap.



Bent 5, spall with exposed rebar between piles 3&4, backface.



Span 2 beam 6, flaking rust



Soffit span 2



Approach roadway



Profile 2



Bent 21 ahead, looking at the bearings.



Roadway



Bent 15, Rt. Mainlane 3' section of road iron is missing.



Span 19 @ bent 20 Rt. wheel path of Lt. Main lane has a (6" x 2') spall behind road iron.



Bent 12 back, spall with exposed rebar



Bent 5 ahead, rust staining on caps below bearings, this is typical of several of the interior bearings on all caps.



Profile



Bent 16 repair to missing sections of road iron.



Bent 5 back, Lt. side has vegetation growing up on the cap & parapet rail.a



Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton **Inspection Date:** June 15, 2020

Maintenance Needs

Date Reported: 06/18/2014
Priority: D- Routine
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Spalls on cap at bents 7,10,12 and 17

Remarks



Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton **Inspection Date:** June 15, 2020

Date Reported: 06/18/2014
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Spall in deck at bent 21

Remarks



Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton Inspection Date: June 15, 2020

Date Reported: 10/09/2018
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Span 19 @ bent 20 Rt. wheel path of Lt. Main lane has a (6" x 2') spall behind road iron.

Remarks



Span 19 @ bent 20 Rt. wheel path of Lt. Main lane has a (6" x 2') spall behind road iron.



Bent 15, Rt. Mainlane 3' section of road iron is missing.



Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton **Inspection Date:** June 15, 2020

Date Reported: 10/09/2018
Priority: C - Important
Type of Work: None
Status: Assigned
Component:

Deficiency Description

Bent 15, Rt. Mainlane 3' section of road iron is missing.

Remarks



Bent 15, Rt. Mainlane 3' section of road iron is missing.



Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton Inspection Date: June 15, 2020

Date Reported: 06/16/2020
Priority: D- Routine
Type of Work: Clean
Status: Open
Component:

Deficiency Description

Vines are growing up pile and on to beams, several bents.

Remarks



Vegetation on bent 11, typical of most bents

Date Reported: 06/16/2020
Priority: C - Important
Type of Work: Repair
Status: Open
Component:

Deficiency Description

Span 16 bent 17, riser 5 has cracked extending to anchor bolt.
Span 17 bent 17, riser 3 has cracked extending to anchor bolt.

Remarks



Span 16, bent 17, riser 5, crack in concrete, extending to anchor bolt



Bent 17, riser 3 cracked on 3 sides, extends to bolts.

Date Reported: 06/16/2020
Priority: C - Important
Type of Work: Replace
Status: Open
Component:

Deficiency Description

Bent 19 bearing 3, missing right anchor bolt
Bent 20 bearing 5, missing left bolt to top of bearing.

Remarks



Bent 19, bearing 3, right bolt broke



Bent 20, bearing 5 left side missing bearing bolt



Bridge #B3706(Routine)
I- 30 SEC 14, EB L over CADDO RIVER
Location: .74 MI SW JCT SH 7

Team Lead: Rickie Bratton **Inspection Date:** June 15, 2020

Inspection Comments

06/25/2018 -- This structure is logged from West to East.

Deck Notes

Joint material leaking and losing bond.

Superstructure Notes

Weathering steel.

Substructure Notes

Some spalls with delamination. Some exposed steel. Moderate section loss.