



Latitude:35.85260, Longitude:-90.75062

Route:91 Section:02 Log:13.69

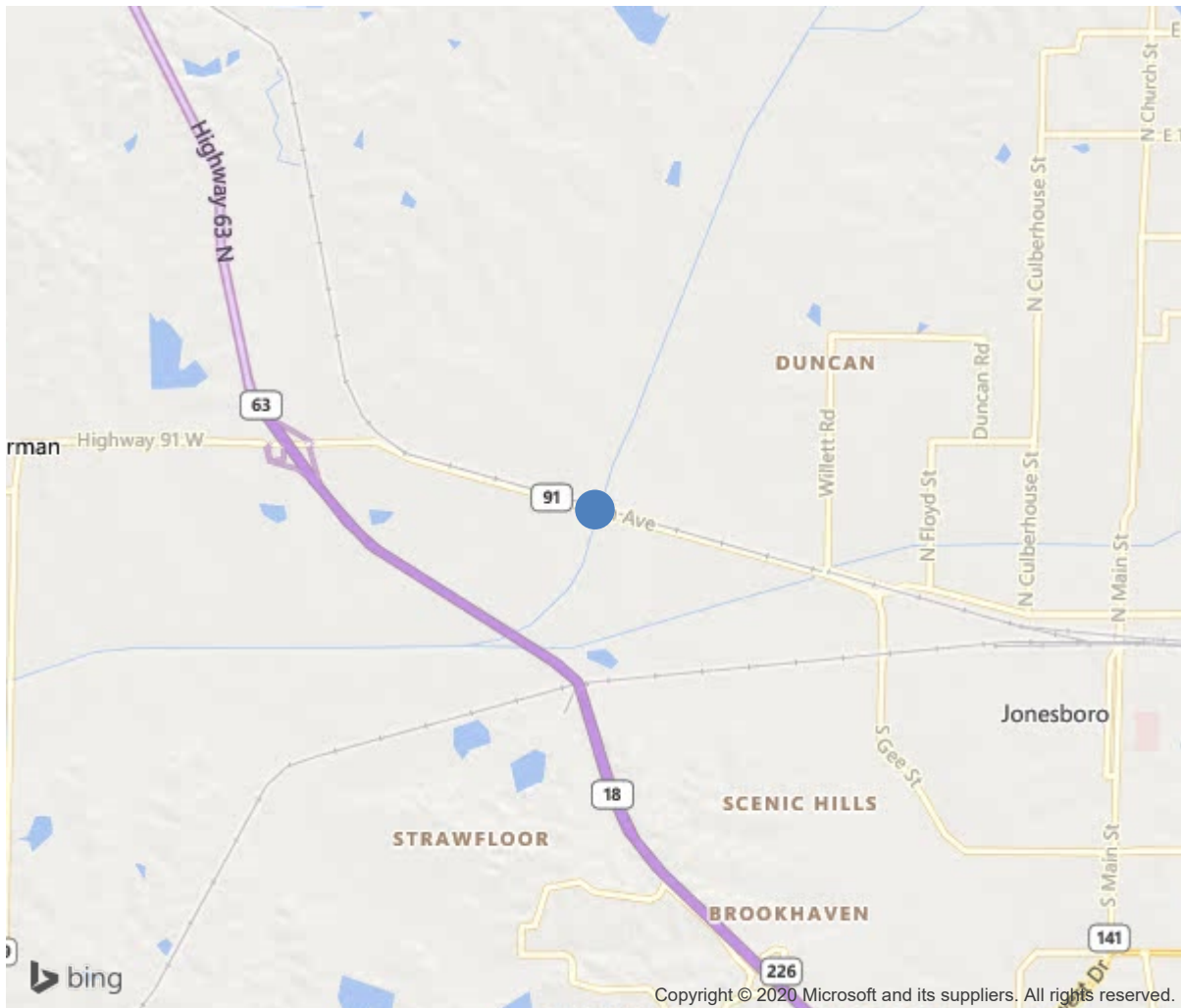
Arnold Road ID:16x91x2xA, Arnold Log mile:13.672

District 10, Craighead County

Owner: 1-State Highway Agency

Place Code: 34720 - JONESBORO

1.58 MI E JCT US 63



35.85260, -90.75062



**Bridge #06888(Routine)**  
**STATE HWY 91 over BIG CREEK**  
**Location: 1.58 MI E JCT US 63**

**Team Lead: Richard Jones Inspection Date: October 06, 2020**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06888
(5) Inventory Route	91
(2) Highway Agency District	10
(3) County Code	31-Craighead County, Arkansas
(4) Place Code	34720
(6) Features Intersected	BIG CREEK
(7) Facility Carried	STATE HWY 91
(9) Location	1.58 MI E JCT US 63
(11) Mile Point	13.69 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000009102
(16) Latitude	35.8526000041266
(17) Longitude	-90.7506199222883
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	3
(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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2004
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	10000
(30) Year of ADT	2014
(109) Truck ADT	11 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	45 ft
(49) Structure Length	123.2 ft
(50) Curb or Sidewalk Width	
Left	6 ft
Right	6 ft
(51) Bridge Roadway Width Curb to Curb	58 ft
(52) Deck Width Out to Out	73.2 ft
(32) Approach Roadway Width (W/Shoulders)	58.1 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	58 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	5-None present but re-evaluation
(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	14-Urban Other Principal Arterial
(100) Defense Highway	0-The inventory route is not a S
(101) Parallel Structure	N-No parallel structure exists.
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	0-The inventory route is not part of
(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	4-Historical significance is not dete
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(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	3
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	8
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1000
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	0-Inspected feature does not meet cur
C) Approach Guardrail	0-Inspected feature does not meet cur
D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(113) Scour Critical Bridges	5-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	0
(114) Future ADT	12212
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	
(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



Bridge #06888(Routine)

STATE HWY 91 over BIG CREEK

Location: 1.58 MI E JCT US 63

Team Lead: Richard Jones, Inspection Date: October 06, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	8107	7443	664	0	0
1120	Efflorescence/Rust Staining	SF	190	0	190	0	0
1130	Cracking (RC and Other)	SF	474	0	474	0	0
107	Steel Open Girder/Beam	LF	1210	1210	0	0	0
515	Steel Protective Coating	SF	9764	8804	960	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	960	0	960	0	0
215	Reinforced Concrete Abutment	LF	224	222	2	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
225	Steel Pile	EA	16	0	16	0	0
1000	Corrosion	EA	16	0	16	0	0
515	Steel Protective Coating	SF	603	603	0	0	0
234	Reinforced Concrete Pier Cap	LF	134	134	0	0	0
302	Compression Joint Seal	LF	146	134	12	0	0
2320	Seal Adhesion	LF	12	0	12	0	0
311	Movable Bearing	EA	20	0	20	0	0
1000	Corrosion	EA	20	0	20	0	0
313	Fixed Bearing	EA	20	0	20	0	0
1000	Corrosion	EA	20	0	20	0	0
321	Reinforced Concrete Approach Slab	SF	4234	3265	468	501	0
1130	Cracking (RC and Other)	SF	969	0	468	501	0
330	Metal Bridge Railing	LF	238	238	0	0	0
515	Steel Protective Coating	SF	264	264	0	0	0
331	Reinforced Concrete Bridge Railing	LF	242	242	0	0	0









### Maintenance Needs

**Date Reported:** 12/02/2010  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Component:** Deck

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### Deficiency Description

Deck has a few unsealed longitudinal and transverse cracks.

### Remarks

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Deck cracks

**Date Reported:** 12/02/2010  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Component:** Approach

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**Deficiency Description**

Approach slabs have wide unsealed transverse cracks.

**Remarks**

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Bent 1 approach slab



Bent 4 approach slab





**Bridge #06888**(Routine)  
**STATE HWY 91 over BIG CREEK**  
**Location: 1.58 MI E JCT US 63**

**Team Lead:** Richard Jones **Inspection Date:** October 06, 2020

**Date Reported:** 11/14/2014  
**Priority:** D- Routine  
**Type of Work:** None  
**Status:** Monitor  
**Component:** Channel

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**Deficiency Description**

Channel has trees & brush growing along banks.

**Remarks**

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STATE HWY 91 over BIG CREEK  
Location: 1.58 MI E JCT US 63

Team Lead: Richard Jones Inspection Date: October 06, 2020

Date Reported: 11/14/2014  
Priority: D- Routine  
Type of Work: None  
Status: Monitor  
Component: Approach

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#### Deficiency Description

No log mile posting on either end of bridge.

#### Remarks

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**Date Reported:** 10/14/2020  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Repair  
**Status:** Open  
**Component:** Approach

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**Deficiency Description**

Approach roadway asphalt has settlement at end of approach slab at bent 1.

**Remarks**

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Bent 1 approach



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Team Lead: Richard Jones Inspection Date: October 06, 2020

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#### Deck Notes

Approach roadway asphalt has settlement at end of approach slab at bent 1.  
Approach slabs have wide unsealed transverse cracks.  
Deck has a few unsealed longitudinal and transverse cracks.  
Concrete/metal rails are in overall good condition.  
Compression seals have some loss of adhesion.  
Overhangs have a few transverse cracks with light efflorescence.

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#### Superstructure Notes

Weathering steel girders have areas of granular texture.  
Bearings have some flaking rust.

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#### Substructure Notes

Backwalls at abutments have a few vertical cracks with efflorescence.  
Concrete caps are in overall good condition.  
Steel shell piling have areas of minor freckled rust. Encasement forms have rust with minor section loss at ground line.  
Channel has trees & brush growing along banks.