



Latitude:35.84825, Longitude:-90.73146

Route:91 Section:02 Log:14.8

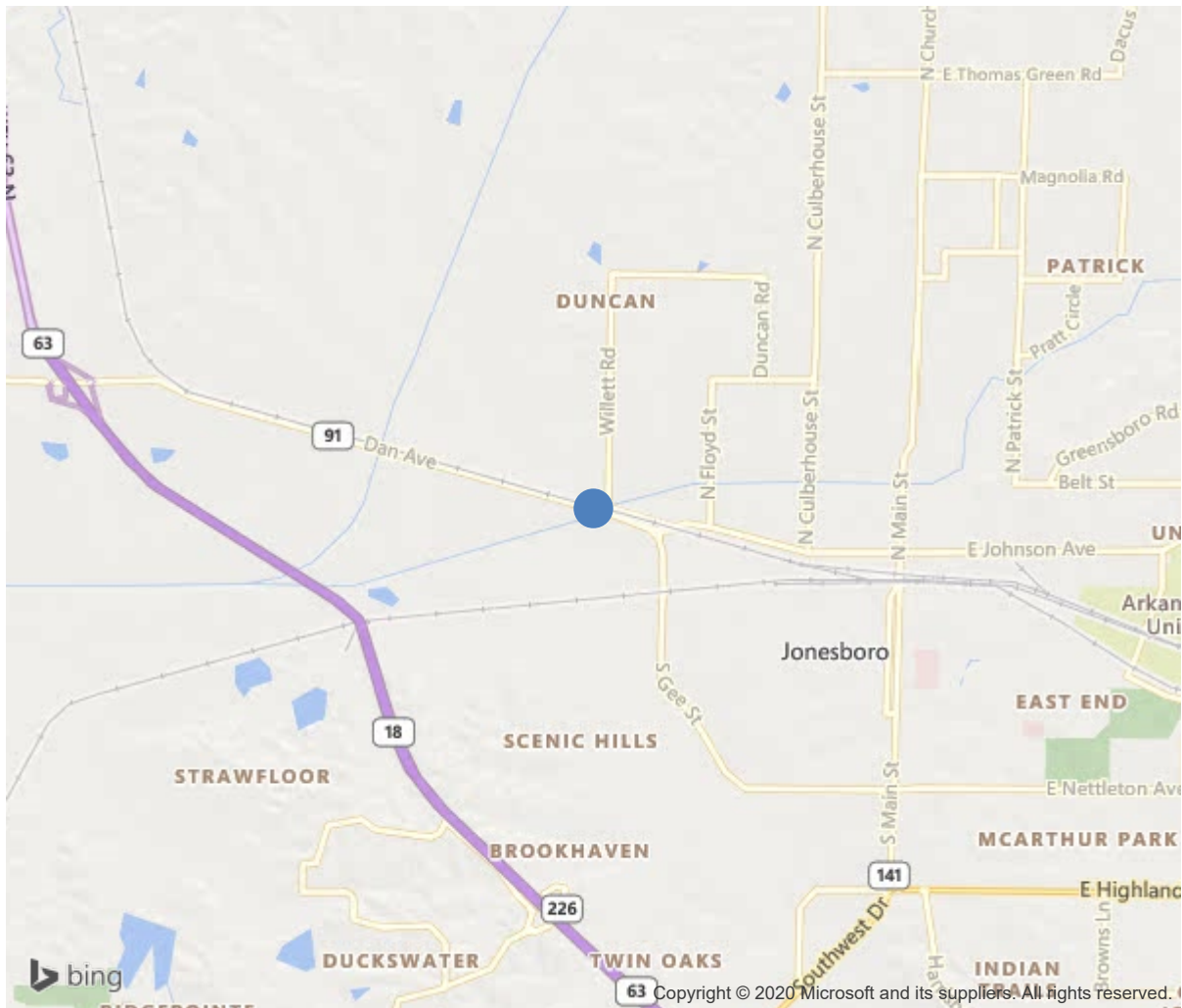
Arnold Road ID:16x91x2xA, Arnold Log mile:14.789

District 10, Craighead County

Owner: 1-State Highway Agency

Place Code: 34720 - JONESBORO

2.69 MI SE JCT US 63



35.84825, -90.73146



Bridge #06889(Routine)

SH 91 over LOST CREEK

Location: 2.69 MI SE JCT US 63

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06889
(5) Inventory Route	91
(2) Highway Agency District	10
(3) County Code	31-Craighead County, Arkansas
(4) Place Code	34720
(6) Features Intersected	LOST CREEK
(7) Facility Carried	SH 91
(9) Location	2.69 MI SE JCT US 63
(11) Mile Point	14.8 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000009102
(16) Latitude	35.8482518181616
(17) Longitude	-90.7314599517186
(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	42 ft
(49) Structure Length	121.7 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	35 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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	6
(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



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Location: 2.69 MI SE 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	7973	7500	473	0	0
1130	Cracking (RC and Other)	SF	473	0	473	0	0
107	Steel Open Girder/Beam	LF	1190	1190	0	0	0
515	Steel Protective Coating	SF	9503	8078	1425	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	1425	0	1425	0	0
215	Reinforced Concrete Abutment	LF	255	253	2	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
225	Steel Pile	EA	16	16	0	0	0
515	Steel Protective Coating	SF	603	603	0	0	0
234	Reinforced Concrete Pier Cap	LF	164	164	0	0	0
302	Compression Joint Seal	LF	179	0	179	0	0
2320	Seal Adhesion	LF	179	0	179	0	0
311	Movable Bearing	EA	20	0	0	20	0
1000	Corrosion	EA	20	0	0	20	0
313	Fixed Bearing	EA	20	20	0	0	0
321	Reinforced Concrete Approach Slab	SF	4234	2957	110	1167	0
1130	Cracking (RC and Other)	SF	1277	0	110	1167	0
330	Metal Bridge Railing	LF	234	234	0	0	0
515	Steel Protective Coating	SF	260	260	0	0	0
331	Reinforced Concrete Bridge Railing	LF	238	238	0	0	0





Bent 1 Rt

Maintenance Needs

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

Deficiency Description

Deck has a few unsealed longitudinal and transverse cracks.

Remarks



Deck cracks

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

Deficiency Description

Concrete approach slabs have several unsealed cracks.

Remarks



Bent 1 approach slab



Bent 4 approach slab



Bridge #06889(Routine)

SH 91 over LOST CREEK

Location: 2.69 MI SE JCT US 63

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

Date Reported: 12/04/2012

Priority: G - General/ Preventive maintenance

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Log Mile Posting Signs
are missing on both bridge ends.

Remarks



Bridge #06889(Routine)

SH 91 over LOST CREEK

Location: 2.69 MI SE JCT US 63

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

Date Reported: 12/04/2012

Priority: D- Routine

Type of Work: Clean

Status: Monitor

Component: Channel

Deficiency Description

Channel has small trees and brush growing on slopes along sides of bridge.

Remarks



Bridge #06889(Routine)

SH 91 over LOST CREEK

Location: 2.69 MI SE JCT US 63

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

Date Reported: 12/04/2012

Priority: G - General/ Preventive maintenance

Type of Work: None

Status: Monitor

Component: Substructure

Deficiency Description

Dirt is built up on bent 1 & 4 abutments.

Remarks

Date Reported: 10/15/2020
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Open
Component: 302 - Compression Joint Seal

Deficiency Description

Joint seals are beginning to lose adhesion.

Remarks



Bent 1 joint



Bridge #06889(Routine)

SH 91 over LOST CREEK

Location: 2.69 MI SE JCT US 63

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

Deck Notes

Concrete approach slabs have several unsealed cracks.
Metal/concrete rails are in overall good condition.
Joint seals are beginning to lose adhesion.
Deck has a few unsealed longitudinal and transverse cracks.
Overhangs have a few transverse cracks with light efflorescence.
Sidewalks have up to 6" of debris build up.

Superstructure Notes

Expansion bearings at bents 1 and 4 have pack rust and some section loss.
Girders have areas of granular texture.

Substructure Notes

Concrete abutments and caps are in overall good condition.
Steel shell piling have areas of light freckled rust.
Pile encasement forms have rust and minor section loss near ground line.
Dirt is built up on bent 1 & 4 abutments.
Trees and brush under bridge and on channel banks.