



Latitude:34.72104, Longitude:-93.05658

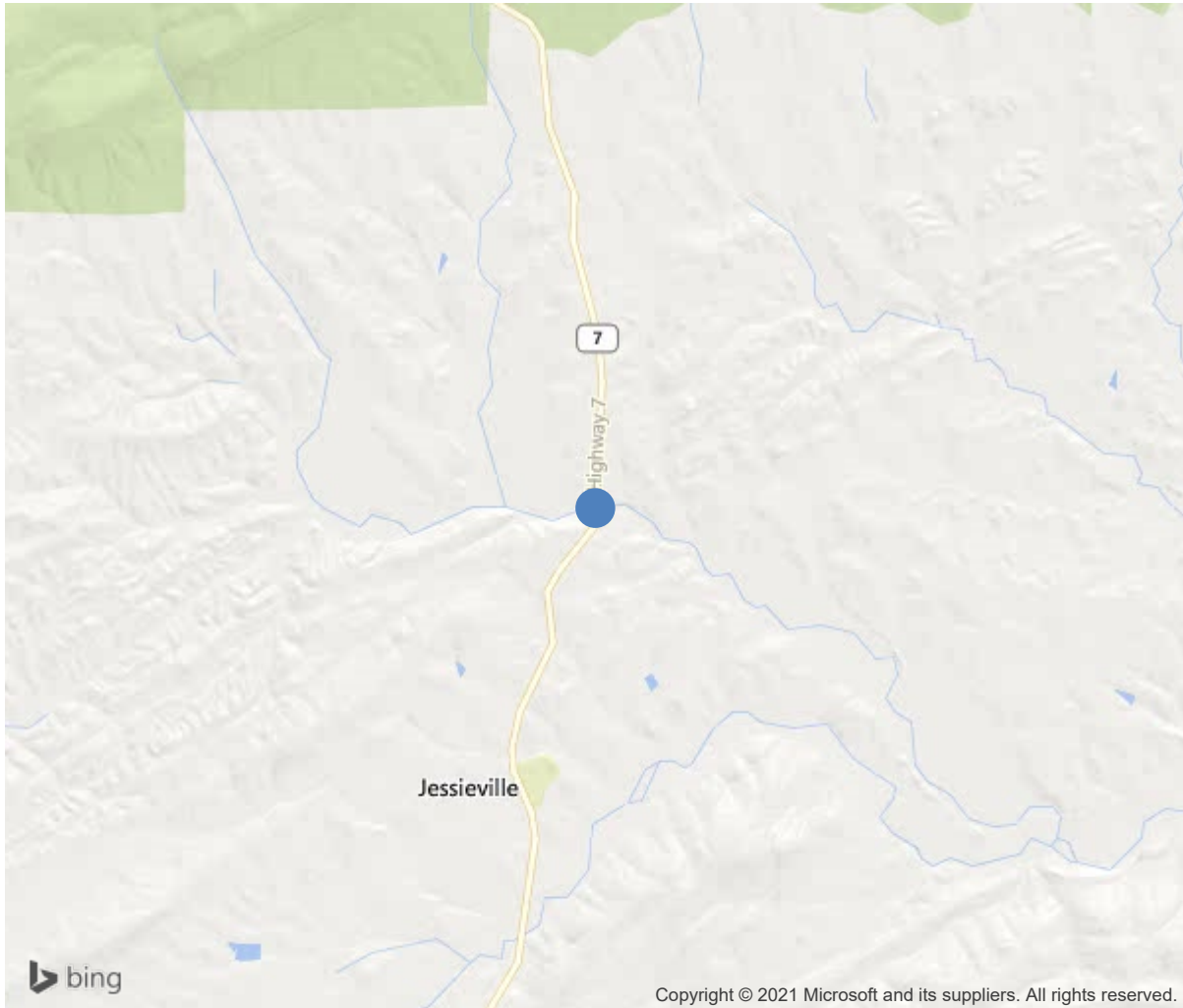
Route:7 Section:10 Log:13.27

Arnold Road ID:26x7x10xA, Arnold Log mile:13.27

District 06, Garland County

Owner: 1-State Highway Agency

4.22 MI SE OF PERRY CO



34.72104, -93.05658



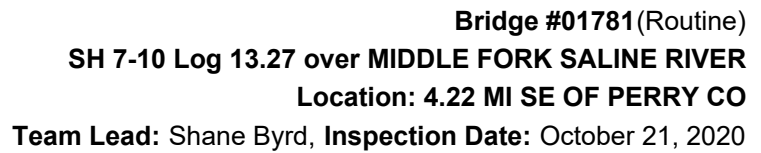
Bridge #01781(Routine)
SH 7-10 Log 13.27 over MIDDLE FORK SALINE RIVER

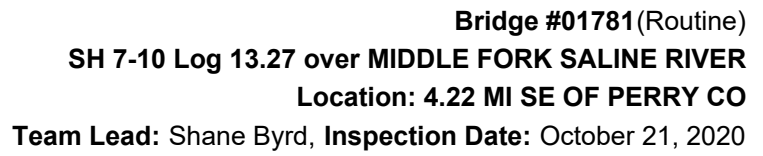
Location: 4.22 MI SE OF PERRY CO

Team Lead: Shane Byrd Inspection Date: October 21, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01781
(5) Inventory Route	7
(2) Highway Agency District	06
(3) County Code	51-Garland County, Arkansas
(4) Place Code	0
(6) Features Intersected	MIDDLE FORK SALINE RIVER
(7) Facility Carried	SH 7-10 Log 13.27
(9) Location	4.22 MI SE OF PERRY CO
(11) Mile Point	13.27 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000007100
(16) Latitude	34.72104
(17) Longitude	-93.05658
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	111
Material	1-Concrete
Type	11-Arch - Deck
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1933
(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	1851
(30) Year of ADT	2018
(109) Truck ADT	10 %
(19) Bypass, Detour Length	22 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	70 ft
(49) Structure Length	145 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	20 ft
(52) Deck Width Out to Out	23.3 ft
(32) Approach Roadway Width (W/Shoulders)	24 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	22 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	2-Rural Principal Arterial - Oth
(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	1-Bridge is on the National Register
CONDITION	
(58) Deck	6
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	0
(64) Operating Rating	
Type	0-Field evaluation and documented engineering j
Rating	31
(65) Inventory Rating Method	0-Field evaluation and documente
(66) Inventory Rating	
Type	2
Rating	19
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	4
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	0000
A) Bridge Railings	0-Inspected feature does not meet cur
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	8-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	Replacement of bridge or other
(76) Length of Structure Improvement	174 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 235
(96) Total Project Cost	\$ 650
(97) Year of Improvement Cost Estimate	2004
(114) Future ADT	1262
(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	Yes 0
B: Underwater Inspection	No 0
C: Other Special Inspection	No 0







Approach Northbound.



Span 1 right side soffit overhang has cracks with efflorescence.



Span 1 right side soffit overhang has cracks with efflorescence.



Span 2 left side soffit overhang has cracks with efflorescence.



Span 2 left side soffit overhang has cracks with efflorescence.



Span 2 bottom of left arch rib has spall with exposed rebar.



Span 2 bottom of left arch rib has spall with exposed rebar.



Span 2 right arch rib has spall with exposed rebar near mid span.



Deck overview.

Maintenance Needs

Date Reported: 10/04/2010
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Component: Superstructure

Deficiency Description

Arches, both spans.
Cracks with rust staining on both arches and both spans, just below deck joints.

Remarks



Span 2 left arch spall with exposed rebar

Date Reported: 09/29/2011
Priority: B - Pressing; 6 month completion goal
Type of Work: Repair
Status: Assigned
Component: Superstructure

Deficiency Description

Bent 1 And 2 have spalls with exposed rebar. Added - 10/2/2018 - Spalls with exposed reinforcing steel in the spandrel column at bent 2 both sides and spall at the top of spandrel column at bent 2 right side under bearing. Span 2 arch rib 1 spandrel column 3 spall with reinforcing steel exposed. Changed priority from C to B.

Remarks



Bent 2 spandrel column left side, spall with exposed reinforcing steel with section loss.



Exposed rebar



Bent 2 right spandrel column spall with exposed reinforcing steel and section loss.



Bent 1 left column exposed reinforcing steel with section loss.



Span 2 spandrel column 2 on rib 1, spall with exposed reinforcing steel.



Bent 2 exposed rebar.



Bent 2 spandrel column left side, spall with exposed reinforcing steel with section loss.



Bent 2 right side spall at bearing area with exposed reinforcing steel.



Bent 1 left arch spandrel column 1 has spall with exposed rebar.



Span 1 right side at bent 2 spandrel column has spall with exposed rebar.



Span 1 Spandrel column left side at bent 2 has
spalls with exposed rebar.



Bridge #01781(Routine)

SH 7-10 Log 13.27 over MIDDLE FORK SALINE RIVER

Location: 4.22 MI SE OF PERRY CO

Team Lead: Shane Byrd **Inspection Date:** October 21, 2020

Inspection Comments

job 1146 dwg 3432 approach going north