



Latitude:36.29383, Longitude:-90.88901

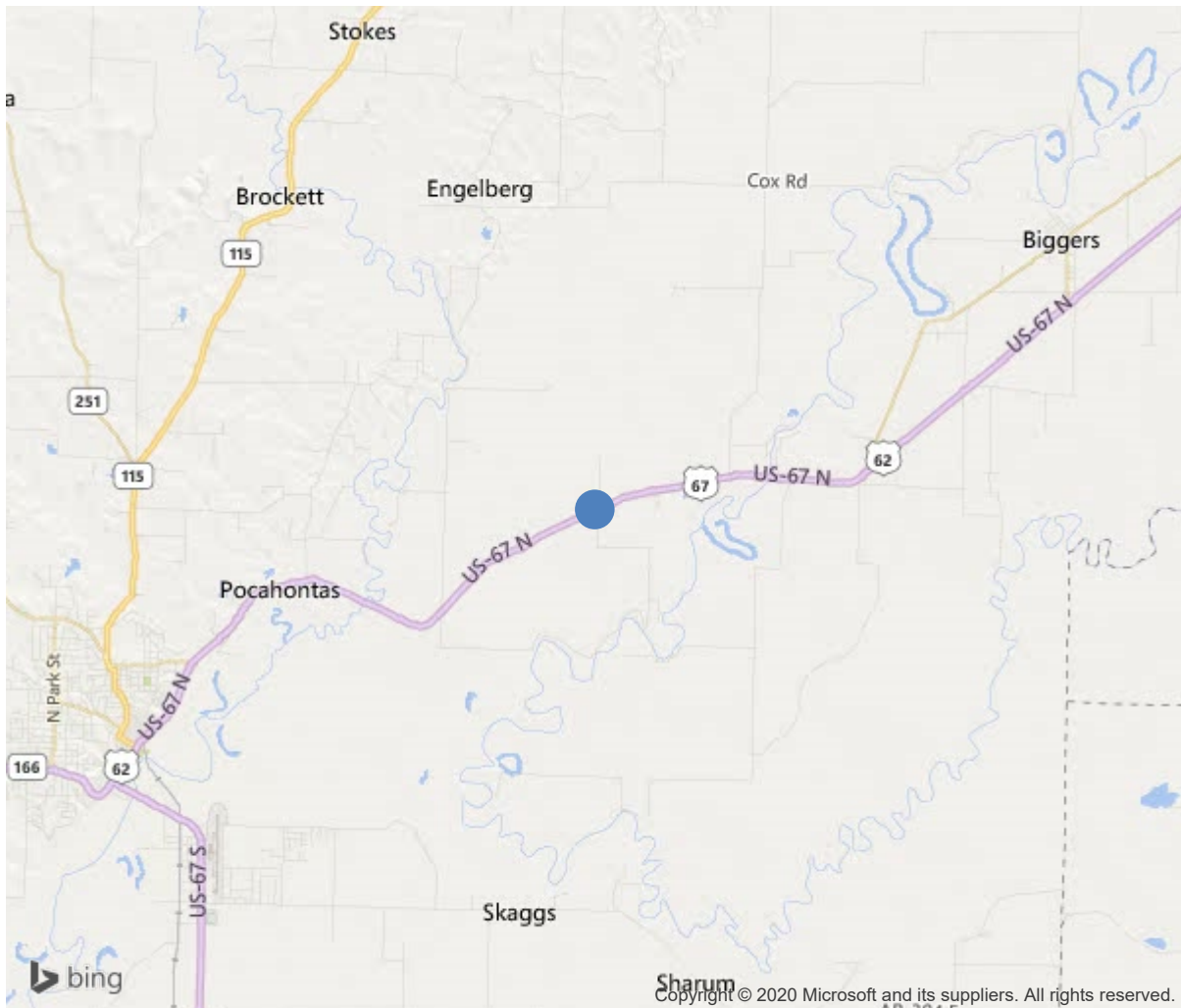
Route:67 Section:19 Log:6.14

Arnold Road ID:61x67x19xA, Arnold Log mile:6.121

District 10, Randolph County

Owner: 1-State Highway Agency

6.08 MI NE JCT US 62 & 67



36.29383, -90.88901



Bridge #00499(Routine)
US 67-19- LM 6.14 over Pheffer Bottom
Location: 6.08 MI NE JCT US 62 & 67

Team Lead: Tim Myrick Inspection Date: May 14, 2018

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	00499
(5) Inventory Route	67
(2) Highway Agency District	10
(3) County Code	121-Randolph County, Arkansas
(4) Place Code	0
(6) Features Intersected	Pheffer Bottom
(7) Facility Carried	US 67-19- LM 6.14
(9) Location	6.08 MI NE JCT US 62 & 67
(11) Mile Point	6.14 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000067190
(16) Latitude	36.29383
(17) Longitude	-90.88901
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1-Concrete
Type	4-Tee beam
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	4
(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	1928
(106) Year Reconstructed	1955
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	6600
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	10 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	122 ft
(50) Curb or Sidewalk Width	
Left	1.2 ft
Right	1.2 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	31.7 ft
(32) Approach Roadway Width (W/Shoulders)	44 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	27.9 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	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	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			7
(59) Superstructure			6
(60) Substructure			6
(61) Channel & Channel Protection			7
(62) Culverts			N
LOAD RATING AND POSTING			
(31) Design Load	4-M 18 / H 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	4		
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			6
(68) Deck Geometry			4
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			9
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			0011
A) Bridge Railings	0-Inspected feature does not meet cur		
B) Transitions	0-Inspected feature does not meet cur		
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			
(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	5436		
(115) Year of Future ADT	2028		
INSPECTIONS			
(90) Inspection Date			201805
(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	77.6
STATUS (SD/FO/None)	Not Deficient



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Team Lead: Ronnie Richardson, **Inspection Date:** May 14, 2018

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3867	3862	5	0	0
1080	Delamination/Spall/Patched Area	SF	5	0	5	0	0
510	Wearing Surfaces	SF	3416	3182	0	234	0
3220	Crack (Wearing Surface)	SF	234	0	0	234	0
110	Reinforced Concrete Open Girder/Beam	LF	726	688	38	0	0
1130	Cracking (RC and Other)	LF	38	0	38	0	0
215	Reinforced Concrete Abutment	LF	76	75	0	1	0
1090	Exposed Rebar	LF	1	0	0	1	0
227	Reinforced Concrete Pile	EA	18	0	18	0	0
1190	Abrasion/Wear (PSC/RC)	EA	18	0	18	0	0
234	Reinforced Concrete Pier Cap	LF	83	70	11	2	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
1130	Cracking (RC and Other)	LF	4	0	2	2	0
330	Metal Bridge Railing	LF	244	0	244	0	0
1000	Corrosion	LF	244	0	244	0	0



Underneath deck view



Roadway view



Deck view



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Team Lead: Tim Myrick **Inspection Date:** May 14, 2018

Maintenance Needs



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Team Lead: Tim Myrick Inspection Date: May 14, 2018

Inspection Comments

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Deck Notes

Routine inspection 2018 Concrete deck with asphalt overlay has open cracks in asphalt overlay mainly over bents and down centerline. Concrete soffit has insignificant size and density cracks with a few areas of spalls with exposed rebar. Metal railing Lt. side 100% paint deterioration. Note edited element #510, added condition for cracking. JFA 08/15/2017.

Superstructure Notes

Concrete girders 1 & 6 (outside girders) have cracks on ends over bents 2,3 & 4 caps. A few interior girders have cracks on ends over bents 2,3 & 4 caps. Concrete diaphragms over caps at bents 2,3 & 4 have cracking with some efflorescence.

Substructure Notes

Concrete caps have a few moderate width cracks and spalls with efflorescence stains at cap extensions. Bent 2 cap span 1 side has a 1 ft. spall with exposed rebar over pile 3. Bent 3 cap, span 2 side has 6 in. x 6 in. spall with exposed rebar over pile 3, 1.0 ft. spall with exposed rebar on bottom of cap at pile 5. Bent 4 cap, span 3 side has 6 in. x 6 in. spall with exposed rebar over pile 5. Bent 4 cap, span 4 side has a 1 ft. spall under girder 4, no exposed rebar, 1.0 ft. of efflorescence stains at right cap extension. Bent 1 abutment has a 1 ft. area of spalls with exposed rebar. Minor scour at Bt. 5, 10 ft. wide under girders 3 & 4 at old scour repair, no threat to cap abutment, see 2014 photo.