



Latitude:36.28365, Longitude:-90.94193

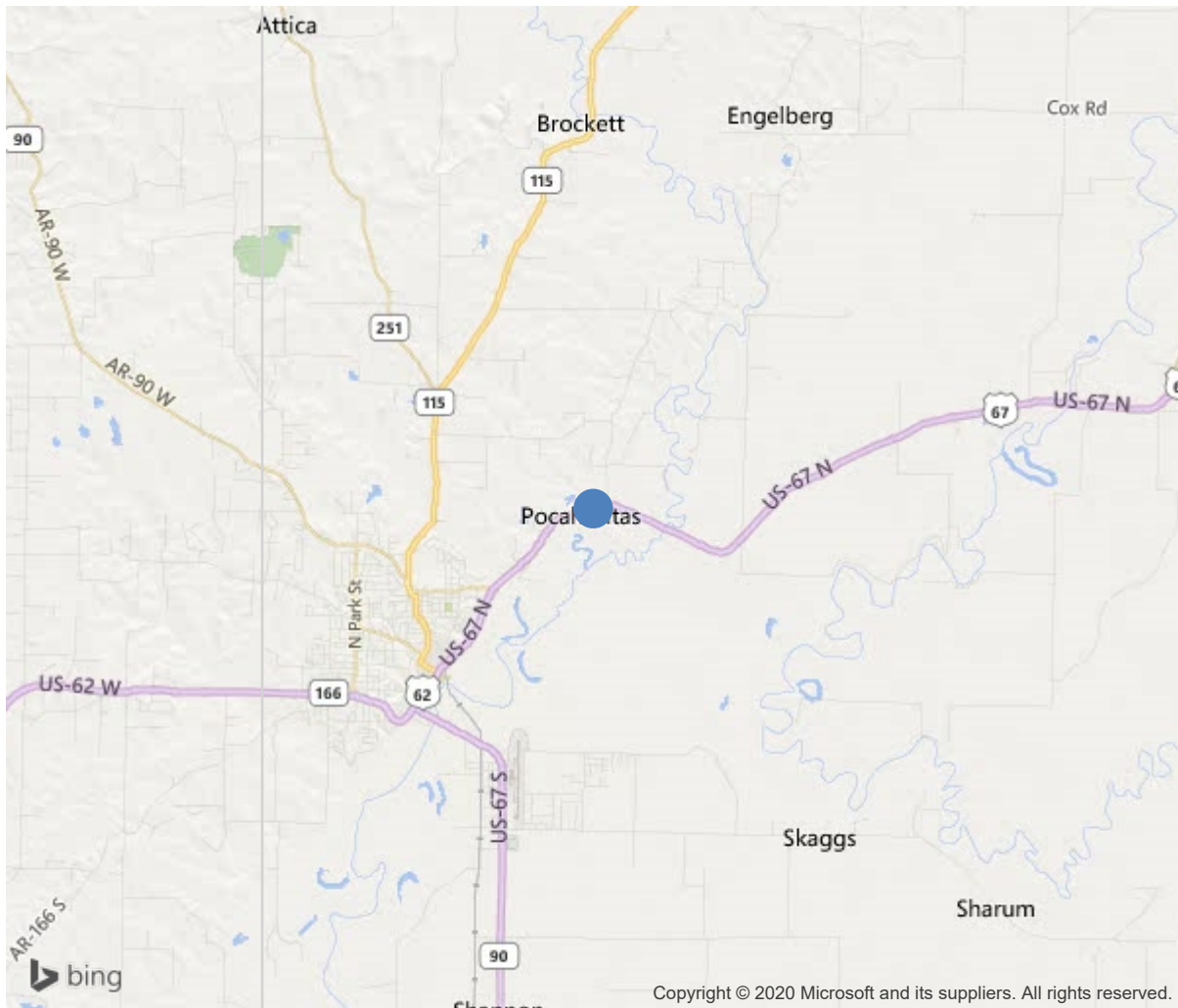
Route:67 Section:19 Log:2.7

Arnold Road ID:61x67x19xA, Arnold Log mile:2.694

District 10, Randolph County

Owner: 1-State Highway Agency

2.64 MI NE JCT US 62 & 67



36.28365, -90.94193



Bridge #00505(Routine)

US 67-19- LM 2.70 over CR PETTET

Location: 2.64 MI NE JCT US 62 & 67

Team Lead: Tim Myrick Inspection Date: May 11, 2017

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	00505
(5) Inventory Route	67
(2) Highway Agency District	10
(3) County Code	121-Randolph County, Arkansas
(4) Place Code	0
(6) Features Intersected	CR PETTET
(7) Facility Carried	US 67-19- LM 2.70
(9) Location	2.64 MI NE JCT US 62 & 67
(11) Mile Point	2.7 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000067190
(16) Latitude	36.28365
(17) Longitude	-90.94193
(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	5
(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	5819
(30) Year of ADT	2018
(109) Truck ADT	34 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	152 ft
(50) Curb or Sidewalk Width	
Left	1.2 ft
Right	1.2 ft
(51) Bridge Roadway Width Curb to Curb	28 ft
(52) Deck Width Out to Out	31.5 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	28.2 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	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			7
(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	5		
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			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	5-Bridge foundations determined to be		
PROPOSED IMPROVEMENTS			
(75) Type of Work	Replacement of bridge or other		
(76) Length of Structure Improvement	182 ft		
(94) Bridge Improvement Cost	\$ 0		
(95) Roadway Improvement Cost	\$ 400		
(96) Total Project Cost	\$ 1131		
(97) Year of Improvement Cost Estimate	2001		
(114) Future ADT	6300		
(115) Year of Future ADT	2038		
INSPECTIONS			
(90) Inspection Date			201905
(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	74.5
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	4788	4788	0	0	0
510	Wearing Surfaces	SF	4256	4076	0	180	0
3220	Crack (Wearing Surface)	SF	180	0	0	180	0
(16)							
Concrete deck with asphalt overlay, asphalt overlay has heavy transverse cracking, 1 ft. wide typical over joints.							
110	Reinforced Concrete Open Girder/Beam	LF	912	911	0	1	0
1130	Cracking (RC and Other)	LF	1	0	0	1	0
(110)							
Span 1, Girder 6 on end over Bt. 2 has open vertical / diagonal cracks and spall on end with exposed rebar.							
215	Reinforced Concrete Abutment	LF	76	76	0	0	0
227	Reinforced Concrete Pile	EA	24	24	0	0	0
234	Reinforced Concrete Pier Cap	LF	111	93	2	16	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1090	Exposed Rebar	LF	16	0	0	16	0
(234)							
Bt. 3 cap on span 3 side has Two spalls with exposed rebar under girders 1,2&4 up to 1 ½ inches loss of bearing to cap, see 2015 photo.							
2 ft. on Rt. end of Bt. 4 cap has spalls with exposed rebar.							
A few additional small spalls to Bt. 4 cap with exposed rebar.							
Bt. 5 cap has large spall to bottom of cap at pile 3 with exposed rebar, some rebar has up to 100% section loss, with a few additional small spalls with exposed rebar, see 2015 photo.							
330	Metal Bridge Railing	LF	304	0	304	0	0
1000	Corrosion	LF	304	0	304	0	0







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## **Maintenance Needs**



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**Team Lead: Tim Myrick Inspection Date: May 11, 2017**

## **Inspection Comments**

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### **Deck Notes**

Concrete deck with asphalt overlay, asphalt overlay has heavy transverse cracking, 1 ft. wide typical over joints.

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### **Superstructure Notes**

Span 1, Girder 6 on end over Bt. 2 has open vertical / diagonal cracks and spall on end with exposed rebar. Span 1 over Bt. 2 Concrete diaphragm has heavy cracking, delamination with impending spall at old concrete patches. Span 3 concrete diaphragm over Bt. 4 at bay 3 & 4 have heavy cracking, delamination with impending spall.

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### **Substructure Notes**

Bt. 3 cap on span 3 side has Two spalls with exposed rebar under girders 1,2&4 up to 1 ½ inches loss of bearing to cap, see 2015 photo. 2 ft. on Rt. end of Bt. 4 cap has spalls with exposed rebar. A few additional small spalls to Bt. 4 cap with exposed rebar. Bt. 5 cap has large spall to bottom of cap at pile 3 with exposed rebar, some rebar has up to 100% section loss, with a few additional small spalls with exposed rebar, see 2015 photo.