



Latitude:36.28954, Longitude:-90.90025

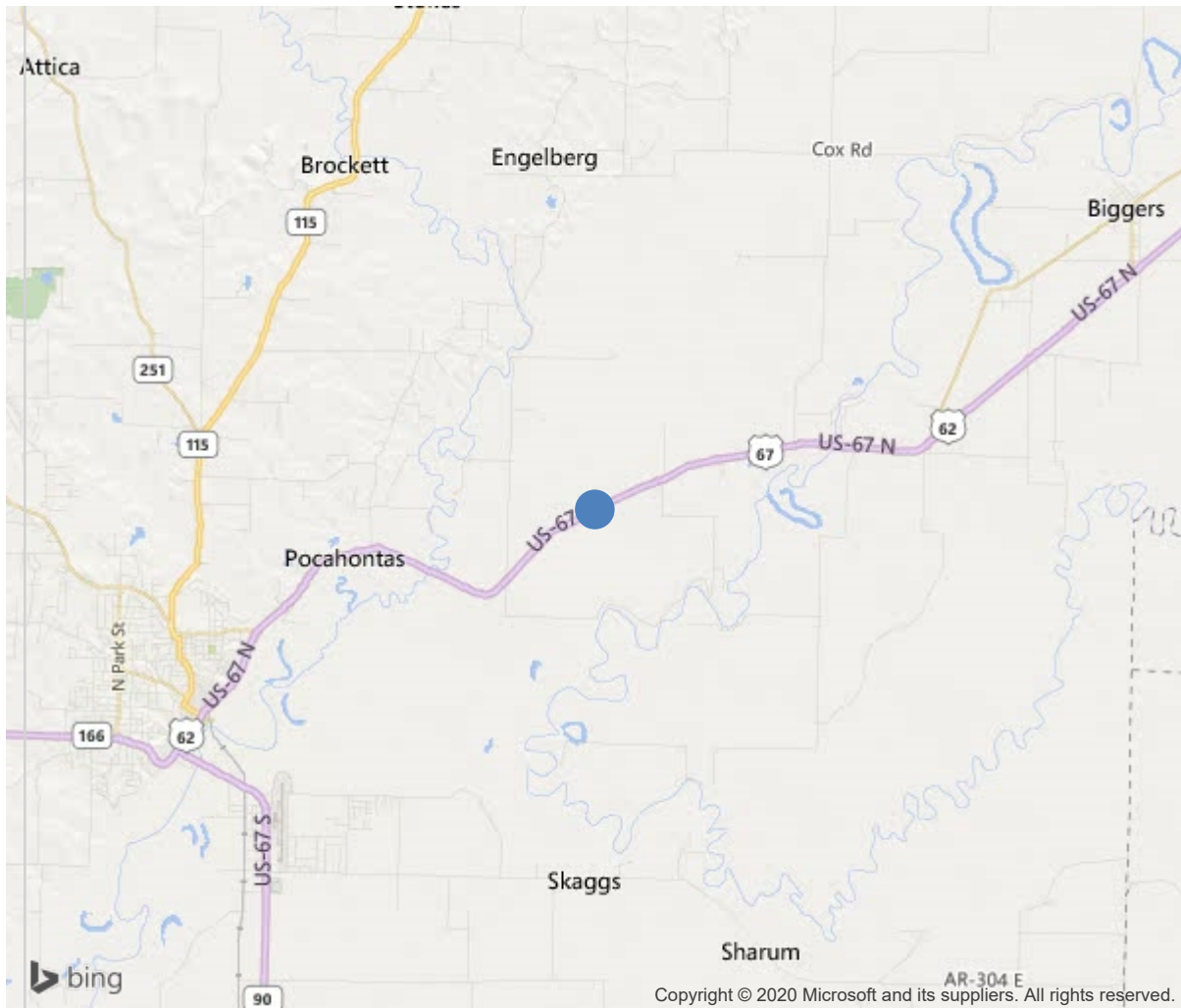
Route:67 Section:19 Log:5.44

Arnold Road ID:61x67x19xA, Arnold Log mile:5.425

District 10, Randolph County

Owner: 1-State Highway Agency

5.38 MI NE JCT US & 67



36.28954, -90.90025



Bridge #00730(Routine)

US 67-19- LM 5.44 over CURRENT RELIEF

Location: 5.38 MI NE JCT US & 67

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	00730
(5) Inventory Route	67
(2) Highway Agency District	10
(3) County Code	121-Randolph County, Arkansas
(4) Place Code	0
(6) Features Intersected	CURRENT RELIEF
(7) Facility Carried	US 67-19- LM 5.44
(9) Location	5.38 MI NE JCT US & 67
(11) Mile Point	5.44 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000067190
(16) Latitude	36.28954
(17) Longitude	-90.90025
(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	19
On	1-Highway
Under	9-Relief for 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	30 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	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	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	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	57
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	5
Rating	34
(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	
(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	
(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	74.9
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	4818	4808	10	0	0
1120	Efflorescence/Rust Staining	SF	10	0	10	0	0
510	Wearing Surfaces	SF	4256	3936	320	0	0
3220	Crack (Wearing Surface)	SF	320	0	320	0	0
110	Reinforced Concrete Open Girder/Beam	LF	900	851	49	0	0
1130	Cracking (RC and Other)	LF	49	0	49	0	0
215	Reinforced Concrete Abutment	LF	76	73	0	3	0
1090	Exposed Rebar	LF	3	0	0	3	0
227	Reinforced Concrete Pile	EA	24	0	24	0	0
1190	Abrasion/Wear (PSC/RC)	EA	24	0	24	0	0
234	Reinforced Concrete Pier Cap	LF	111	86	19	6	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1090	Exposed Rebar	LF	6	0	0	6	0
1120	Efflorescence/Rust Staining	LF	8	0	8	0	0
1130	Cracking (RC and Other)	LF	9	0	9	0	0
330	Metal Bridge Railing	LF	304	0	304	0	0
1000	Corrosion	LF	304	0	304	0	0



Deck view



Roadway view



Underneath deck view



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Location: 5.38 MI NE JCT US & 67

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Maintenance Needs



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Location: 5.38 MI NE JCT US & 67

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

Inspection Comments

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Deck Notes

Routine inspection 2018 Metal bridge rail has 50% paint deterioration. Asphalt overlay has open unsealed cracks at joints at all bents and along centerline of bridge. Concrete deck has a few minor cracks with efflorescence on underside, especially span 2.

Superstructure Notes

Several concrete girders have diagonal cracks on ends over caps, especially girders 1 & 6 .(see 2016 photo span 1 girder 6 over bent 2). Span 1 girder 5 & 6 over bent 2 has an open diagonal crack and spall at ends of girders. Concrete diaphragms have several moderate width cracks. Bent 2 diaphragms are cracked and spalled with exposed rebar.

Substructure Notes

Concrete caps have moderate width horizontal cracks with areas of exposed rebar. Caps have cracks with efflorescence at connection of cap extensions. Bent 3 cap has a 1.5 ft. x 2.0 ft. x 1 ½ in. spall with exposed rebar on bottom of cap near pile 3. (See 2016 photo). Bent 5 right end of cap has 2 ft. area delaminated & spalled with exposed rebar, near bearing appears to be old patch area, no change since last inspection. (See 2016 photo). Bent 6 abutment has horizontal cracks with a spalled area near girder 3.(see 2016 photo). Concrete piles have moderate deterioration. Concrete caps have several small shell out areas under conc. T-Beam.