



Latitude:34.11313, Longitude:-93.05622

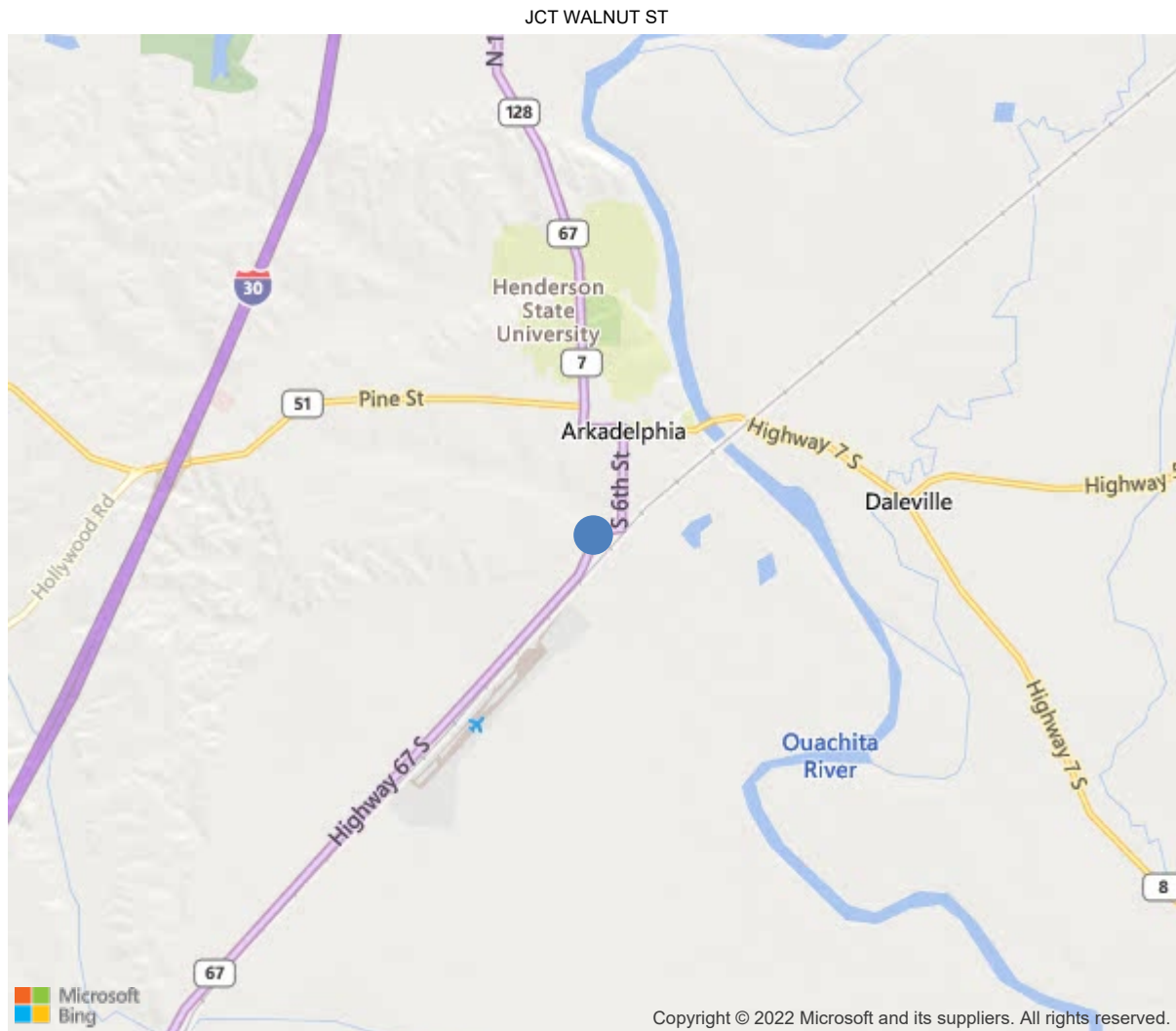
Route:67 Section:05 Log:14.837

Arnold Road ID:10x67x5xA, Arnold Log mile:14.832

District 07, Clark County

Owner: 1-State Highway Agency

Place Code: 01870 - Arkadelphia



34.11313, -93.05622

Inspection Direction :



Bridge #01616(Routine)
US 67 S-5 LM 14.83 over MADDOX CREEK

Location: JCT WALNUT ST

Team Lead: Rickie Bratton Inspection Date: November 04, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01616
(5) Inventory Route	67
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	1870
(6) Features Intersected	MADDOX CREEK
(7) Facility Carried	US 67 S-5 LM 14.83
(9) Location	JCT WALNUT ST
(11) Mile Point	14.837 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.11313
(17) Longitude	-93.05622
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
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	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1931
(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	3500
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	59 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.2 ft
(52) Deck Width Out to Out	30.2 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	45 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	30.2 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	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	0
(26) Functional Class	16-Urban Minor 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	5
(60) Substructure	6
(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	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	36
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	21
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) 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	4223
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			11/2019
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



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Location: JCT WALNUT ST

Team Lead: Rickie Bratton, Inspection Date: November 04, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	1782	1782	0	0	0
510	Wearing Surfaces	SF	1723	1723	0	0	0
(12)							
AC OL							
107	Steel Open Girder/Beam	LF	1534	1516	0	18	0
1000	Corrosion	LF	18	0	0	18	0
515	Steel Protective Coating	SF	3822	3822	0	0	0
(107)							
	Paint system has failed, outside girders have heavy pack rust, section loss with holes. See photos.						
206	Timber Column	EA	24	24	0	0	0
(206)							
	pile 6 bent 1 cracked, pile 3 bent 2 rotten at ground line, pile 5 bent 3 crushing, pile 1 bent 4 cracked. JPR 11-15-2017 All piles been repaired						
216	Timber Abutment	LF	60	50	0	10	0
1140	Decay/Section Loss	LF	10	0	0	10	0
(216)							
	Abutment 1 back wall rotten behind pile 2. 10'						
235	Timber Pier Cap	LF	121	121	0	0	0
(235)							
	Ends exposed to weather are rotten, 15'. JPR 11-15-2017 Caps been repaired						
330	Metal Bridge Railing	LF	118	118	0	0	0



Deck overview.



Girders with corrosion, span 2, girders 2-4.



Approach roadway.



Soffit span 2.



Abutment 1 back-wall repaired.



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Inspection Comments

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