



Latitude:34.11822, Longitude:-93.09356

Route:51 Section:01 Log:29.76

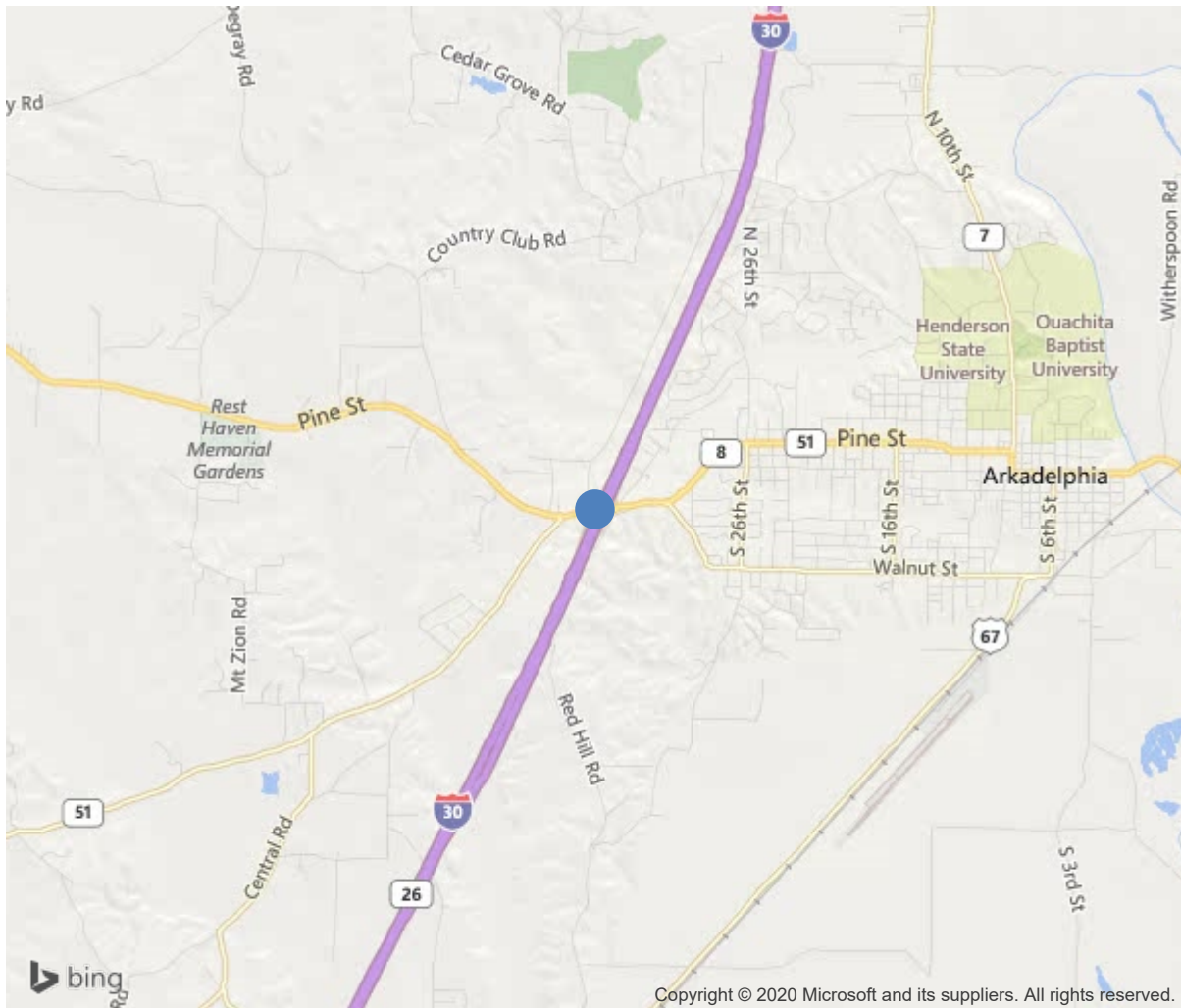
Arnold Road ID:10x51x1xA, Arnold Log mile:29.064

District 07, Clark County

Owner: 1-State Highway Agency

Place Code: 01720 - ARKADELPHIA

2.25 Mi. W Jct US 67



34.11822, -93.09356



Bridge #06962(Routine)

SH51Sec1KingOP over I 30 Sec. 14 log 72.86

Location: 2.25 Mi. W Jct US 67

Team Lead: Rickie Bratton Inspection Date: June 17, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06962
(5) Inventory Route	51
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	1720
(6) Features Intersected	I 30 Sec. 14 log 72.86
(7) Facility Carried	SH51Sec1KingOP
(9) Location	2.25 Mi. W Jct US 67
(11) Mile Point	29.76 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000051010
(16) Latitude	34.11822
(17) Longitude	-93.09356
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	2004
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	5
Under	4
(29) Average Daily Traffic	10264
(30) Year of ADT	2018
(109) Truck ADT	3 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	104 ft
(49) Structure Length	309 ft
(50) Curb or Sidewalk Width	
Left	6 ft
Right	6 ft
(51) Bridge Roadway Width Curb to Curb	58.1 ft
(52) Deck Width Out to Out	73.4 ft
(32) Approach Roadway Width (W/Shoulders)	73.2 ft
(33) Bridge Median	0-No median
(34) Skew	34 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	16.55 ft
(47) Inventory Route Total Horiz Clear	71.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.54 ft
Ref:	
(55) Min Lat Underclear RT	31 ft
Ref:	
(56) Min Lat Underclear LT	28.3 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	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	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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 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	8
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	N-Bridge not over waterway.
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	19669
(115) Year of Future ADT	2027
INSPECTIONS	
(90) Inspection Date	202006
(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	76.9
STATUS (SD/FO/None)	Functionally Obsolete



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	22681	22011	670	0	0
1130	Cracking (RC and Other)	SF	670	0	670	0	0
(12)	Very minor cracking						
107	Steel Open Girder/Beam	LF	3060	3060	0	0	0
515	Steel Protective Coating	SF	30000	30000	0	0	0
(107)	Paint system is in good shape.						
205	Reinforced Concrete Column	EA	12	12	0	0	0
215	Reinforced Concrete Abutment	LF	144	144	0	0	0
234	Reinforced Concrete Pier Cap	LF	174	174	0	0	0
301	Pourable Joint Seal	LF	1566	1566	0	0	0
(301)	Seals are adhered and working.						
302	Compression Joint Seal	LF	144	144	0	0	0
310	Elastomeric Bearing	EA	50	50	0	0	0
330	Metal Bridge Railing	LF	618	618	0	0	0
515	Steel Protective Coating	SF	618	618	0	0	0
331	Reinforced Concrete Bridge Railing	LF	618	618	0	0	0



Deck crack



Deck



Roadway



Underside



Roadway



Profile



Underside



Deck



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Team Lead: Rickie Bratton **Inspection Date:** June 17, 2020

Maintenance Needs



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Inspection Comments

6-17-20, Inspection revealed UC had changed from new asphalt.

Deck Notes

Very minor cracking. Seals are adhering and working.

Superstructure Notes

Paint system is in good shape.