



Latitude:33.68174, Longitude:-93.55975

Route:67 Section:02 Log:16.02

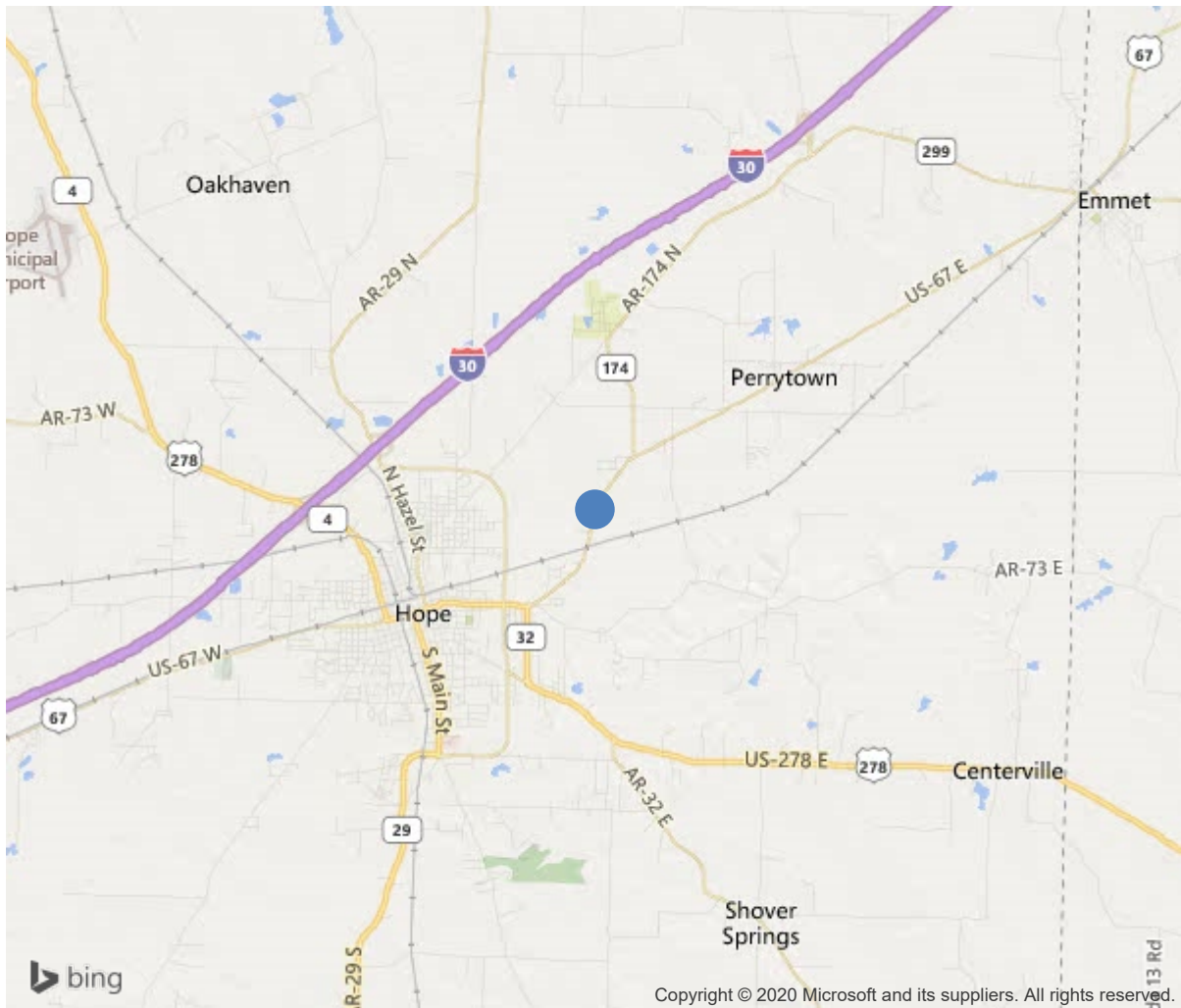
Arnold Road ID:29x67x2xA, Arnold Log mile:16.022

District 03, Hempstead County

Owner: 1-State Highway Agency

Place Code: 32280 - HOPE

0.75M NE SH 278



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33.68174, -93.55975



Bridge #07137(Routine)

US 67-02-L.M 16.02 over PATE CREEK

Location: 0.75M NE SH 278

Team Lead: John King Inspection Date: May 23, 2018

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07137
(5) Inventory Route	67
(2) Highway Agency District	03
(3) County Code	57-Hempstead County, Arkansas
(4) Place Code	32280
(6) Features Intersected	PATE CREEK
(7) Facility Carried	US 67-02-L.M 16.02
(9) Location	0.75M NE SH 278
(11) Mile Point	16.02 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.68174
(17) Longitude	-93.55975
(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	1
(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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2012
(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	3700
(30) Year of ADT	2018
(109) Truck ADT	12 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	91 ft
(49) Structure Length	91 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	39.7 ft
(52) Deck Width Out to Out	43.2 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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		4-Historical significance is not dete	
CONDITION			
(58) Deck			8
(59) Superstructure			8
(60) Substructure			8
(61) Channel & Channel Protection			8
(62) Culverts			N
LOAD RATING AND POSTING			
(31) Design Load			A-HL93
(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			1
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			5
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			8
(72) Approach Roadway Alignment			7
(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		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			3500
(115) Year of Future ADT			2030
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	95.3
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3888	3888	0	0	0
107	Steel Open Girder/Beam	LF	455	455	0	0	0
515	Steel Protective Coating	SF	5460	5460	0	0	0
215	Reinforced Concrete Abutment	LF	110	110	0	0	0
300	Strip Seal Expansion Joint	LF	86	86	0	0	0
310	Elastomeric Bearing	EA	10	10	0	0	0
331	Reinforced Concrete Bridge Railing	LF	186	186	0	0	0



BOTTOM OF DECK TYPICAL





DECK PHOTO



3/4" SETTLEMENT END OF BRIDGE



APPROACH END OF BRIDGE



1 3/16" SETTLEMENT IN APPROACH BEGINNING OF BRIDGE 2 FT. FROM BACK WALL



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Location: 0.75M NE SH 278

Team Lead: John King **Inspection Date:** May 23, 2018

Maintenance Needs



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Location: 0.75M NE SH 278

Team Lead: John King **Inspection Date:** May 23, 2018

Inspection Comments

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Deck Notes

5/23/2018 AL,SS,DECK,DEF. PHOTOS TAKEN PER THIS INSPECTION....
