



Latitude:33.87880, Longitude:-92.41142

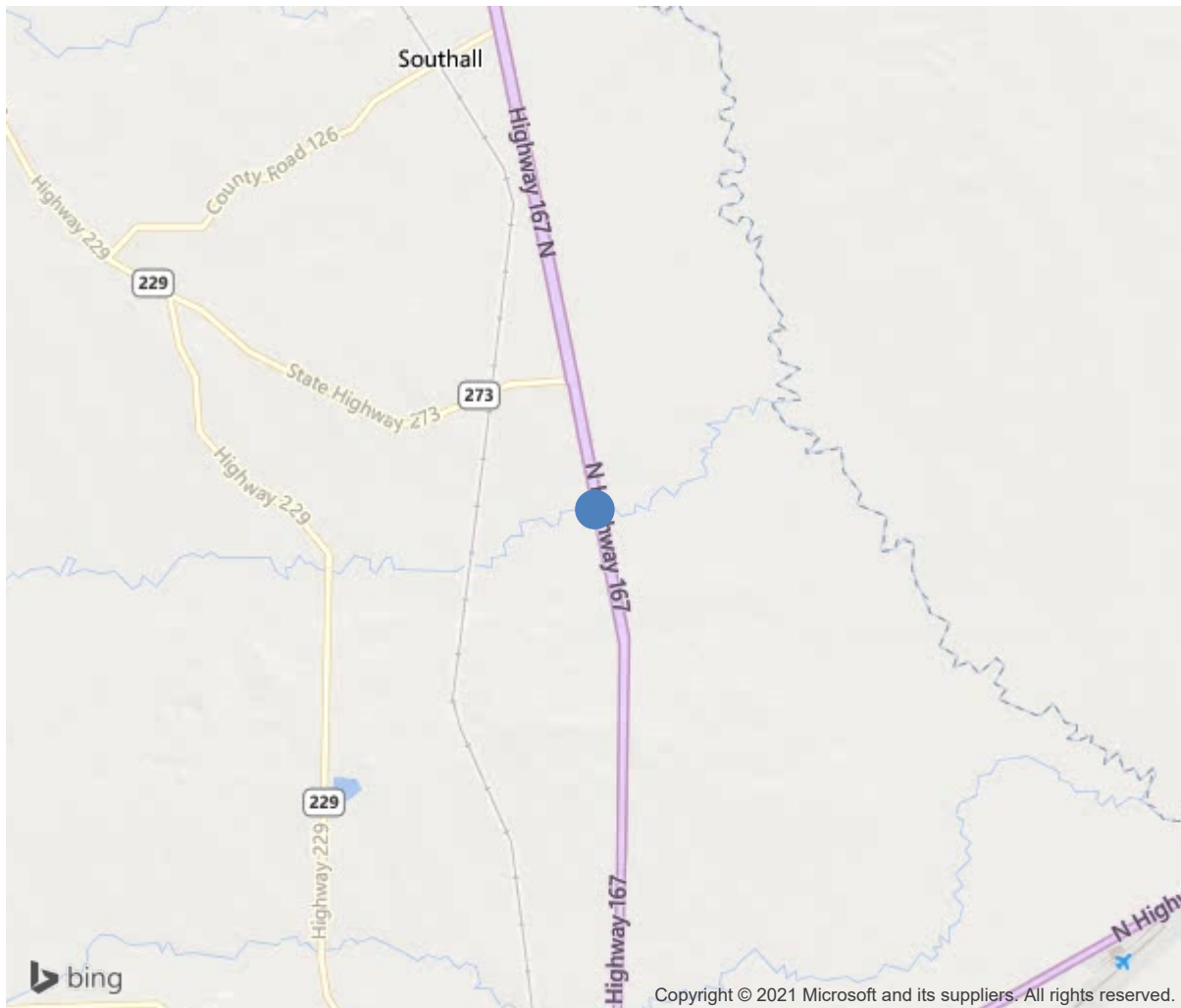
Route:167 Section:07 Log:3.56

Arnold Road ID:20x167x7xB, Arnold Log mile:3.917

District 07, Dallas County

Owner: 1-State Highway Agency

3.60 mi. N jct. US 79



33.87880, -92.41142



Bridge #A7160(Routine)

US167 S-7 LM3.56SB over Hurricane Creek

Location: 3.60 mi. N jct. US 79

Team Lead: Rickie Bratton Inspection Date: May 14, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A7160
(5) Inventory Route	167
(2) Highway Agency District	07
(3) County Code	39-Dallas County, Arkansas
(4) Place Code	0
(6) Features Intersected	Hurricane Creek
(7) Facility Carried	US167 S-7 LM3.56SB
(9) Location	3.60 mi. N jct. US 79
(11) Mile Point	3.56 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.8788
(17) Longitude	-92.41142
(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	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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	2011
(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	5445
(30) Year of ADT	2014
(109) Truck ADT	22 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	42 ft
(49) Structure Length	112.1 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	38.1 ft
(52) Deck Width Out to Out	41 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 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	39.7 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99 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			1
(26) Functional Class	2-Rural Principal Arterial - Oth		
(100) Defense Highway	0-The inventory route is not a S		
(101) Parallel Structure	L-The left structure of parallel		
(102) Direction of Traffic	1 - 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			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			3
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			9
(68) Deck Geometry			7
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			8
(72) Approach Roadway Alignment			7
(36) Traffic Safety Features			1000
A) Bridge Railings	1-Inspected feature meets currently a		
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			6800
(115) Year of Future ADT			2029
INSPECTIONS			
(90) Inspection Date			
(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	



**Bridge #A7160**(Routine)

**US167 S-7 LM3.56SB over Hurricane Creek**

**Location: 3.60 mi. N jct. US 79**

**Team Lead:** Rickie Bratton, **Inspection Date:** May 14, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4704	4474	230	0	0
1130	Cracking (RC and Other)	SF	230	0	230	0	0
(12)	Cracks in each lane, towards white line, run full length. Span 2 mid-span has transverse crack.						
107	Steel Open Girder/Beam	LF	550	550	0	0	0
515	Steel Protective Coating	SF	3346	3346	0	0	0
215	Reinforced Concrete Abutment	LF	80	80	0	0	0
227	Reinforced Concrete Pile	EA	10	10	0	0	0
234	Reinforced Concrete Pier Cap	LF	80	80	0	0	0
302	Compression Joint Seal	LF	82	82	0	0	0
310	Elastomeric Bearing	EA	20	20	0	0	0
331	Reinforced Concrete Bridge Railing	LF	224	224	0	0	0





Cracks in span 1.



Soffit.





Overhang soffit cracks.



Deck cracks.





Deck overview.



Approach roadway.



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## **Maintenance Needs**





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**Team Lead:** Rickie Bratton **Inspection Date:** May 14, 2019

### **Inspection Comments**

Logged south to north. Southbound structure.

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### **Substructure Notes**

Changed element # 205 to Element # 227 in the asset of A7160. RHS