



Latitude:33.83985, Longitude:-92.40965

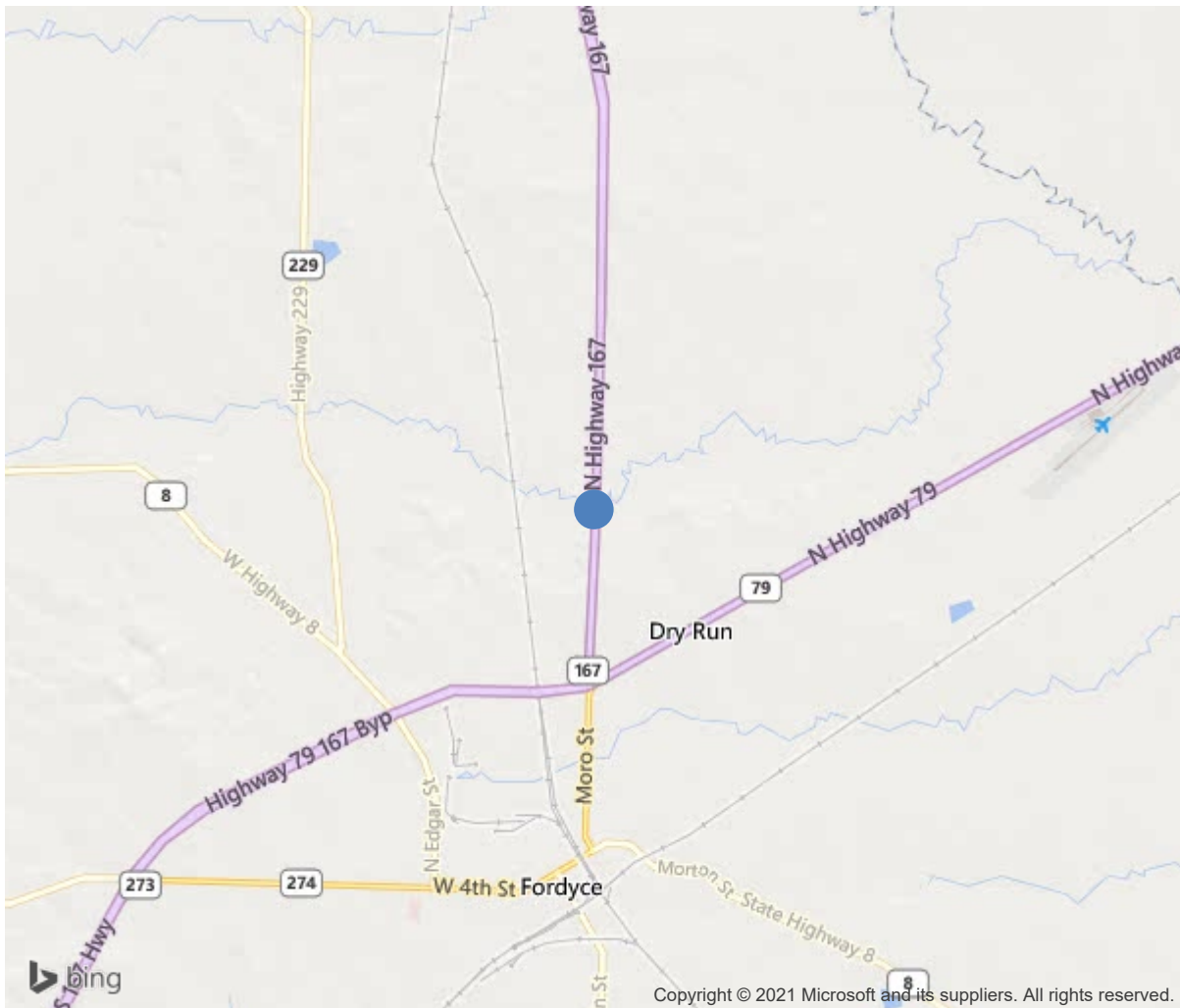
Route:167 Section:07 Log:0.87

Arnold Road ID:20x167x7xA, Arnold Log mile:0.864

District 07, Dallas County

Owner: 1-State Highway Agency

0.91 mi. No. Jct. US 79



33.83985, -92.40965



Bridge #07158(Routine)

US 167 S-7 LM 0.87 over Cooks Creek

Location: 0.91 mi. No. Jct. US 79

Team Lead: Jimmy Reynolds Inspection Date: June 19, 2017

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07158
(5) Inventory Route	167
(2) Highway Agency District	07
(3) County Code	39-Dallas County, Arkansas
(4) Place Code	0
(6) Features Intersected	Cooks Creek
(7) Facility Carried	US 167 S-7 LM 0.87
(9) Location	0.91 mi. No. Jct. US 79
(11) Mile Point	0.87 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.83985
(17) Longitude	-92.40965
(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	1-Epoxy Coated Reinforcing
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	5700
(30) Year of ADT	2014
(109) Truck ADT	22 %
(19) Bypass, Detour Length	5 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	35.1 ft
(52) Deck Width Out to Out	40 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	38.7 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 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	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	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	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	8
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	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 #07158(Routine)**  
**US 167 S-7 LM 0.87 over Cooks Creek**  
**Location: 0.91 mi. No. Jct. US 79**

**Team Lead:** Jimmy Reynolds, **Inspection Date:** June 19, 2017

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	8761	8311	450	0	0
1130	Cracking (RC and Other)	SF	450	0	450	0	0
107	Steel Open Girder/Beam	LF	990	990	0	0	0
515	Steel Protective Coating	SF	6023	6023	0	0	0
215	Reinforced Concrete Abutment	LF	154	154	0	0	0
227	Reinforced Concrete Pile	EA	18	18	0	0	0
234	Reinforced Concrete Pier Cap	LF	154	154	0	0	0
302	Compression Joint Seal	LF	80	80	0	0	0
310	Elastomeric Bearing	EA	36	36	0	0	0
331	Reinforced Concrete Bridge Railing	LF	220	220	0	0	0





Deck



Roadway



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## **Maintenance Needs**



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### **Inspection Comments**

Concrete deck has minor sealable cracks, weathering steel, concrete substructure. Maint. needs D issued 6-25-2015 for vegetation. Soundings measured to top of concrete parapet Bt 2 rt 12'5". Bt 3 rt 15' , Lt 11'