



**Bridge #07138(Routine)**  
**US 67-02-L.M 19.49 over TERRE ROUGE CREEK**  
**Location: 2.43MI SW NEVADA CO LN**  
**Team Lead: John King Inspection Date: May 03, 2018**



Latitude:33.70908, Longitude:-93.51071

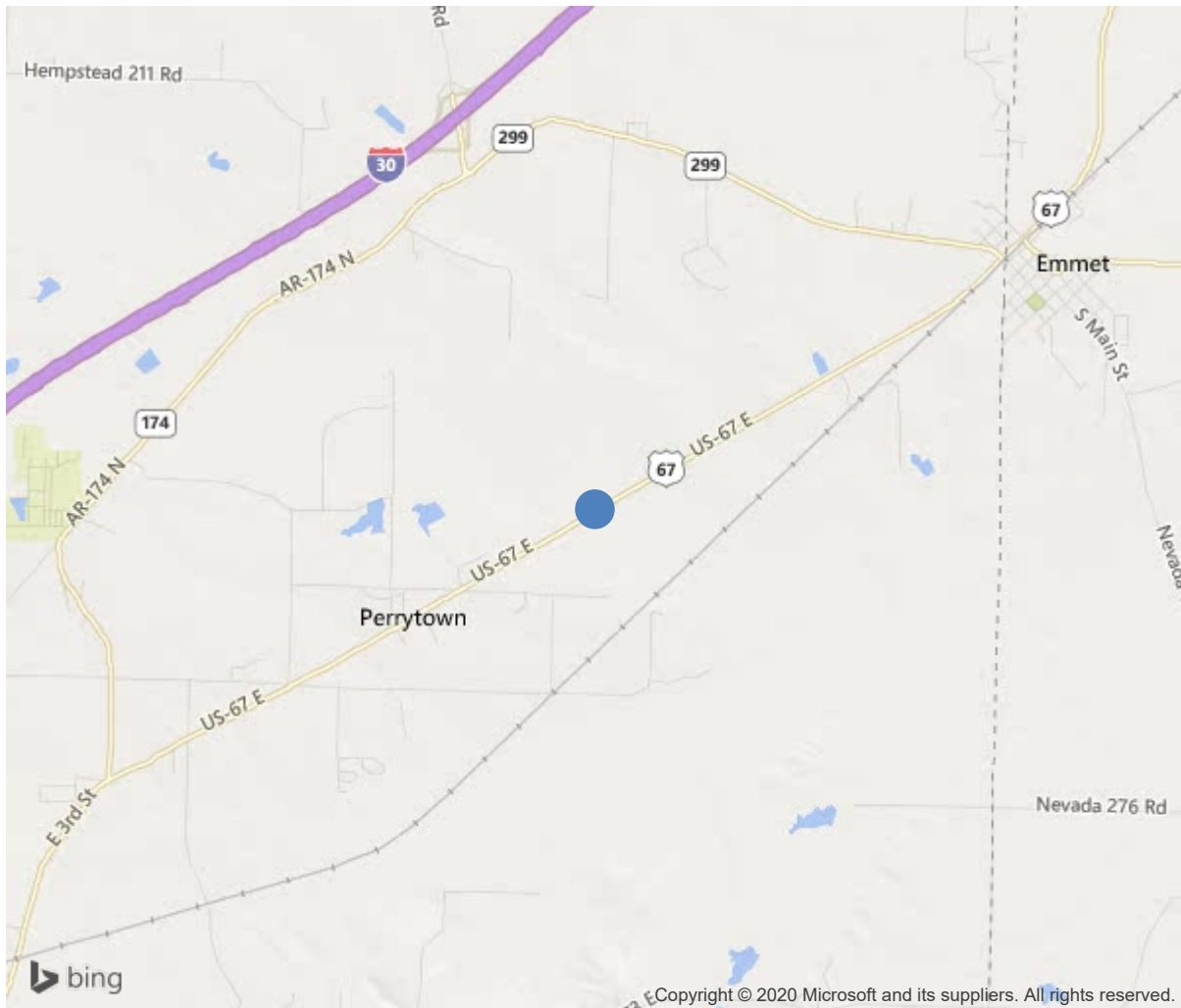
Route:67 Section:02 Log:19.49

Arnold Road ID:29x67x2xA, Arnold Log mile:19.483

District 03, Hempstead County

Owner: 1-State Highway Agency

2.43MI SW NEVADA CO LN



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07138
(5) Inventory Route	67
(2) Highway Agency District	03
(3) County Code	57-Hempstead County, Arkansas
(4) Place Code	0
(6) Features Intersected	TERRE ROUGE CREEK
(7) Facility Carried	US 67-02-L.M 19.49
(9) Location	2.43MI SW NEVADA CO LN
(11) Mile Point	19.49 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.70908
(17) Longitude	-93.51071
(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	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	2300
(30) Year of ADT	2018
(109) Truck ADT	7 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	90 ft
(49) Structure Length	240.1 ft
(50) Curb or Sidewalk Width	
Left	1.4 ft
Right	1.4 ft
(51) Bridge Roadway Width Curb to Curb	40.4 ft
(52) Deck Width Out to Out	43.1 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	25 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40.4 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	7-Rural Major Collector
(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	7
(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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(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	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	98.7
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	10344	10344	0	0	0
(12)	Epoxy Coated bars in deck, Numerous map like deck in span #2 & #3 were sealed in 2012 before bridge was open.						
107	Steel Open Girder/Beam	LF	1200	1200	0	0	0
515	Steel Protective Coating	SF	15456	15456	0	0	0
(107)	weathering steel beams						
226	Prestressed concrete piles	EA	12	12	0	0	0
234	Reinforced Concrete Pier Cap	LF	180	180	0	0	0
302	Compression Joint Seal	LF	95	95	0	0	0
310	Elastomeric Bearing	EA	20	20	0	0	0
331	Reinforced Concrete Bridge Railing	LF	480	480	0	0	0





Deck pans



AI





SS



Bottom of deck



Deck



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## **Maintenance Needs**





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### Inspection Comments

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### Deck Notes

Underside of Deck: Deck pans. Wearing Surface: Concrete deck....5/03/2018 AL,SS,DECK PHOTOS TAKEN PER THIS INSPECTION....

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### Superstructure Notes

Girders/Beams: steel weathering beams  
Paint: steel weathering beams  
Bearings: Elastomeric bearings

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### Substructure Notes

Other: Piles under abutments caps  
Slope Protection: riprap  
Piles: Prestressed concrete piles  
Pier Cap: concrete caps