



Latitude:36.41138, Longitude:-90.59786

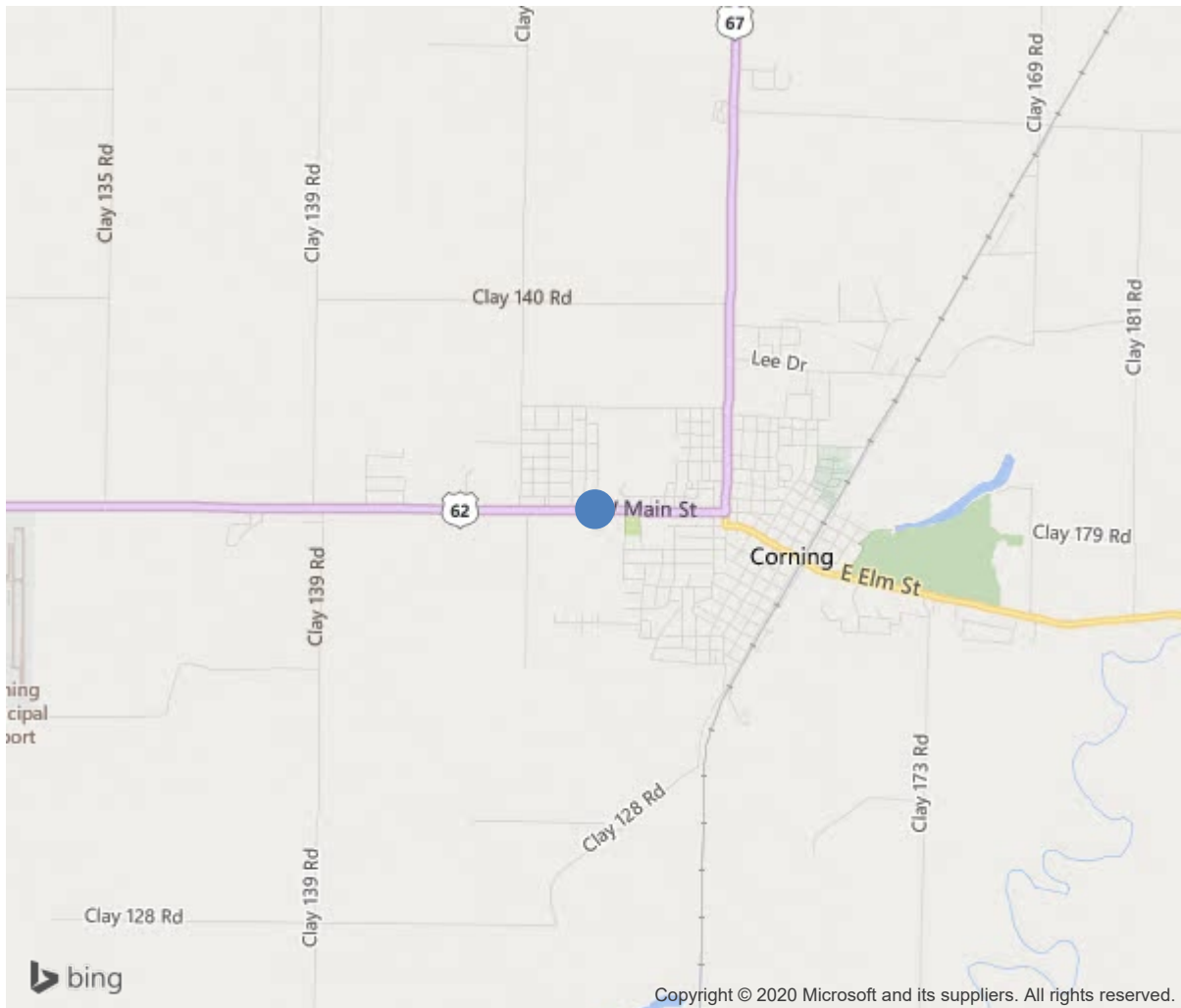
Route:67 Section:20 Log:10.39

Arnold Road ID:11x67x20xA, Arnold Log mile:10.367

District 10, Clay County

Owner: 1-State Highway Agency

West city limits, Corning



36.41138, -90.59786



**Bridge #00431 (Routine)**  
**US 67-20- LM 10.39 over Cypress Creek**  
**Location: West city limits, Corning**

**Team Lead: Richard Jones Inspection Date: February 07, 2017**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	00431
(5) Inventory Route	67
(2) Highway Agency District	10
(3) County Code	21-Clay County, Arkansas
(4) Place Code	0
(6) Features Intersected	Cypress Creek
(7) Facility Carried	US 67-20- LM 10.39
(9) Location	West city limits, Corning
(11) Mile Point	10.39 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000067200
(16) Latitude	36.41138
(17) Longitude	-90.59786
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1-Concrete
Type	4-Tee beam
(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	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1928
(106) Year Reconstructed	1954
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	7389
(30) Year of ADT	2018
(109) Truck ADT	26 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	41.5 ft
(49) Structure Length	41.5 ft
(50) Curb or Sidewalk Width	
Left	2.8 ft
Right	2.8 ft
(51) Bridge Roadway Width Curb to Curb	28 ft
(52) Deck Width Out to Out	33.5 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	27.9 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	5-None present but re-evaluation
(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			7
(59) Superstructure			6
(60) Substructure			7
(61) Channel & Channel Protection			6
(62) Culverts			N
LOAD RATING AND POSTING			
(31) Design Load			4-M 18 / H 20
(63) Operating Rating Method			1
(64) Operating Rating			
Type	1-Load Factor(LF)		
Rating			42
(65) Inventory Rating Method			1-Load Factor(LF)
(66) Inventory Rating			
Type			1
Rating			25
(70) Bridge Posting	5-Equal to or above legal loads		
(41) Structure Open/Posted/Closed	A-Open, no restriction		
APPRAISAL			
(67) Structural Evaluation			5
(68) Deck Geometry			2
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			8
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			0000
A) Bridge Railings	0-Inspected feature does not meet cur		
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	Replacement of bridge or other		
(76) Length of Structure Improvement			67 ft
(94) Bridge Improvement Cost			\$ 0
(95) Roadway Improvement Cost			\$ 400
(96) Total Project Cost			\$ 743
(97) Year of Improvement Cost Estimate			2003
(114) Future ADT			7597
(115) Year of Future ADT			2028
INSPECTIONS			
(90) Inspection Date			201902
(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	61.4
STATUS (SD/FO/None)	Functionally Obsolete



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**Team Lead:** Richard Jones, **Inspection Date:** February 07, 2017

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1441	1437	0	4	0
1120	Efflorescence/Rust Staining	SF	4	0	0	4	0
510	Wearing Surfaces	SF	1155	687	0	468	0
3220	Crack (Wearing Surface)	SF	468	0	0	468	0
110	Reinforced Concrete Open Girder/Beam	LF	255	219	36	0	0
1130	Cracking (RC and Other)	LF	36	0	36	0	0
215	Reinforced Concrete Abutment	LF	132	123	9	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
333	Other Bridge Railing	LF	100	20	80	0	0
1000	Corrosion	LF	80	0	80	0	0





Deck/wearing surface





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## **Maintenance Needs**



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## Inspection Comments

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## Deck Notes

Deck with asphalt  
overlay has several open unsealed cracks.

Bottom of Deck  
Soffit  
has a few minor cracks with efflorescence.

Metal Bridge Rail has 80% paint deterioration  
and surface rust.

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## Superstructure Notes

Concrete Girders have a few minor  
transverse cracks in bottom of girders.

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## Substructure Notes

Concrete Abutments have a few minor  
vertical cracks.