



Latitude:33.64063, Longitude:-93.78895

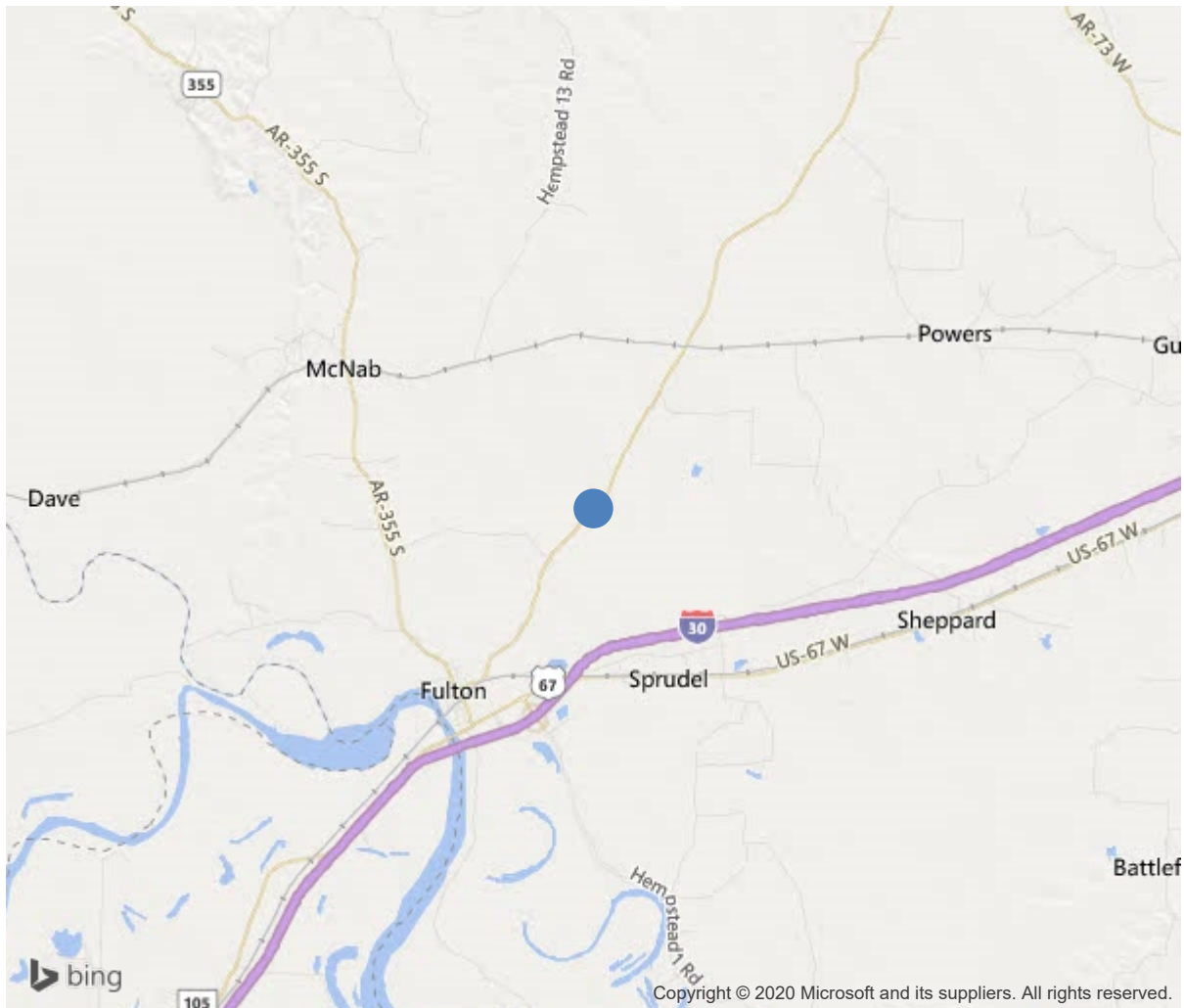
Route:195 Section:01 Log:2.38

Arnold Road ID:29x195x1xA, Arnold Log mile:2.406

District 03, Hempstead County

Owner: 1-State Highway Agency

2.5 MI NE SH 355



33.64063, -93.78895



Bridge #M2288(Routine)
SH 195 SEC.01-2.38 over BRIDGE CREEK

Location: 2.5 MI NE SH 355

Team Lead: John King Inspection Date: January 07, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M2288
(5) Inventory Route	195
(2) Highway Agency District	03
(3) County Code	57-Hempstead County, Arkansas
(4) Place Code	0
(6) Features Intersected	BRIDGE CREEK
(7) Facility Carried	SH 195 SEC.01-2.38
(9) Location	2.5 MI NE SH 355
(11) Mile Point	2.38 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.64063
(17) Longitude	-93.78895
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1-Concrete
Type	22-Channel beam
(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	2-Concrete Precast Panels
(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	1967
(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	330
(30) Year of ADT	2018
(109) Truck ADT	7 %
(19) Bypass, Detour Length	15 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	93 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	26.3 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	25.6 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			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			6
(60) Substructure			6
(61) Channel & Channel Protection			6
(62) Culverts			N
LOAD RATING AND POSTING			
(31) Design Load		2-M 13.5 / H 15	
(63) Operating Rating Method			1
(64) Operating Rating			
Type		1-Load Factor(LF)	
Rating			49
(65) Inventory Rating Method		1-Load Factor(LF)	
(66) Inventory Rating			
Type			3
Rating			29
(70) Bridge Posting		5-Equal to or above legal loads	
(41) Structure Open/Posted/Closed		A-Open, no restriction	
APPRAISAL			
(67) Structural Evaluation			6
(68) Deck Geometry			5
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			6
(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		Bridge rehabilitation because	
(76) Length of Structure Improvement		93 ft	
(94) Bridge Improvement Cost		\$ 0	
(95) Roadway Improvement Cost		\$ 0	
(96) Total Project Cost		\$ 109	
(97) Year of Improvement Cost Estimate		2000	
(114) Future ADT		412	
(115) Year of Future ADT		2028	
INSPECTIONS			
(90) Inspection Date			201901
(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	79.6
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	2418	2418	0	0	0
510	Wearing Surfaces	SF	2241	2241	0	0	0
(12)	WEARING SURFACE THICKNESS___ 1.5 inch						
110	Reinforced Concrete Open Girder/Beam	LF	744	744	0	0	0
(110)	Unit #6 DIAPHRAM IS SPALLED WITH REBAR EXPOSED, OVER BENT #3 CAP						
206	Timber Column	EA	20	20	0	0	0
(206)	BENT 2 TIMBER PILES # 3 AND 4 , DECAY/ SECTION LOSS TO BOTH PILES . NOTE : PILE 2 WAS REPAIRED IN PAST. SEE DEF DRAWINGS 01/06/2017						
234	Reinforced Concrete Pier Cap	LF	54	54	0	0	0
(234)	Bent 2 cap spall 2 LF Bent 3 cap spall 2 LF						
330	Metal Bridge Railing	LF	54	54	0	0	0



Under deck photo





Right side of road leveled left side about an 1" low at approach on both ends of bridge



Erosion under span #1 beginning of bridge



Guard rail post exposed rebar left side span #2 center post of span



Erosion beginning of bridge right side



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Maintenance Needs



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Deck Notes

3 SPAN PRECAST UNITS.....CHANGE PILING NUMBERING LT. TO RT.....
01/05/2017 AL,CH,SS, DEF PHOTO TAKEN. BRIDGE HAS A ASPHALT OVER LAY.....1-7-2109 Al,SS,under deck and updated and Def photos taken per this inspection

Superstructure Notes

Unit #6 DIAPHRAM IS SPALLED WITH REBAR EXPOSED, OVER BENT #3 CAP.....

Substructure Notes

01/05/2017 Bent 2 cap spall 2 LF ____ Bent 3 cap spall 2 LF BENT 2 TIMBER PILES # 3 AND 4 , DECAY/ SECTION LOSS TO BOTH PILES . NOTE : PILE 2 WAS REPAIRED IN PAST. SEE DEF DRAWINGS 01/05/2017....