



Latitude:33.65139, Longitude:-93.78221

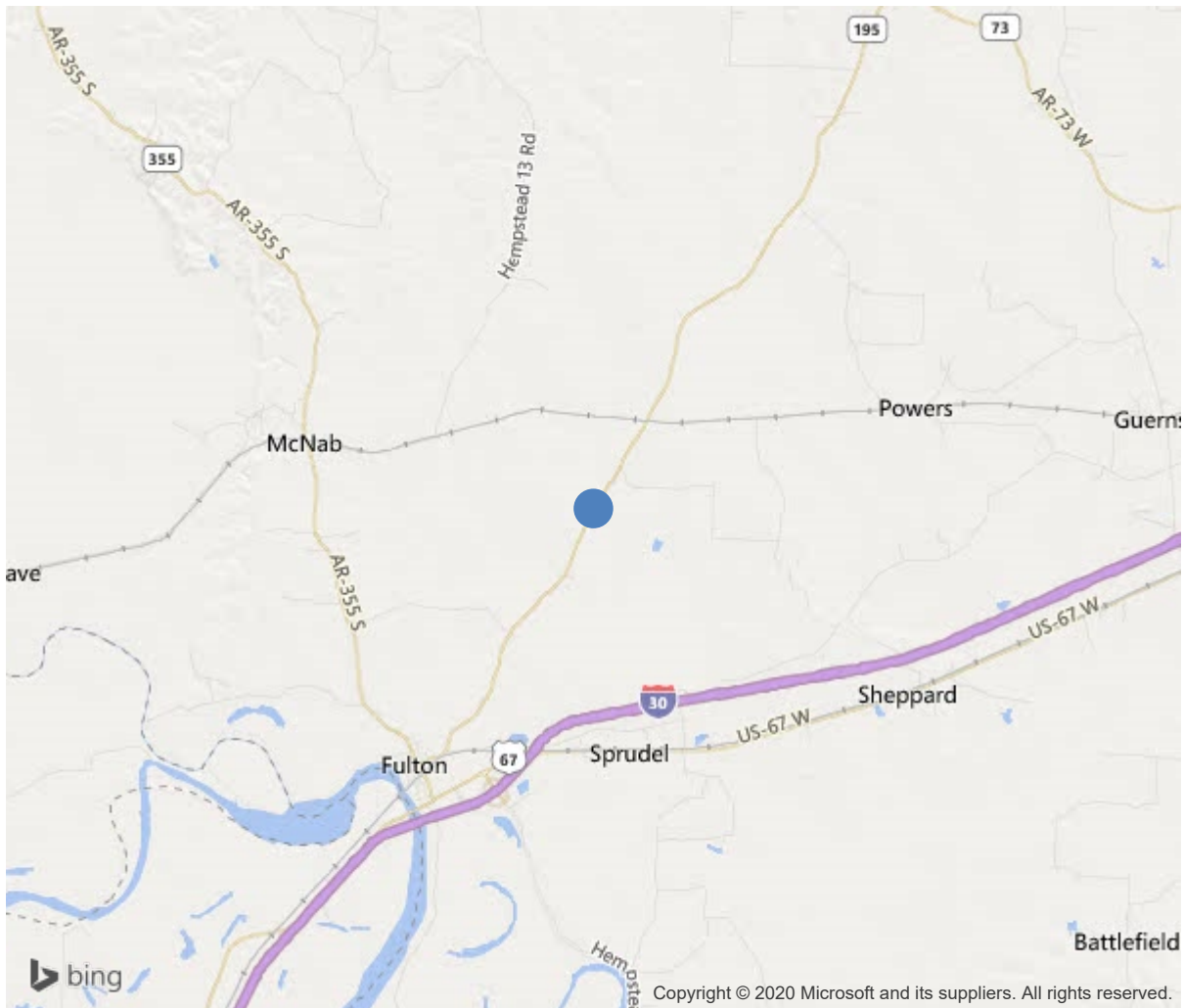
Route:195 Section:01 Log:3.22

Arnold Road ID:29x195x1xA, Arnold Log mile:3.251

District 03, Hempstead County

Owner: 1-State Highway Agency

3.3 MI N.E. OF FULTON



33.65139, -93.78221



**Bridge #M2289(Routine)**  
**SH 195 - 01- 3.22 over TURKEY CREEK**  
**Location: 3.3 MI N.E. OF FULTON**

**Team Lead: Charlie Rogers Inspection Date: September 06, 2018**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M2289
(5) Inventory Route	195
(2) Highway Agency District	03
(3) County Code	57-Hempstead County, Arkansas
(4) Place Code	0
(6) Features Intersected	TURKEY CREEK
(7) Facility Carried	SH 195 - 01- 3.22
(9) Location	3.3 MI N.E. OF FULTON
(11) Mile Point	3.22 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.65139
(17) Longitude	-93.78221
(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	20 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	57 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	25.1 ft
(32) Approach Roadway Width (W/Shoulders)	25.9 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	6
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0-Other or Unknown
(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	3
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	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	
(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	412
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201809
(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	68.4
STATUS (SD/FO/None)	Not Deficient



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**Team Lead:** Charlie Rogers, **Inspection Date:** September 06, 2018

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1430	1430	0	0	0
510	Wearing Surfaces	SF	1374	1374	0	0	0
110	Reinforced Concrete Open Girder/Beam	LF	456	453	0	3	0
1090	Exposed Rebar	LF	3	0	0	3	0
(110) unit 4 spall with rebar exposed span 3							
218	Other Abutment	LF	28	28	0	0	0
228	Timber Pile	EA	15	14	1	0	0
1140	Decay/Section Loss	EA	1	0	1	0	0
(228) TIMBER PILES BENT #3 PILE #2----NUMBERED PILES LT. TO RT. IN 2006 PILE 2 REPAIRED PILE IS DECAYED IN THE TOP 14" AND IN POOR CONDITION. C.H. 8-24-10 REPLACED BAD SECTION AND POURED CONCRETE COLLAR AROUND SPLICED TIMBER PILES BENT #1 PILES #3 & #4-----OUTER SHELL IS DECAYED & IN FAIR COND. REPAIRED PILE 1,3,4,5 BENT #2 PILE #5--TOP OF PILE IS DECAYED & IN FAIR COND. REPAIRED PILE 4 & 5 BENT #2 PILE #4---OUTER SHELL IS DECAYED & IN FAIR COND. C.H. 8-23-10 REPLACED BAD SECTIONS OF ALL PILES AT ALL BENTS POURED CONCRETE COLLAR AROUND SPLICED JOINTS Bent 3 Pile 1, Top 6 in. of pile is decayed							
234	Reinforced Concrete Pier Cap	LF	108	101	7	0	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
(234) Bent 2 small spalls on cap 5 LF BT 3 --2 LF SPALLS							
330	Metal Bridge Railing	LF	114	114	0	0	0





SS



Underside of deck typical all spans





Deck



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## **Maintenance Needs**



Bridge #M2289(Routine)  
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Location: 3.3 MI N.E. OF FULTON

Team Lead: Charlie Rogers Inspection Date: September 06, 2018

## Inspection Comments

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### Deck Notes

3 SPAN CONC. PRECAST UNITS...

unit 7 span 1 diaphragm spall with rebar

unit 4 spall with rebar exposed...9/6/2018...AL, SS, Deck, Def. photos taken...

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### Superstructure Notes

2016..CHANGE IN CONDITION, LOWER SUPERSTRUCTURE TO 6 SAT. DO TO SPALLS WITH REBAR EXPOSED ON BOTTOM OF UNITS..

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### Substructure Notes

09/06/2018....BENT 3 PILE 1 , TOP 6 IN. OF PILE IS DECAYED....TIMBER PILES

BENT #3 PILE #2---NUMBERED PILES LT. TO RT. IN 2006 PILE 2 REPAIRED

PILE IS DECAYED IN THE TOP 14" AND IN POOR CONDITION. C.H. 8-24-10 REPLACED BAD SECTION AND POURED CONCRETE COLLAR AROUND SPLICED

TIMBER PILES

BENT #1 PILES #3 & #4-----OUTER SHELL IS DECAYED & IN FAIR COND. REPAIRED PILE 1,3,4,5

BENT #2 PILE #5--TOP OF PILE IS DECAYED & IN FAIR COND. REPAIRED PILE 4 & 5

BENT #2 PILE #4---OUTER SHELL IS DECAYED & IN FAIR COND. C.H.

8-23-10 REPLACED BAD SECTIONS OF ALL PILES AT ALL BENTS POURED CONCRETE COLLAR AROUND SPLICED JOINTS