



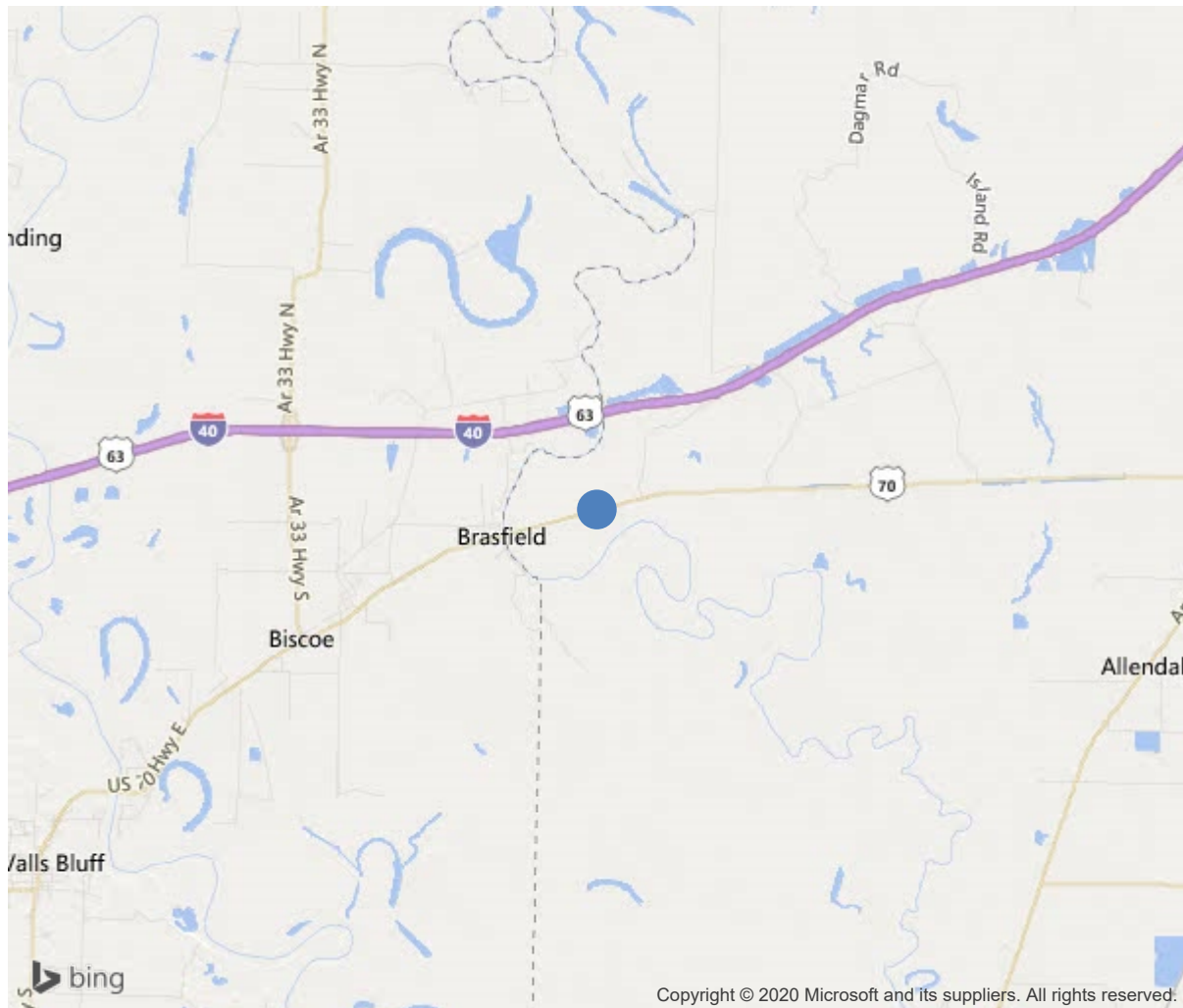
Bridge #01103(Routine)

Us-70/Sec-17/L0.96 over Cache River Relief

Location: .96 Mi E Of Prairie Co

Team Lead: Drew Melton **Inspection Date:** October 29, 2018

.96 Mi E Of Prairie Co



34.83480, -91.36056



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01103
(5) Inventory Route	70
(2) Highway Agency District	01
(3) County Code	95-Monroe County, Arkansas
(4) Place Code	0
(6) Features Intersected	Cache River Relief
(7) Facility Carried	Us-70/Sec-17/L0.96
(9) Location	.96 Mi E Of Prairie Co
(11) Mile Point	0.96 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.834801
(17) Longitude	-91.360558
(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	6
(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	1930
(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	1100
(30) Year of ADT	2014
(109) Truck ADT	19 %
(19) Bypass, Detour Length	4 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	34 ft
(49) Structure Length	205 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	26.9 ft
(52) Deck Width Out to Out	30 ft
(32) Approach Roadway Width (W/Shoulders)	36.1 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	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	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	6
(59) Superstructure	7
(60) Substructure	7
(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	46
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	6
Rating	28
(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	4
(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	
(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	1167
(115) Year of Future ADT	2028
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



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	6150	5680	40	430	0
1090	Exposed Rebar	SF	10	0	0	10	0
1120	Efflorescence/Rust Staining	SF	460	0	40	420	0
510	Wearing Surfaces	SF	5535	5095	440	0	0
3220	Crack (Wearing Surface)	SF	440	0	440	0	0
(16)	Soffit has transverse cracks with light to moderate efflorescence and light rust staining. Span #2 bays #1,3each have a two foot spall with exposed rebar with 5% section loss. Span #5 at bent #5 soffit left overhang has two foot spall rebar exposed 5% section loss. Soffit overhangs have transverse cracks with light efflorescence and a few small spalls near drains and joints. Wearing surface has several cracks all directions. Curbs have areas of deterioration sixty square feet total.						
110	Reinforced Concrete Open Girder/Beam	LF	1025	1025	0	0	0
(110)	All girders have vertical hairline flexure cracks in sides.						
215	Reinforced Concrete Abutment	LF	64	0	64	0	0
6000	Scour	LF	64	0	64	0	0
(215)	Abutment #1 cap is eroded one foot, and abutment #2 cap is eroded six inches to one foot exposing all abutment piles. Abutment back walls are cracked full length.						
227	Reinforced Concrete Pile	EA	35	35	0	0	0
(227)	Bent #5 pile #5 is cracked and delaminated near top for two feet. Abutment #1 cap is eroded one foot, and abutment #2 cap is eroded six inches to one foot exposing all abutment piles.						
234	Reinforced Concrete Pier Cap	LF	128	127	1	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(234)	Bent #5 cap bottom ahead side cracked between piles #4,5.						
300	Strip Seal Expansion Joint	LF	56	0	0	56	0
2350	Debris Impaction	LF	56	0	0	56	0
(300)	Asphalt overlay is limiting function of joint.						
311	Movable Bearing	EA	10	10	0	0	0
331	Reinforced Concrete Bridge Railing	LF	410	410	0	0	0

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(331)	Abutment #2 left monument post is spalled no rebar exposed.						



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Maintenance Needs



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Inspection Comments

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