Bridge #01926(Routine)
SH 365 Log 1.00 over DRAINAGE DITCH
Location: .30 MI E JCT OF I-30
Team Lead: Bryan Saunders **Inspection Date:** December 13, 2021

Latitude:34.72375, Longitude:-92.26146

Route:365 Section:12 Log:1

Arnold Road ID:60x365x12xA, Arnold Log mile:0.992

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 41000 - Little Rock

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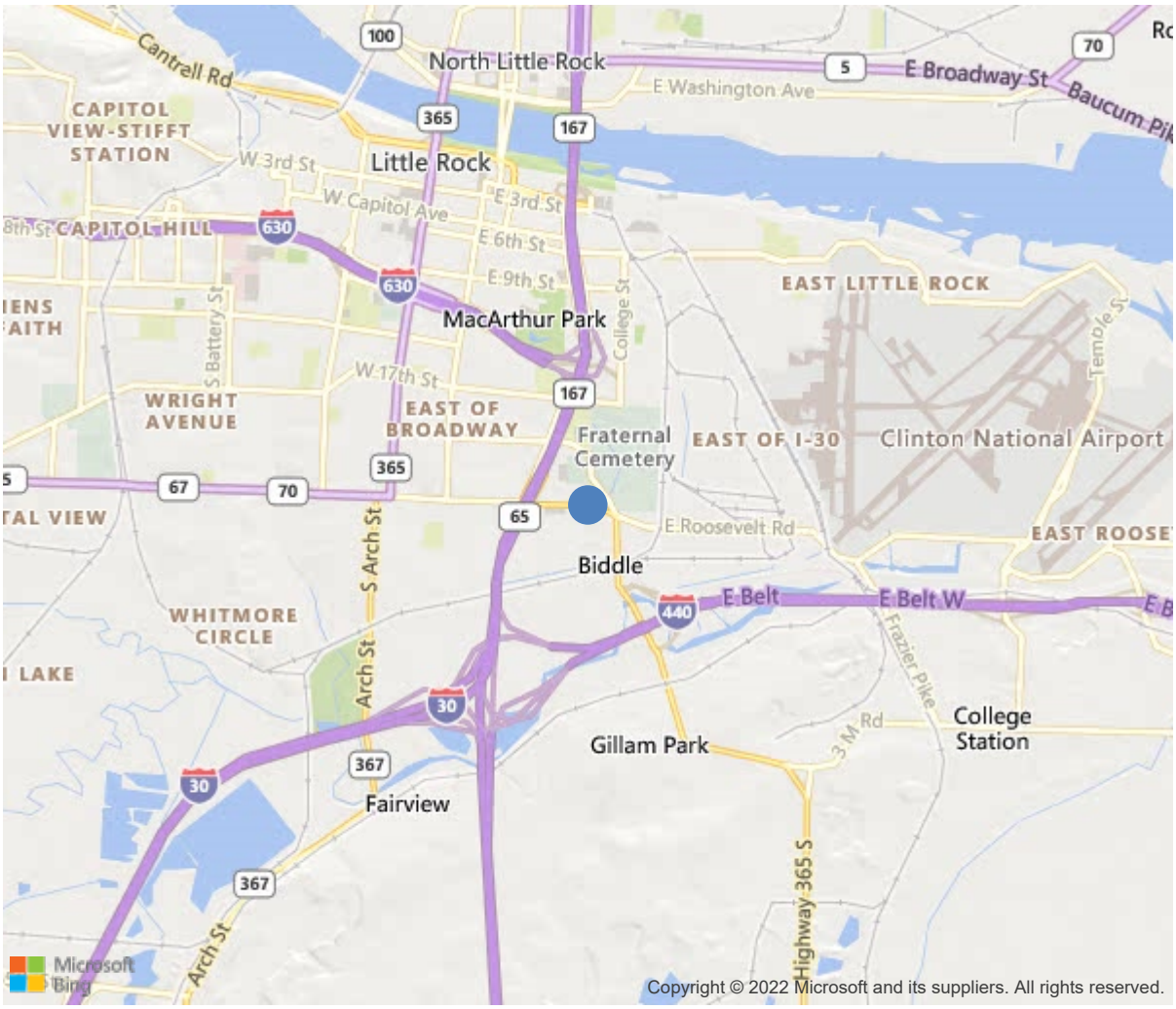

34.72375, -92.26146

Inspection Direction : W to E

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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01926
(5) Inventory Route	365
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	41000
(6) Features Intersected	DRAINAGE DITCH
(7) Facility Carried	SH 365 Log 1.00
(9) Location	.30 MI E JCT OF I-30
(11) Mile Point	1 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.72375
(17) Longitude	-92.26146
(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	1935
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	15000
(30) Year of ADT	2018
(109) Truck ADT	6 %
(19) Bypass, Detour Length	1 mi

GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	33 ft
(50) Curb or Sidewalk Width	
Left	4.5 ft
Right	4.5 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	51 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	50 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	48.9 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	16-Urban Minor Arterial
(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	4-M 18 / H 20
(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	1
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	5
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) 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	56 ft
(94) Bridge Improvement Cost	$ 0
(95) Roadway Improvement Cost	$ 362
(96) Total Project Cost	$ 632
(97) Year of Improvement Cost Estimate	2002
(114) Future ADT	19443
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			12/2021
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		

* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1683	1645	18	20	0
1080	Delamination/Spall/Patched Area	SF	0	0	0	0	0
1090	Exposed Rebar	SF	28	0	8	20	0
1130	Cracking (RC and Other)	SF	10	0	10	0	0
510	Wearing Surfaces	SF	1320	1320	0	0	0
(16)							
Scattered small spalls with exposed rebar in the soffit. See photo							
(16-510)							
cracks in the wearing surface at the ends of the bridge.							
110	Reinforced Concrete Open Girder/Beam	LF	330	219	59	52	0
1080	Delamination/Spall/Patched Area	LF	6	0	6	0	0
1090	Exposed Rebar	LF	52	0	0	52	0
1130	Cracking (RC and Other)	LF	53	0	53	0	0
(110)							
Spalls with exposed rebar all beams but beam 5.							
215	Reinforced Concrete Abutment	LF	160	126	23	11	0
1080	Delamination/Spall/Patched Area	LF	22	0	11	11	0
1130	Cracking (RC and Other)	LF	12	0	12	0	0
(215)							
Delam bent 2 between beam 1&2. Common at bent 1 between beams 9 & 10. See photo. Scattered cracks and contact spalls under beams in both abutments.							
331	Reinforced Concrete Bridge Railing	LF	66	66	0	0	0

Approach looking east

Soffit view

Deck view

Cracks in the wearing surface at both ends of the bridge

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Maintenance Needs

Date Reported: 12/19/2011
Priority: D- Routine
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Both abutments
Large cracks with delaminations on both abutments. Abutment 1 on the downstream corner and Abutment 2 on the upstream corner. See photo.

Remarks

Bt. 1, right end of abutment.

Delam bent 2 between beam 1&2. Common at bent 1 between beams 9 & 10

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Delam bent 2 between beam 1&2. Common at bent 1 between beams 9 & 10

Bt. 2, left end of the abutment.

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Right side at bent 1

Bent 2 girder 1

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Date Reported: 12/19/2011
Priority: D- Routine
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Beams 1, 2, 3,4, 6, 7, 9 and 10
Small spalls with exposed rebar. See photo.

Remarks

Spalls with exposed rebar left side of beam 2. Common all beams but beam 5.

Exposed rebar on beam 9 & the soffit on either side.

Spalls with exposed rebar left side of beam 2. Common all beams but beam 5.

Spalls with rebar at beam

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Beam 1 bent 1

Left side beam 1

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Inspection Comments
See AHTD drawing # 3951 for layout.Approach looking east