



Latitude:34.84406, Longitude:-92.33763

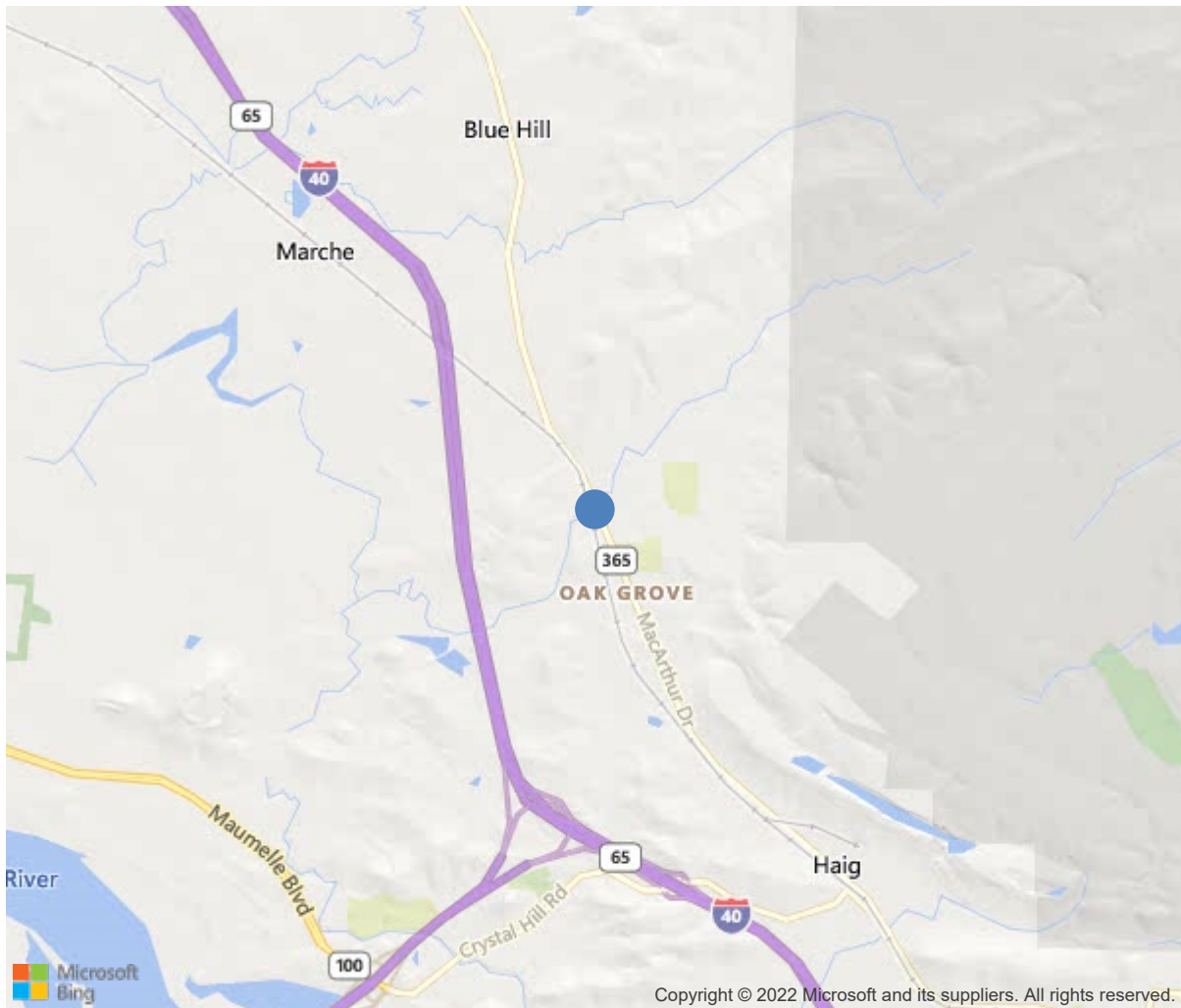
Route:365 Section:11 Log:9.308

Arnold Road ID:60x365x11xA, Arnold Log mile:9.27

District 06, Pulaski County

Owner: 1-State Highway Agency

5.62 MI N I-40/I-2



34.84406, -92.33763



Bridge #M2970(Routine)
SH 365 Log 9.03 over NEWTON CREEK
Location: 5.62 MI N I-40/I-2

Team Lead: Chris Doggett Inspection Date: February 03, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M2970
(5) Inventory Route	365
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	0
(6) Features Intersected	NEWTON CREEK
(7) Facility Carried	SH 365 Log 9.03
(9) Location	5.62 MI N I-40/I-2
(11) Mile Point	9.308 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000365110
(16) Latitude	34.84406
(17) Longitude	-92.33763
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
Type	2-Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	2
(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	1919
(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	5100
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	29.8 ft
(49) Structure Length	66 ft
(50) Curb or Sidewalk Width	
Left	2 ft
Right	1.3 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	29 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 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	28.2 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	14-Urban Other Principal 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	6
(61) Channel & Channel Protection	7
(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	48
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	2
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	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	91 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 125
(96) Total Project Cost	\$ 308
(97) Year of Improvement Cost Estimate	2002
(114) Future ADT	7907
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			02/2020
(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.			

Team Lead: Chris Doggett, **Inspection Date:** February 03, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	1869	1713	126	30	0
1090	Exposed Rebar	SF	30	0	0	30	0
1130	Cracking (RC and Other)	SF	126	0	126	0	0
510	Wearing Surfaces	SF	1716	1576	140	0	0
3220	Crack (Wearing Surface)	SF	140	0	140	0	0
(12)							
Both spans have spalls with exposed rebar on the soffit. Span 2 worst case.Photo attached. Random cracks in the asphalt overlay.							
107	Steel Open Girder/Beam	LF	528	0	411	117	0
1000	Corrosion	LF	528	0	411	117	0
515	Steel Protective Coating	SF	3069	0	0	400	2669
3440	Effectiveness (Steel Protective Coatings)	SF	3069	0	0	400	2669
(107)							
Beams 1&2 have some paint remaining, all others have uniform surface rust and minor pitting.							
210	Reinforced Concrete Pier Wall	LF	29	0	25	4	0
1190	Abrasion/Wear (PSC/RC)	LF	29	0	25	4	0
(210)							
Bent 2 left end of pier wall has severe abrasion. See photo.							
215	Reinforced Concrete Abutment	LF	137	123	12	2	0
1130	Cracking (RC and Other)	LF	14	0	12	2	0
(215)							
Bent 1 has scattered small vertical cracks. Bent 3 has a vertical crack full height under beam 7.							
330	Metal Bridge Railing	LF	264	256	0	8	0
7000	Damage	LF	8	0	0	8	0
(330)							
Traffic impact to right bridge rail at bent 1. See photo. State forces have painted metal bridge rail.							



Right guardrail has collision damage.



Soffit has spalls with exposed rebar at span 2 between beams 7&8.



Soffit view



Deck view



Approach looking south



Span 2, between beams 7 & 8: large spall in soffit with exposed steel. Multiple locations with similar spalls.



Bent 2, left end with severe abrasion exposing reinforcing steel



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Team Lead: Chris Doggett Inspection Date: February 03, 2020

Maintenance Needs

Date Reported: 03/26/2012
Priority: D- Routine
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Most all beams have active, flaking rust with some pit to lower web and bottom flange.

Remarks

Date Reported: 02/20/2018
Priority: C - Important
Type of Work: Repair
Status: Assigned
Component: Approach

Deficiency Description

Right bridge rail at bent 1 damaged due to traffic impact.

Remarks

Assigned District Bridge Crew 06001 5/17/18



Right guardrail has collision damage.



Right guardrail has collision damage



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Team Lead: Chris Doggett **Inspection Date:** February 03, 2020

Inspection Comments

Revised sketch attached.

Logged Southbound