



Latitude:34.79829, Longitude:-92.02611

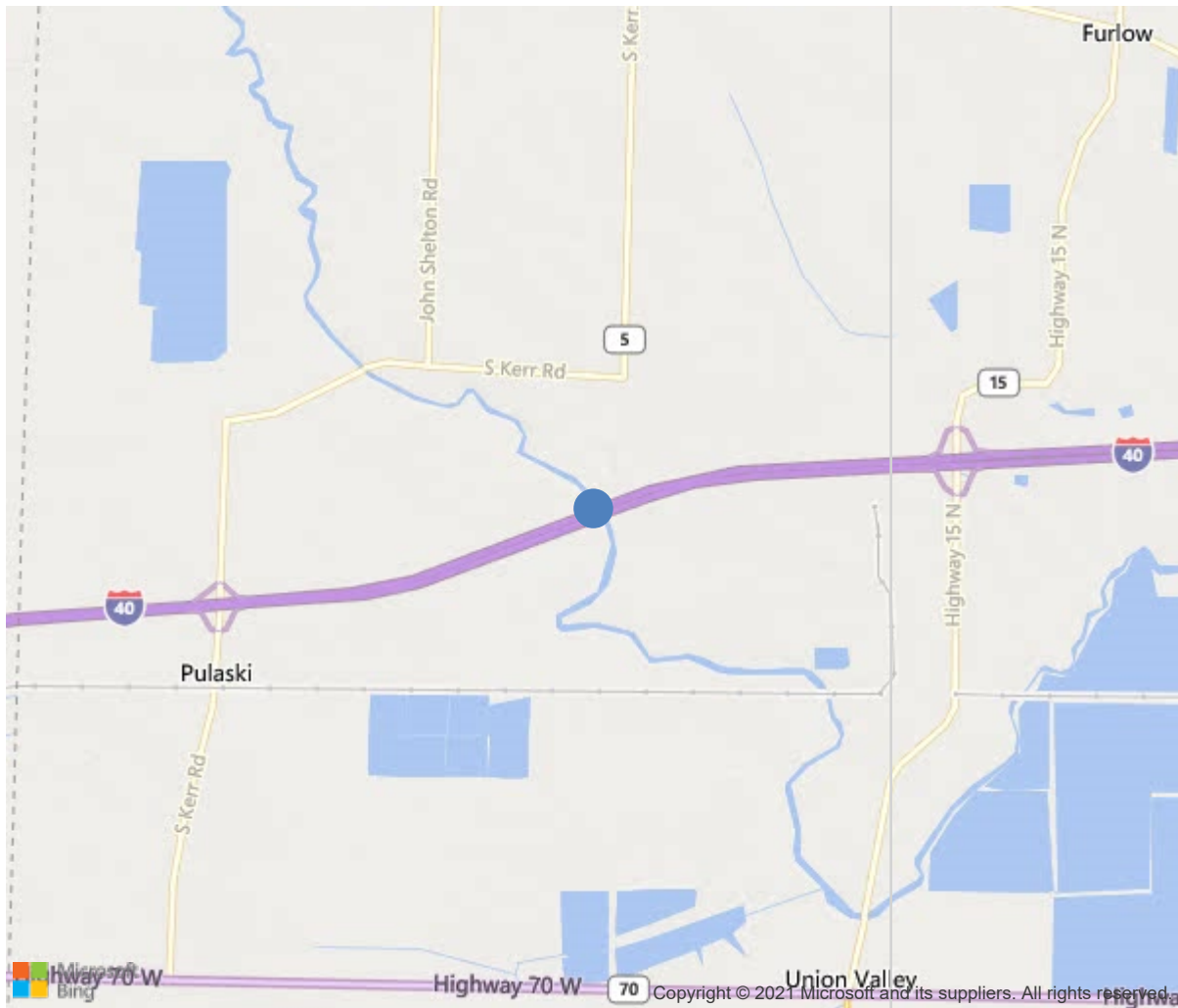
Route:40 Section:41 Log:166.76

Arnold Road ID:43x40x41xB, Arnold Log mile:117.814

District 06, Lonoke County

Owner: 1-State Highway Agency

2 Mi E of SH 15



34.79829, -92.02611



Bridge #A6872(Routine)

I-40 WB Log 166.76 over Bayou Meto

Location: 2 Mi E of SH 15

Team Lead: Chris Doggett Inspection Date: July 09, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A6872
(5) Inventory Route	40
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	Bayou Meto
(7) Facility Carried	I-40 WB Log 166.76
(9) Location	2 Mi E of SH 15
(11) Mile Point	166.76 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000040410
(16) Latitude	34.79829
(17) Longitude	-92.02611
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	9
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2003
(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	65482
(30) Year of ADT	2014
(109) Truck ADT	43 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	40 ft
(49) Structure Length	342 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43.3 ft
(32) Approach Roadway Width (W/Shoulders)	80.1 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	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	1
(26) Functional Class	1-Rural Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	L-The left structure of parallel
(102) Direction of Traffic	1 - 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	4-Historical significance is not dete
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(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	9
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	8
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) 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	
(114) Future ADT	24859
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			07/2019
(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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I-40 WB Log 166.76 over Bayou Meto

Location: 2 Mi E of SH 15

Team Lead: Chris Doggett, Inspection Date: July 09, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	14770	13270	1500	0	0
1130	Cracking (RC and Other)	SF	1500	0	1500	0	0
(12)	Unsealed transverse and longitudinal cracks in all spans. 0.030 avg. width.						
107	Steel Open Girder/Beam	LF	2040	2039	1	0	0
1020	Connection	LF	1	0	1	0	0
515	Steel Protective Coating	SF	12362	0	12362	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	12362	0	12362	0	0
205	Reinforced Concrete Column	EA	3	3	0	0	0
215	Reinforced Concrete Abutment	LF	130	130	0	0	0
227	Reinforced Concrete Pile	EA	227	227	0	0	0
234	Reinforced Concrete Pier Cap	LF	336	336	0	0	0
300	Strip Seal Expansion Joint	LF	86	86	0	0	0
310	Elastomeric Bearing	EA	60	60	0	0	0
321	Reinforced Concrete Approach Slab	SF	1752	1708	0	44	0
1080	Delamination/Spall/Patched Area	SF	4	0	0	4	0
1130	Cracking (RC and Other)	SF	40	0	0	40	0
(321)	Transverse cracks in both approach slabs. Spall at east approach slab. See photo.						
331	Reinforced Concrete Bridge Railing	LF	684	679	0	5	0
7000	Damage	LF	5	0	0	5	0





Deck view



A large quantity of debris in gutter line





Soffit view



Damage to the right barrier wall in span 2.



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**I-40 WB Log 166.76 over Bayou Meto**

**Location: 2 Mi E of SH 15**

**Team Lead:** Chris Doggett **Inspection Date:** July 09, 2019

**Inspection Comments**

AHTD Job B60113, 43196

Logged east bound.