



Latitude:34.77878, Longitude:-92.20381

Route:40 Section:33 Log:156.52

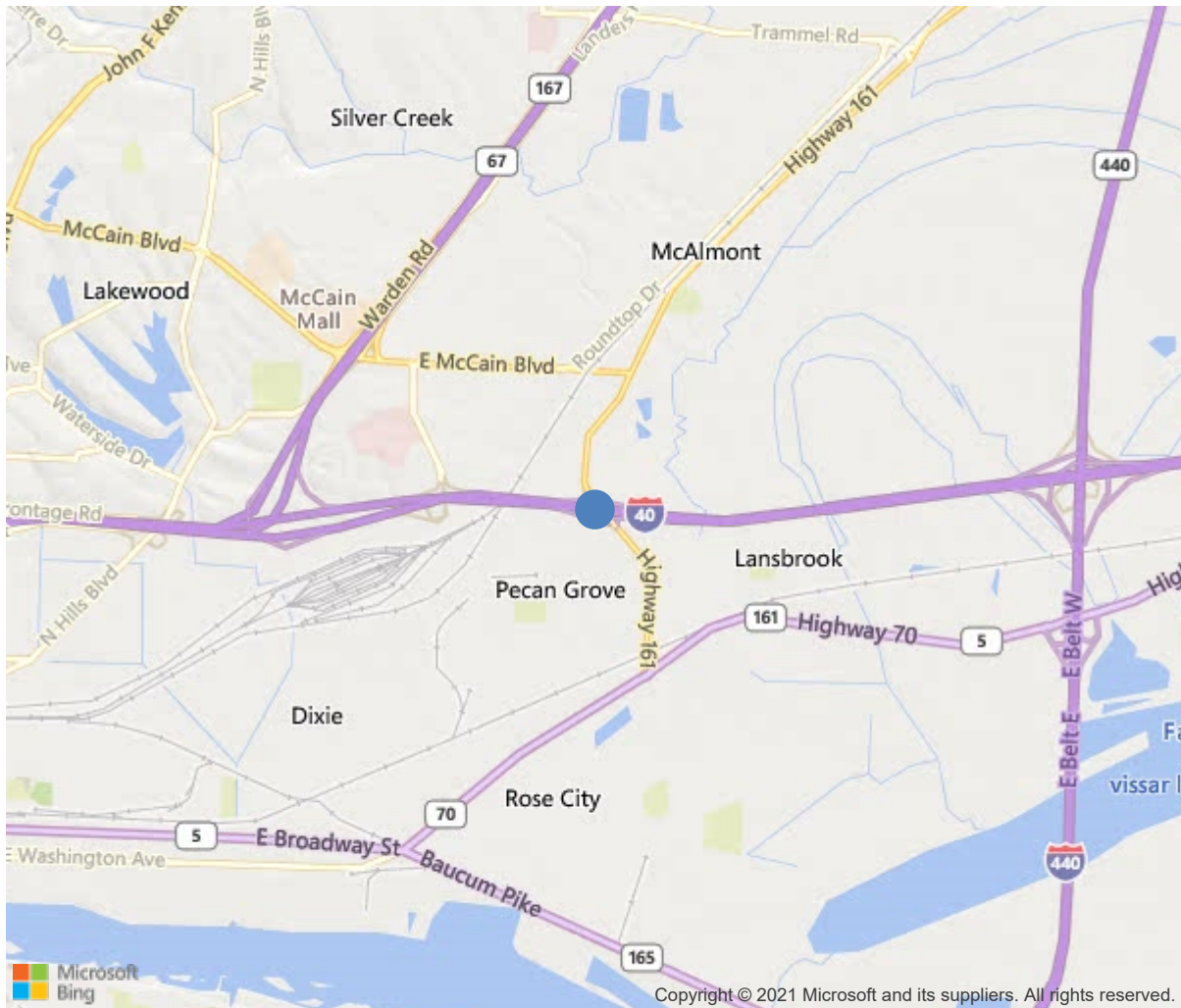
Arnold Road ID:60x40x33xA, Arnold Log mile:156.444

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 47940 - NORTH LITTLE ROCK

1.5 Mi E of SH 67



34.77878, -92.20381



Bridge #B6821(Routine)

I-40 EB Log 156.52 over SH 161

Location: 1.5 Mi E of SH 67

Team Lead: Keith Harris Inspection Date: August 04, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6821
(5) Inventory Route	40
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	47940
(6) Features Intersected	SH 161
(7) Facility Carried	I-40 EB Log 156.52
(9) Location	1.5 Mi E of SH 67
(11) Mile Point	156.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000040330
(16) Latitude	34.77878
(17) Longitude	-92.20381
(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	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0-None (no additional concrete thickness o
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2002
(106) Year Reconstructed	0
(42) Type of Service	61
On	6-Overpass structure at an interchange or secon
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	46000
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	75 ft
(49) Structure Length	255 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	56.1 ft
(52) Deck Width Out to Out	58.8 ft
(32) Approach Roadway Width (W/Shoulders)	56.1 ft
(33) Bridge Median	0-No median
(34) Skew	45 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	57.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99 ft
(54) Min Vert Underclear	16.42 ft
Ref:	
(55) Min Lat Underclear RT	14.5 ft
Ref:	
(56) Min Lat Underclear LT	6.5 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(111) Pier Protection	5-None present but re-evaluation
(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	11-Urban Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	R-The right structure of paralle
(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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	8
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 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	4
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	7
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	N-Bridge not over waterway.
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	20739
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/2020
(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.			





Bridge #B6821(Routine)

I-40 EB Log 156.52 over SH 161

Location: 1.5 Mi E of SH 67

Team Lead: Keith Harris, Inspection Date: August 04, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	14868	13826	1042	0	0
1120	Efflorescence/Rust Staining	SF	172	0	172	0	0
1130	Cracking (RC and Other)	SF	870	0	870	0	0
(12)	Deck all spans transverse and longitudinal cracks All span has efflorescence on soffit between beam 4&5						
107	Steel Open Girder/Beam	LF	2016	2016	0	0	0
515	Steel Protective Coating	SF	17808	0	17808	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	17808	0	17808	0	0
205	Reinforced Concrete Column	EA	12	12	0	0	0
215	Reinforced Concrete Abutment	LF	166	160	6	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
234	Reinforced Concrete Pier Cap	LF	238	238	0	0	0
300	Strip Seal Expansion Joint	LF	158	88	70	0	0
2350	Debris Impaction	LF	70	0	70	0	0
(300)	Joints at bents 1&5 have debris impaction on shoulders						
310	Elastomeric Bearing	EA	40	40	0	0	0
321	Reinforced Concrete Approach Slab	SF	6400	6220	180	0	0
1130	Cracking (RC and Other)	SF	180	0	180	0	0
331	Reinforced Concrete Bridge Railing	LF	504	438	66	0	0
1130	Cracking (RC and Other)	LF	66	0	66	0	0



Approach



Span 2 soffit view efflorescence between beams 4&5





Deck overview



Span 3 unsealed transverse cracks



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**I-40 EB Log 156.52 over SH 161**  
**Location: 1.5 Mi E of SH 67**

**Team Lead:** Keith Harris **Inspection Date:** August 04, 2020

#### **Inspection Comments**

See Job #60105 drawing #41811 for layout. Logged East bound.