



Latitude:34.77789, Longitude:-92.19028

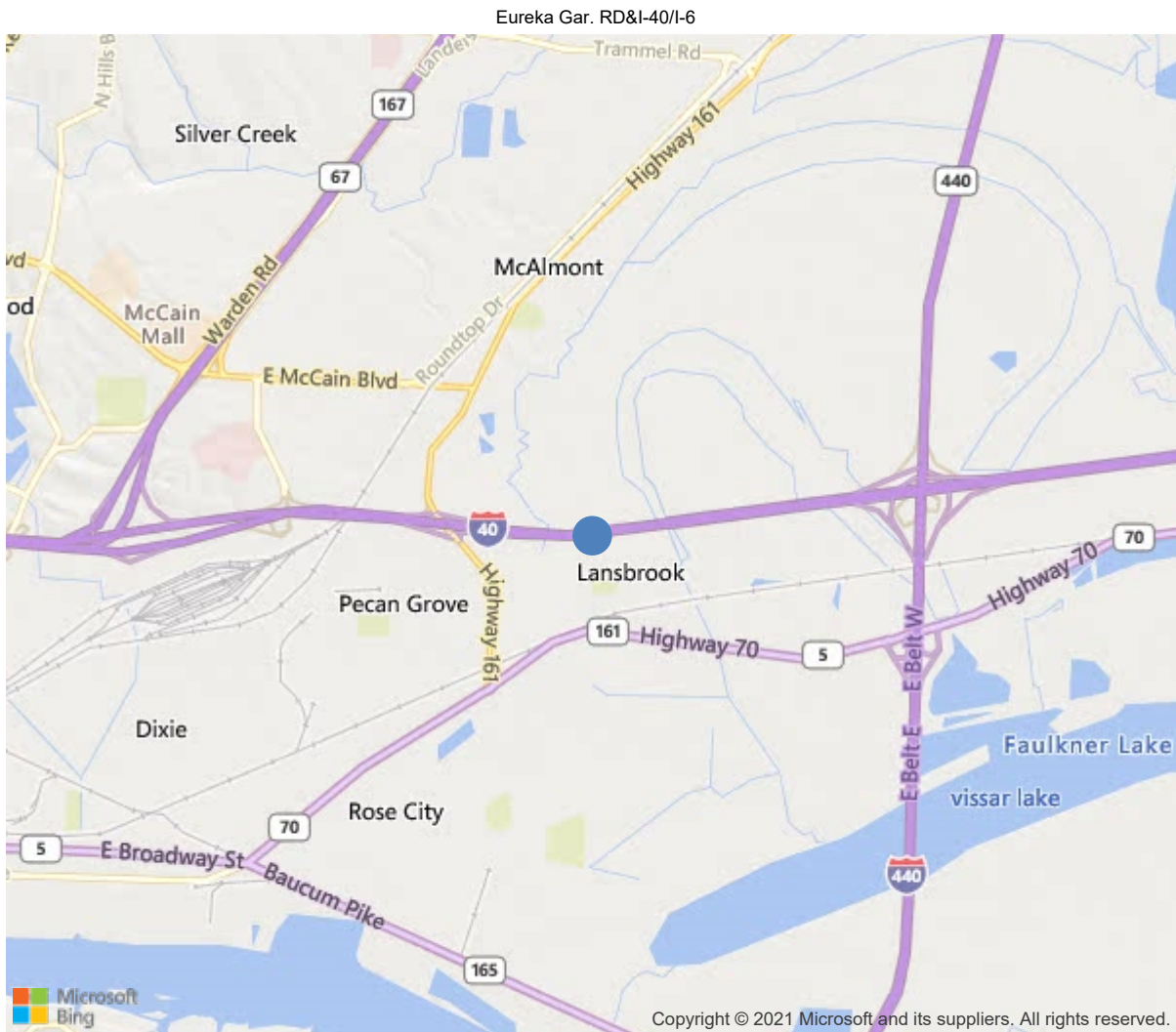
Route:18970 Section:00 Log:1.23

Arnold Road ID:60xEUREKAGARDENS RDx1xA, Arnold Log mile:0.461

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 47940 - NORTH LITTLE ROCK



34.77789, -92.19028



Bridge #03195(Routine)

EUREKA GARDEN RD over I-40 LOG 157.29

Location: Eureka Gar. RD&I-40/I-6

Team Lead: Shane Byrd Inspection Date: July 23, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03195
(5) Inventory Route	18970
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	47940
(6) Features Intersected	I-40 LOG 157.29
(7) Facility Carried	EUREKA GARDEN RD
(9) Location	Eureka Gar. RD&I-40/I-6
(11) Mile Point	1.23 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.77789
(17) Longitude	-92.19028
(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	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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1962
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	1633
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	66 ft
(49) Structure Length	216 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	31.7 ft
(32) Approach Roadway Width (W/Shoulders)	22 ft
(33) Bridge Median	0-No median
(34) Skew	8 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	29.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	15.83 ft
Ref:	
(55) Min Lat Underclear RT	8 ft
Ref:	
(56) Min Lat Underclear LT	30 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	17-Urban 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	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	N
(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	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	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	3
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(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	2117
(115) Year of Future ADT	2007

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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**Location: Eureka Gar. RD&I-40/I-6**

**Team Lead: Shane Byrd, Inspection Date: July 23, 2019**

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6696	1849	4204	643	0
1130	Cracking (RC and Other)	SF	1607	0	964	643	0
1190	Abrasion/Wear (PSC/RC)	SF	3240	0	3240	0	0
(12)	Transverse unsealed cracks in all spans. 0.070 inch max. Soffit- hairline transverse cracks.						
107	Steel Open Girder/Beam	LF	1070	535	535	0	0
1000	Corrosion	LF	535	0	535	0	0
515	Steel Protective Coating	SF	9321	140	0	9181	0
3410	Chalking (Steel Protective Coatings)	SF	6681	0	0	6681	0
3420	Peeling/Bubbling/Cracking	SF	2500	0	0	2500	0
(107)	All beams have areas of freckling rust on flanges and webs.						
205	Reinforced Concrete Column	EA	6	1	0	5	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
1090	Exposed Rebar	EA	4	0	0	4	0
(205)	Both columns at bent 2 have Spalls with exposed rebar. Bent 3, left column has a delam and the right column has Spalls with exposed rebar. Bent 4, left column has Spalls with exposed rebar.						
215	Reinforced Concrete Abutment	LF	67	67	0	0	0
234	Reinforced Concrete Pier Cap	LF	86	84	0	2	0
1090	Exposed Rebar	LF	2	0	0	2	0
(234)	Bent 2, bottom of cap spall exposed rebar. Bent 3, back side, spall with exposed rebar.						
303	Assembly Joint with Seal	LF	158	158	0	0	0
311	Movable Bearing	EA	20	0	0	20	0
1000	Corrosion	EA	20	0	0	20	0
(311)	All of the bearings have active rust.						
313	Fixed Bearing	EA	20	0	0	20	0



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1000 (313)	Corrosion  All of the bearings have active rust.	EA	20	0	0	20	0
330	Metal Bridge Railing	LF	432	432	0	0	0
331	Reinforced Concrete Bridge Railing	LF	432	432	0	0	0





Span 2 soffit overview.



Approach Northbound.





Bent 3 cap back has spall with exposed rebar.



Bent 3 column 2 has spalls with exposed rebar.





Deck overview.



Bent 2 column 2 has spall with exposed rebar. Common column 1.





Bent 4 column 1 has spalls with exposed rebar.



Deck span 4 has large unsealed transverse cracks. Common all spans.



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**Inspection Comments**

AHTD Job 6637, 9795 for layout.

Form IIIB linked.

logged south to north.