



Latitude:34.77926, Longitude:-92.17756

Route:638 Section:00 Log:1.379

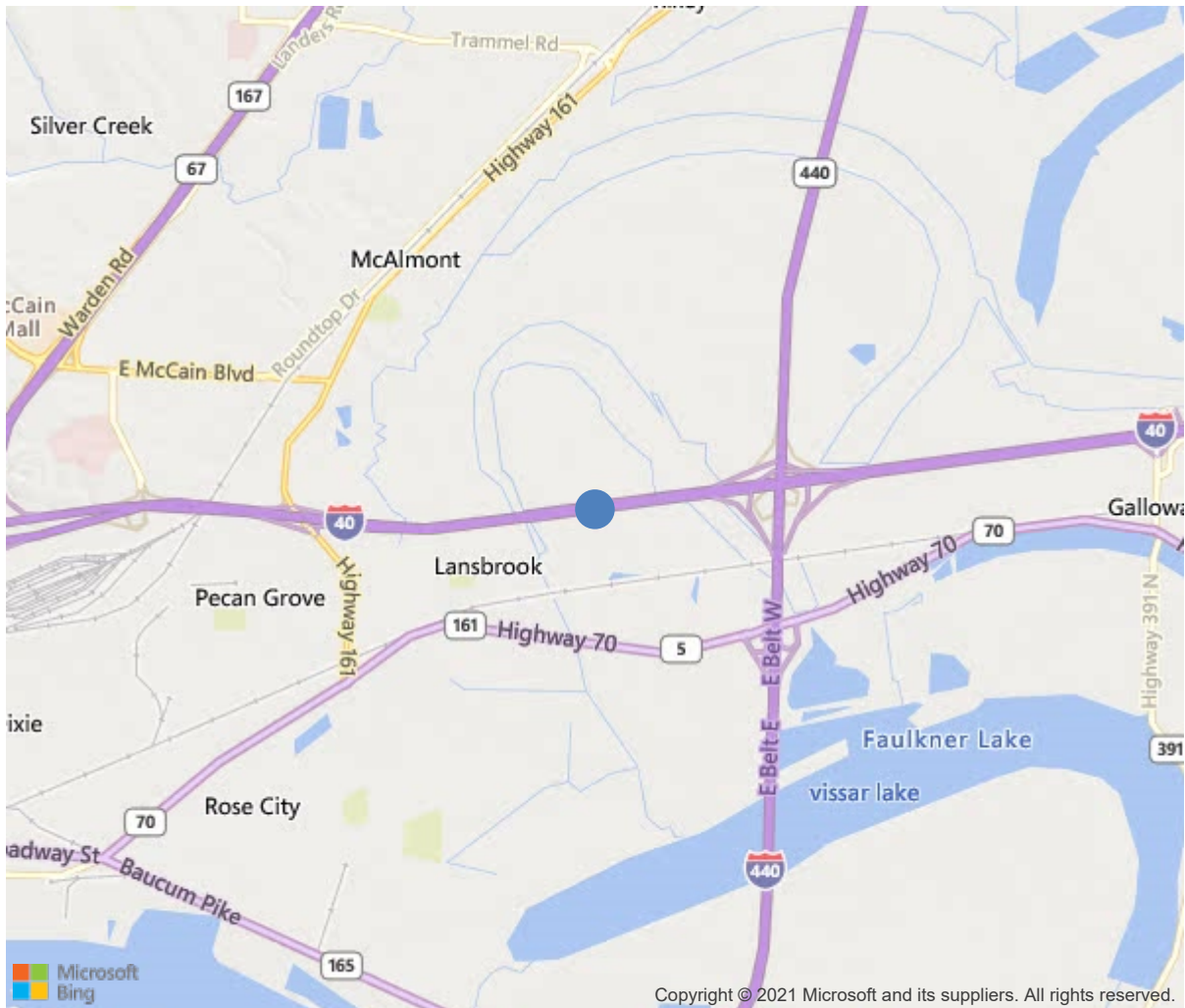
Arnold Road ID:60xCENTRALAIRPORTRDx1xA, Arnold Log mile:1.362

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 47940 - NORTH LITTLE ROCK

1 MI E OF SH 161 (I-6)



Copyright © 2021 Microsoft and its suppliers. All rights reserved.

34.77926, -92.17756



Bridge #03269(Routine)
Central Airport Rd over I-40 LOG 158.02
Location: 1 MI E OF SH 161 (I-6)

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03269
(5) Inventory Route	638
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	47940
(6) Features Intersected	I-40 LOG 158.02
(7) Facility Carried	Central Airport Rd
(9) Location	1 MI E OF SH 161 (I-6)
(11) Mile Point	1.379 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.77926
(17) Longitude	-92.17756
(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	1959
(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	73
(30) Year of ADT	1987
(109) Truck ADT	99 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	66 ft
(49) Structure Length	209 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	20 ft
(52) Deck Width Out to Out	24.6 ft
(32) Approach Roadway Width (W/Shoulders)	18 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	22.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.17 ft
Ref:	
(55) Min Lat Underclear RT	9.3 ft
Ref:	
(56) Min Lat Underclear LT	27.8 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	1
(26) Functional Class	9-Rural Local
(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	5
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	54
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	33
(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	5
(69) Clearances, Vertical/Horizontal	3
(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	0-Inspected feature does not meet cur
(113) Scour Critical Bridges	N-Bridge not over waterway.
PROPOSED IMPROVEMENTS	
(75) Type of Work	Bridge deck rehabilitation wit
(76) Length of Structure Improvement	209 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 51
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	95
(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.			



Bridge #03269(Routine)
Central Airport Rd over I-40 LOG 158.02
Location: 1 MI E OF SH 161 (I-6)

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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5256	4257	977	22	0
1080	Delamination/Spall/Patched Area	SF	427	0	413	14	0
1090	Exposed Rebar	SF	8	0	0	8	0
1130	Cracking (RC and Other)	SF	344	0	344	0	0
1190	Abrasion/Wear (PSC/RC)	SF	220	0	220	0	0
(12)	Spans 1 and 3 have patched areas. The right lane of span 1, state forces have placed a epoxy sand mix to seal deck. Approx. 243 sf. See photo. Span 2 has areas of spalls in the left lane. See photo. All spans have transverse cracks, max 0.035. and some abrasion.						
107	Steel Open Girder/Beam	LF	832	638	166	28	0
1000	Corrosion	LF	194	0	166	28	0
515	Steel Protective Coating	SF	5980	0	2936	2936	108
3410	Chalking (Steel Protective Coatings)	SF	0	0	0	0	0
3420	Peeling/Bubbling/Cracking	SF	0	0	0	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	5980	0	2936	2936	108
(107)	Beam ends at upper web have active rust with pitting. Beams have freckled rust.						
205	Reinforced Concrete Column	EA	6	3	0	3	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
1090	Exposed Rebar	EA	2	0	0	2	0
(205)	Bent 2, left and right col. has Spalls with exposed rebar.						
215	Reinforced Concrete Abutment	LF	60	60	0	0	0
234	Reinforced Concrete Pier Cap	LF	66	48	1	17	0
1080	Delamination/Spall/Patched Area	LF	10	0	0	10	0
1090	Exposed Rebar	LF	7	0	0	7	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(234)	Bent 2, back side, delams, and vertical crack. Ahead side delam. Bent 3, ahead side, Spalls with exposed rebar. Bent 4, ahead side, Spalls with exposed rebar and delamination.						
303	Assembly Joint with Seal	LF	125	125	0	0	0

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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
311	Movable Bearing	EA	16	0	0	16	0
1000	Corrosion	EA	16	0	0	16	0
(311)	Bearings have pack rust, and pitting.						
313	Fixed Bearing	EA	16	0	0	16	0
1000	Corrosion	EA	16	0	0	16	0
(313)	Bearings have pack rust, and pitting.						
330	Metal Bridge Railing	LF	421	421	0	0	0
331	Reinforced Concrete Bridge Railing	LF	421	221	200	0	0
1130	Cracking (RC and Other)	LF	200	0	200	0	0
(331)	cracking in curb of wall, left and right side.						



Deck overview.



Bent 2 cap ahead has delam.



Bent 3 cap ahead has spall with exposed rebar.



Deck span 2 has spall.



Approach Northbound.



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



Bent 4 cap ahead has spalls with exposed rebar.



Span 3 soffit overview.



Bridge #03269(Routine)

Central Airport Rd over I-40 LOG 158.02

Location: 1 MI E OF SH 161 (I-6)

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

Inspection Comments

AHTD Job 6639, 10217 for layout.

Form IIIB linked.

Logged Northbound.