



Latitude:34.79128, Longitude:-92.05908

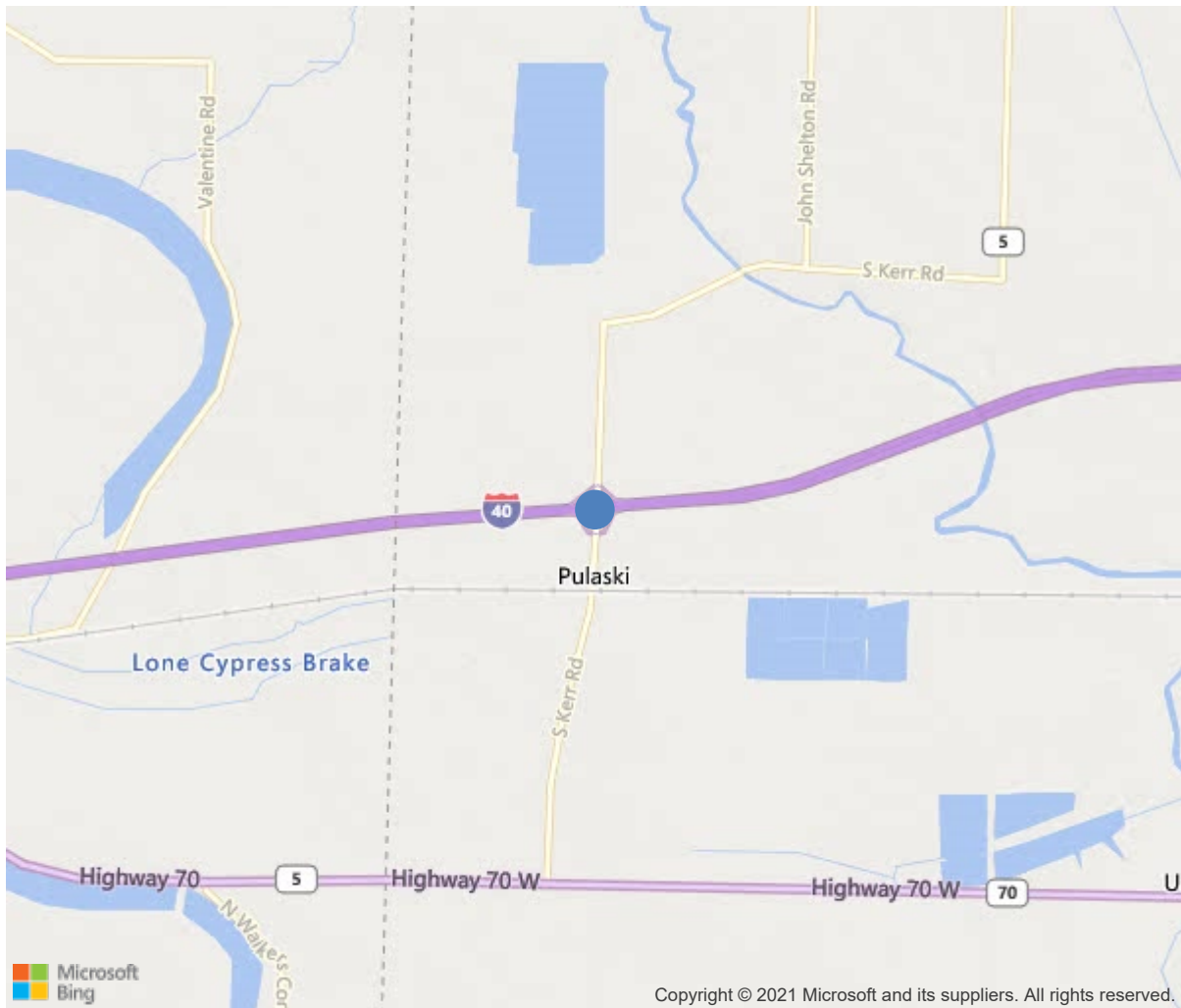
Route:61 Section:00 Log:1.909

Arnold Road ID:43xSKERRRDx1xA, Arnold Log mile:5.031

District 06, Lonoke County

Owner: 1-State Highway Agency

I-40 Log 164.81



34.79128, -92.05908



Bridge #03222(Routine)

CR 61 KERR RD over I-40 LOG 164.81

Location: I-40 Log 164.81

Team Lead: Keith Harris Inspection Date: May 06, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03222
(5) Inventory Route	61
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-40 LOG 164.81
(7) Facility Carried	CR 61 KERR RD
(9) Location	I-40 Log 164.81
(11) Mile Point	1.909 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.79128
(17) Longitude	-92.05908
(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	1963
(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	280
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	68 ft
(49) Structure Length	210 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	28.6 ft
(32) Approach Roadway Width (W/Shoulders)	26.9 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	26.6 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.08 ft
Ref:	
(55) Min Lat Underclear RT	8.2 ft
Ref:	
(56) Min Lat Underclear LT	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	0
(26) Functional Class	7-Rural Major 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	4
(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	32
(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	7
(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	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	153
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date			05/2021
(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	Yes		05/2020
* 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 #03222(Routine)

CR 61 KERR RD over I-40 LOG 164.81

Location: I-40 Log 164.81

Team Lead: Keith Harris, Inspection Date: May 06, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5990	1501	3621	868	0
1080	Delamination/Spall/Patched Area	SF	1184	0	749	435	0
1090	Exposed Rebar	SF	29	0	0	29	0
1120	Efflorescence/Rust Staining	SF	210	0	210	0	0
1130	Cracking (RC and Other)	SF	512	0	512	0	0
1190	Abrasion/Wear (PSC/RC)	SF	2554	0	2150	404	0
(12)	Deck all spans have spalls and spalls filled with asphalt. The deck has approximately 749 sq ft of patches. State forces have sealed the deck cracks but most cracks reflect thru to the soffit with some rust stains and effloresces.						
107	Steel Open Girder/Beam	LF	1040	0	845	195	0
1000	Corrosion	LF	1040	0	845	195	0
515	Steel Protective Coating	SF	7706	0	3517	3215	974
3440	Effectiveness (Steel Protective Coatings)	SF	7706	0	3517	3215	974
(107)	All beams have freckled rust. Active corrosion is present on the beam ends at the joints and scattered areas on the top and bottom flanges.						
205	Reinforced Concrete Column	EA	6	1	3	2	0
1080	Delamination/Spall/Patched Area	EA	3	0	3	0	0
1090	Exposed Rebar	EA	2	0	0	2	0
(205)	Bent 2, right column has a spall with exposed rebar at the bottom. Bent 3 left column has a spall with rebar near the top. Bent 4 right column has a spall on the east side.						
215	Reinforced Concrete Abutment	LF	77	47	21	9	0
1080	Delamination/Spall/Patched Area	LF	12	0	12	0	0
1090	Exposed Rebar	LF	9	0	0	9	0
1130	Cracking (RC and Other)	LF	9	0	9	0	0
(215)	Spalls with exposed rebar on the face of the back wall of bent 1. Bent 5 has a delamination on the face of the beam seat.						
234	Reinforced Concrete Pier Cap	LF	72	64	8	0	0
1090	Exposed Rebar	LF	7	0	7	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0





Bridge #03222(Routine)  
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Location: I-40 Log 164.81

Team Lead: Keith Harris, Inspection Date: May 06, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(234) Bent 2 ahead face has a small spall with exposed rebar. Bent 3 has some small spalls with rebar on the bottom near the right column. Bent 4 has a spall with exposed rebar on the back side at column 2 and on the bottom of the left end.							
305	Assembly Joint without Seal	LF	120	120	0	0	0
311	Movable Bearing	EA	20	0	20	0	0
1000	Corrosion	EA	20	0	20	0	0
(311) All bearings have active corrosion.							
313	Fixed Bearing	EA	20	0	20	0	0
1000	Corrosion	EA	20	0	20	0	0
(313) All bearings have active corrosion.							
330	Metal Bridge Railing	LF	420	411	6	3	0
7000	Damage	LF	9	0	6	3	0
(330) Left bridge rail in span 2 has traffic damage							
331	Reinforced Concrete Bridge Railing	LF	420	319	101	0	0
1090	Exposed Rebar	LF	9	0	9	0	0
1130	Cracking (RC and Other)	LF	64	0	64	0	0
7000	Damage	LF	28	0	28	0	0



Approach



Deck overview





Span 3 under view



Bent 5 large delam in center of abutment

## Maintenance Needs

**Date Reported:** 05/22/2012  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Assigned  
**Component:**

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## Deficiency Description

All beams have active rust with minor section loss in haunch area.

## Remarks

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Span 1 beam 1 active rust with moderate pitting at upper web.



Span 1, girder 1: the beam end has flaking paint and active corrosion with areas of measurable section loss near the haunch





Span 1 beam 1 active corrosion



Span 1 beam 1 active corrosion



Span 1 beam 1 active corrosion

**Date Reported:** 05/01/2018  
**Priority:** B - Pressing; 6 month completion goal  
**Type of Work:** Repair  
**Status:** Assigned  
**Component:**

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**Deficiency Description**

Deck spans 1, 2 & 3 have multiple open spalls with exposed rebar and spalls filled with asphalt.

**Remarks**

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Span 3: multiple large spalls with exposed rebar and spalls with asphalt patches



Span 2 has spall in deck.





Span 1,northbound lane: large spall with exposed rebar



Span 3 has spalls and spalls filled with asphalt.





Span 1: large open spall and asphalt patches.



Span 3: numerous open spalls and asphalt patches.



Span 1



Span 2 multiple large spalls with exposed rebar  
and spalls with asphalt patches





Span 3 multiple large spalls with exposed rebar  
and spalls with asphalt patches

**Date Reported:** 05/06/2019  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Component:**

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### Deficiency Description

Bent 2, right column has a spall with exposed rebar at the bottom.  
Bent 3 left column has a spall with rebar near the top.  
Bent 4 right column has a spall on the east side.

### Remarks

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Bent 2, column 2: spall with exposed rebar



Large spall with exposed rebar on right column at bent 2



**Date Reported:** 05/10/2021

**Priority:** D- Routine

**Type of Work:** Repair

**Status:** Open

**Component:**

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**Deficiency Description**

Slope paving under left side of span 1 is undermined from erosion.

**Remarks**

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Slope paving under left side of span 1 is undermined from erosion.



Slope paving under left side of span 1 is undermined from erosion.



Slope paving under left side of span 1 is undermined from erosion.



Slope paving under left side of span 1 is undermined from erosion.



Slope paving under left side of span 1 is undermined from erosion.



Slope paving under left side of span 1 is undermined from erosion.



**Bridge #03222(Routine)**

**CR 61 KERR RD over I-40 LOG 164.81**

**Location: I-40 Log 164.81**

**Team Lead:** Keith Harris **Inspection Date:** May 06, 2021

**Inspection Comments**

Job # 6680 drawing # 9971 for layout

Form IIIB revised 5/17/17

Logged North bound.