



Latitude:34.79988, Longitude:-91.84197

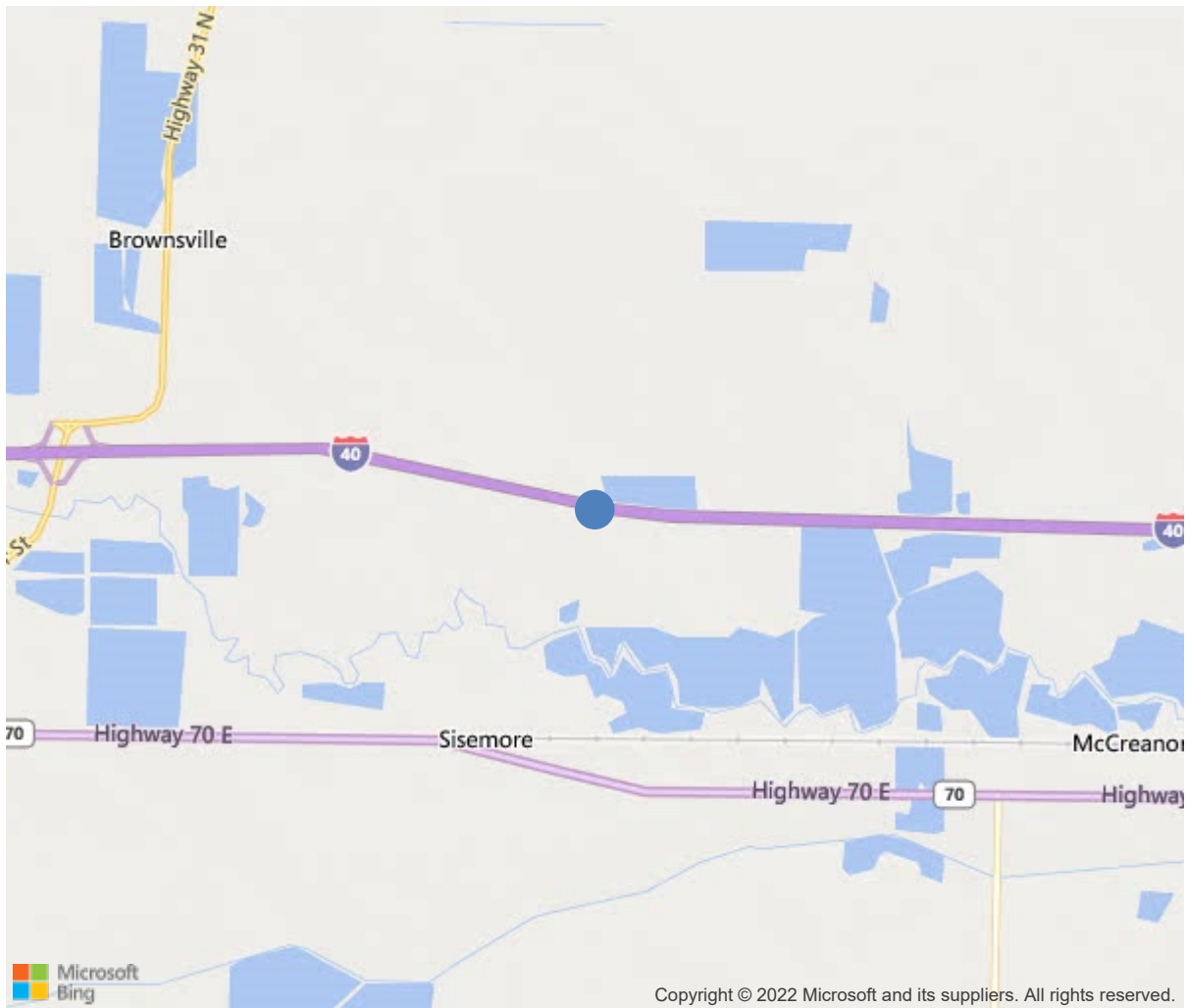
Route:313 Section:00 Log:1.42

Arnold Road ID:43xLILLYRDx1xA, Arnold Log mile:0.103

District 06, Lonoke County

Owner: 1-State Highway Agency

2.71 MI E JCT I-40 & SH31



34.79988, -91.84197

Inspection Direction : S to N



Bridge #03652(Routine)

CR 313 Lilly Rd over I-40 LOG 177.29

Location: 2.71 MI E JCT I-40 & SH31

Team Lead: Keith Harris Inspection Date: April 27, 2022

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03652
(5) Inventory Route	313
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-40 LOG 177.29
(7) Facility Carried	CR 313 Lilly Rd
(9) Location	2.71 MI E JCT I-40 & SH31
(11) Mile Point	1.42 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.799881
(17) Longitude	-91.841972
(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	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	153
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	67 ft
(49) Structure Length	215 ft
(50) Curb or Sidewalk Width	
Left	1.1 ft
Right	1.1 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)	23 ft
(33) Bridge Median	0-No median
(34) Skew	11 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	20 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.5 ft
Ref:	
(55) Min Lat Underclear RT	9.7 ft
Ref:	
(56) Min Lat Underclear LT	7.7 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	6
(59) Superstructure	7
(60) Substructure	6
(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	48
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	29
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	4
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(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	Widening of existing bridge or
(76) Length of Structure Improvement	216 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 131
(96) Total Project Cost	\$ 223
(97) Year of Improvement Cost Estimate	2002
(114) Future ADT	101
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date			04/2022
(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 #03652(Routine)

CR 313 Lilly Rd over I-40 LOG 177.29

Location: 2.71 MI E JCT I-40 & SH31

Team Lead: Keith Harris, Inspection Date: April 27, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4587	923	3424	240	0
1080	Delamination/Spall/Patched Area	SF	9	0	9	0	0
1130	Cracking (RC and Other)	SF	755	0	515	240	0
1190	Abrasion/Wear (PSC/RC)	SF	2900	0	2900	0	0
(12)	Unsealed transverse cracks on 3 to 5 foot centers. 0.035 inch avg. Areas of light abrasion/wear in all spans Scattered small spalls along top flanges						
107	Steel Open Girder/Beam	LF	852	715	137	0	0
1000	Corrosion	LF	135	0	135	0	0
7000	Damage	LF	2	0	2	0	0
515	Steel Protective Coating	SF	6313	0	6132	46	135
3420	Peeling/Bubbling/Cracking	SF	46	0	0	46	0
3440	Effectiveness (Steel Protective Coatings)	SF	6267	0	6132	0	135
(107)	HBM repainted the beams in 2007. Small areas of active rust on the top flange of beams 1 & 4. Small areas of peeling paint at the beam ends. Span 2, beams 1& 4 have impact damage to the bottom flange.						
205	Reinforced Concrete Column	EA	6	2	4	0	0
1090	Exposed Rebar	EA	4	0	4	0	0
(205)	Bent 2 right column exposed rebar. Bent 3, both columns small spalls with exposed rebar. Bent 4, left column small spall with exposed rebar.						
215	Reinforced Concrete Abutment	LF	57	57	0	0	0
234	Reinforced Concrete Pier Cap	LF	60	51	9	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	7	0	7	0	0
(234)	Bent 4 ahead face, spall with exposed rebar. Bent 3 back face has a spall with exposed rebar and crack across the top.						
303	Assembly Joint with Seal	LF	123	123	0	0	0

**Team Lead:** Keith Harris, **Inspection Date:** April 27, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
311	Movable Bearing	EA	16	16	0	0	0
313	Fixed Bearing	EA	16	16	0	0	0
330	Metal Bridge Railing	LF	430	305	125	0	0
7000 (330)	Damage Scrapes and gouges on metal rail	LF	125	0	125	0	0
331	Reinforced Concrete Bridge Railing	LF	430	403	27	0	0
1080	Delamination/Spall/Patched Area	LF	6	0	6	0	0
1130 (331)	Cracking (RC and Other) Span 4 left side has spall and delam due to impact.	LF	21	0	21	0	0
Span 4: left concrete rail has been repaired 4/9/2020							





Elevation



Deck overview





Span 2 soffit view



Approach



Typical paint condition



## Maintenance Needs

**Date Reported:** 04/29/2014  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Inspection Direction** S to N  
**Component:**

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### Deficiency Description

Deck has unsealed cracks up to 0.040 inch wide.

### Remarks

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Deck has unsealed cracks up to 0.040 inch wide.



Span 4 deck cracking up to .040"

**Date Reported:** 04/27/2022  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Open  
**Inspection Direction** S to N  
**Component:** Miscellaneous

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**Deficiency Description**

Large voids under Slope pavement at both abutments.

**Remarks**

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Void under slope paving on south abutment





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Team Lead: Keith Harris Inspection Date: April 27, 2022

Date Reported: 04/27/2022  
Priority: C - Important  
Type of Work: Repair  
Status: Open  
Inspection Direction S to N  
Component: Approach

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#### Deficiency Description

Large Void under approach roadway at south abutment causing the approach roadway to settle

#### Remarks

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**Bridge #03652**(Routine)  
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**Location: 2.71 MI E JCT I-40 & SH31**

**Team Lead:** Keith Harris **Inspection Date:** April 27, 2022

**Date Reported:** 04/27/2022  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Clean  
**Status:** Open  
**Inspection Direction** S to N  
**Component:** Bridge

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**Deficiency Description**

Graffiti on both bridge rails

**Remarks**

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**Location: 2.71 MI E JCT I-40 & SH31**

**Team Lead: Keith Harris Inspection Date: April 27, 2022**

**Inspection Comments**

Job #6686, Drawing #11991 for layout.

Form IIIB attached.

Logged Northbound.