



Latitude:34.81774, Longitude:-91.63918

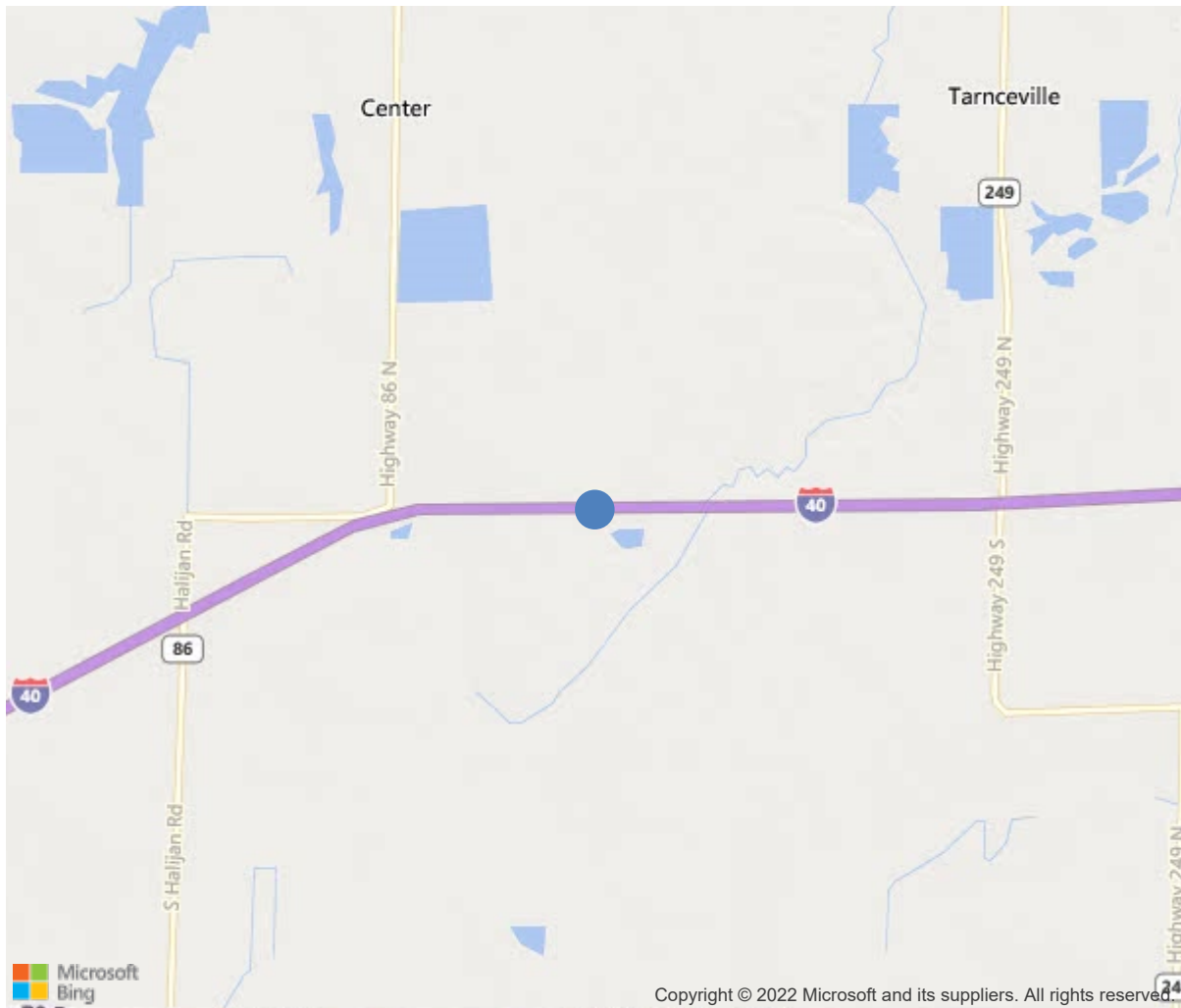
Route:11 Section:00 Log:11.388

Arnold Road ID:59xSANDERSONRDx0xA, Arnold Log mile:0.02

District 06, Prairie County

Owner: 1-State Highway Agency

JCT I-40 & CO.RD.11



34.81774, -91.63918

Inspection Direction : S to N



Bridge #03671(Routine)

CR 11-E Anderson over I-40 LOG 189.10

Location: JCT I-40 & CO.RD.11

Team Lead: Keith Harris Inspection Date: April 19, 2022

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03671
(5) Inventory Route	11
(2) Highway Agency District	06
(3) County Code	117-Prairie County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-40 LOG 189.10
(7) Facility Carried	CR 11-E Anderson
(9) Location	JCT I-40 & CO.RD.11
(11) Mile Point	11.388 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.81774
(17) Longitude	-91.63918
(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	1965
(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	263
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	66 ft
(49) Structure Length	212 ft
(50) Curb or Sidewalk Width	
Left	1.1 ft
Right	1.1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	28.5 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	24 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	15.92 ft
Ref:	
(55) Min Lat Underclear RT	9.5 ft
Ref:	
(56) Min Lat Underclear LT	7.8 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	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	6
(59) Superstructure	7
(60) Substructure	7
(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	49
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	30
(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	3
(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	
(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	183
(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 #03671 (Routine)

CR 11-E Anderson over I-40 LOG 189.10

Location: JCT I-40 & CO.RD.11

Team Lead: Keith Harris, Inspection Date: April 19, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5370	4083	1102	185	0
1080	Delamination/Spall/Patched Area	SF	18	0	18	0	0
1090	Exposed Rebar	SF	4	0	4	0	0
1130	Cracking (RC and Other)	SF	1265	0	1080	185	0
(12)	Unsealed transverse cracks on 1 to 3 foot centers. 0.030 to 0.060 inch width. Some reflect to the bottom of the deck with staining. Span 2 has small spall in the south bound lane. Scattered Small spalls on soffit of along top flange.						
107	Steel Open Girder/Beam	LF	1050	585	465	0	0
1000	Corrosion	LF	465	0	465	0	0
515	Steel Protective Coating	SF	7161	4506	1790	865	0
3440	Effectiveness (Steel Protective Coatings)	SF	2655	0	1790	865	0
(107)	HBM repainted the beams 10-3-2006. Scattered freckled rust on the bottom flange and areas of rust on the edge of top flange at soffit.						
205	Reinforced Concrete Column	EA	6	5	1	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
(205)	Bent 2, right column has a delam at the top						
215	Reinforced Concrete Abutment	LF	74	74	0	0	0
234	Reinforced Concrete Pier Cap	LF	81	73	8	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1090	Exposed Rebar	LF	6	0	6	0	0
(234)	Exposed rebar at Bent 3, back side and ahead side. Bent 3 cap back side delam. Exposed rebar at Bent 4, ahead side left end. Bent 4 exposed rebar on cap left end. Bent 4 cap delam on ahead face.						
303	Assembly Joint with Seal	LF	143	143	0	0	0
311	Movable Bearing	EA	20	10	10	0	0
1000	Corrosion	EA	10	0	10	0	0
313	Fixed Bearing	EA	20	20	0	0	0
330	Metal Bridge Railing	LF	424	424	0	0	0

**Team Lead:** Keith Harris, **Inspection Date:** April 19, 2022

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
331	Reinforced Concrete Bridge Railing	LF	424	391	33	0	0
1130	Cracking (RC and Other)	LF	33	0	33	0	0
(331)							
Concrete bridge railing has scattered cracks.							





Elevation



Approach





Soffit view



Deck overview





Span 1 small spalls along top flange



Bent 4 exposed rebar on ahead face



## Maintenance Needs

**Date Reported:** 05/15/2012  
**Priority:** C - Important  
**Type of Work:** None  
**Status:** Monitor  
**Inspection Direction** S to N  
**Component:** Deck

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### Deficiency Description

Deck has large unsealed cracks up to 0.060 inch wide at 1 foot intervals.

### Remarks

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Deck: entire deck surface has multiple unsealed transverse deck cracks. Also, the deck surface has significant amount of wear.



Span 1 Deck has large unsealed cracks up to 0.060 inch wide at 1 foot intervals.



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**Team Lead:** Keith Harris **Inspection Date:** April 19, 2022

### **Inspection Comments**

Job #6716, drawing #12034 for layout. Form IIIB attached.

Logged Northbound.