



Latitude:34.80325, Longitude:-91.95002

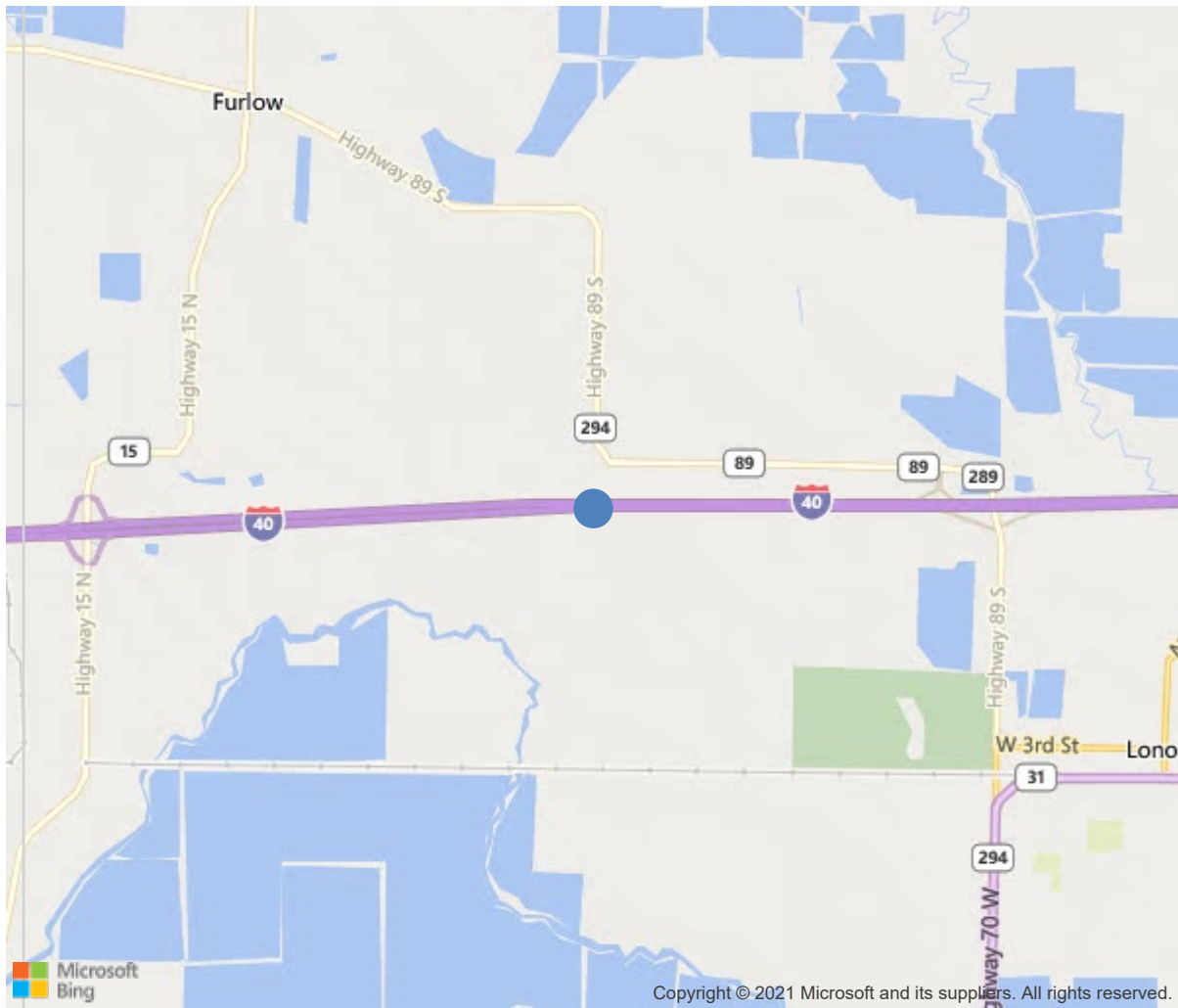
Route:731 Section:00 Log:3.619

Arnold Road ID:43xDESLAURIERSRDx2xA, Arnold Log mile:0.279

District 06, Lonoke County

Owner: 1-State Highway Agency

2.5 Mi. E. of SH 15



34.80325, -91.95002



Bridge #03225(Routine)
CR 731DesLauriers over I-40 LOG 171.16

Location: 2.5 Mi. E. of SH 15

Team Lead: Keith Harris Inspection Date: July 20, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03225
(5) Inventory Route	731
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-40 LOG 171.16
(7) Facility Carried	CR 731DesLauriers
(9) Location	2.5 Mi. E. of SH 15
(11) Mile Point	3.619 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.80325
(17) Longitude	-91.95002
(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	12
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	73 ft
(49) Structure Length	226 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	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	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	22 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.33 ft
Ref:	
(55) Min Lat Underclear RT	8.7 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	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	7
(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	46
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	28
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(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	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 rehabilitation because
(76) Length of Structure Improvement	226 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 249
(97) Year of Improvement Cost Estimate	1994
(114) Future ADT	28
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date			07/2020
(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 #03225(Routine)
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Location: 2.5 Mi. E. of SH 15

Team Lead: Keith Harris, Inspection Date: July 20, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6160	5155	945	60	0
1130	Cracking (RC and Other)	SF	1005	0	945	60	0
(12)	Unsealed transverse crack in all spans up to 0.020" wide						
107	Steel Open Girder/Beam	LF	896	896	0	0	0
515	Steel Protective Coating	SF	7347	7297	50	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	50	0	50	0	0
(107)	Spans 2 and 3 have freckling rust on bottom flanges						
205	Reinforced Concrete Column	EA	6	4	1	1	0
1090	Exposed Rebar	EA	2	0	1	1	0
(205)	Bent 3 column 2 bent 4 column 2 have spalls with exposed rebar.						
215	Reinforced Concrete Abutment	LF	59	55	4	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
234	Reinforced Concrete Pier Cap	LF	66	65	1	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
305	Assembly Joint without Seal	LF	126	126	0	0	0
311	Movable Bearing	EA	16	16	0	0	0
313	Fixed Bearing	EA	16	16	0	0	0
330	Metal Bridge Railing	LF	453	453	0	0	0
331	Reinforced Concrete Bridge Railing	LF	453	421	32	0	0
1130	Cracking (RC and Other)	LF	32	0	32	0	0



Soffit view



Bent 4 column 2 spall with exposed rebar



Bent 3 column 2 spall with exposed rebar



Deck overview



Span 4 longitudinal cracks up to 0.015"



Approach

Maintenance Needs

Date Reported: 08/09/2012
Priority: D- Routine
Type of Work: None
Status: Repair Documented
Component:

Deficiency Description

Both approach guard rails at north end of bridge has minor traffic damage.

Remarks

Assigned Lonoke 06431 11-15-16



Approach rails have been repaired

Date Reported: 07/31/2014
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Large void under slope pavement at abutment 1.

Remarks



Large void under slope pavement at bent 1



Large void under slope paving at bent 1.



Large void under slope pavement at abutment 1.



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Location: 2.5 Mi. E. of SH 15

Team Lead: Keith Harris Inspection Date: July 20, 2020

Date Reported: 07/31/2014

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Deck has small unsealed cracks.

Remarks



Span 1 unsealed cracks



Bridge #03225(Routine)

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Location: 2.5 Mi. E. of SH 15

Team Lead: Keith Harris **Inspection Date:** July 20, 2020

Inspection Comments

Job #6680, Sketch #9974 for Layout.

Approach looking north