



Latitude:34.80327, Longitude:-91.91494

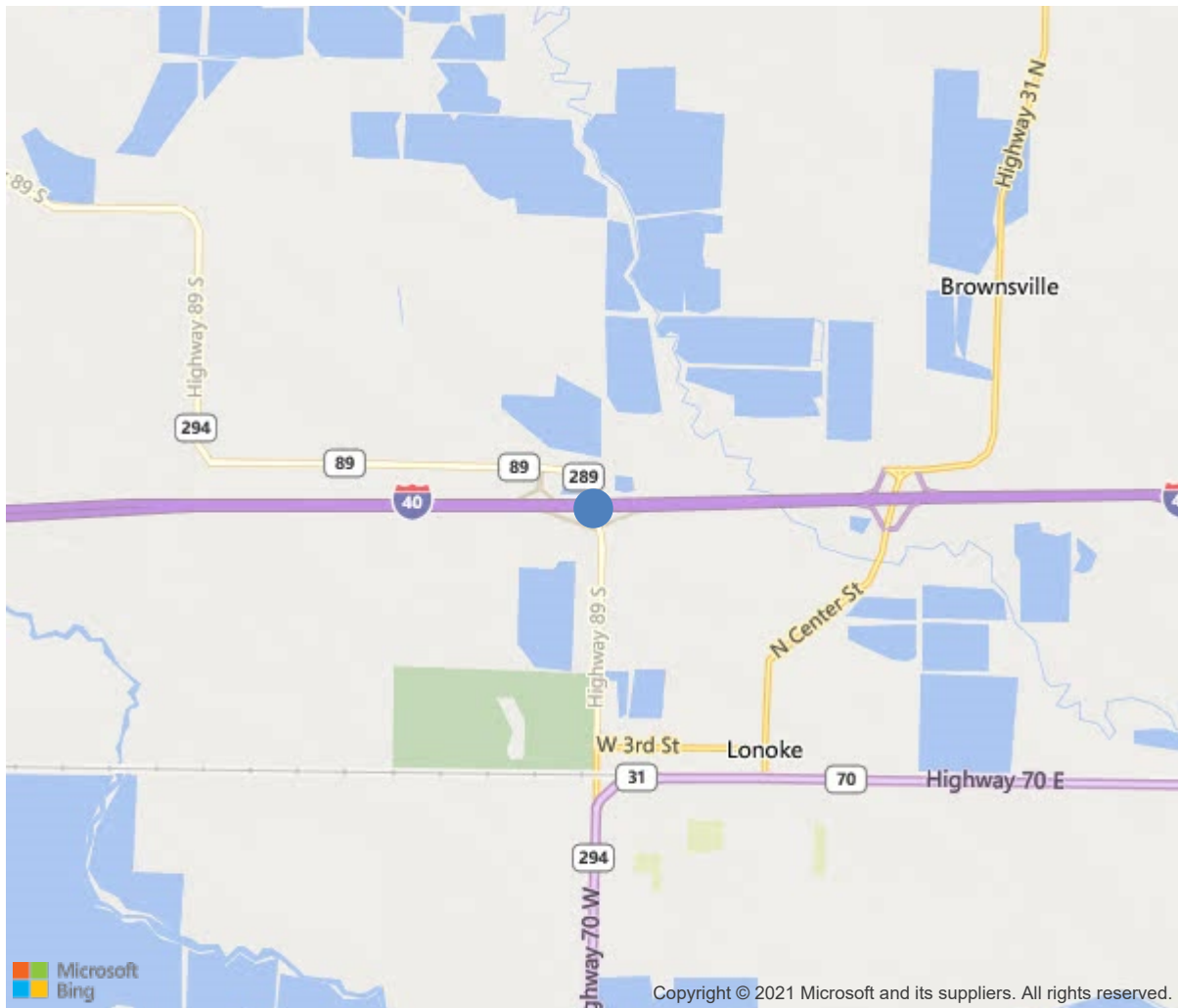
Route:89 Section:01 Log:1.46

Arnold Road ID:43x89x1xA, Arnold Log mile:1.444

District 06, Lonoke County

Owner: 1-State Highway Agency

1.5 MI W SH 31



34.80327, -91.91494



Bridge #07205(Routine)

SH 89 @ Lonoke over I-40 Log 173.15

Location: 1.5 MI W SH 31

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07205
(5) Inventory Route	89
(2) Highway Agency District	06
(3) County Code	85-Lonoke County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-40 Log 173.15
(7) Facility Carried	SH 89 @ Lonoke
(9) Location	1.5 MI W SH 31
(11) Mile Point	1.46 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.80327
(17) Longitude	-91.91494
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	2
(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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2014
(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	2200
(30) Year of ADT	2014
(109) Truck ADT	12 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	110 ft
(49) Structure Length	212 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43 ft
(32) Approach Roadway Width (W/Shoulders)	24 ft
(33) Bridge Median	0-No median
(34) Skew	10 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 ft
(54) Min Vert Underclear	16.58 ft
Ref:	
(55) Min Lat Underclear RT	35 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	6-Rural Minor Arterial
(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	9
(59) Superstructure	9
(60) Substructure	9
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A-HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	59
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	2
Rating	36
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	9
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	6
(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	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	7810
(115) Year of Future ADT	2031

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 #07205(Routine)
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Location: 1.5 MI W SH 31

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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	9082	9082	0	0	0
(12)	Span 1 with multiple small transverse cracks that are sealed						
107	Steel Open Girder/Beam	LF	1050	1050	0	0	0
515	Steel Protective Coating	SF	12863	12863	0	0	0
205	Reinforced Concrete Column	EA	2	2	0	0	0
215	Reinforced Concrete Abutment	LF	455	446	9	0	0
1130	Cracking (RC and Other)	LF	9	0	9	0	0
(215)	Small cracks in both back walls						
234	Reinforced Concrete Pier Cap	LF	42	42	0	0	0
302	Compression Joint Seal	LF	87	87	0	0	0
310	Elastomeric Bearing	EA	15	15	0	0	0
331	Reinforced Concrete Bridge Railing	LF	420	280	140	0	0
1130	Cracking (RC and Other)	LF	140	0	140	0	0
(331)	Vertical cracking at 3 foot centers						



Span 2 soffit view



Deck overview



Approach



Bent 1 small cracks in top of back wall

Maintenance Needs

Date Reported: 07/20/2020
Priority: C - Important
Type of Work: Clean
Status: Open
Component:

Deficiency Description

North abutment has vines growing in MSE wall.

Remarks



North abutment has vines growing in MSE wall.



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Location: 1.5 MI W SH 31

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

Inspection Comments

Job 060897, Layout Drawing 51768 Approach looking north