



Latitude:34.07987, Longitude:-93.11590

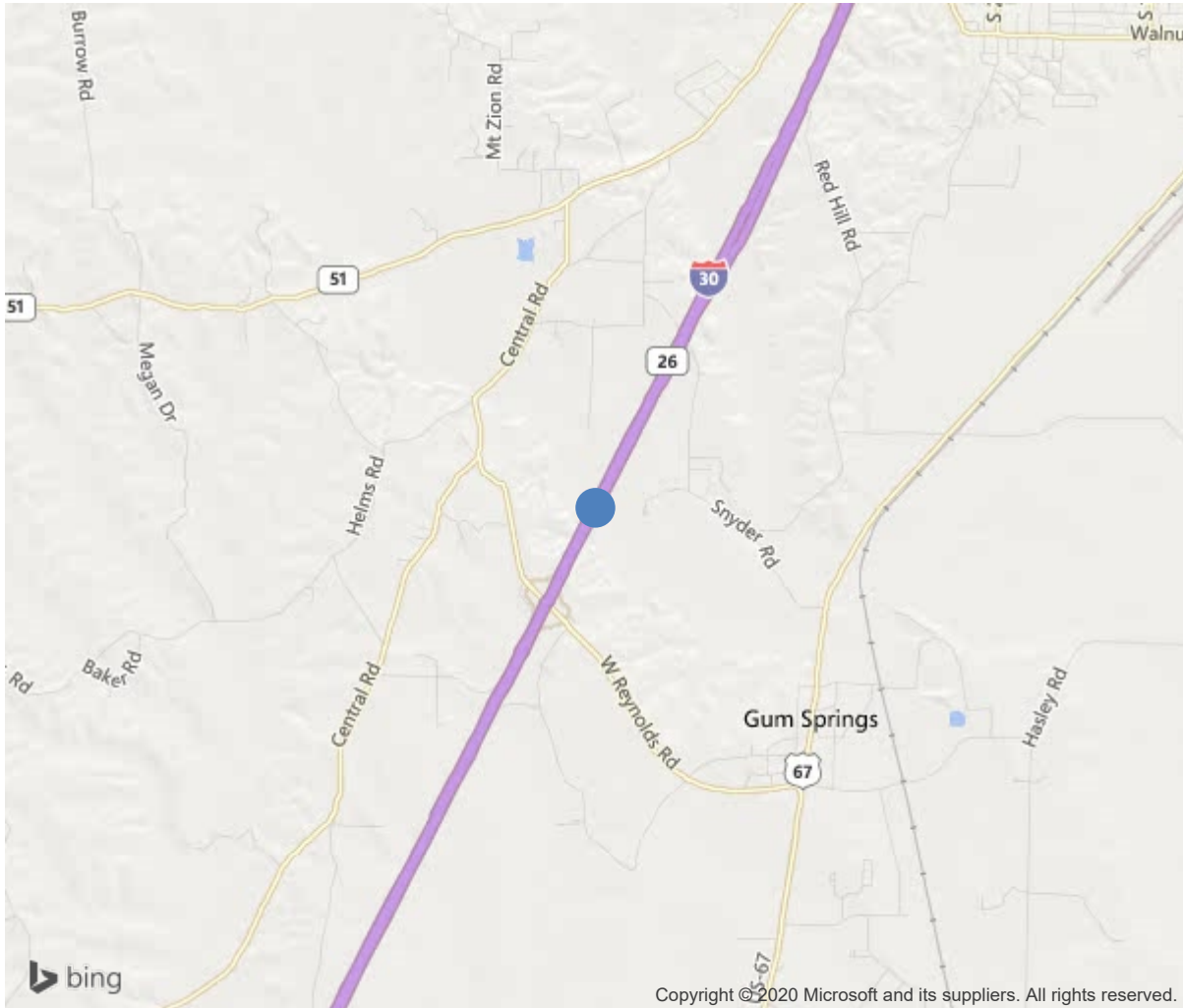
Route:30 Section:14 Log:69.8

Arnold Road ID:10x30x14xA, Arnold Log mile:69.777

District 07, Clark County

Owner: 1-State Highway Agency

.53 MI E JCT SH 26



34.07987, -93.11590



Bridge #B3689(Routine)
I-30EB S14 LM69.80 over BIG DECIPER CREEK

Location: .53 MI E JCT SH 26

Team Lead: Rickie Bratton Inspection Date: October 23, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B3689
(5) Inventory Route	30
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	0
(6) Features Intersected	BIG DECIPER CREEK
(7) Facility Carried	I-30EB S14 LM69.80
(9) Location	.53 MI E JCT SH 26
(11) Mile Point	69.8 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030140
(16) Latitude	34.07987
(17) Longitude	-93.11590
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1-Concrete
Type	1-Slab
(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	0-None (no additional concrete thickness o
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1965
(106) Year Reconstructed	1999
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	14482
(30) Year of ADT	2018
(109) Truck ADT	54 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	100 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	43.4 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 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	41.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0-No navigation control on water
(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	1
(26) Functional Class	1-Rural Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	R-The right structure of paralle
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	1-The inventory route is part of the
(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	6
(60) Substructure	8
(61) Channel & Channel Protection	5
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
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	6
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	5-Bridge foundations determined to be
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	38000
(115) Year of Future ADT	2038
INSPECTIONS	
(90) Inspection Date	201910
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No 24
B: Underwater Inspection	No 0
C: Other Special Inspection	No 0

SUFFICIENCY RATING	95.2
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	4340	2089	1551	700	0
1120	Efflorescence/Rust Staining	SF	800	0	800	0	0
1130	Cracking (RC and Other)	SF	1451	0	751	700	0
(38)							
Right lane has larger and more cracks							
215	Reinforced Concrete Abutment	LF	89	89	0	0	0
(215)							
Pothole @ abutment 1 right traffic load path. Maint needs C issued.							
227	Reinforced Concrete Pile	EA	21	21	0	0	0
234	Reinforced Concrete Pier Cap	LF	133	130	0	3	0
1080	Delamination/Spall/Patched Area	LF	3	0	0	3	0
(234)							
Bent 2 cap left end cracked with some exposed steel.							
301	Pourable Joint Seal	LF	133	0	133	0	0
2310	Leakage	LF	66	0	66	0	0
2320	Seal Adhesion	LF	67	0	67	0	0
331	Reinforced Concrete Bridge Railing	LF	200	150	50	0	0
1130	Cracking (RC and Other)	LF	50	0	50	0	0



Bent 2, pile 7, erosion around pile and down stream.



Bent 3, spalls with exposed rebar, ahead side.



West end, center line pot hole.



Span 1 longitudinal cracks.



Deck cracks, 0.070



Joint 3, seal missing.



Deck overview.



Approach roadway.



Abutment 5, erosion under cap and down slope.



Abutment 5, cracks in back wall



Span 3, soffit cracks with light efflorescence



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Maintenance Needs



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Inspection Comments

Logged west to east.