



Latitude:34.09824, Longitude:-93.10482

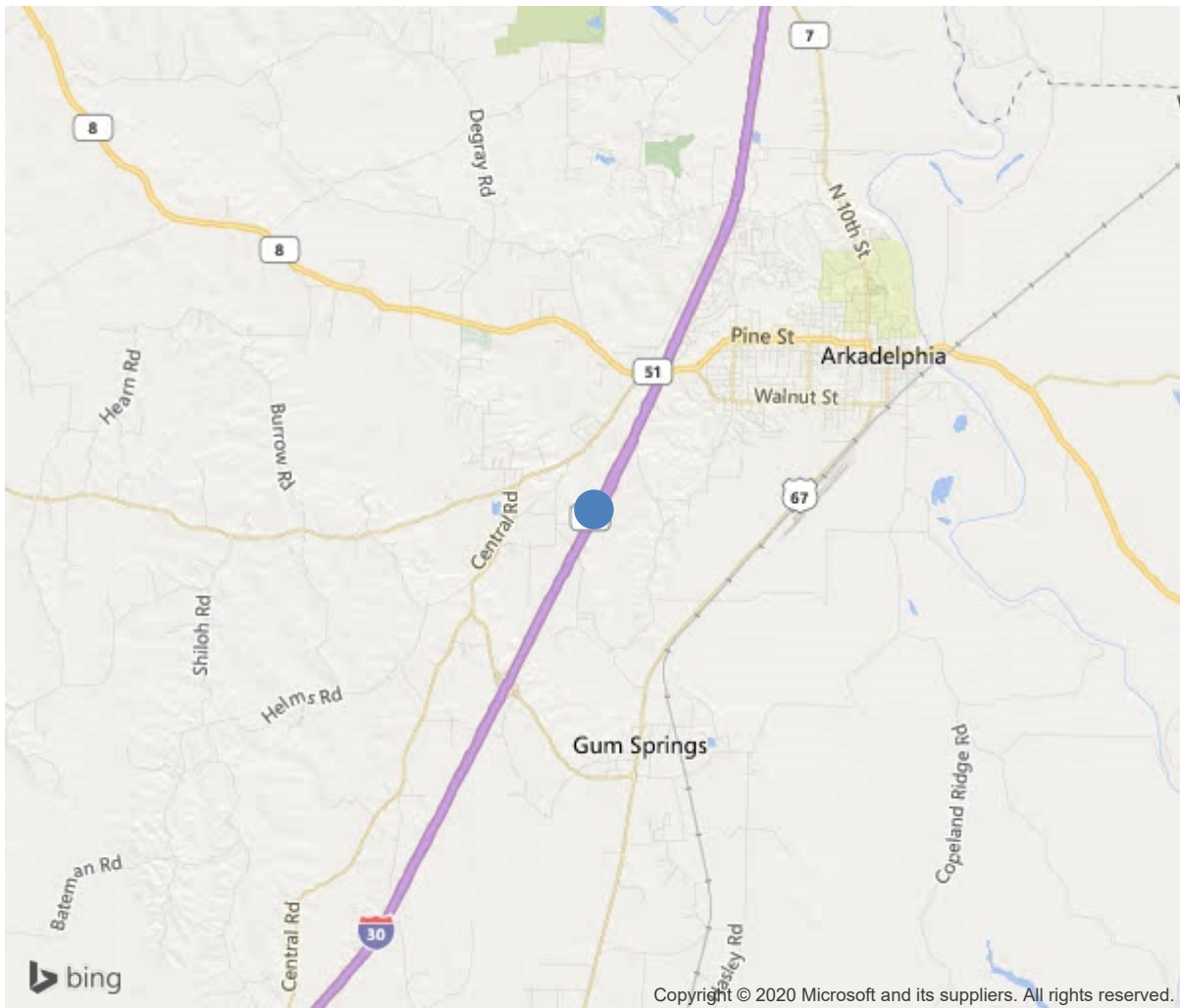
Route:30 Section:14 Log:71.22

Arnold Road ID:10x30x14xB, Arnold Log mile:71.724

District 07, Clark County

Owner: 1-State Highway Agency

1.25 MI W JCT SH 51 & 8



34.09824, -93.10482



Bridge #A3691(Routine)
I-30 WBS-14LM71.2 over LITTLE DECIPER

Location: 1.25 MI W JCT SH 51 & 8

Team Lead: Rickie Bratton Inspection Date: December 17, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A3691
(5) Inventory Route	30
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	0
(6) Features Intersected	LITTLE DECIPER
(7) Facility Carried	I-30 WBS-14LM71.2
(9) Location	1.25 MI W JCT SH 51 & 8
(11) Mile Point	71.22 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030140
(16) Latitude	34.09824
(17) Longitude	-93.10482
(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	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	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	14500
(30) Year of ADT	2018
(109) Truck ADT	50 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	112 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	44.5 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	42 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	11-Urban Principal Arterial - Int		
(100) Defense Highway	1-The inventory route is on a In		
(101) Parallel Structure	L-The left structure of parallel		
(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			7
(59) Superstructure			7
(60) Substructure			8
(61) Channel & Channel Protection			8
(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			7
(68) Deck Geometry			7
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			8
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			0111
A) Bridge Railings	0-Inspected feature does not meet cur		
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			18704
(115) Year of Future ADT			2028
INSPECTIONS			
(90) Inspection Date			201912
(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	93.8
STATUS (SD/FO/None)	Not Deficient



Bridge #A3691 (Routine)
I-30 WBS-14LM71.2 over LITTLE DECIPER

Location: 1.25 MI W JCT SH 51 & 8

Team Lead: Rickie Bratton, Inspection Date: December 17, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	4450	4093	332	25	0
1120	Efflorescence/Rust Staining	SF	112	0	112	0	0
1130	Cracking (RC and Other)	SF	245	0	220	25	0
(38)							
Cracks, soffit has corresponding efflorescent cracks. 12/16/2013 JPR Span 4 from about midspan to abutment 2 there is a longitudinal crack just Lt. of C/L (Rt. lane of RML of traffic), crack has opened up @ abut. 2 west thus allowing water and road salts to get down into the deck and the reinforcing steel of the deck. These cracks continue through all spans, but span 4 is the worst. 12/27/2017 JPR -- little change since above inspection.							
215	Reinforced Concrete Abutment	LF	89	89	0	0	0
227	Reinforced Concrete Pile	EA	21	21	0	0	0
234	Reinforced Concrete Pier Cap	LF	133	132	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(234-1080)							
Bent 4 left side, end of cap has delam.							
301	Pourable Joint Seal	LF	200	0	0	200	0
2310	Leakage	LF	150	0	0	150	0
2330	Seal Damage	LF	50	0	0	50	0
(301)							
Losing bond and leaking.							
331	Reinforced Concrete Bridge Railing	LF	224	224	0	0	0



Soffit, cracks with efflorescence.



Bent 4 cap right side delam.



Deck overview.



Span 1, deck cracks.



Bridge #A3691(Routine)

I-30 WBS-14LM71.2 over LITTLE DECIPER

Location: 1.25 MI W JCT SH 51 & 8

Team Lead: Rickie Bratton **Inspection Date:** December 17, 2019

Maintenance Needs



Bridge #A3691(Routine)

I-30 WBS-14LM71.2 over LITTLE DECIPER

Location: 1.25 MI W JCT SH 51 & 8

Team Lead: Rickie Bratton **Inspection Date:** December 17, 2019

Inspection Comments

-

Deck Notes

Logged west to east.

12/16/2013 JPR Span 4 from about midspan to abutment 2 there is a longitudinal crack just Lt. of C/L (Rt. lane of RML of traffic), crack has opened up @ abut. 2 west thus allowing water and road salts to get down into the deck and the reinforcing steel of the deck. These cracks continue through all spans, but span 4 is the worst. Also Bt. 3 poured joint material has lost its bond with the concrete thus allowing dirt and debris to get down between spans, this is typical of all joints.