



Latitude:34.18468, Longitude:-93.07114

Route:30 Section:14 Log:77.543

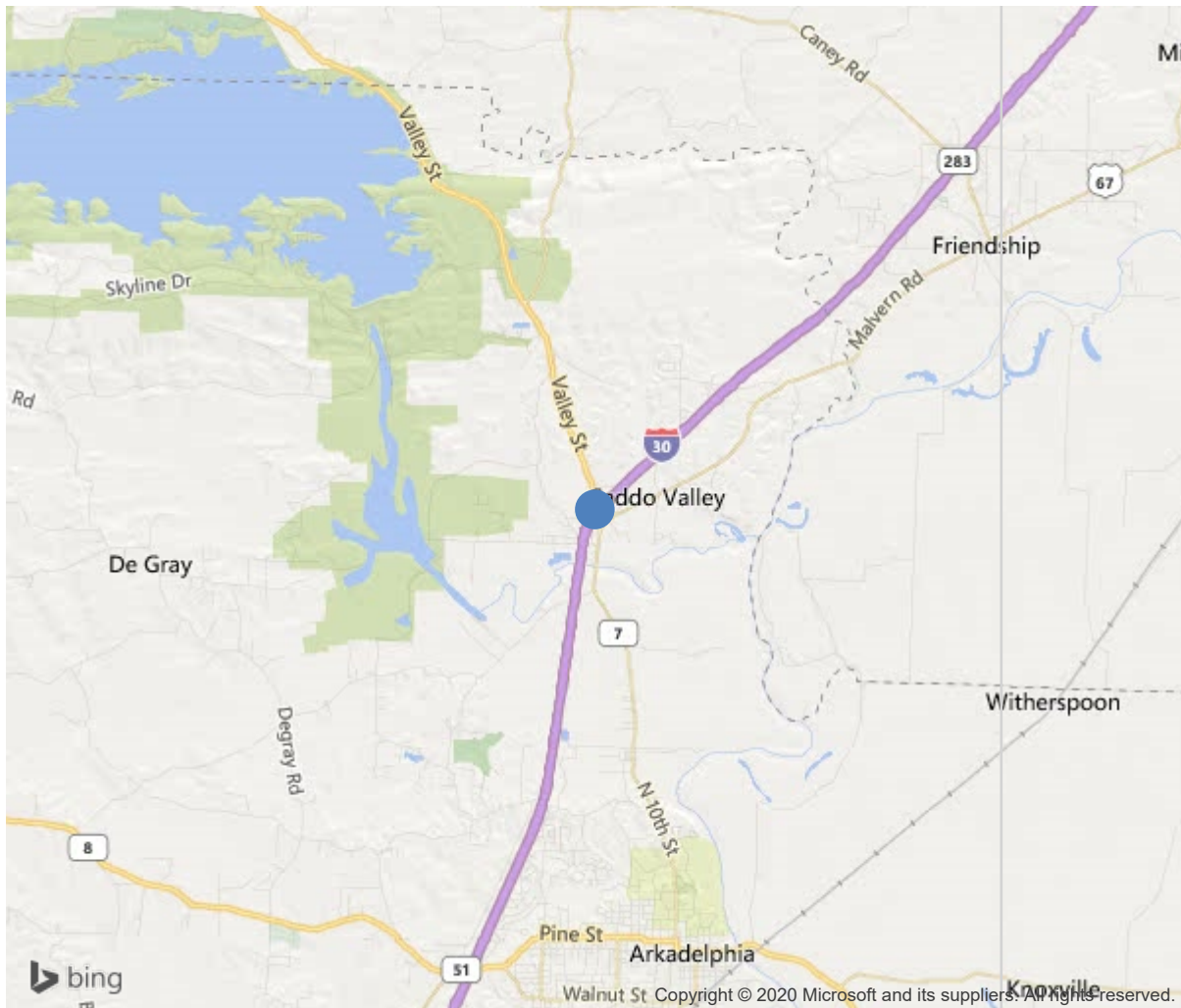
Arnold Road ID:10x30x14xB, Arnold Log mile:65.399

District 07, Clark County

Owner: 1-State Highway Agency

Place Code: 09840 - CADD0 VALLEY

JCT I-30 & SH 7



34.18468, -93.07114



Bridge #A6515(Routine)

I-30WB S-14LM 77.5 over SH 7 SEC 7

Location: JCT I-30 & SH 7

Team Lead: Rickie Bratton Inspection Date: November 18, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A6515
(5) Inventory Route	30
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	9840
(6) Features Intersected	SH 7 SEC 7
(7) Facility Carried	I-30WB S-14LM 77.5
(9) Location	JCT I-30 & SH 7
(11) Mile Point	77.543 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030140
(16) Latitude	34.18468
(17) Longitude	-93.07114
(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	3
(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	1996
(106) Year Reconstructed	0
(42) Type of Service	61
On	6-Overpass structure at an interchange or secon
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	3
(29) Average Daily Traffic	16000
(30) Year of ADT	2018
(109) Truck ADT	40 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	115 ft
(49) Structure Length	258 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	39.7 ft
(52) Deck Width Out to Out	42.7 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 ft
(33) Bridge Median	0-No median
(34) Skew	42 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	16.4 ft
Ref:	
(55) Min Lat Underclear RT	12.1 ft
Ref:	
(56) Min Lat Underclear LT	0 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	1
(26) Functional Class	1-Rural 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	6
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(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	3
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	6
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(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	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	16894
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201911
(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	Yes 0

SUFFICIENCY RATING	94.7
STATUS (SD/FO/None)	Not Deficient



Bridge #A6515(Routine)

I-30WB S-14LM 77.5 over SH 7 SEC 7

Location: JCT I-30 & SH 7

Team Lead: Rickie Bratton, Inspection Date: November 18, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	11017	7486	2754	777	0
1080	Delamination/Spall/Patched Area	SF	2	0	0	2	0
1130	Cracking (RC and Other)	SF	3529	0	2754	775	0
(12)	minor cracks, some efflorescent staining on SIP forms. 11/27/2017 JPR -- Rust on stay in place form 30' ahead of bent 2 close to girder 4						
107	Steel Open Girder/Beam	LF	1290	1290	0	0	0
515	Steel Protective Coating	SF	14800	14800	0	0	0
(107)	Paint system is functioning well.						
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	85	85	0	0	0
(215)	Water is soaking parts of the abutments. Abutment 1 inside lane especially.						
234	Reinforced Concrete Pier Cap	LF	85	85	0	0	0
301	Pourable Joint Seal	LF	76	0	28	48	0
2310	Leakage	LF	56	0	28	28	0
2360	Adjacent Deck or Header	LF	20	0	0	20	0
303	Assembly Joint with Seal	LF	24	24	0	0	0
(303)	Up to half of joint seal missing both abutments, JPR 11-27-17 abutment 2 has 12' of assembly joint seal, and abutment 1 has 12' of assembly joint seal remaining, after District Bridge Maintenance crew removed the assembly due to assembly being loose and popping under live loads.						
311	Movable Bearing	EA	20	18	2	0	0
1020	Connection	EA	2	0	2	0	0
(311)	Bearings 1-2 abutment 1 as logged bolts have backed out of the bearing bracket. # 2 bolt has backed out enough to fall out or has sheared. 11/28/2017 JPR -- all bearings are rocked ahead.						
321	Reinforced Concrete Approach Slab	SF	2960	2379	290	291	0
1080	Delamination/Spall/Patched Area	SF	1	0	0	1	0
1130	Cracking (RC and Other)	SF	580	0	290	290	0
(321)	Cracks						
331	Reinforced Concrete Bridge Railing	LF	516	516	0	0	0





Soffit overview.



Span 2 deck cracks.





Bolts missing in bearings, abutment 4, 1 and 4. Abutment 1 girder 2 missing bolt also.



Approach roadway.





Spall at abutment 1, joint.



Bent 2 left spall with exposed rebar.



Deck overview.





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**I-30WB S-14LM 77.5 over SH 7 SEC 7**

**Location: JCT I-30 & SH 7**

**Team Lead:** Rickie Bratton **Inspection Date:** November 18, 2019

## **Maintenance Needs**



**Bridge #A6515(Routine)**  
**I-30WB S-14LM 77.5 over SH 7 SEC 7**

**Location: JCT I-30 & SH 7**

**Team Lead:** Rickie Bratton **Inspection Date:** November 18, 2019

### **Inspection Comments**

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