



Latitude:34.60919, Longitude:-92.52335

Route:30 Section:22 Log:121.36

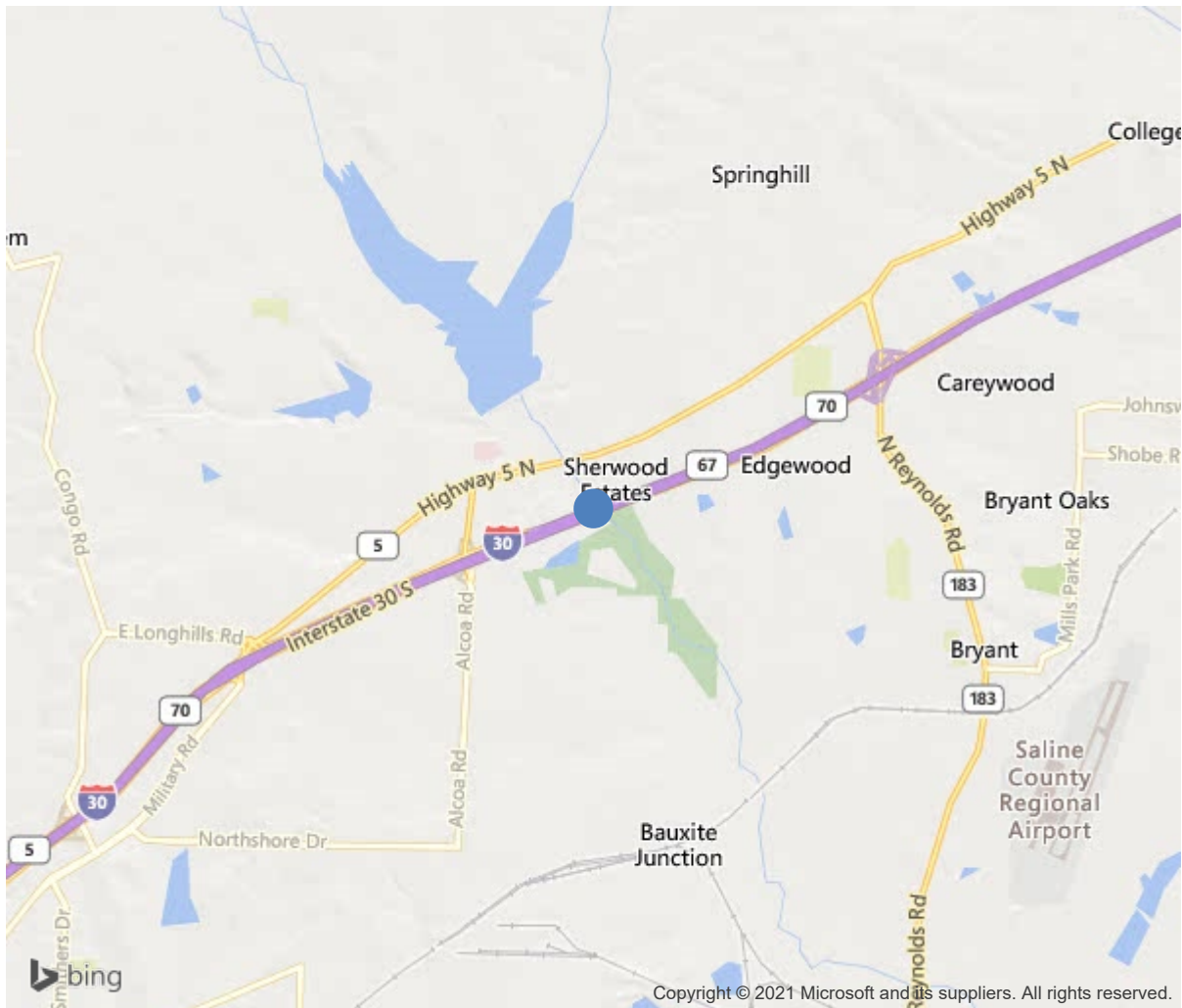
Arnold Road ID:62x30x22xA, Arnold Log mile:121.297

District 06, Saline County

Owner: 1-State Highway Agency

Place Code: 08840 - BRYANT

1.6 M sw SH 183



34.60919, -92.52335



Bridge #06911(Routine)

I-30 Log 121.36 over Hurricane creek

Location: 1.6 M sw SH 183

Team Lead: Chris Doggett Inspection Date: March 09, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06911
(5) Inventory Route	30
(2) Highway Agency District	06
(3) County Code	125-Saline County, Arkansas
(4) Place Code	8840
(6) Features Intersected	Hurricane creek
(7) Facility Carried	I-30 Log 121.36
(9) Location	1.6 M sw SH 183
(11) Mile Point	121.36 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030220
(16) Latitude	34.60919
(17) Longitude	-92.52335
(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	6
(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	2003
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	6
Under	0
(29) Average Daily Traffic	82000
(30) Year of ADT	2014
(109) Truck ADT	25 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	182 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	58.1 ft
(52) Deck Width Out to Out	121.3 ft
(32) Approach Roadway Width (W/Shoulders)	54.1 ft
(33) Bridge Median	3-Closed median with no
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	59.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	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	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	7
(61) Channel & Channel Protection	7
(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	6
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	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) 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	0
(114) Future ADT	108583
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	03/2021
(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

Team Lead: Chris Doggett, **Inspection Date:** March 09, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	22073	19609	2464	0	0
1120	Efflorescence/Rust Staining	SF	280	0	280	0	0
1130	Cracking (RC and Other)	SF	2184	0	2184	0	0
(12)							
Longitudinal and transverse cracks up to .040". Transverse cracks in the soffit overhangs and soffit of stage construction areas. (no deck pans)							
107	Steel Open Girder/Beam	LF	2520	2492	28	0	0
1000	Corrosion	LF	28	0	28	0	0
515	Steel Protective Coating	SF	15271	15271	0	0	0
(107)							
Beam ends at bent 1,4 & 7 have small flakes less than 1/2" in diameter on the webs and bottom flanges.							
205	Reinforced Concrete Column	EA	35	34	1	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
(205)							
Bents 2, 3 and 4 have minor horse shoe scour at all columns. Bent 6 column 4 has spall.							
215	Reinforced Concrete Abutment	LF	242	148	59	35	0
1120	Efflorescence/Rust Staining	LF	31	0	31	0	0
1130	Cracking (RC and Other)	LF	63	0	28	35	0
(215)							
Both abutments have heavy amounts of map cracking on the right end. Small scattered cracks with efflorescence in back wall of both abutments.							
234	Reinforced Concrete Pier Cap	LF	565	561	4	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(234)							
Bent 2 cap 3 right end has spall and cracking. Bent 3 cap 3 right end side cracking. Bent 6 cap 1 right back side spall.							
302	Compression Joint Seal	LF	242	242	0	0	0
311	Movable Bearing	EA	42	42	0	0	0
1000	Corrosion	EA	0	0	0	0	0
(311)							

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Bearings at bents 1,4,&7 have corrosion between mason plates and bearings.							
313	Fixed Bearing	EA	56	56	0	0	0
321	Reinforced Concrete Approach Slab	SF	2628	2495	133	0	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1130	Cracking (RC and Other)	SF	132	0	132	0	0
(321)							
Large unsealed cracks at both end of slabs. West bound , west approach has spall.							
331	Reinforced Concrete Bridge Railing	LF	546	501	45	0	0
1130	Cracking (RC and Other)	LF	45	0	45	0	0
(331)							
Small scattered cracks in all bridge railing.							



Bent 1: right end of beam seat is map cracked.



Span 1 beam 13 bottom web and upper haunch area of beam end have small flaking rust.
Common all beam ends bent 1



Bent 1: beam seat with vertical and horizontal cracking.



Span 4 soffit has transverse cracks with efflorescence.



Bent 7: right end of cap has map cracking up to 6' in length.



Approach view looking west



Soffit view



Deck view



Inventory looking east

Maintenance Needs

Date Reported: 04/01/2013
Priority: D- Routine
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Deck has large unsealed transverse and longitudinal cracks up to 0.040 inch. See photos.

Remarks



Span 6 deck has transverse cracks.



Span 2 deck has longitudinal cracks.



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Inspection Comments

Logged Eastbound.

See AHTD drawing # 43574 for layout sheet.