



Latitude:34.64695, Longitude:-92.42565

Route:30 Section:23 Log:127.52

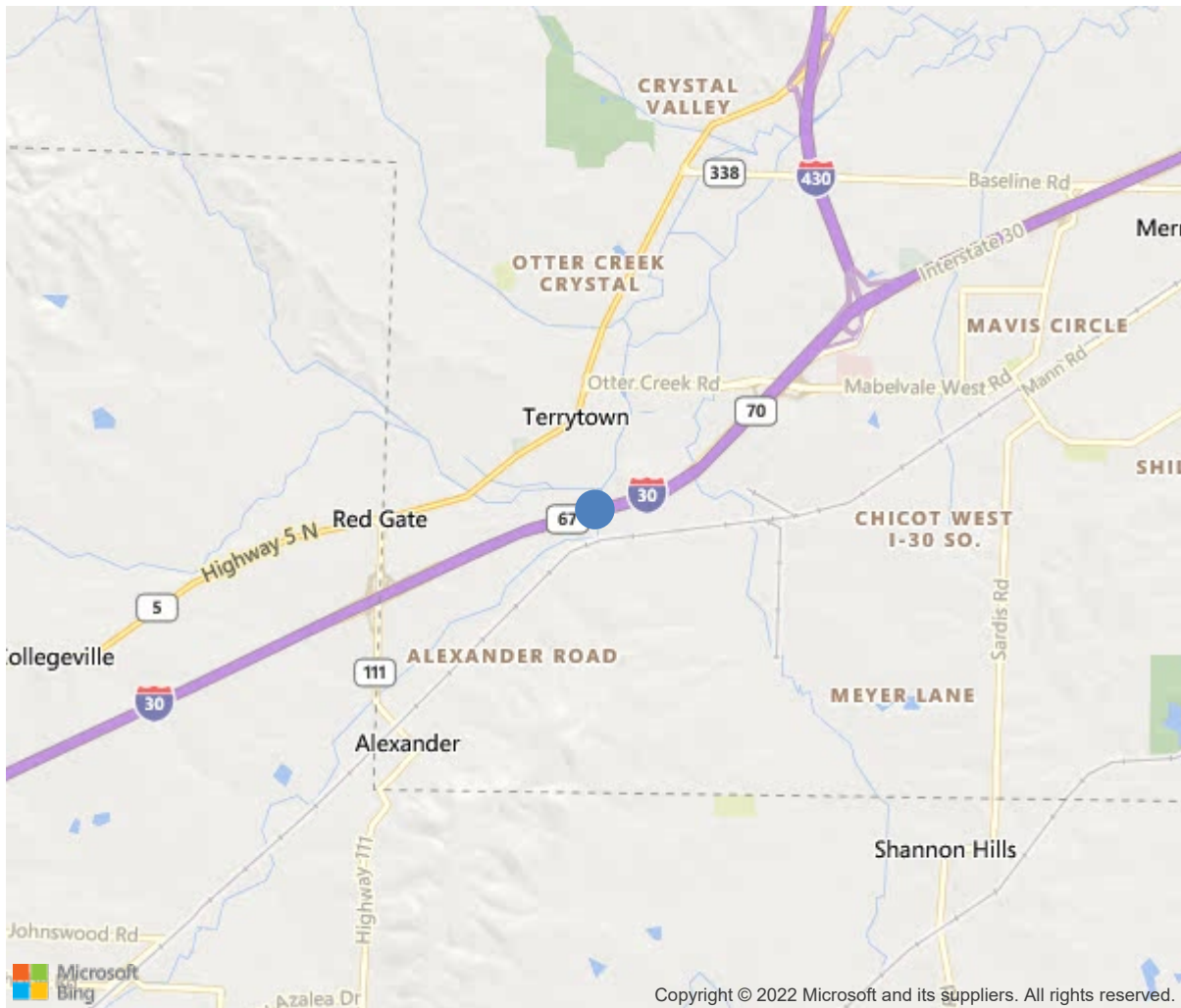
Arnold Road ID:60x30x23xB, Arnold Log mile:15.477

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 41000 - Little Rock

1.8 M E SH 111



34.64695, -92.42565



Bridge #B6926(Routine)

I-30 WB Log 127.52 over Crooked creek

Location: 1.8 M E SH 111

Team Lead: Chris Doggett Inspection Date: August 16, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6926
(5) Inventory Route	30
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	41000
(6) Features Intersected	Crooked creek
(7) Facility Carried	I-30 WB Log 127.52
(9) Location	1.8 M E SH 111
(11) Mile Point	127.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030230
(16) Latitude	34.64695
(17) Longitude	-92.42565
(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	3
Under	0
(29) Average Daily Traffic	5985
(30) Year of ADT	2018
(109) Truck ADT	21 %
(19) Bypass, Detour Length	0 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	56.1 ft
(52) Deck Width Out to Out	59 ft
(32) Approach Roadway Width (W/Shoulders)	56.1 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	56.1 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	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	8
(60) Substructure	8
(61) Channel & Channel Protection	6
(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	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	8
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	9
(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	5-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	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	2916
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	08/2021		
(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		
* 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.			



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Team Lead: Chris Doggett, Inspection Date: August 16, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	10635	8288	2347	0	0
1120	Efflorescence/Rust Staining	SF	702	0	702	0	0
1130	Cracking (RC and Other)	SF	1645	0	1645	0	0
(12)	Deck surface of all spans. Unsealed transverse and longitudinal cracks in all spans up to 0.040 inch.						
107	Steel Open Girder/Beam	LF	1260	1260	0	0	0
515	Steel Protective Coating	SF	7182	0	7182	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	7182	0	7182	0	0
215	Reinforced Concrete Abutment	LF	141	114	17	10	0
1090	Exposed Rebar	LF	10	0	0	10	0
1130	Cracking (RC and Other)	LF	17	0	17	0	0
(215)	East abutment spalls with exposed rebar in the top of back wall. Scattered cracks in the back wall of both abutments.						
225	Steel Pile	EA	35	35	0	0	0
515	Steel Protective Coating	SF	2472	2472	0	0	0
234	Reinforced Concrete Pier Cap	LF	285	285	0	0	0
302	Compression Joint Seal	LF	177	155	0	22	0
2310	Leakage	LF	0	0	0	0	0
2320	Seal Adhesion	LF	22	0	0	22	0
(302)	Bents 1 & 4 have small areas where the seal has lost bond.						
311	Movable Bearing	EA	28	28	0	0	0
313	Fixed Bearing	EA	28	28	0	0	0
321	Reinforced Concrete Approach Slab	SF	2100	2028	72	0	0
1130	Cracking (RC and Other)	SF	72	0	72	0	0
331	Reinforced Concrete Bridge Railing	LF	360	360	0	0	0



Span 5: unsealed transverse and longitudinal cracking up to 0.040" in width.



Span 2: unsealed transverse cracking.



Span 7: soffit with multiple transverse cracks with efflorescence staining.



Soffit view



Inventory looking east



Inventory looking east

Maintenance Needs

Date Reported: 09/20/2011
Priority: C - Important
Type of Work: Repair
Status: Open
Component: 215 - Reinforced Concrete Abutment

Deficiency Description

Bent 7 east abutment top of backwall spalls with rebar exposed in all three travel lanes.

Remarks



Bent 7 east abutment top of backwall spalls with rebar exposed



Bent 7: multiple open spalls in the headwall

Date Reported: 09/20/2011
Priority: C - Important
Type of Work: Repair
Status: Monitor
Component: 12 - Reinforced Concrete Deck

Deficiency Description

Deck surface of all spans

Unsealed transverse and longitudinal cracks in all spans up to 0.040 inch

Remarks



Span 2 Unsealed transverse and longitudinal cracks in all spans up to 0.040 inch



Span 5 Unsealed transverse and longitudinal cracks in all spans up to 0.040 inch



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Span 5: unsealed transverse and longitudinal cracking up to 0.040" in width.

Date Reported: 08/16/2021
Priority: C - Important
Type of Work: Repair
Status: Open
Component: 225 - Steel Pile

Deficiency Description

Bent 5: local scour at all columns on this bent. Common to bents 2,3,4, and 6.

Remarks



Bent 5: local scour at all columns on this bent.
Common to bents 2,3,4, and 6.



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Team Lead: Chris Doggett **Inspection Date:** August 16, 2021

Inspection Comments

See AHTD job # B60120 drawing #43858 for layout. Logged East bound