



Latitude:34.64947, Longitude:-92.41746

Route:30 Section:23 Log:128.03

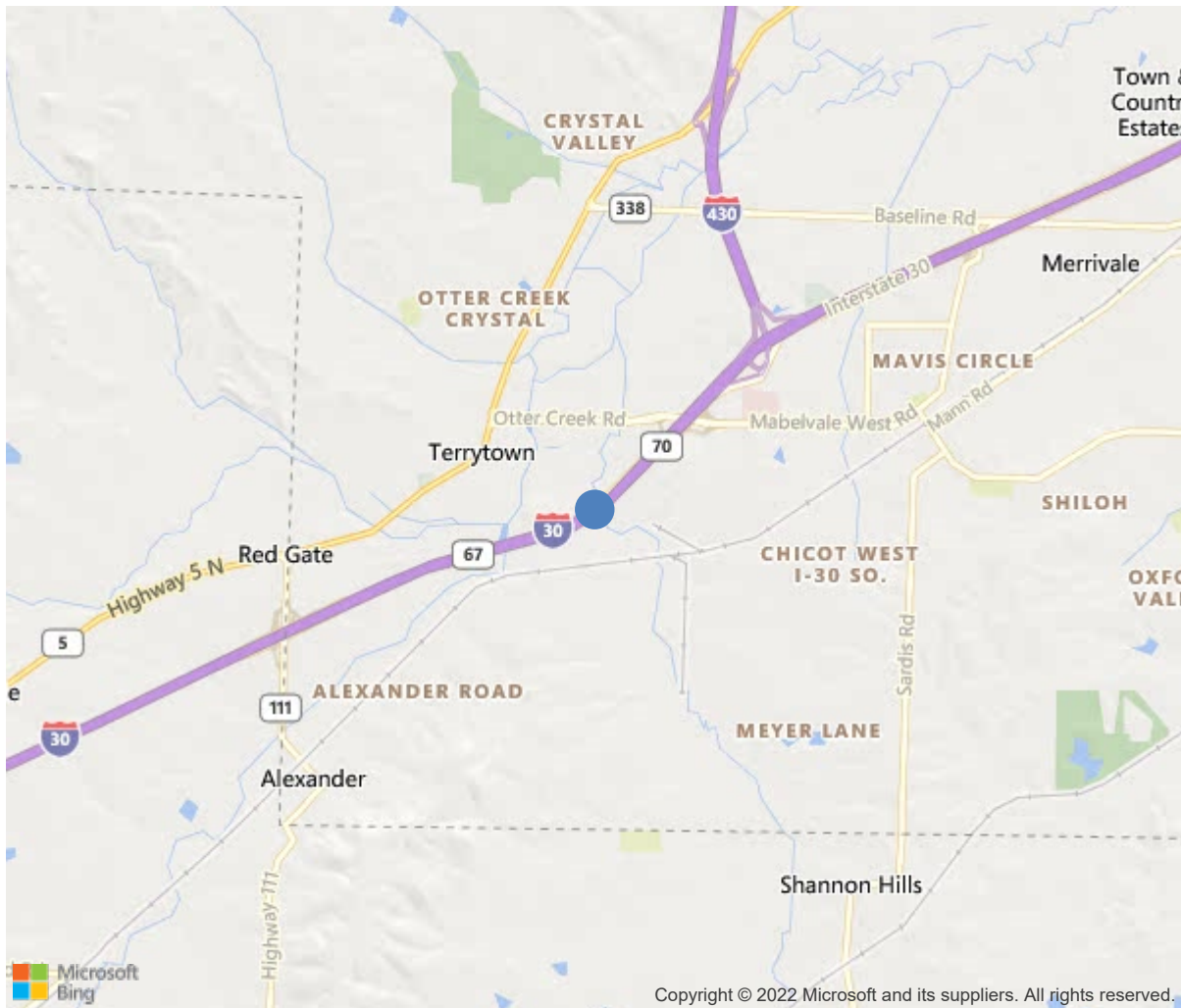
Arnold Road ID:60x30x23xB, Arnold Log mile:14.975

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 41000 - Little Rock

2.0 M E SH111



34.64947, -92.41746



Bridge #B6357 (Routine)
I-30 WB Log 128.03 over Otter creek
Location: 2.0 M E SH111

Team Lead: Bryan Saunders Inspection Date: May 19, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6357
(5) Inventory Route	30
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	41000
(6) Features Intersected	Otter creek
(7) Facility Carried	I-30 WB Log 128.03
(9) Location	2.0 M E SH111
(11) Mile Point	128.03 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030230
(16) Latitude	34.64947
(17) Longitude	-92.41746
(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	5
(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	109818
(30) Year of ADT	2014
(109) Truck ADT	21 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	142 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	7
(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	5
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	8
(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	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	58328
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			05/2021
(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.			



Bridge #B6357(Routine)

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Team Lead: Bryan Saunders, Inspection Date: May 19, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	8272	6638	1598	36	0
1080	Delamination/Spall/Patched Area	SF	4	0	4	0	0
1120	Efflorescence/Rust Staining	SF	750	0	750	0	0
1130	Cracking (RC and Other)	SF	880	0	844	36	0
(12)	Deck all spans unsealed transverse and longitudinal cracks. Up to 0.40" Cracks with efflorescence in soffit. Patches where plowable markers were removed.						
107	Steel Open Girder/Beam	LF	980	980	0	0	0
515	Steel Protective Coating	SF	5586	0	5586	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	5586	0	5586	0	0
(107-515)	The protective coating has a granular texture.						
215	Reinforced Concrete Abutment	LF	142	131	11	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	9	0	9	0	0
(215)	Both abutments with small vertical cracks. Bent 1, smalls spalls in beam seat.						
225	Steel Pile	EA	28	28	0	0	0
515	Steel Protective Coating	SF	2170	2170	0	0	0
(225)	Steep pile encased in concrete.						
234	Reinforced Concrete Pier Cap	LF	228	228	0	0	0
302	Compression Joint Seal	LF	118	118	0	0	0
311	Movable Bearing	EA	28	14	14	0	0
1000	Corrosion	EA	14	0	14	0	0
(311)	Bearings on bents 1 and 6 have minor corrosion.						
313	Fixed Bearing	EA	14	14	0	0	0
321	Reinforced Concrete Approach Slab	SF	2628	2628	0	0	0



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Team Lead: Bryan Saunders, Inspection Date: May 19, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
331	Reinforced Concrete Bridge Railing	LF	280	256	24	0	0
1130	Cracking (RC and Other)	LF	24	0	24	0	0



Approach



Deck overview



Typical soffit



Span 1, large transverse crack.



Span 3, longitudinal crack.



Span 5, large transverse crack.



Span 4, cracks with efflorescence, typical.



Bent 1 bearing 4, corrosion.

Maintenance Needs

Date Reported: 09/20/2011
Priority: D- Routine
Type of Work: Repair
Status: Assigned
Component: Deck

Deficiency Description

Deck all spans
Moderate sized unsealed transverse and longitudinal cracks.

Remarks



Span 2 unseal crack



Span 1, large transverse crack.



Span 3, longitudinal crack.



Span 5, large transverse crack.



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Team Lead: Bryan Saunders **Inspection Date:** May 19, 2021

Inspection Comments

See AHTD Job # B60120 drawing #43871 for layout. Logged East bound.