



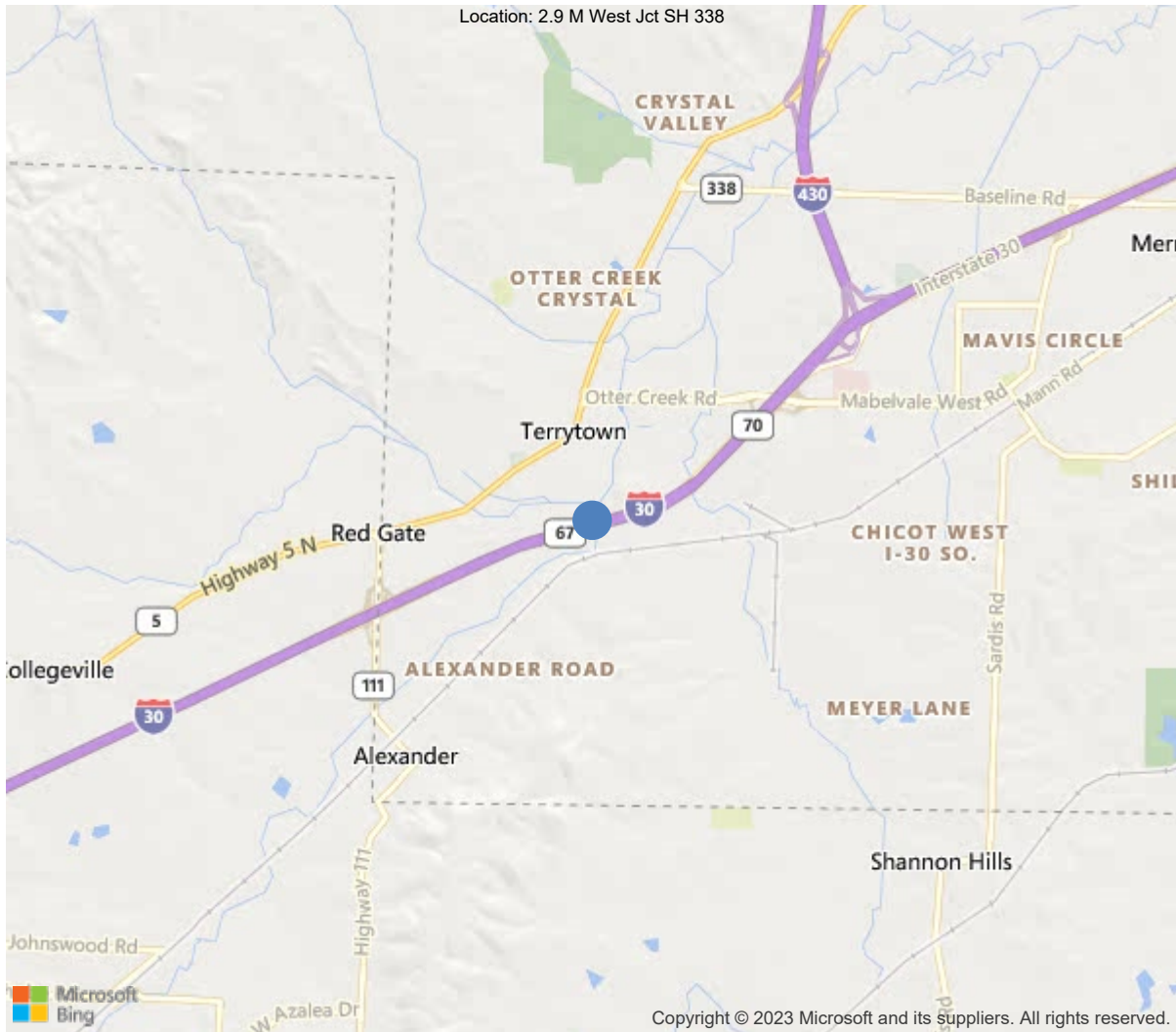
Latitude:34.64723, Longitude:-92.42574

Route:30 Section:23 Log:127.52

Arnold Road ID:60x30x415xA, Arnold Log mile:5.208

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency



34.64723, -92.42574





Asset #D6926(Routine)

I-30 W.B. Service over Crooked Creek

Location: 2.9 M West Jct SH 338

Team Lead: Chris Doggett, Inspection Date: 08/16/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	D6926
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	41000
(6) Features Intersected	Crooked Creek
(7) Facility Carried	I-30 W.B. Service
(9) Location	2.9 M West Jct SH 338
(11) Mile Point	127.52 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030230
(16) Latitude	34.64723
(17) Longitude	-92.42574
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2004
(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	5985
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	180 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	32 ft
(52) Deck Width Out to Out	32.2 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	33.1 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 w
(111) Pier Protection	1 - Navigation protection not
(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	0
(26) Functional Class	16 - Urban Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(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 par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	8
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	6
(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	
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	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined t
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	2250
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	08/16/2021		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<p>* 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.</p>			



Asset #D6926(Routine)

District: 06, County: 119 - Pulaski County

Team Lead: Chris Doggett, Inspection Date: 08/16/2021

#### General Observation

See AHTD job # B60120 drawing # 43927 for layout. Logged East bound

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#### A-46 - Asset Files

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Asset #D6926(Routine)

I-30 W.B. Service over Crooked Creek

Location: 2.9 M West Jct SH 338

Team Lead: Chris Doggett, Inspection Date: 08/16/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6330	5030	1300	0	0
1130	Cracking (RC and Other)	SF	1300	0	1300	0	0
(12) Deck all spans scattered cracks up to 0.020 wide.							
107	Steel Open Girder/Beam	LF	900	900	0	0	0
515	Steel Protective Coating	SF	5103	0	5103	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	5103	0	5103	0	0
(107) .							
(515-107) .							
215	Reinforced Concrete Abutment	LF	110	98	12	0	0
1130	Cracking (RC and Other)	LF	12	0	12	0	0
(215) Scattered cracks in the back wall of both abutments.							
225	Steel Pile	EA	25	25	0	0	0
515	Steel Protective Coating	SF	2648	2648	0	0	0
(225) .							
(515-225) .							
234	Reinforced Concrete Pier Cap	LF	165	165	0	0	0
(234) .							
302	Compression Joint Seal	LF	106	0	106	0	0
2350	Debris Impaction	LF	106	0	106	0	0
(302) Joint seal is beginning to deteriorate.							
311	Movable Bearing	EA	20	20	0	0	0
(311) .							
313	Fixed Bearing	EA	20	20	0	0	0
(313) .							
331	Reinforced Concrete Bridge Railing	LF	360	360	0	0	0

### I-30 W.B. Service over Crooked Creek

**Location: 2.9 M West Jct SH 338**

**Team Lead:** Chris Doggett, **Inspection Date:** 08/16/2021

## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6330	5030	1300	0	0
1130	Cracking (RC and Other)	SF	1300	0	1300	0	0
(12) Deck all spans scattered cracks up to 0.020 wide.							



Asset #D6926(Routine)

I-30 W.B. Service over Crooked Creek

Location: 2.9 M West Jct SH 338

Team Lead: Chris Doggett, Inspection Date: 08/16/2021

## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	900	900	0	0	0
515	Steel Protective Coating	SF	5103	0	5103	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	5103	0	5103	0	0
(107) .							
(515-107) .							

## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	110	98	12	0	0
1130	Cracking (RC and Other)	LF	12	0	12	0	0
(215) Scattered cracks in the back wall of both abutments.							
225	Steel Pile	EA	25	25	0	0	0
515	Steel Protective Coating	SF	2648	2648	0	0	0
(225) .							
(515-225) .							
234	Reinforced Concrete Pier Cap	LF	165	165	0	0	0
(234) .							





Asset #D6926(Routine)

I-30 W.B. Service over Crooked Creek

Location: 2.9 M West Jct SH 338

Team Lead: Chris Doggett, Inspection Date: 08/16/2021

## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Soffit view



Deck view



Inventory looking east

**Maintenance Needs**

**Date Reported:** 08/16/2021  
**Priority:** C - Important  
**Type of Work:** Repair (General)  
**Status:** Open  
**Component:** Element

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**Deficiency Description**

All interior bents have local scour action at each column.

**Remarks**

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Bent 4: local scour at all columns at this bent.  
Common to each interior bent.



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**I-30 W.B. Service over Crooked Creek**

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**Team Lead:** Chris Doggett, **Inspection Date:** 08/16/2021

## **Routine Maintenance**

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	





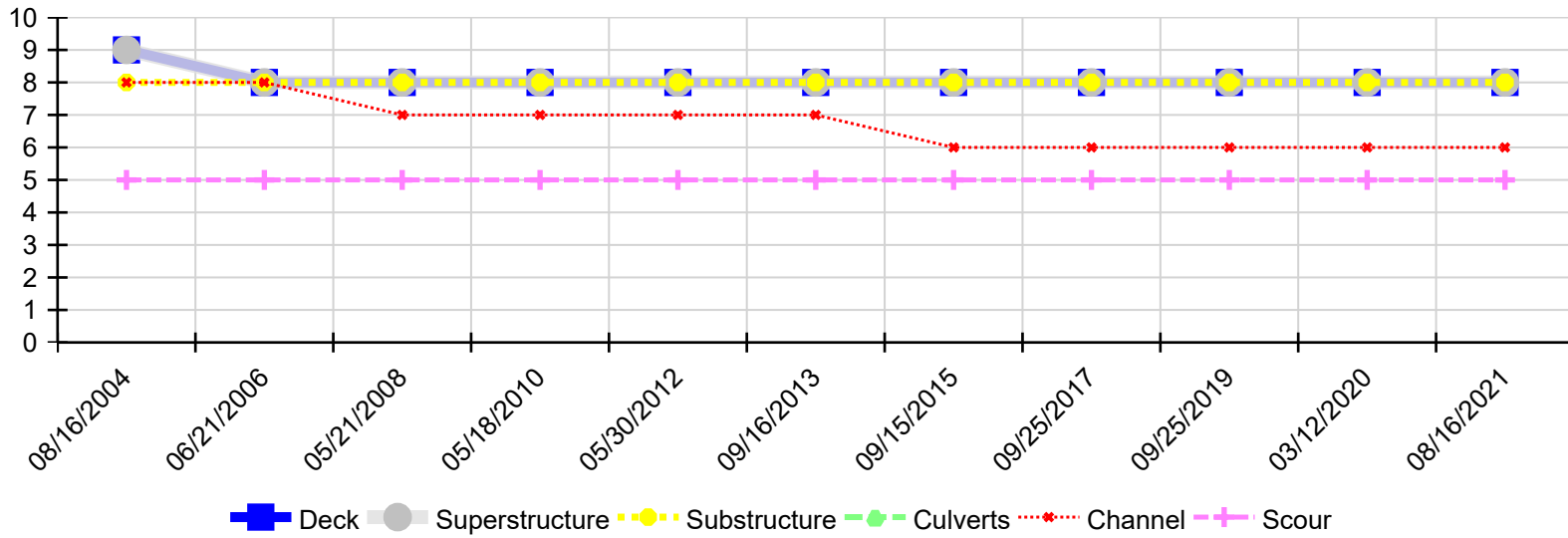
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I-30 W.B. Service over Crooked Creek

Location: 2.9 M West Jct SH 338

Team Lead: Chris Doggett, Inspection Date: 08/16/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/16/2021	8	8	8	N	6	5
03/12/2020	8	8	8	N	6	5
09/25/2019	8	8	8	N	6	5
09/25/2017	8	8	8	N	6	5
09/15/2015	8	8	8	N	6	5
09/16/2013	8	8	8	N	7	5
05/30/2012	8	8	8	N	7	5
05/18/2010	8	8	8	N	7	5
05/21/2008	8	8	8	N	7	5
06/21/2006	8	8	8	N	8	5
08/16/2004	9	9	8	N	8	5