



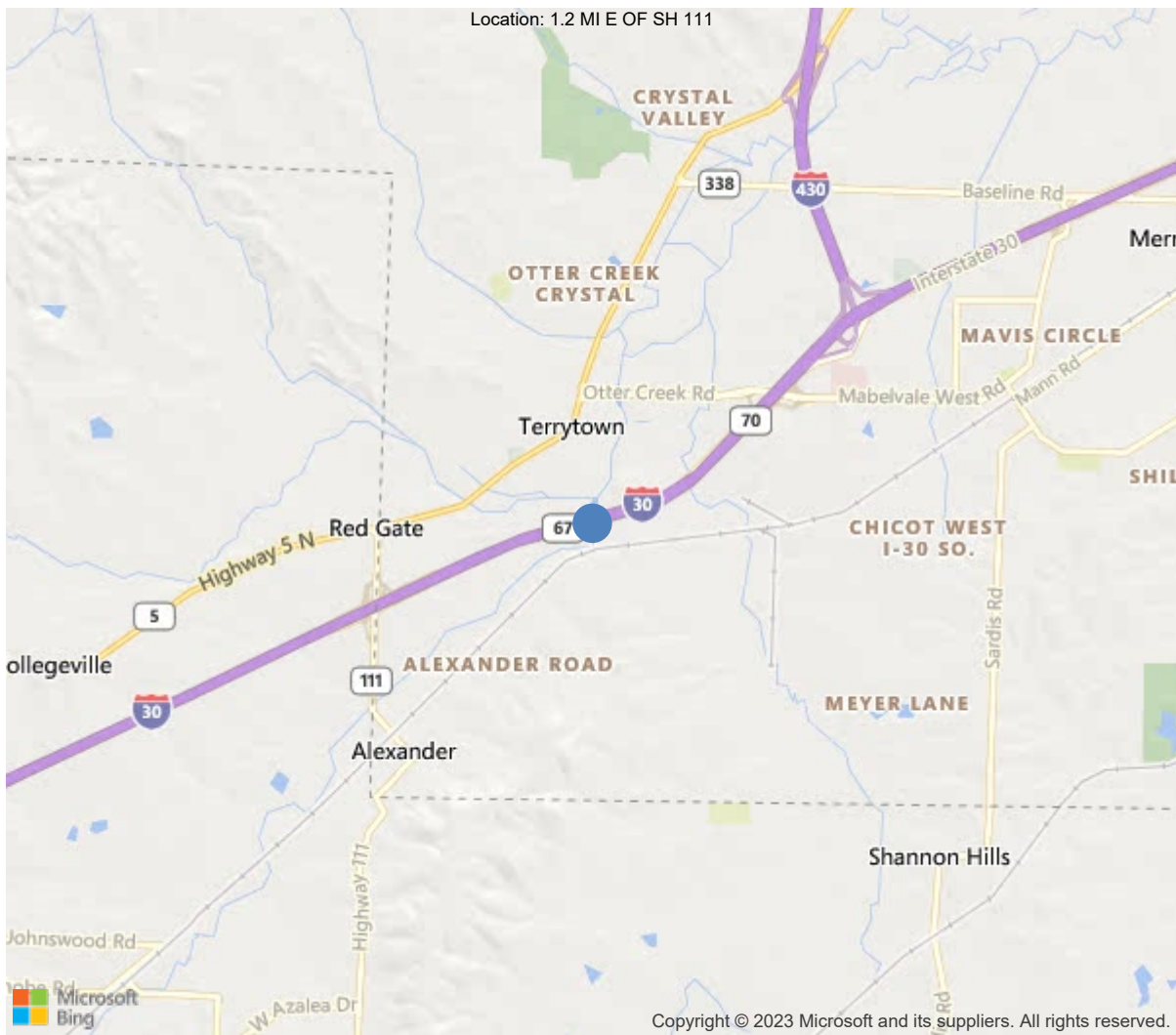
Latitude:34.64659, Longitude:-92.42556

Route:30 Section:23 Log:127.52

Arnold Road ID:60x30x414xA, Arnold Log mile:1.165

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency



34.64659, -92.42556



Asset #C2804(Routine)

I-30 EB FRONT RD over CROOKED CREEK

Location: 1.2 MI E OF SH 111

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	C2804
(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 EB FRONT RD
(9) Location	1.2 MI E OF SH 111
(11) Mile Point	127.52 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.64659
(17) Longitude	-92.42556
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1959
(106) Year Reconstructed	1993
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	3004
(30) Year of ADT	2014
(109) Truck ADT	1 %
(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	32.2 ft
(52) Deck Width Out to Out	35 ft
(32) Approach Roadway Width (W/Shoulders)	32 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	32 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 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	1
(26) Functional Class	11 - Urban Principal Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	R - The right structure of par
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(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	7
(59) Superstructure	8
(60) Substructure	7
(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	
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 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	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	2750
(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 #C2804(Routine)

District: 06, County: 119 - Pulaski County

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

General Observation

Job#60452, Drawing #31010 for layout.
Logged looking east.

A-46 - Asset Files

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I-30 EB FRONT RD over CROOKED CREEK

Location: 1.2 MI E OF SH 111

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6300	5608	472	220	0
1120	Efflorescence/Rust Staining	SF	52	0	52	0	0
1130	Cracking (RC and Other)	SF	640	0	420	220	0
(12) Unsealed deck cracks in all spans up to 0.050inch. Soffit overhangs have cracks with light efflorescence.							
107	Steel Open Girder/Beam	LF	900	900	0	0	0
515	Steel Protective Coating	SF	5103	5103	0	0	0
205	Reinforced Concrete Column	EA	10	4	6	0	0
1190	Abrasion/Wear (PSC/RC)	EA	6	0	6	0	0
(205) Columns at bents 4,5 & 6 have minor abrasion.							
210	Reinforced Concrete Pier Wall	LF	105	0	105	0	0
1190	Abrasion/Wear (PSC/RC)	LF	105	0	105	0	0
(210) Minor abrasion on all the pier walls.							
215	Reinforced Concrete Abutment	LF	110	95	15	0	0
1130	Cracking (RC and Other)	LF	15	0	15	0	0
(215) Bent 1 cracks in backwall. Bent 7 small vertical cracks in abutment.							
234	Reinforced Concrete Pier Cap	LF	165	162	3	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(234) Bent 4 cap small vertical cracks.							
302	Compression Joint Seal	LF	96	64	32	0	0
2330	Seal Damage	LF	32	0	32	0	0
(302) Abutment 1 joint seal, torn.							
311	Movable Bearing	EA	20	20	0	0	0
313	Fixed Bearing	EA	20	20	0	0	0
331	Reinforced Concrete Bridge Railing	LF	360	354	6	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0

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Location: 1.2 MI E OF SH 111

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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	5103	0	0	0

Asset #C2804(Routine)
I-30 EB FRONT RD over CROOKED CREEK



Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Deck view



Soffit view



Inventory looking east

Maintenance Needs

Date Reported: 08/13/2019
Priority: C - Important
Type of Work: Repair (General)
Status: RepairDocumented
Component: Approach

Deficiency Description

West end of bridge guard rail crash barrier damaged. See photo.

Remarks

Guardrail has been repaired by state forces.



West end of bridge guard rail crash barrier damaged.



Guard rail has been repaired

Date Reported: 08/15/2011
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Unsealed deck cracks in all spans up to 0.050 inch.

Remarks



Bent 4: large unsealed transverse cracks. Similar cracks at spans 5&6 also.



Deck span 4 transverse cracks up to 0.050 wide.

Date Reported: 08/17/2021
Priority: C - Important
Type of Work: Repair (General)
Status: Open
Component: Channel

Deficiency Description

Most interior bents have local scour action at the columns.

Remarks



Local scour action at bent 3.



Bent 4: right side of pier 4 local scour action and log resting against pier.

Date Reported: 08/17/2021
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 1 - Clean
Status: Open
Component: Channel

Deficiency Description

Right side of bridge with heavy growth of vegetation.

Remarks



Right side of bridge with heavy growth of vegetation.



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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	

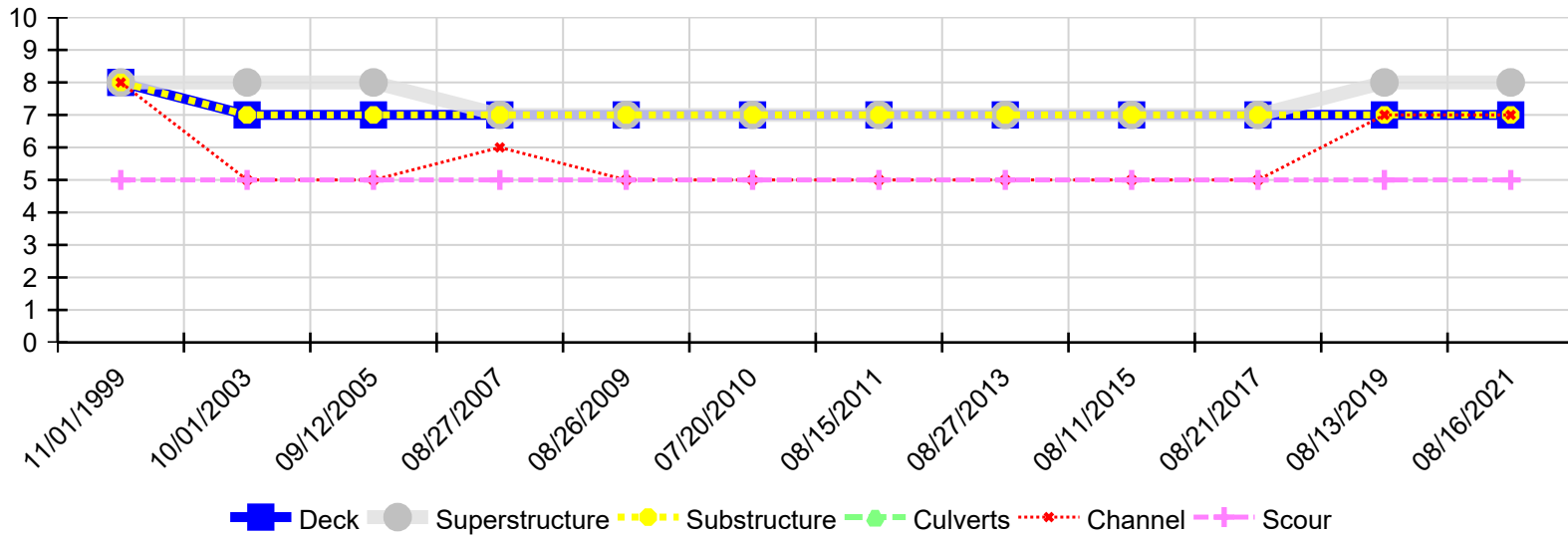


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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/16/2021	7	8	7	N	7	5
08/13/2019	7	8	7	N	7	5
08/21/2017	7	7	7	N	5	5
08/11/2015	7	7	7	N	5	5
08/27/2013	7	7	7	N	5	5
08/15/2011	7	7	7	N	5	5
07/20/2010	7	7	7	N	5	5
08/26/2009	7	7	7	N	5	5
08/27/2007	7	7	7	N	6	5
09/12/2005	7	8	7	N	5	5
10/01/2003	7	8	7	N	5	5
11/01/1999	8	8	8	N	8	5