



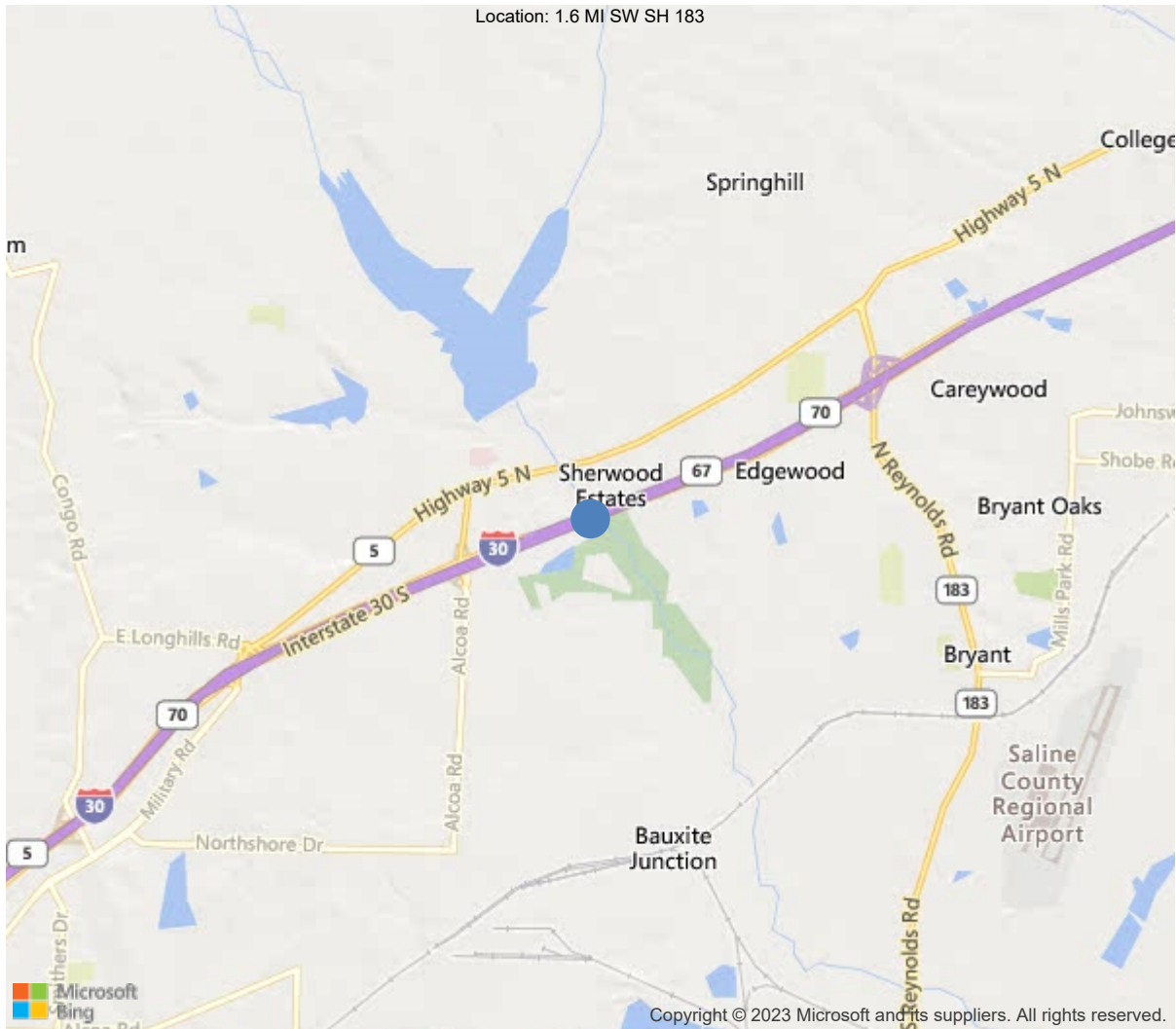
Latitude:34.60894, Longitude:-92.52319

Route:30 Section:22 Log:121.36

Arnold Road ID:62x30x362xA, Arnold Log mile:4.752

District 06, 125 - Saline County

Owner: 1 - State Highway Agency



34.60894, -92.52319





Asset #C2811 (Routine)

I-30 EB FR Road over HURRICANE CREEK

Location: 1.6 MI SW SH 183

Team Lead: Bryan Saunders, Inspection Date: 03/29/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	C2811
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	125 - Saline County
(4) Place Code	0
(6) Features Intersected	HURRICANE CREEK
(7) Facility Carried	I-30 EB FR Road
(9) Location	1.6 MI SW SH 183
(11) Mile Point	121.36 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.60894
(17) Longitude	-92.52319
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1 - Concrete
Type	1 - Slab
(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	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	8287
(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	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	31.5 ft
(32) Approach Roadway Width (W/Shoulders)	28.9 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	28.9 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	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	5
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	57
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	34
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(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	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	211 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 533
(96) Total Project Cost	\$ 1842
(97) Year of Improvement Cost Estimate	1999
(114) Future ADT	5500
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/29/2022		
(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 #C2811(Routine)

District: 06, County: 125 - Saline County

Team Lead: Bryan Saunders, Inspection Date: 03/29/2022

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**General Observation**

See AHTD drawing # 9910 for layout.

Logged east bound.

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**A-46 - Asset Files**

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ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab		SF	5040	3845	939	256	0
1080	Delamination/Spall/Patched Area		SF	135	0	129	6	0
1090	Exposed Rebar		SF	34	0	0	34	0
1120	Efflorescence/Rust Staining		SF	160	0	160	0	0
1130	Cracking (RC and Other)		SF	866	0	650	216	0
(38) The ends of the slab spans at Bents 2,3,4 and 6 have vertical cracks with delaminations. Spalls and spalls with exposed rebar and on the soffit of all spans. The soffit at center line has longitudinal cracks with rust stains that reflects through to the deck surface. The deck on all spans have patched areas and cracks have been sealed by state forces in the past but are deteriorating.								
205	Reinforced Concrete Column		EA	10	4	6	0	0
1190	Abrasion/Wear (PSC/RC)		EA	6	0	6	0	0
210	Reinforced Concrete Pier Wall		LF	118	20	84	14	0
1080	Delamination/Spall/Patched Area		LF	6	0	0	6	0
1090	Exposed Rebar		LF	9	0	1	8	0
1130	Cracking (RC and Other)		LF	11	0	11	0	0
1190	Abrasion/Wear (PSC/RC)		LF	72	0	72	0	0
(210) Moderate abrasion at bent 3,4 & 5. Spalls and spalls with exposed rebar.								
215	Reinforced Concrete Abutment		LF	85	76	9	0	0
1080	Delamination/Spall/Patched Area		LF	3	0	3	0	0
1130	Cracking (RC and Other)		LF	6	0	6	0	0
234	Reinforced Concrete Pier Cap		LF	143	125	4	14	0
1080	Delamination/Spall/Patched Area		LF	12	0	4	8	0
1090	Exposed Rebar		LF	6	0	0	6	0
301	Pourable Joint Seal		LF	130	0	0	0	130
2310	Leakage		LF	130	0	0	0	130
(301) All the pourable joint seals are missing and are full of debris.								
330	Metal Bridge Railing		LF	360	360	0	0	0
515	Steel Protective Coating		SF	720	0	600	120	0
3410	Chalking (Steel Protective Coatings)		LF	720	0	600	120	0
(515-330) All the protective coating on the metal bridge rail is chalky and peeling								

**Asset #C2811(Routine)**



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I-30 EB FR Road over HURRICANE CREEK

Location: 1.6 MI SW SH 183

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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4





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Location: 1.6 MI SW SH 183

Team Lead: Bryan Saunders, Inspection Date: 03/29/2022

## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	10	4	6	0	0
1190	Abrasion/Wear (PSC/RC)	EA	6	0	6	0	0
210	Reinforced Concrete Pier Wall	LF	118	20	84	14	0
1080	Delamination/Spall/Patched Area	LF	6	0	0	6	0
1090	Exposed Rebar	LF	9	0	1	8	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
1190	Abrasion/Wear (PSC/RC)	LF	72	0	72	0	0
(210) Moderate abrasion at bent 3,4 & 5. Spalls and spalls with exposed rebar.							
215	Reinforced Concrete Abutment	LF	85	76	9	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
234	Reinforced Concrete Pier Cap	LF	143	125	4	14	0
1080	Delamination/Spall/Patched Area	LF	12	0	4	8	0
1090	Exposed Rebar	LF	6	0	0	6	0



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## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Approach looking east



Deck cracks span 6



Rebar exposed in span 5





Deck view



Joint at bent 2



Cracks with rust staining span 5



Spall with rebar in the cap at bent 6



Spall with rebar in span 6



Bt. 6 ahead left end, spall with exposed rebar.





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**I-30 EB FR Road over HURRICANE CREEK**

**Location: 1.6 MI SW SH 183**

**Team Lead: Bryan Saunders, Inspection Date: 03/29/2022**

#### **Maintenance Needs**

**Date Reported:** 03/23/2016  
**Priority:** C - Important  
**Type of Work:** (Inactive) (Inactive) 9 - None  
**Status:** Monitor  
**Component:**

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#### **Deficiency Description**

The "soffit" or bottom of the slab spans, have longitudinal cracks and delaminations with rust stains.

#### **Remarks**

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Span 4 right side spall with exposed rebar.



Span 2, delam with rust staining.



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**I-30 EB FR Road over HURRICANE CREEK**

**Location: 1.6 MI SW SH 183**

**Team Lead:** Bryan Saunders, **Inspection Date:** 03/29/2022

**Date Reported:** 03/23/2016

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Monitor

**Component:**

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**Deficiency Description**

The ends of the slab spans at Bents 2,3,4 and 6 have vertical cracks with delaminations.

**Remarks**

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Span 6 left side delamination on end of slab.



Right side bent 6: the end of span 7 is spalling.





Span 1 left end, at Bt. 2, spall at the end of the slab.



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**I-30 EB FR Road over HURRICANE CREEK**

**Location: 1.6 MI SW SH 183**

**Team Lead:** Bryan Saunders, **Inspection Date:** 03/29/2022

**Date Reported:** 03/23/2016

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Monitor

**Component:**

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**Deficiency Description**

Bent 4 and 6, spalls with exposed rebar on the ahead face at the top.  
Left ahead end of Bent 6 has loss 2 inches of bearing area.

**Remarks**

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Bent 6 ahead side: large spall with exposed rebar.



Bent 6 pier wall ahead spall with exposed rebar.



Bt. 4, ahead left en of cap, spall with exposed rebar.



Left ahead end of Bent 6 has loss 2 inches of bearing area.



**Date Reported:** 03/31/2022  
**Priority:** B - Pressing  
**Type of Work:** Repair (General)  
**Status:** Open  
**Component:** Deck

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**Deficiency Description**

spall with exposed rebar showing in bridge deck located in span 5

**Remarks**

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Scaling span 5



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**Location: 1.6 MI SW SH 183**

**Team Lead: Bryan Saunders, Inspection Date: 03/29/2022**

## **Routine Maintenance**

Check Box Maintenance Items

<b>Type of Maintenance</b>	<b>Is recommended?</b>
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	



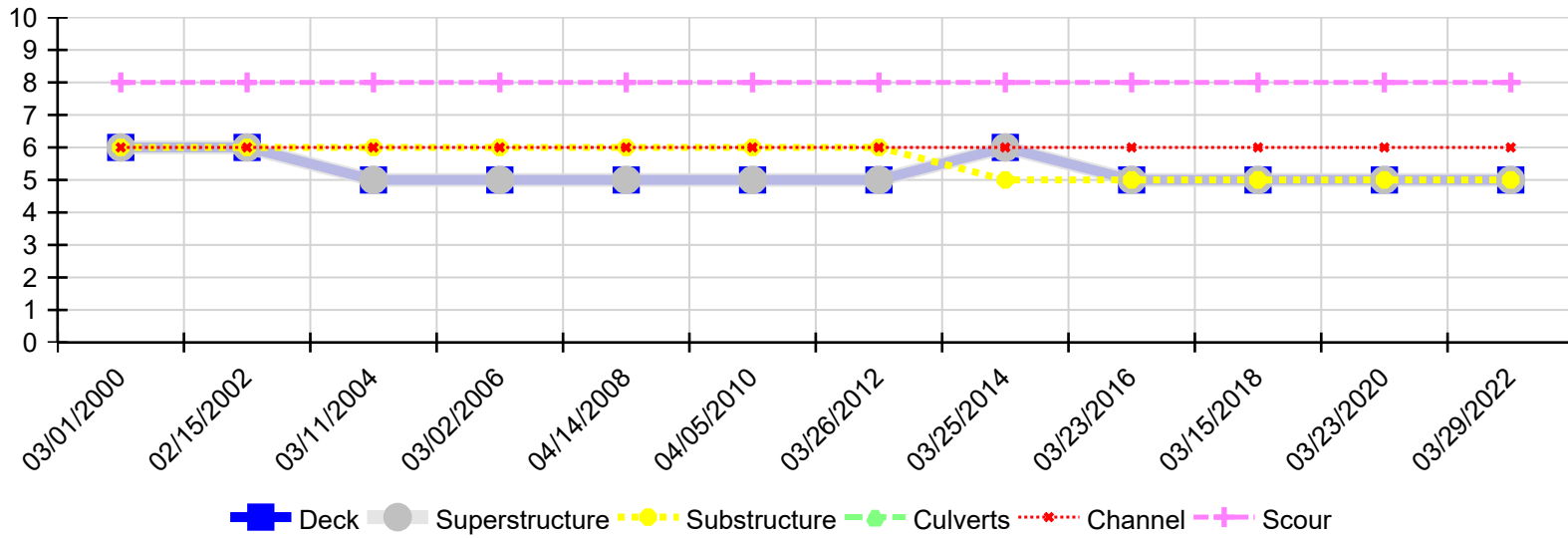
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Team Lead: Bryan Saunders, Inspection Date: 03/29/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/29/2022	5	5	5	N	6	8
03/23/2020	5	5	5	N	6	8
03/15/2018	5	5	5	N	6	8
03/23/2016	5	5	5	N	6	8
03/25/2014	6	6	5	N	6	8
03/26/2012	5	5	6	N	6	8
04/05/2010	5	5	6	N	6	8
04/14/2008	5	5	6	N	6	8
03/02/2006	5	5	6	N	6	8
03/11/2004	5	5	6	N	6	8
02/15/2002	6	6	6	N	6	8
03/01/2000	6	6	6	N	6	8