



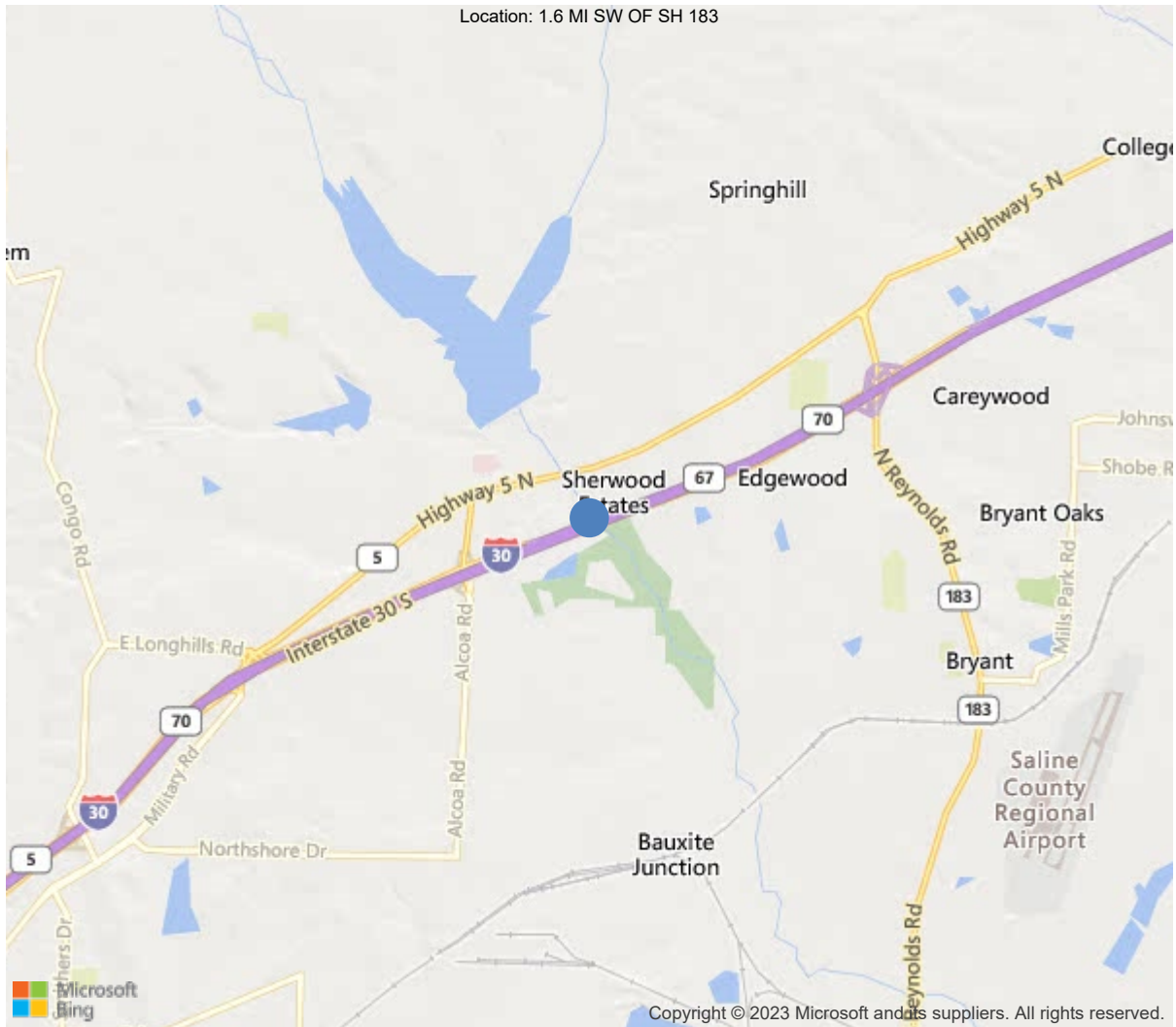
Latitude:34.60947, Longitude:-92.52349

Route:30 Section:22 Log:121.36

Arnold Road ID:62x30x367xA, Arnold Log mile:5.006

District 06, 125 - Saline County

Owner: 1 - State Highway Agency



34.60947, -92.52349



Asset #B2811 (Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF SH 183

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	B2811
(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 WB FR Road
(9) Location	1.6 MI SW OF SH 183
(11) Mile Point	121.36 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.60947
(17) Longitude	-92.52349
(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	7179
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	180 ft
(50) Curb or Sidewalk Width	
Left	1.4 ft
Right	1.4 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	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(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			
* 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.			



Asset #B2811(Routine)

District: 06, County: 125 - Saline County

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

General Observation

See AHTD drawing # 9909 for layout.

Logged east bound.

A-46 - Asset Files

-

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

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab		SF	5040	3780	1095	165	0
1080	Delamination/Spall/Patched Area		SF	202	0	178	24	0
1090	Exposed Rebar		SF	61	0	17	44	0
1120	Efflorescence/Rust Staining		SF	97	0	0	97	0
1130	Cracking (RC and Other)		SF	900	0	900	0	0
(38) The ends of the slab spans at Bents 2,3,4,5 & 6 have cracks and delaminations. See photo All spans have spalls with exposed rebar in soffit. Deck cracks have been sealed by state forces but are beginning to deteriorate.								
205	Reinforced Concrete Column		EA	10	0	9	1	0
1080	Delamination/Spall/Patched Area		EA	1	0	1	0	0
1090	Exposed Rebar		EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)		EA	8	0	8	0	0
210	Reinforced Concrete Pier Wall		LF	137	0	119	18	0
1080	Delamination/Spall/Patched Area		LF	11	0	0	11	0
1090	Exposed Rebar		LF	8	0	1	7	0
1130	Cracking (RC and Other)		LF	8	0	8	0	0
1190	Abrasion/Wear (PSC/RC)		LF	110	0	110	0	0
(210) Top of footings exposed bents 3,4&5. Spalls and spalls with exposed rebar on all pier walls.								
215	Reinforced Concrete Abutment		LF	85	82	3	0	0
1130	Cracking (RC and Other)		LF	3	0	3	0	0
234	Reinforced Concrete Pier Cap		LF	143	122	4	17	0
1080	Delamination/Spall/Patched Area		LF	13	0	4	9	0
1090	Exposed Rebar		LF	8	0	0	8	0
301	Pourable Joint Seal		LF	130	0	0	130	0
2310	Leakage		LF	130	0	0	130	0
(301) All joint seals are missing allowing debris impaction								
330	Metal Bridge Railing		LF	360	360	0	0	0
515	Steel Protective Coating		SF	720	0	460	260	0
3410	Chalking (Steel Protective Coatings)		LF	720	0	460	260	0
(330) The rail has freckled rust.								

Deck

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab		SF	5040	3780	1095	165	0
1080	Delamination/Spall/Patched Area		SF	202	0	178	24	0
1090	Exposed Rebar		SF	61	0	17	44	0
1120	Efflorescence/Rust Staining		SF	97	0	0	97	0
1130	Cracking (RC and Other)		SF	900	0	900	0	0
(38) The ends of the slab spans at Bents 2,3,4,5 & 6 have cracks and delaminations. See photo All spans have spalls with exposed rebar in soffit. Deck cracks have been sealed by state forces but are beginning to deteriorate.								



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
----------	-------------	-------	-------	-----	-----	-----	-----



Asset #B2811(Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF 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	0	9	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
1090	Exposed Rebar	EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)	EA	8	0	8	0	0
210	Reinforced Concrete Pier Wall	LF	137	0	119	18	0
1080	Delamination/Spall/Patched Area	LF	11	0	0	11	0
1090	Exposed Rebar	LF	8	0	1	7	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
1190	Abrasion/Wear (PSC/RC)	LF	110	0	110	0	0
(210) Top of footings exposed bents 3,4&5. Spalls and spalls with exposed rebar on all pier walls.							
215	Reinforced Concrete Abutment	LF	85	82	3	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
234	Reinforced Concrete Pier Cap	LF	143	122	4	17	0
1080	Delamination/Spall/Patched Area	LF	13	0	4	9	0
1090	Exposed Rebar	LF	8	0	0	8	0



Asset #B2811(Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF SH 183

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

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
----------	-------------	-------	-------	-----	-----	-----	-----



Elevation



Approach looking west



Deck cracks span 6



Spall in the deck span 3



Sealed deck cracks span 2



Joint at bent 2



Deck view



Soffit view



Bent 2 left side large vertical crack and exposed rebar



Spall with rebar span 3



Bent 5 column 2 rebar

Maintenance Needs

Date Reported: 03/26/2012
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

The ends of the slab spans at Bents 2,3,4,5 & 6 have cracks and delaminations.

Remarks



Bent 2 span 1 right side spall with exposed rebar.



Span 6 at bent 6 right side of slab has large delam



Left end of span 1, Bt. 2, spall with exposed rebar.



Asset #B2811(Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF SH 183

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

Date Reported: 03/26/2012

Priority: C - Important

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

Status: Monitor

Component:

Deficiency Description

Bottom of slab spans have spalls with exposed rebar.

Remarks



Span 2 spalls with exposed rebar.



Span 5, right side , exposed rebar.

Date Reported: 03/27/2020
Priority: C - Important
Type of Work: Repair (General)
Status: Monitor
Component:

Deficiency Description

Bent 6 cap has a large spall with exposed rebar on the ahead left end.
Bent 3, cap has a spall with exposed rebar on the ahead right end.

Remarks



Bent 6 cap has a large spall with exposed rebar on the ahead left end.



Asset #B2811(Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF SH 183

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

Date Reported: 03/30/2022
Priority: B - Pressing
Type of Work: Repair (General)
Status: Open
Component: Approach

Deficiency Description

potholes in the approach roadway at bent 7 abutment

Remarks



Potholes at bent 7 approach



Asset #B2811(Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF SH 183

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

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	



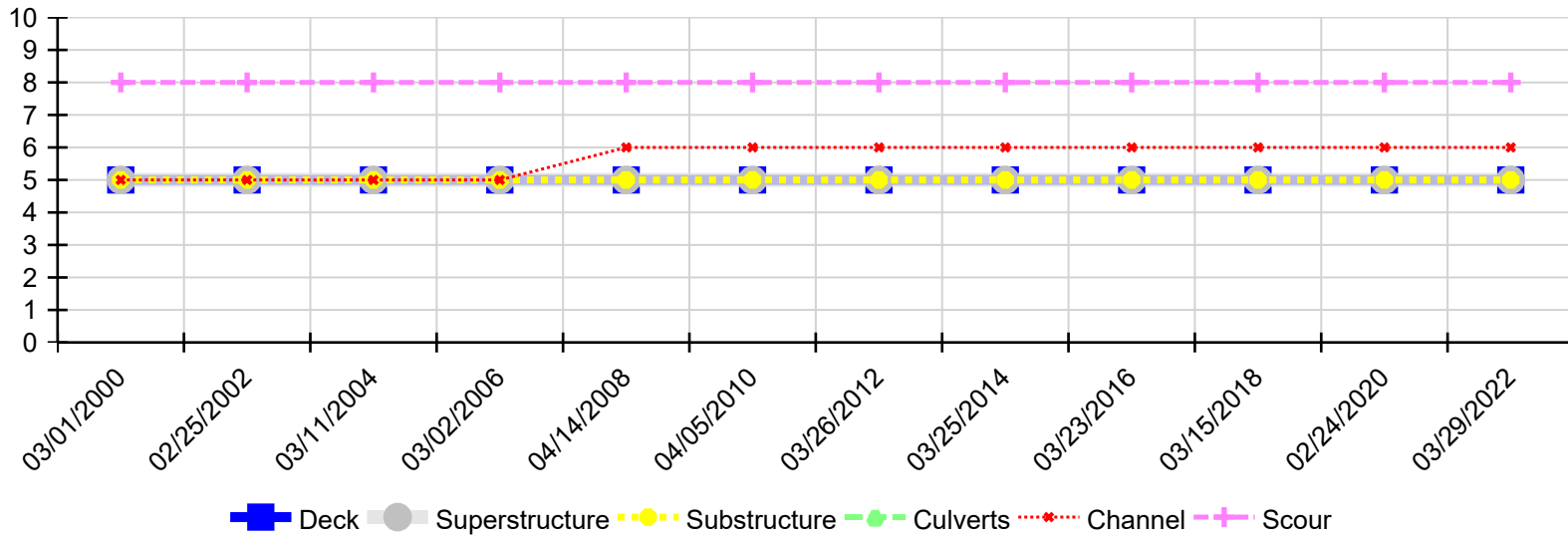
Asset #B2811(Routine)

I-30 WB FR Road over HURRICANE CREEK

Location: 1.6 MI SW OF SH 183

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
02/24/2020	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	5	5	5	N	6	8
03/26/2012	5	5	5	N	6	8
04/05/2010	5	5	5	N	6	8
04/14/2008	5	5	5	N	6	8
03/02/2006	5	5	5	N	5	8
03/11/2004	5	5	5	N	5	8
02/25/2002	5	5	5	N	5	8
03/01/2000	5	5	5	N	5	8