



Latitude:34.57483, Longitude:-92.49524

Route:183 Section:01 Log:5.16

Arnold Road ID:62x183x1xA, Arnold Log mile:5.177

District 06, 125 - Saline County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

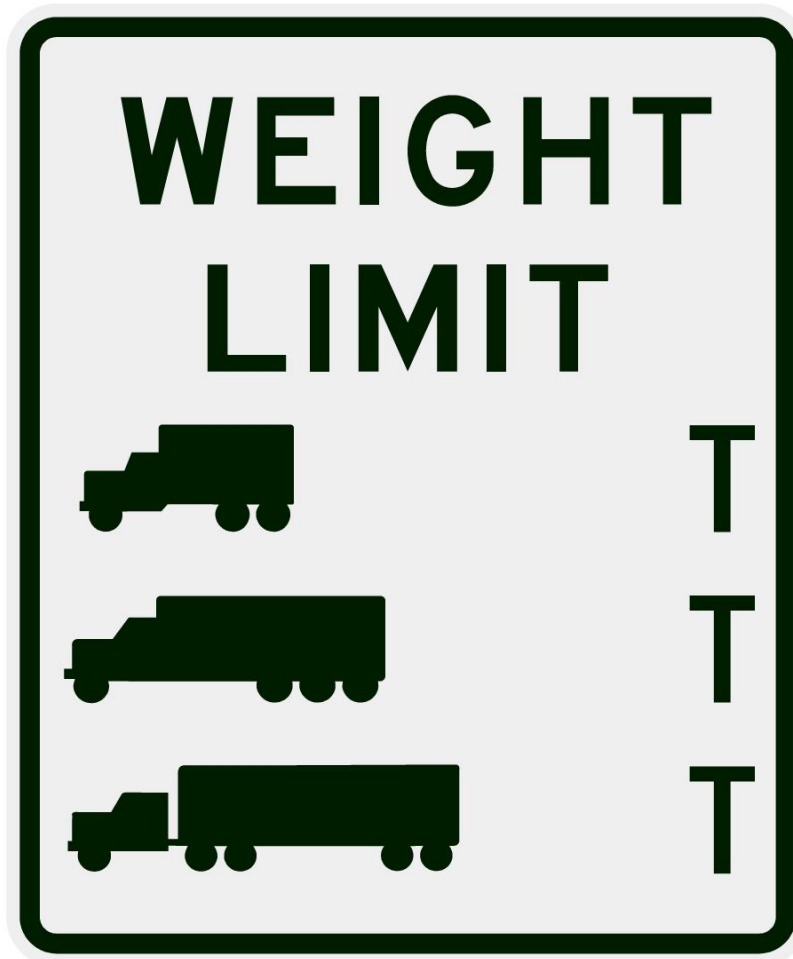
### Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

70 - Bridge Posting: 5 - Equal to or above legal loads

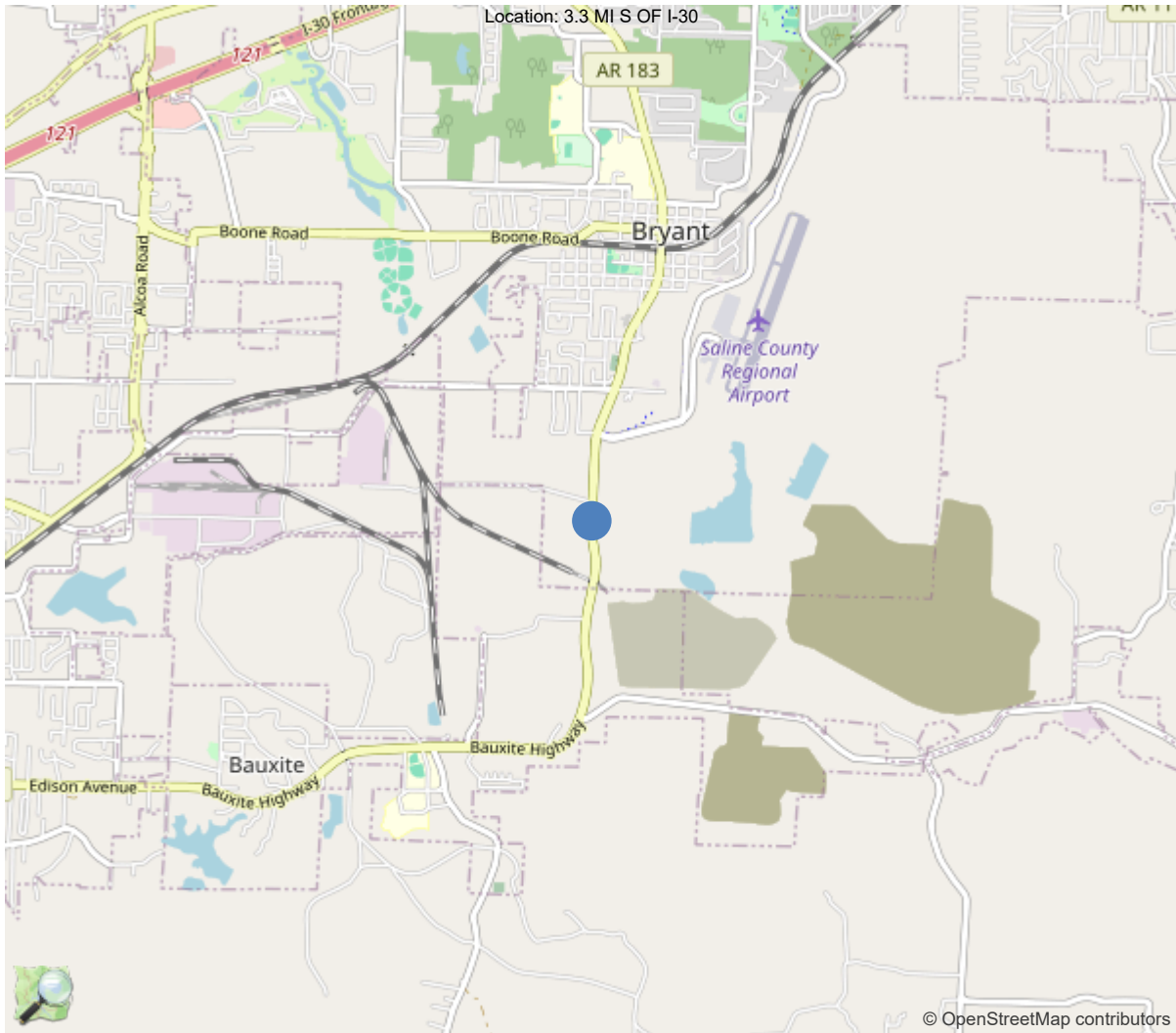
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	48		
Code 5 (40 Tons)	56		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR





34.57483, -92.49524



Asset #05397(Routine, Underwater type 2)

SH 183 Log 5.35 over HURRICANE CREEK

Location: 3.3 MI S OF I-30

Team Lead: Shane Byrd Inspection Date: 03/13/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05397
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	125 - Saline County
(4) Place Code	9460
(6) Features Intersected	HURRICANE CREEK
(7) Facility Carried	SH 183 Log 5.35
(9) Location	3.3 MI S OF I-30
(11) Mile Point	5.16 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.57483
(17) Longitude	-92.49524
(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	1972
(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	10000
(30) Year of ADT	2018
(109) Truck ADT	9 %
(19) Bypass, Detour Length	20 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	210 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	39 ft
(52) Deck Width Out to Out	42.3 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	40 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 exis
(102) Direction of Traffic	2 - 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	6
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	6
(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	
(68) Deck Geometry	5
(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	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(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	7560
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/13/2024		
(91) Frequency	24		
(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.			





**Asset #05397**(Routine, Underwater type 2)

**SH 183 Log 5.35 over HURRICANE CREEK**

**Location: 3.3 MI S OF I-30**

**Team Lead: Shane Byrd Inspection Date: 03/13/2024**

**General Observation**

Job #6924 Drawing #16330 for layout. Logged north bound

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Asset #05397(Routine, Underwater type 2)

SH 183 Log 5.35 over HURRICANE CREEK

Location: 3.3 MI S OF I-30

Team Lead: Shane Byrd Inspection Date: 03/13/2024

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	8873	4495	3648	730	0
1080	Delamination/Spall/Patched Area	SF	3402	0	3360	42	0
1090	Exposed Rebar	SF	5	0	0	5	0
1130	Cracking (RC and Other)	SF	971	0	288	683	0
(38) Spans 1,2, & 4 have spalls with rebar on the soffit at scupper drains. Side of deck slab over bents 2, 3, 4 and 6 on the upstream and downstream side Large delaminations on side of slab. Deck all spans have scattered spalls in the main lanes and shoulders. Deck all spans have scattered crack, span 2 worst case has large transverse crack on two foot centers.							
205	Reinforced Concrete Column	EA	15	13	1	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
1090	Exposed Rebar	EA	1	0	0	1	0
(205) Bent 5 column 2 ahead spall with exposed rebar. Bent 6 column 3 right side small spall.							
215	Reinforced Concrete Abutment	LF	96	96	0	0	0
234	Reinforced Concrete Pier Cap	LF	296	264	15	17	0
1080	Delamination/Spall/Patched Area	LF	24	0	15	9	0
1090	Exposed Rebar	LF	8	0	0	8	0
(234) Bent 2 cap spalls with exposed rebar on the back face on both ends and delams on the ahead and face side. Bent 3,4,5 & 6 have spalls and delaminations.							
301	Pourable Joint Seal	LF	294	0	0	0	294
2310	Leakage	LF	294	0	0	0	294
(301) All pourable joint seals have lost bond and leak.							
321	Reinforced Concrete Approach Slab	SF	625	0	625	0	0
4000	Settlement	SF	625	0	625	0	0
(321) The north approach slab has settled. The south approach slab has been overlaid since last inspection.							
330	Metal Bridge Railing	LF	420	420	0	0	0
331	Reinforced Concrete Bridge Railing	LF	420	420	0	0	0



Elevation.



Span 5 spall with exposed rebar at right scupper drain.



Bent 6 cap back left of column 1 spall with rebar.



Bent 2 column 5 ahead spall with rebar.





Span 3 right side of slab at bent 3 delamination.



Channel view upstream.



Channel view downstream.



Span 2 under surface.





Bent 2 cap back at column 3 spall and delam.



Approach looking northbound.



Deck overview.



Deck span 2 transverse cracks on two foot centers.





Span 3 at bent 3 spall and spall filled with asphalt.



Span 5 spalls and spalls filled with asphalt.



North approach slab has settled up to 2"



**Maintenance Needs**

**Date Reported:** 03/07/2012

**Priority:** C - Important

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

**Status:** Monitor

**Component:**

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**Deficiency Description**

Both approach slab has settled Approx. 2 inches causing traffic to impact the bridge.

2018  
The south approach slab has been overlaid and no settlement can be detected. At the north approach slab the asphalt has heaved making a hump where vehicles impact it making a small ramp.  
The north approach slab adjacent to span 6 has settled.

**Remarks**

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North approach slab has settled up to 2"



The south approach slab that has been overlaid.



Approach at north end of bridge has setteled.



Asphalt has heaved up causing traffic to impact load the approach slab at the north end of the bridge.



### Maintenance Needs

Date Reported: 03/07/2012

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Element

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### Deficiency Description

Side of deck slab over bents 2, 3, 4 and 6 on the upstream and downstream side  
Large delaminations and spalls on side of slab.

### Remarks

Span 5 at Bt. 6, right side, delam.

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Span 5 at bent 6 delamination on the right side of slab.



Span 2 right side at bent 3 delam on slab and spall on end of cap.





**Maintenance Needs**

**Date Reported:** 03/07/2012

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Element

**Deficiency Description**

Deck, spans 1, 2, 3, 5 and 6.

Moderate to heavy scaling and spalls with with exposed rebar.

**Remarks**



Spalls in the deck at span 3 bent 4.







Spans 1 & 2, heavy scaling.



Span 3 spalls filled with asphalt.



Span 3, right shoulder: couple open spalls



Bent 4: couple open spalls at the joint.



Span 5: Spall at centerline.





Bent 6: Spall in the left lane



**Maintenance Needs**

**Date Reported:** 03/07/2012

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Element

**Deficiency Description**

Caps at Bents 2, 3, 4, 5 and 6.  
Spalls and delaminations.

**Remarks**



Bent 2 cap back left of column 1 spall with exposed rebar.



Cap at Bt. 4, back left side, spall.

**Maintenance Needs**

**Date Reported:** 03/07/2012

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Element

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**Deficiency Description**

Deck all spans

Pourable joint seals are leaking and are completely filled with debris.

**Remarks**

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Bt. 3, joint seal missing & full of debris.



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Location: 3.3 MI S OF I-30

Team Lead: Shane Byrd Inspection Date: 03/13/2024

## Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
A-55 - Deck Washing Needed	Yes
A-56 - Joint Cleaning/Flushing Needed	Yes
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	Yes
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	Yes
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No

**A-54 - Sealable Deck Cracks (Yes)**

**A-55 - Deck Washing Needed (Yes)**

**A-56 - Joint Cleaning/Flushing Needed (Yes)**





**Asset #05397**(Routine, Underwater type 2)

**SH 183 Log 5.35 over HURRICANE CREEK**

**Location: 3.3 MI S OF I-30**

**Team Lead: Shane Byrd Inspection Date: 03/13/2024**

**A-57 - Girder End and Bearing Painting Needed (No)**

**A-58 - Cap Cleaning/Flushing Needed (No)**

**A-59 - Joint Repair Needed (Yes)**

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (Yes)**

**A-62 - Hydro and LMC Advised (No)**

**A-63 - Missing/Incorrect Log Mile Signage (No)**

**A-64 - Vegetation Removal Requested (No)**



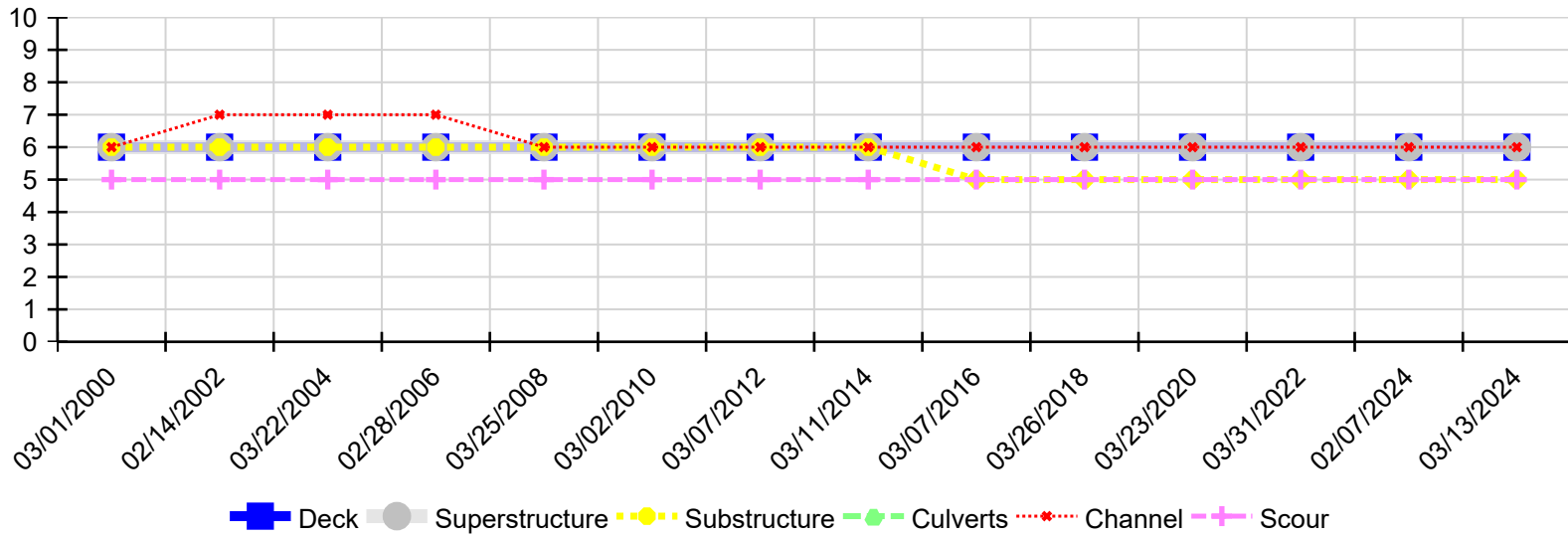
Asset #05397 (Routine, Underwater type 2)

SH 183 Log 5.35 over HURRICANE CREEK

Location: 3.3 MI S OF I-30

Team Lead: Shane Byrd Inspection Date: 03/13/2024

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/13/2024	6	6	5	N	6	5
02/07/2024	6	6	5	N	6	5
03/31/2022	6	6	5	N	6	5
03/23/2020	6	6	5	N	6	5
03/26/2018	6	6	5	N	6	5
03/07/2016	6	6	5	N	6	5
03/11/2014	6	6	6	N	6	5
03/07/2012	6	6	6	N	6	5
03/02/2010	6	6	6	N	6	5
03/25/2008	6	6	6	N	6	5
02/28/2006	6	6	6	N	7	5
03/22/2004	6	6	6	N	7	5
02/14/2002	6	6	6	N	7	5
03/01/2000	6	6	6	N	6	5