



Latitude:34.89629, Longitude:-92.50239

Route:300 Section:02 Log:12.8

Arnold Road ID:60x300x2xA, Arnold Log mile:12.791

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

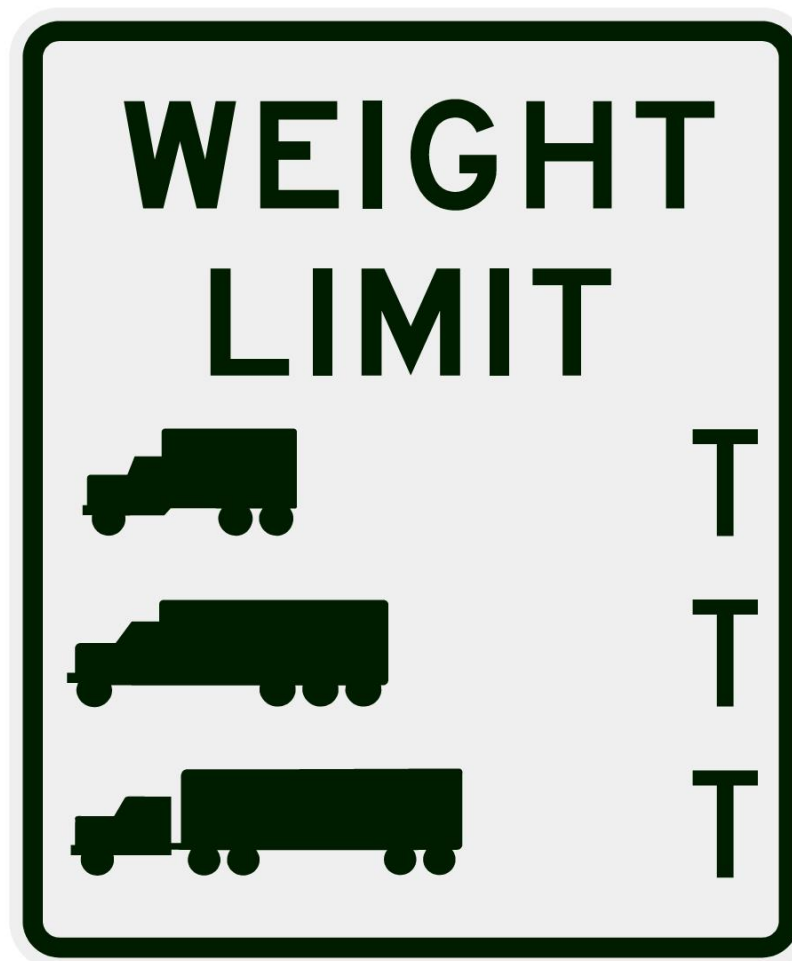
### Bridge Posting Information

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

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

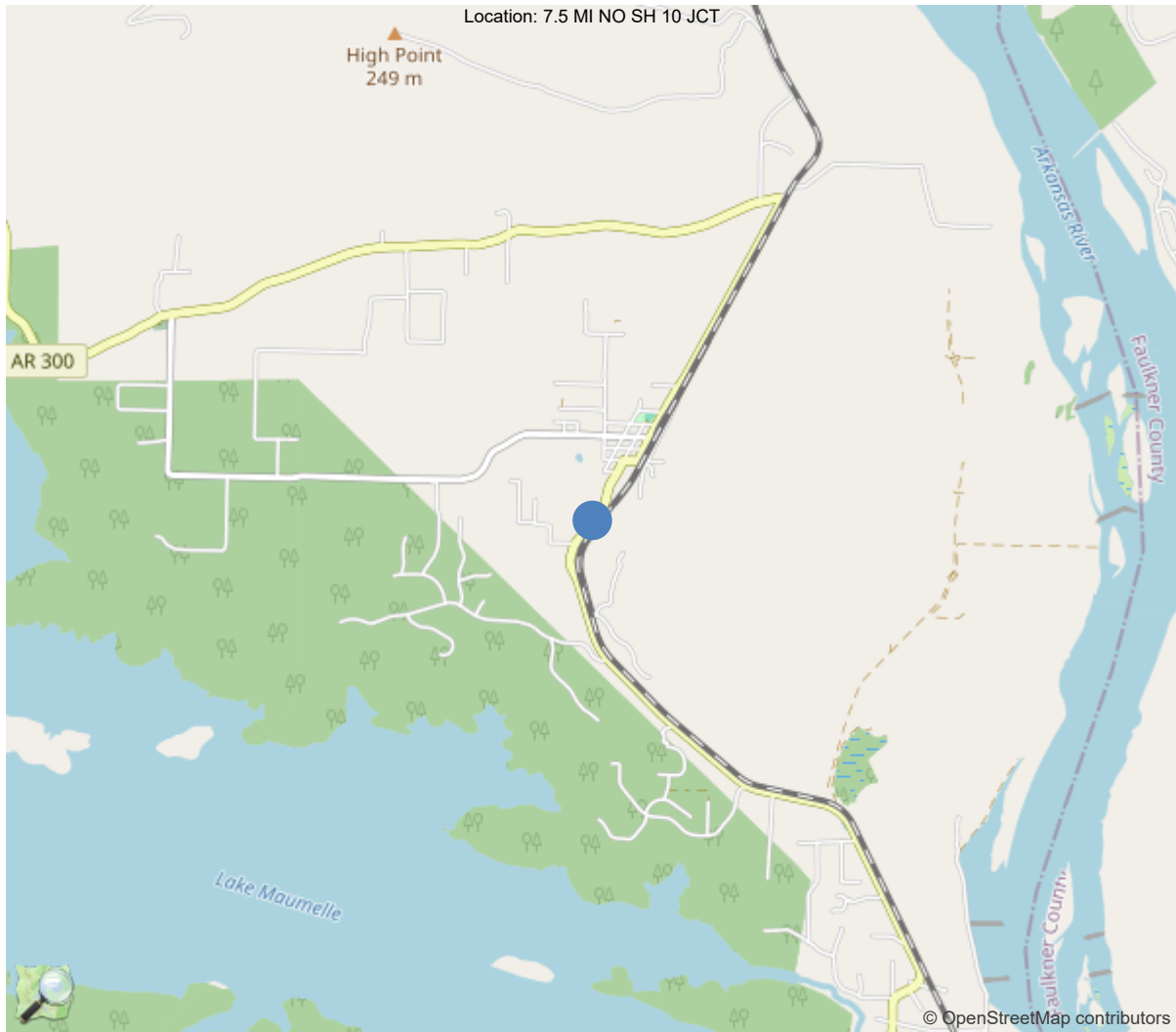
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	47		
Code 5 (40 Tons)	56		

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





34.89629, -92.50239



Asset #05811(Routine, Underwater type 2)

SH 300 Log 12.80 over MILL BAYOU

Location: 7.5 MI NO SH 10 JCT

Team Lead: Bryan Saunders Inspection Date: 02/10/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05811
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	0
(6) Features Intersected	MILL BAYOU
(7) Facility Carried	SH 300 Log 12.80
(9) Location	7.5 MI NO SH 10 JCT
(11) Mile Point	12.8 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.89629
(17) Longitude	-92.50239
(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	4
(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	1981
(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	1900
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	26 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	140 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)	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	33.5 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	6 - Rural 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	8
(59) Superstructure	8
(60) Substructure	8
(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	
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(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	2722
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	02/10/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	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 #05811**(Routine, Underwater type 2)

**SH 300 Log 12.80 over MILL BAYOU**

**Location: 7.5 MI NO SH 10 JCT**

**Team Lead:** Bryan Saunders **Inspection Date:** 02/10/2022

#### **General Observation**

See AHTD drawing # 22613 for layout. Logged east bound.

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**61 - Channel/Channel Protection** (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)  
channel profile and probed around piles Feb/2022

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	4900	4654	246	0	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1130	Cracking (RC and Other)	SF	245	0	245	0	0
(38) Deck has small unsealed cracks. Span 1 approximately 5' from bent 1 has a small spall.							
215	Reinforced Concrete Abutment	LF	83	55	28	0	0
1130	Cracking (RC and Other)	LF	28	0	28	0	0
(215) Bent 1 abutment has horizontal crack on the right hand side							
227	Reinforced Concrete Pile	EA	21	18	3	0	0
1080	Delamination/Spall/Patched Area	EA	3	0	3	0	0
234	Reinforced Concrete Pier Cap	LF	105	105	0	0	0
301	Pourable Joint Seal	LF	175	55	70	50	0
2310	Leakage	LF	120	0	70	50	0
(301) Joint at bent 1 has 12' of missing and leaking joint Joint seal at bent 5 is missing in both lanes and is full of debris							
321	Reinforced Concrete Approach Slab	SF	1050	968	65	17	0
1080	Delamination/Spall/Patched Area	SF	2	0	0	2	0
1130	Cracking (RC and Other)	SF	80	0	65	15	0
(321) Both approach slabs have scattered cracks and the east approach slab has a small spall that has been filled with asphalt							
331	Reinforced Concrete Bridge Railing	LF	280	280	0	0	0





Elevation



Approach looking South



Deck view



Deck view





Soffit view



Deck cracks in span 1



Small spall at east approach slab is half full of asphalt



Joint at bent 5





Horizontal crack at bent 1 abutment

**Maintenance Needs**

**Date Reported:** 02/11/2022

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Open

**Component:** Channel

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**Deficiency Description**

large tree growing at bent 3

**Remarks**

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Tree growing at bent 3





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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	
A-63 - Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

**A-54 - Sealable Deck Cracks**

**A-55 - Deck Washing Needed**

**A-56 - Joint Cleaning/Flushing Needed**



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**A-57 - Girder End and Bearing Painting Needed**

**A-58 - Cap Cleaning/Flushing Needed**

**A-59 - Joint Repair Needed**

**A-60 - Full Girder Painting Needed**

**A-61 - Polymer Overlay Advised**

**A-62 - Hydro and LMC Advised**

**A-63 - Missing/Incorrect Log Mile Signage**

**A-64 - Vegetation Removal Requested**





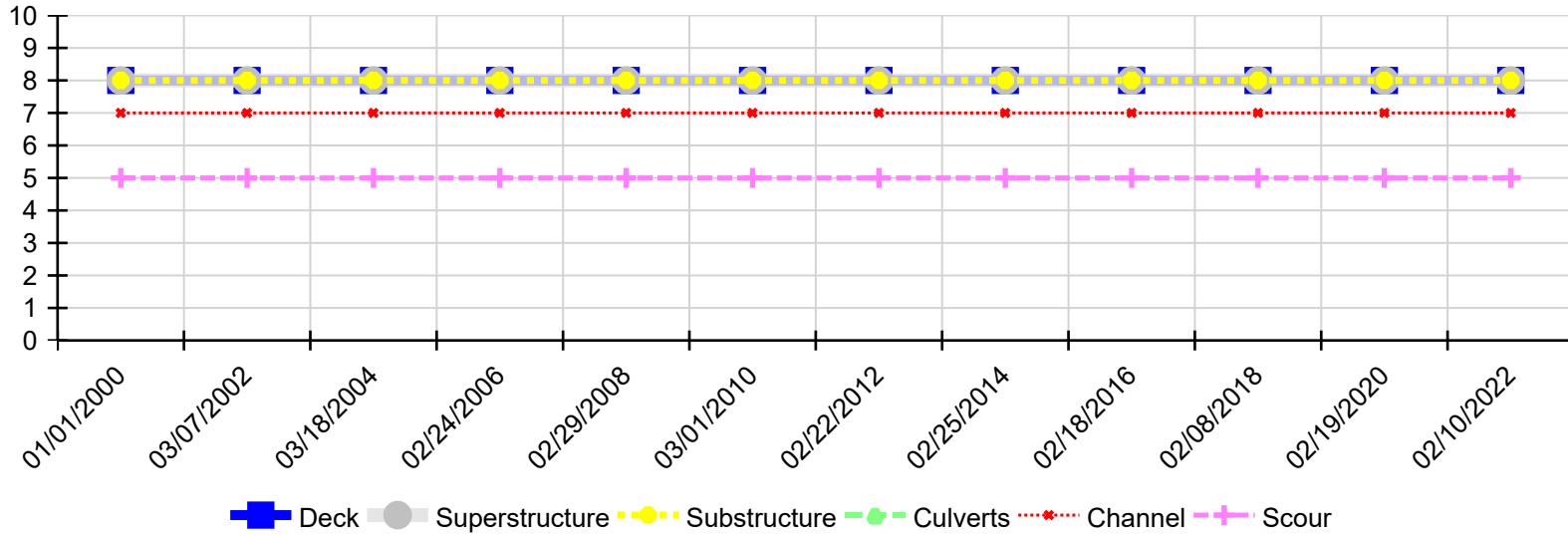
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Location: 7.5 MI NO SH 10 JCT

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### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
02/10/2022	8	8	8	N	7	5
02/19/2020	8	8	8	N	7	5
02/08/2018	8	8	8	N	7	5
02/18/2016	8	8	8	N	7	5
02/25/2014	8	8	8	N	7	5
02/22/2012	8	8	8	N	7	5
03/01/2010	8	8	8	N	7	5
02/29/2008	8	8	8	N	7	5
02/24/2006	8	8	8	N	7	5
03/18/2004	8	8	8	N	7	5
03/07/2002	8	8	8	N	7	5
01/01/2000	8	8	8	N	7	5