



Latitude:35.97278, Longitude:-94.16587

Route:71 Section:16 Log:18.256

Arnold Road ID:72x71x16xA, Arnold Log mile:18.191

District 04, 143 - Washington County

Owner: 1 - State Highway Agency

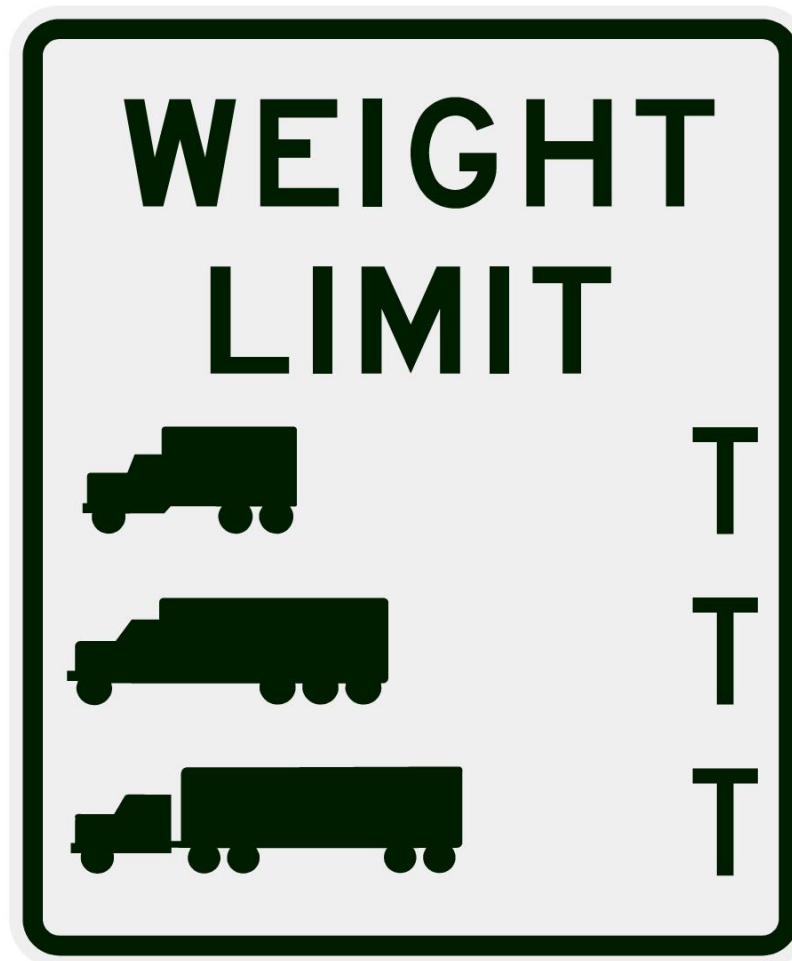
### Bridge Posting Information

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

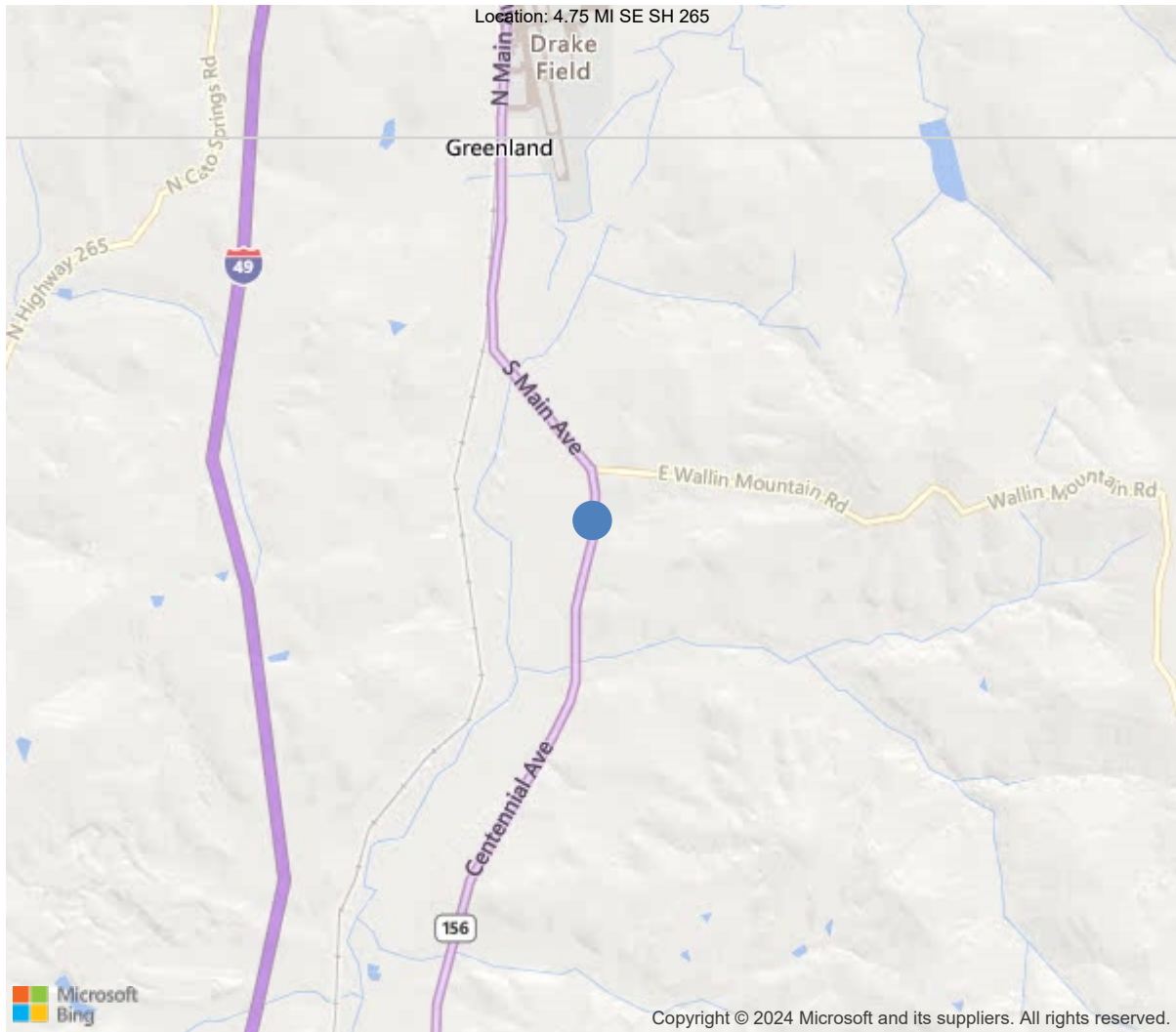
70 - Bridge Posting: 5 - Equal to or above legal loads

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

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



35.97278, -94.16587



Asset #M1384(Routine)

US 71 - Washington over Ditch

Location: 4.75 MI SE SH 265

Team Lead: Eric West, Inspection Date: 07/24/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M1384
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	143 - Washington County
(4) Place Code	0
(6) Features Intersected	Ditch
(7) Facility Carried	US 71 - Washington
(9) Location	4.75 MI SE SH 265
(11) Mile Point	18.256 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000071160
(16) Latitude	35.972778
(17) Longitude	-94.165871
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	0
(107) Deck Structure Type	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
Type of Membrane	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	1930
(106) Year Reconstructed	1987
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	5800
(30) Year of ADT	2018
(109) Truck ADT	3 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	10.5 ft
(49) Structure Length	21 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	56.1 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	58.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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 exists
(102) Direction of Traffic	2 - 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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	7
(62) Culverts	6
LOAD RATING AND POSTING	
(31) Design Load	0 - Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	29
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	18
(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	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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	8 - 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	8861
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	07/24/2023		
(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 **#M1384**(Routine)

**District:** 04, **County:** 143 - Washington County

**Team Lead:** Eric West, **Inspection Date:** 07/24/2023

**General Observation**

07/24/2023 - EJW & JPW - Routine Inspection conducted on this date.

07/13/2021 - RSM & SPC: Routine inspection conducted this date. See element notes for documentation.

---

**Team Lead:** Eric West, **Inspection Date:** 07/24/2023

[illegible]

**Team Lead:** Eric West, **Inspection Date:** 07/24/2023

## Culvert

[illegible]



Elevation



Roadway



Barrel # 2 typical.



Barrel # 1 typical.



Right head wall map cracking with light staining.



Barrel # 1 Lt end of the Southwest wing wall has a wide diagonal crack.



Barrel # 1 top slab has a 2' area and an 8" area with concrete deterioration/spalling with exposed reinforcing steel. Exposed reinforcing steel has active corrosion and measures 5/8" remaining section at this inspection. Concrete section loss up to 4" deep in the larger area of deterioration.



Barrel # 2 wide cracking near the centerline.

### Maintenance Needs

**Date Reported:** 08/24/2011

**Priority:** C - Important

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

**Status:** Monitor

**Component:** Element

---

### Deficiency Description

Barrel # 1 Top Slab -

The top slab of barrel # 1 has a 2' area and an 8" area with concrete deterioration/spalling with exposed reinforcing steel. Exposed reinforcing steel has active corrosion and measures 5/8" remaining section at this inspection. Concrete section loss up to 3" deep in the larger area of deterioration.

### Remarks

---



Barrel # 1 top slab has a 2' area and an 8" area with concrete deterioration/spalling with exposed reinforcing steel. Exposed reinforcing steel has active corrosion and measures 5/8" remaining section at this inspection. Concrete section loss up to 4" deep in the larger area of deterioration.



Top slab of Barrel # 1.



## 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**



**Asset #M1384(Routine)**

**US 71 - Washington over Ditch**

**Location: 4.75 MI SE SH 265**

**Team Lead: Eric West, Inspection Date: 07/24/2023**

**A-57 - Beam End and Bearing Painting 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**



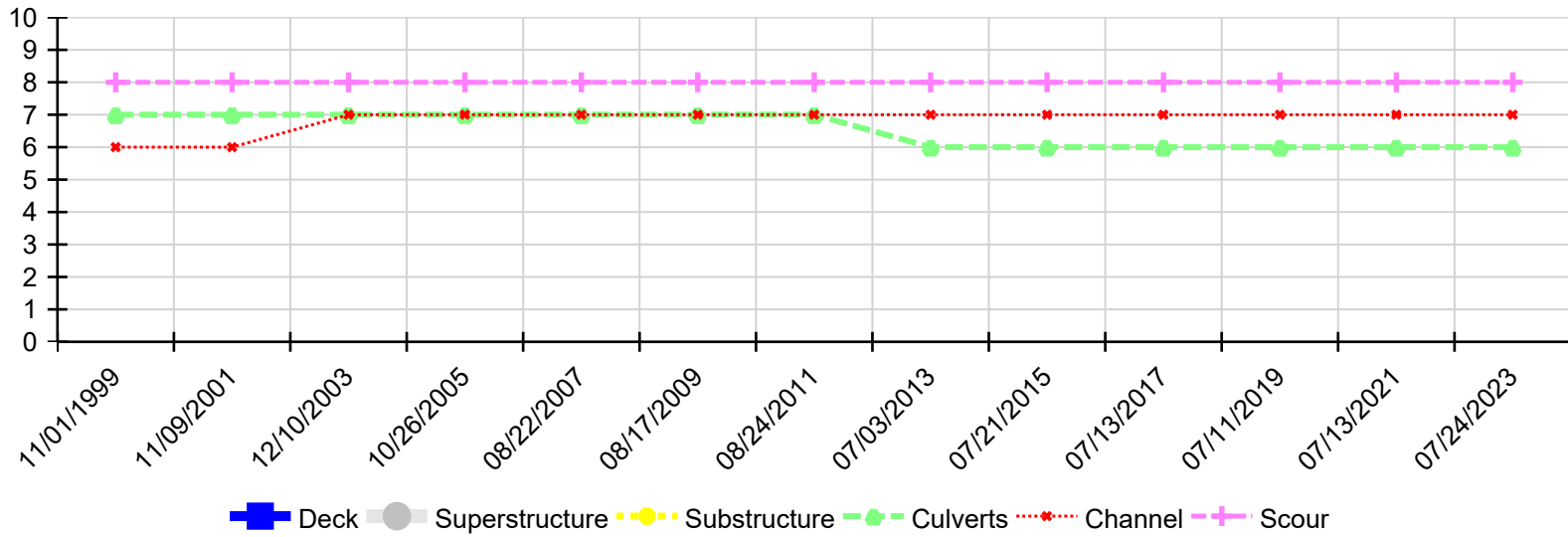
Asset #M1384(Routine)

US 71 - Washington over Ditch

Location: 4.75 MI SE SH 265

Team Lead: Eric West, Inspection Date: 07/24/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/24/2023	N	N	N	6	7	8
07/13/2021	N	N	N	6	7	8
07/11/2019	N	N	N	6	7	8
07/13/2017	N	N	N	6	7	8
07/21/2015	N	N	N	6	7	8
07/03/2013	N	N	N	6	7	8
08/24/2011	N	N	N	7	7	8
08/17/2009	N	N	N	7	7	8
08/22/2007	N	N	N	7	7	8
10/26/2005	N	N	N	7	7	8
12/10/2003	N	N	N	7	7	8
11/09/2001	N	N	N	7	6	8
11/01/1999	N	N	N	7	6	8