



Latitude:34.80218, Longitude:-92.44426

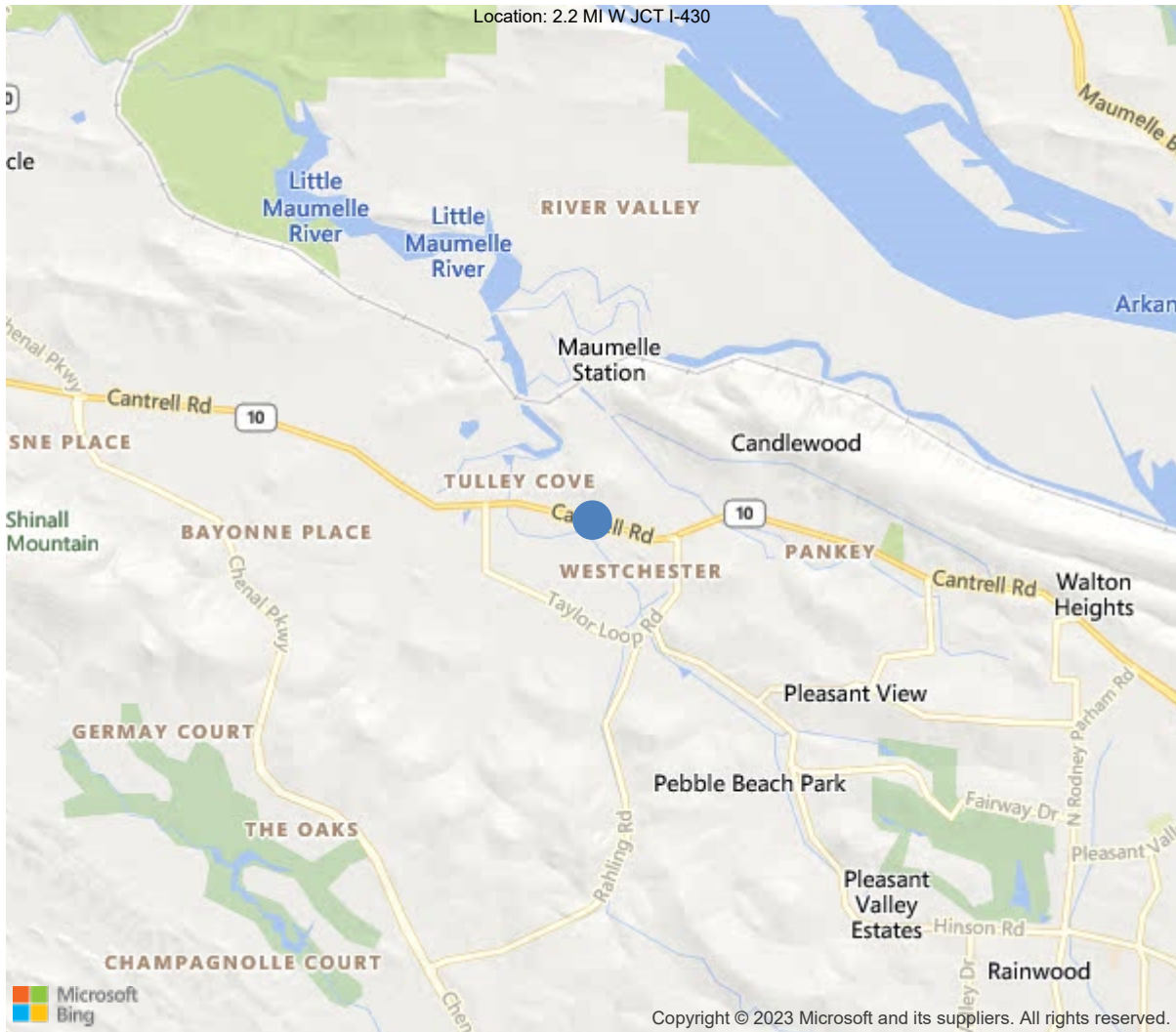
Route:10 Section:08 Log:4.639

Arnold Road ID:60x10x8xA, Arnold Log mile:4.469

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency





34.80218, -92.44426



Asset #05996(Routine)

SH 10-8 log 4.64 over N CHANNEL TAYLOR LOOP CR

Location: 2.2 MI W JCT I-430

Team Lead: Bryan Saunders, Inspection Date: 03/08/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05996
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	0
(6) Features Intersected	N CHANNEL TAYLOR LOOP CR
(7) Facility Carried	SH 10-8 log 4.64
(9) Location	2.2 MI W JCT I-430
(11) Mile Point	4.639 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000010080
(16) Latitude	34.80218
(17) Longitude	-92.44426
(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	3
(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	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1984
(106) Year Reconstructed	0
(42) Type of Service	55
On	5 - Highway-pedestrian
Under	5 - Waterway
(28) Lane	
On	5
Under	0
(29) Average Daily Traffic	30000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	10 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	90 ft
(50) Curb or Sidewalk Width	
Left	4 ft
Right	4 ft
(51) Bridge Roadway Width Curb to Curb	49.9 ft
(52) Deck Width Out to Out	60 ft
(32) Approach Roadway Width (W/Shoulders)	49.9 ft
(33) Bridge Median	0 - No median
(34) Skew	30 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	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	5 - None present but re-evalua
(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	1
(26) Functional Class	14 - Urban Other Principal Art
(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	6
(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	59
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	35
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	2
(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	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	116 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 353
(96) Total Project Cost	\$ 815
(97) Year of Improvement Cost Estimate	2002
(114) Future ADT	33700
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/08/2022		
(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 #05996(Routine)

District: 06, County: 119 - Pulaski County

Team Lead: Bryan Saunders, Inspection Date: 03/08/2022

#### General Observation

See AHTD drawing #25626 for layout sheet..

Logged looking east.

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#### A-46 - Asset Files

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Asset #05996(Routine)

SH 10-8 log 4.64 over N CHANNEL TAYLOR LOOP CR

Location: 2.2 MI W JCT I-430

Team Lead: Bryan Saunders, Inspection Date: 03/08/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	4734	4614	120	0	0
1130	Cracking (RC and Other)	SF	120	0	120	0	0
(38) Small scattered cracks							
205	Reinforced Concrete Column	EA	8	6	2	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
6000	Scour	EA	1	0	1	0	0
(205) Small spall on the ahead face of column 4 at bent 2. Bent 2 column 4 scour hole silted in covering top of footing. Horse scour at column. Footing keyed one foot into rock.							
215	Reinforced Concrete Abutment	LF	177	172	5	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(215) Bent 4 has scattered small cracks.							
220	Reinforced Concrete Pile Cap/Footing	LF	15	15	0	0	0
(220) Bent 3 footings are exposed. Footings are keyed one foot into rock							
234	Reinforced Concrete Pier Cap	LF	128	112	5	11	0
1080	Delamination/Spall/Patched Area	LF	16	0	5	11	0
(234) Bent 3 cap back right of column 1 large delamination. See photo bent 3 ahead face above column 1 large delamination.							
301	Pourable Joint Seal	LF	120	0	0	120	0
2320	Seal Adhesion	LF	120	0	0	120	0
(301) Pourable joint seal have lost bond and leak.							
330	Metal Bridge Railing	LF	180	180	0	0	0
331	Reinforced Concrete Bridge Railing	LF	180	180	0	0	0





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Location: 2.2 MI W JCT I-430

Team Lead: Bryan Saunders, Inspection Date: 03/08/2022

## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

**SH 10-8 log 4.64 over N CHANNEL TAYLOR LOOP CR**

**Location: 2.2 MI W JCT I-430**

**Team Lead:** Bryan Saunders, **Inspection Date:** 03/08/2022

## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	8	6	2	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
6000	Scour	EA	1	0	1	0	0
(205) Small spall on the ahead face of column 4 at bent 2. Bent 2 column 4 scour hole silted in covering top of footing. Horse scour at column. Footing keyed one foot into rock.							
215	Reinforced Concrete Abutment	LF	177	172	5	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(215) Bent 4 has scattered small cracks.							
220	Reinforced Concrete Pile Cap/Footing	LF	15	15	0	0	0
(220) Bent 3 footings are exposed. Footings are keyed one foot into rock							
234	Reinforced Concrete Pier Cap	LF	128	112	5	11	0
1080	Delamination/Spall/Patched Area	LF	16	0	5	11	0
(234) Bent 3 cap back right of column 1 large delamination. See photo bent 3 ahead face above column 1 large delamination.							





Asset #05996(Routine)

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Location: 2.2 MI W JCT I-430

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## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Soffit view



Deck view



Bent 3 ahead side





Delamination bent 3 backside



Footings at bent 3



Potholes starting to form at east end of bridge



Approach looking east



**Asset #05996**(Routine)

**SH 10-8 log 4.64 over N CHANNEL TAYLOR LOOP CR**

**Location: 2.2 MI W JCT I-430**

**Team Lead:** Bryan Saunders, **Inspection Date:** 03/08/2022

#### **Maintenance Needs**

**Date Reported:** 03/22/2016  
**Priority:** C - Important  
**Type of Work:** (Inactive) (Inactive) 9 - None  
**Status:** Monitor  
**Component:**

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#### **Deficiency Description**

Scour has eroded embankment behind bent 2 column 4 and causing horseshoe scour at column 4. See photos

#### **Remarks**

Assigned Pulaski 3 06603 9-28-15

State forces have dumped rip rap in scour hole.

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Bent 2 column 4 scour hole silted in covering top of footing. Horse scour at column at this time.





State forces have dumped rip rap in scour hole.



Asset #05996(Routine)

SH 10-8 log 4.64 over N CHANNEL TAYLOR LOOP CR

Location: 2.2 MI W JCT I-430

Team Lead: Bryan Saunders, Inspection Date: 03/08/2022

## 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	



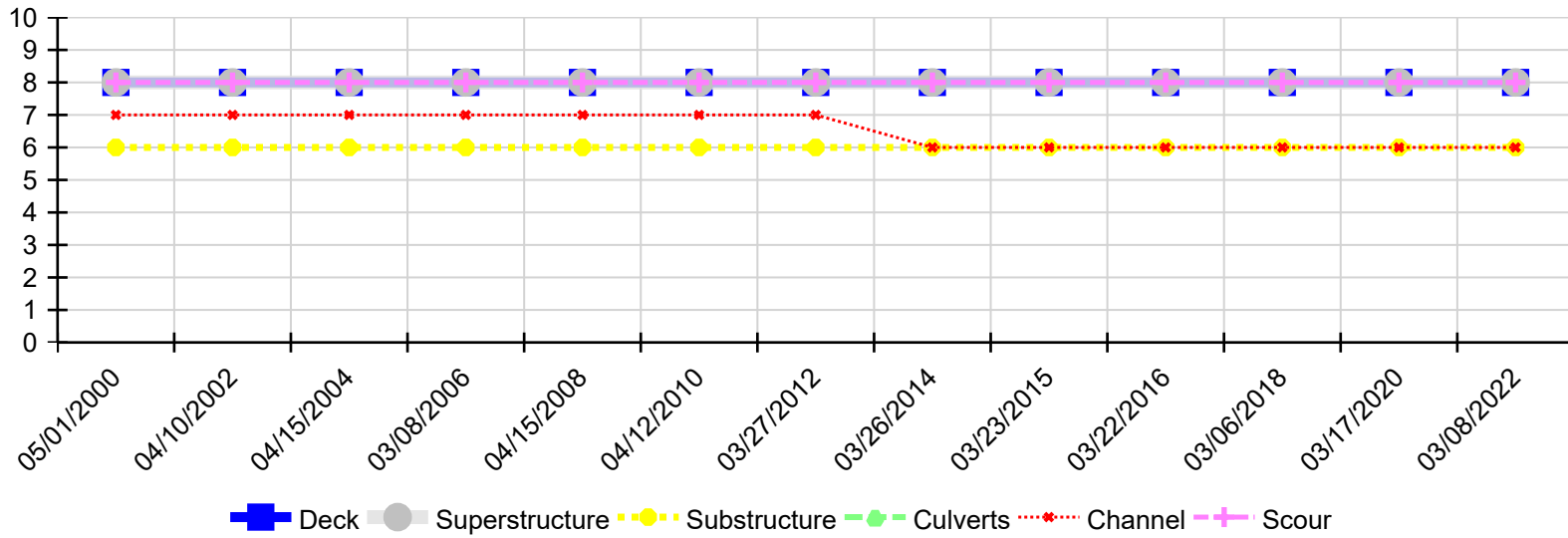
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Location: 2.2 MI W JCT I-430

Team Lead: Bryan Saunders, Inspection Date: 03/08/2022

### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/08/2022	8	8	6	N	6	8
03/17/2020	8	8	6	N	6	8
03/06/2018	8	8	6	N	6	8
03/22/2016	8	8	6	N	6	8
03/23/2015	8	8	6	N	6	8
03/26/2014	8	8	6	N	6	8
03/27/2012	8	8	6	N	7	8
04/12/2010	8	8	6	N	7	8
04/15/2008	8	8	6	N	7	8
03/08/2006	8	8	6	N	7	8
04/15/2004	8	8	6	N	7	8
04/10/2002	8	8	6	N	7	8
05/01/2000	8	8	6	N	7	8