



Latitude:35.41472, Longitude:-91.83321

Route:16 Section:13 Log:1.78

Arnold Road ID:73x16x13xA, Arnold Log mile:1.772

District 05, 145 - White County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

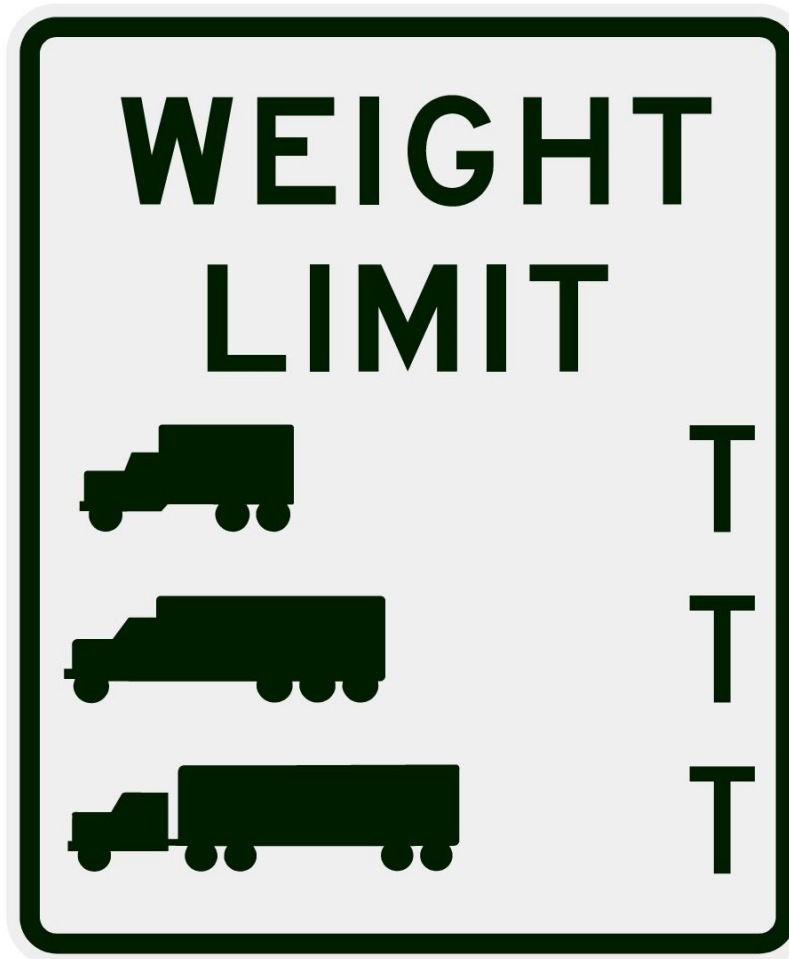
Bridge Posting Information

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

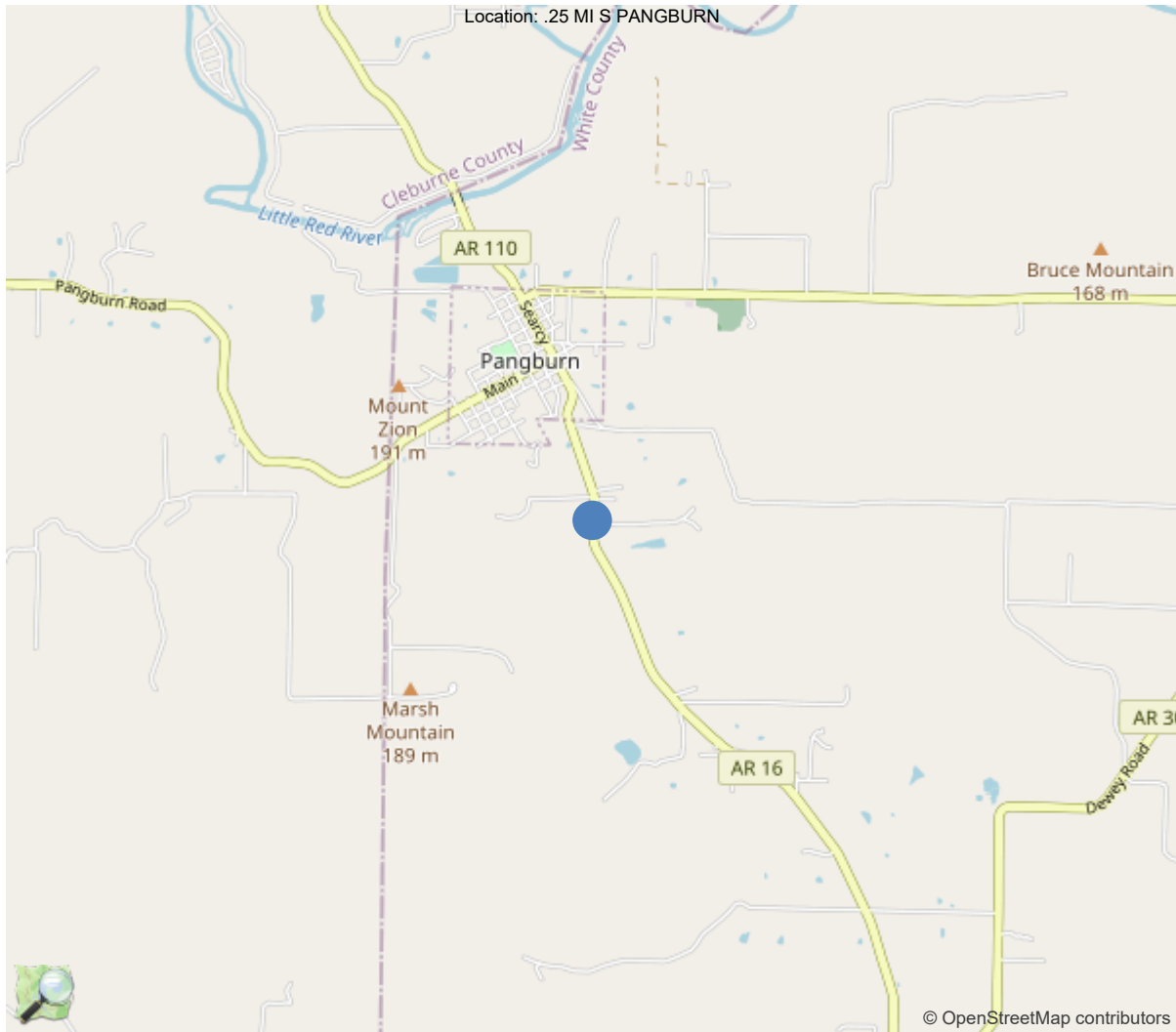
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	37		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

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



35.41472, -91.83321



Asset #X0575(Routine)
SH 16 WHITE CO. over BRIER CREEK

Location: .25 MI S PANGBURN

Team Lead: Kerry Little Inspection Date: 01/09/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X0575
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	145 - White County
(4) Place Code	0
(6) Features Intersected	BRIER CREEK
(7) Facility Carried	SH 16 WHITE CO.
(9) Location	.25 MI S PANGBURN
(11) Mile Point	1.78 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000016130
(16) Latitude	35.41472
(17) Longitude	-91.83321
(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	3
(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	1985
(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	4600
(30) Year of ADT	2018
(109) Truck ADT	11 %
(19) Bypass, Detour Length	11 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	12 ft
(49) Structure Length	38 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)	40 ft
(33) Bridge Median	0 - No median
(34) Skew	45 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	99.9 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	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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	7
(62) Culverts	6
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	40
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	24
(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	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	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	5692
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	01/09/2024		
(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 #X0575(Routine)

SH 16 WHITE CO. over BRIER CREEK

Location: .25 MI S PANGBURN

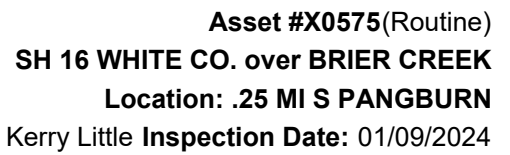
Team Lead: Kerry Little **Inspection Date:** 01/09/2024

General Observation

Elevation with Log Mile running to the Left.

A-51 - Inspection Direction (1 - N to S)

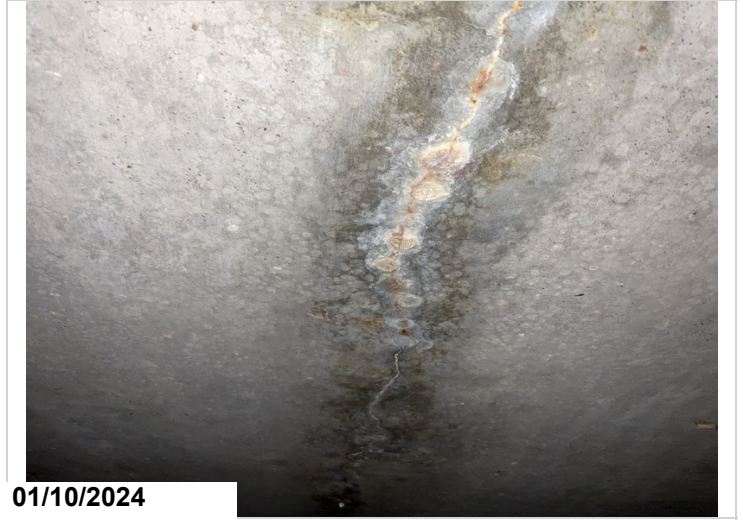
Roadway with Log Mile running North to South.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	354	301	37	16	0
1080	Delamination/Spall/Patched Area	LF	5	0	0	5	0
1090	Exposed Rebar	LF	4	0	0	4	0
1120	Efflorescence/Rust Staining	LF	21	0	14	7	0
1130	Cracking (RC and Other)	LF	23	0	23	0	0
(241) Minor transverse efflorescent cracks to all barrels, some with rust stains to soffit. Barrel 1 has +/- 2' sediment buildup. Barrel 2 has few minor spalls with rebar exposed to soffit. 4' rebar exposed in Barrel 2 (lack of cover) Barrel 2 has minor sediment buildup. Minor honeycomb areas to soffit @ barrels 1 & 2. Vertical cracking to interior walls. Spalls to Left & Right ends of Walls 1 & 2. Spall with rebar exposed to Lt side of abutment 1. Sediment & vegetation buildup on Right side.							



Roadway with log mile looking south



Efflor crack with rust to soffit @ barrel 3.



Spall with rebar exposed to Lt side of abutment 1.



Spalls to Left end of Walls 1 & 2.(#3)(Wall 1)

Maintenance Needs

Date Reported: 01/29/2020

Priority: C - Important

Type of Work: Channel Work/Drift Removal

Status: Assigned

Component: Culverts

Deficiency Description

Drift buildup @ barrels 1-3.

Remarks



Drift buildup @ barrels 1-3.



Heavy drift buildup @ barrels 1-3.

Maintenance Needs

Date Reported: 01/26/2012

Priority: D- Routine

Type of Work: Repair (General)

Status: Assigned

Component:

Deficiency Description

+/- 2' sediment in Barrel 1.
Minor sediment in Barrel 2.

Remarks



01/10/2024

+/- 2' sediment in Barrel 1.
Minor sediment in Barrel 2.
Barrel 2



01/10/2024

+/- 2' sediment in Barrel 1.
Minor sediment in Barrel 2.
Barrel 1.



02/16/2020

+/- 2' sediment in Barrel 1.
Minor sediment in Barrel 2.



02/16/2020

+/- 2' sediment in Barrel 1.



Minor sediment in Barrel 3.

Maintenance Needs

Date Reported: 01/05/2022

Priority: D- Routine

Type of Work: Repair (General)

Status: Assigned

Component: Channel

Deficiency Description

Sediment & vegetation buildup to Right & Left side.

Remarks



Sediment & vegetation buildup to Right & Left side.



Sediment & vegetation buildup on Right side.



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 #X0575(Routine)

SH 16 WHITE CO. over BRIER CREEK

Location: .25 MI S PANGBURN

Team Lead: Kerry Little Inspection Date: 01/09/2024

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

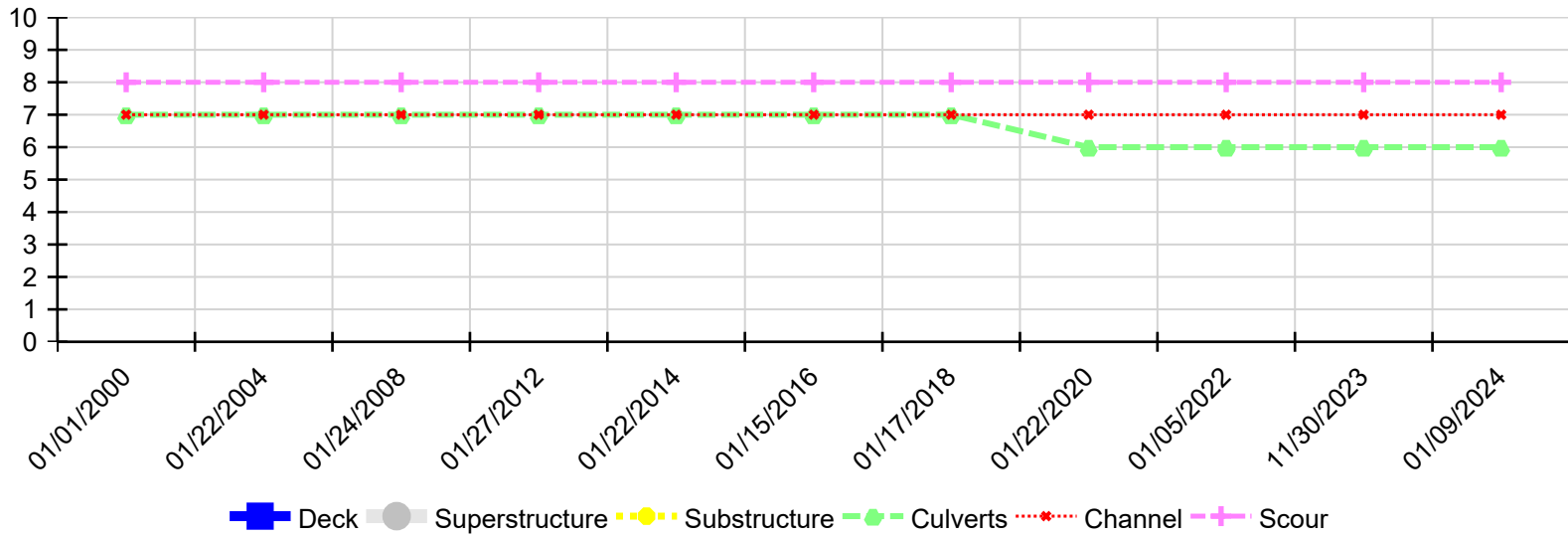
A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested



Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/09/2024	N	N	N	6	7	8
11/30/2023	N	N	N	6	7	8
01/05/2022	N	N	N	6	7	8
01/22/2020	N	N	N	6	7	8
01/17/2018	N	N	N	7	7	8
01/15/2016	N	N	N	7	7	8
01/22/2014	N	N	N	7	7	8
01/27/2012	N	N	N	7	7	8
01/24/2008	N	N	N	7	7	8
01/22/2004	N	N	N	7	7	8
01/01/2000	N	N	N	7	7	8