

Bridge 23494 Inspection Report



Latitude:34.27903, Longitude:-93.10084

Route:17 Section:00 Log:3.259

Arnold Road ID:30xSYCAMORED Rx2xA, Arnold Log mile:0.914

District 06, 59 - Hot Spring County

Owner: 2 - County Highway Agency

Inspection Direction: 2 - S to N

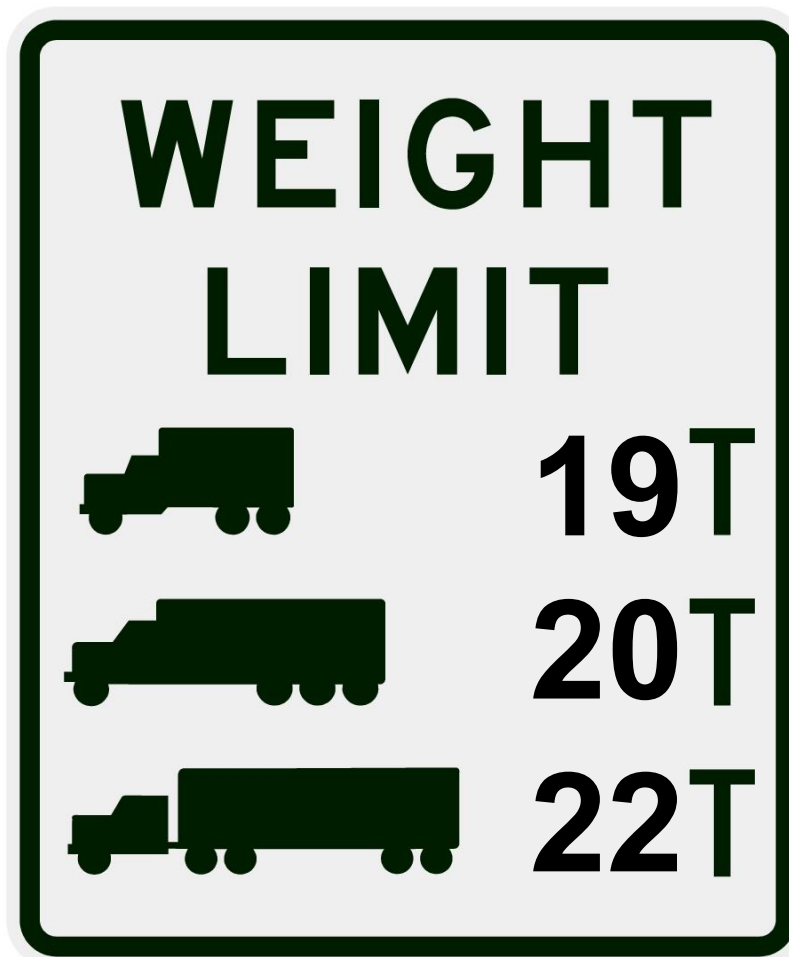
Bridge Posting Information

41 - Structure Open/Posted/Closed: P - Posted for load (may include other restrictions such a temporary bridges which are load posted)

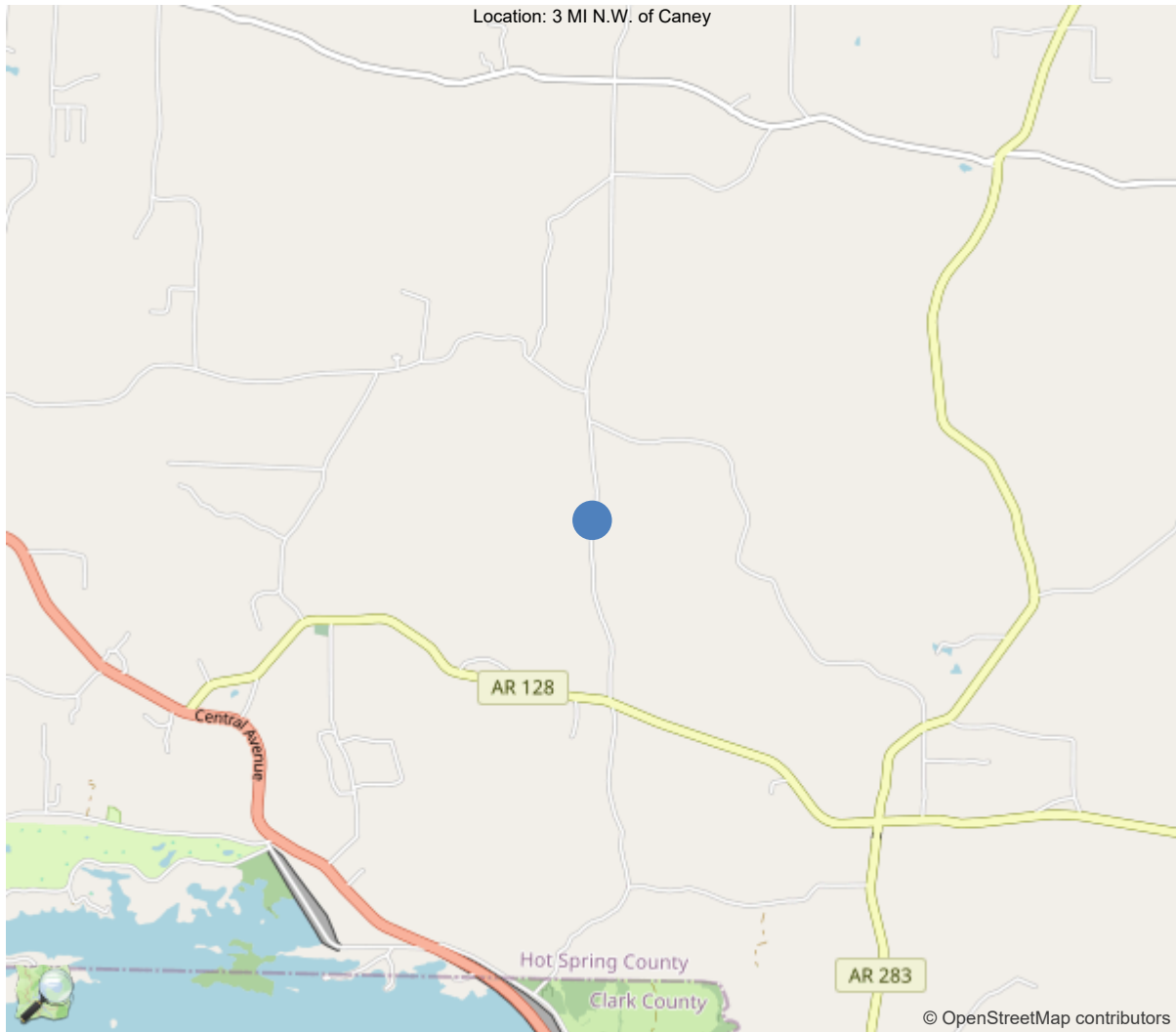
70 - Bridge Posting: 0 - > 39.9% below

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	19	19	19
Code 9 (31 Tons)	20	20	20
Code 5 (40 Tons)	22	22	22

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



34.27903, -93.10084

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	23494
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	59 - Hot Spring County
(4) Place Code	0
(6) Features Intersected	Caney Creek
(7) Facility Carried	Sycamore Road
(9) Location	3 MI N.W. of Caney
(11) Mile Point	3.259 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.27903
(17) Longitude	-93.10084
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3 - Steel
Type	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	2012
(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	315
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	51.9 ft
(49) Structure Length	54.7 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	23 ft
(52) Deck Width Out to Out	24 ft
(32) Approach Roadway Width (W/Shoulders)	20 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.01 ft
(47) Inventory Route Total Horiz Clear	23 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	8 - Rural Minor Collector
(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	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	8
(59) Superstructure	6
(60) Substructure	7
(61) Channel & Channel Protection	7
(62) Culverts	N
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	23
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	14
(70) Bridge Posting	0 - > 39.9% below
(41) Structure Open/Posted/Closed	P - Posted for load (may inclu
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	6
(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	0
(114) Future ADT	95
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date			01/13/2026
(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.			

Team Lead: Keith Harris, Inspection Date: 01/14/2026

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	23494
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	20516
B.W.01 Year Built	2012

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	59 - Hot Spring County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	06 - District 06
B.L.05 Latitude	34.27903
B.L.06 Longitude	-93.10084
B.L.07 Border Bridge Number	
B.L.08 Border Bridge State or Country Code	
B.L.09 Border Bridge Insp. Resp.	
B.L.10 Border Bridge Designated Lead State	
B.L.11 Bridge Location	3 MI N.W. of Caney
B.L.12 Metropolitan Planning Organization	

CLASSIFICATION	
B.CL.01 Owner	L01 - County highway agency
B.CL.02 Maint. Responsibility	L01 - County highway agency
B.CL.03 Federal or Tribal Land Access	N - Not Applicable
B.CL.04 Historic Significance	7 - Historic significance of the br
B.CL.05 Toll	N - Bridge does not carry a toll ro
B.CL.06 Emergency Evacuation Designation	

ROADSIDE HARDWARE	
B.RH.01A Bridge Railing Type	
B.RH.01B Bridge Railing Year (YY)	
B.RH.01C Bridge Railing Test Level	
B.RH.02A Transition Type	
B.RH.02B Transition Year (YY)	
B.RH.02C Transition Test Level	

BRIDGE GEOMETRY	
B.G.01 NBIS Bridge Length	54.8
B.G.02 Total Bridge Length	54.8
B.G.03 Max Span Length	51.8
B.G.04 Min Span Length	51.8
B.G.05 Bridge Width Out-to-Out	24
B.G.06 Bridge Width Curb-to-Curb	23
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	20

B.G.10 Bridge Median	0 - No median
B.G.11 Skew	0
B.G.12 Curved Bridge	N - Not curved
B.G.13 Max Bridge Height	9
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	1315.2

LOADS AND LOAD RATING	
B.LR.01 Design Load	U - Unknown
B.LR.02 Design Method	
B.LR.03 Load Rating Date	
B.LR.04 Load Rating Method	LFR - Load Factor Rating
B.LR.05 Inventory Load Rating Factor	0.39
B.LR.06 Operating Load Rating Factor	0.64
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	Bridge does not carry routine permi

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	N - NSTM inspection not required.
B.IR.02 Fatigue Details	Y - E/E' details are present
B.IR.03 UW Inspection Required	N - Underwater inspection not requi
B.IR.04 Complex Feature	N - Bridge does not have complex fe

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	8 - VERY GOOD - Some inherent
B.C.02 Superstructure Condition	6 - SATISFACTORY - Widespread
B.C.03 Substructure Condition	7 - GOOD - Some minor defects.
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	6 - SATISFACTORY - Widespread
B.C.06 Bridge Railing Transitions Condition	N - NOT APPLICABLE - Component
B.C.07 Bridge Bearings Cond.	N - NOT APPLICABLE - Component
B.C.08 Bridge Joints Condition	N - NOT APPLICABLE - Bridge do
B.C.09 Channel Condition Rating	7 - GOOD - Some minor defects.
B.C.10 Channel Protection Condition	7 - GOOD - Some minor defects.
B.C.11 Scour Condition Rating	7 - Some minor scour.
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	6 - SATISFACTORY - Widespread
B.C.14 NSTM Insp. Condition	
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	F - Fair
B.AP.02 Overtopping Likelihood	1 - Remote - once every 100 years o
B.AP.03 Scour Vulnerability	0 - Scour appraisal has not been co
B.AP.04 Scour Plan of Action	0 - A scour POA is not required.
B.AP.05 Seismic Vulnerability	N - Bridge does not require seismic

SPAN SETS			
M1			
B.SP.02 # of Spans	1	B.SP.08 Deck Interaction	NC - Non-composite
B.SP.03 # of Beam Lines	5	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	S02 - Steel - welded	B.SP.10 Wearing Surface	0 - None
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G02 - Girder/beam - I-shaped s	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	C01 - Coating - paint	B.SP.13 Deck Stay-In-Place Forms	M01 - Metal

SUBSTRUCTURE SETS			
A1			
B.SB.02 No. of Substructure Units	2	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	F02 - Footing - on rock
B.SB.04 Substructure Type	A01 - Abutment - cantilever/wa	B.SB.07 Foundation Protective System	0 - None

HIGHWAY FEATURES			
H1			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	315
B.F.03 Feature Name	CR 17Sycamore Road	B.H.10 Annual ADTT	3
B.H.01 Functional Classification	6 - Minor Collector	B.H.11 Year of Annual ADT	2018
B.H.02 Urban Code	99999	B.H.12 Highway Max Usable Vertical Clearance	99.9
B.H.03 NHS Designation	N - Non-NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	N - Not on the NHFN	B.H.14 Highway Min Horizontal Clearance, Left	
B.H.05 STRAHNET Designation	N - Not a STRAHNET route	B.H.15 Highway Min Horizontal Clearance, Right	
B.H.06 LRS Route ID		B.H.16 Highway Max Usable Surface Width	22.9
B.H.07 LRS Mile Point	3.259	B.H.17 Bypass Detour Length	1
B.H.08 Lanes On Highway	2	B.H.18 Crossing Bridge Number	

HIGHWAY ROUTES					
Highway Parent	B.RT.01 Route Designation	B.RT.02 Route Number	B.RT.03 Route Direction	B.RT.04 Route Type	B.RT.05 Service Type
H1	1	17	2-T - TEMP - Two-way traffic - NS or EW	4 - County route	1 - Mainline

WATERWAY FEATURES			
W1			
B.F.02 Feature Location	B - Below bridge	B.N.03 Movable Bridge Max Navigation Vertical Clearance	
B.F.03 Feature Name	Caney Creek	B.N.04 Navigation Channel Width	
B.N.01 Navigable Waterway	N - Not navigable waters	B.N.05 Navigation Channel Min Horizontal Clearance	
B.N.02 Navigation Min Vertical Clearance		B.N.06 Substructure Navigation Protection	



Team Lead: Keith Harris, Inspection Date: 01/14/2026

POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PP - permanent weight restrict	12/24/2025

LOAD EVALUATION AND POSTING

B.EP.01 Legal Load Configuration	B.EP.02 Legal Load Rating Factor	B.EP.03 Posting Type	B.EP.04 Posting Value
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Asset #23494(Routine, Underwater type 2)

Sycamore Road over Caney Creek

Location: 3 MI N.W. of Caney

Team Lead: Keith Harris Inspection Date: 01/14/2026

Inspection Notes

General Observation

Logged and inspected northbound.

58 - Deck (8 - VERY GOOD CONDITION - no problems noted.)

Stay in place forms have minor corrosion. Two transverse cracks in the concrete deck.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

The girders used are salvaged.

There are scattered areas of surface rust on all girders and holes were cut in the top of the web of all girders at mid span. Girders have cover plates.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Bent 1 has exposed rebar on bottom face of abutment.

Bent 1 spall under girder 3.

Bent 2 has large honeycomb areas and 4' of exposed rebar.

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.)
The channel is well vegetated.

A-51 - Inspection Direction (2 - S to N)

Approach going north

A-60 - Full Girder Painting Needed (Y)

All girders have scattered areas of corrosion.

B.IR.02 - Fatigue Prone Details (Y)

Cover plates on all girders

Inspection Photos and Notes



Elevation



Inventory looking north



Load posting looking south



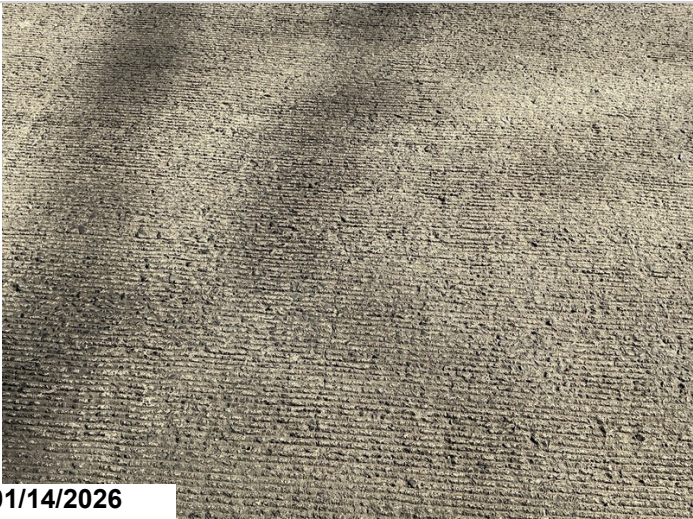
Load posting looking north



Under surface view



Deck overview



Transverse crack in the deck.



Bent 2, girder 4: girder ends with small amount of active rust.
This is common to all girders ends at both bents.



All girders have areas of freckling rust.



Bent 1 spall under girder 3.



Bent 1 has exposed rebar on bottom face of abutment.



Bent 2: the entire length of the abutment has exposed rebar and honey combing.



Downstream channel



Upstream channel



All girders have scattered areas of corrosion.

Maintenance Needs

Date Reported: 01/16/2025

Priority: B - Pressing

Status: Monitor

Type of Work: Approach Leveling/Maintenance

Component: Approach

Deficiency Description

Changed to B priority due to no more settlement since last inspection.

Northwest corner of bridge, approach slab is undermined 8' under roadway. Void is approximately 8" deep

Southwest corner is undermined up to 3'.

Approach slabs on both ends of bridge have settled 1"

Remarks

Changed to B priority due to no more settlement since last inspection.

County has placed asphalt where approach settled.



County has placed asphalt where approach settled.



Northwest corner of bridge, approach slab is undermined 8' under roadway. Void is approximately 8" deep



Bent 1 approach slab has settled 1".
Approach slabs is undermined up to 3' by 8" deep.



Bent 1 approach slab has settled 1".
Approach slabs is undermined up to 3' by 8" deep.



Northwest corner of bridge, approach slab is undermined
8' under roadway. Void is approximately 8" deep



Northwest corner of bridge, approach slab is undermined
8' under roadway. Void is approximately 8" deep

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	Yes
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No
A-65 - Clogged deck drains?	No
A-66 - Approach minor pothole/leveling needed	No

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (No)

A-56 - Joint Cleaning/Flushing Needed (No)

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

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

A-59 - Joint Repair Needed (No)

A-60 - Full Girder Painting Needed (Yes)

All girders have scattered areas of corrosion.



All girders have scattered areas of corrosion.

A-61 - Polymer Overlay Advised (No)

A-62 - Hydro and LMC Advised (No)

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



Asset #23494(Routine, Underwater type 2)

Sycamore Road over Caney Creek

Location: 3 MI N.W. of Caney

Team Lead: Keith Harris Inspection Date: 01/14/2026

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains? (No)

A-66 - Approach minor pothole/leveling needed (No)



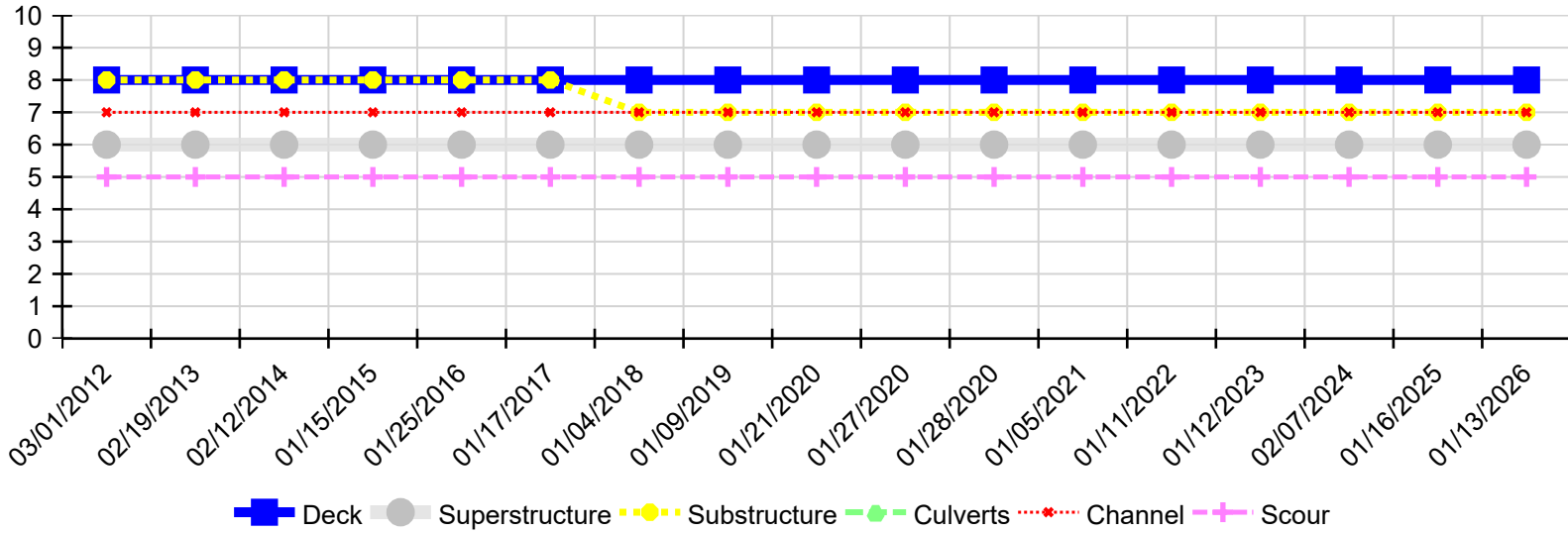
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Sycamore Road over Caney Creek

Location: 3 MI N.W. of Caney

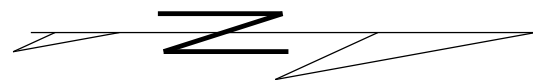
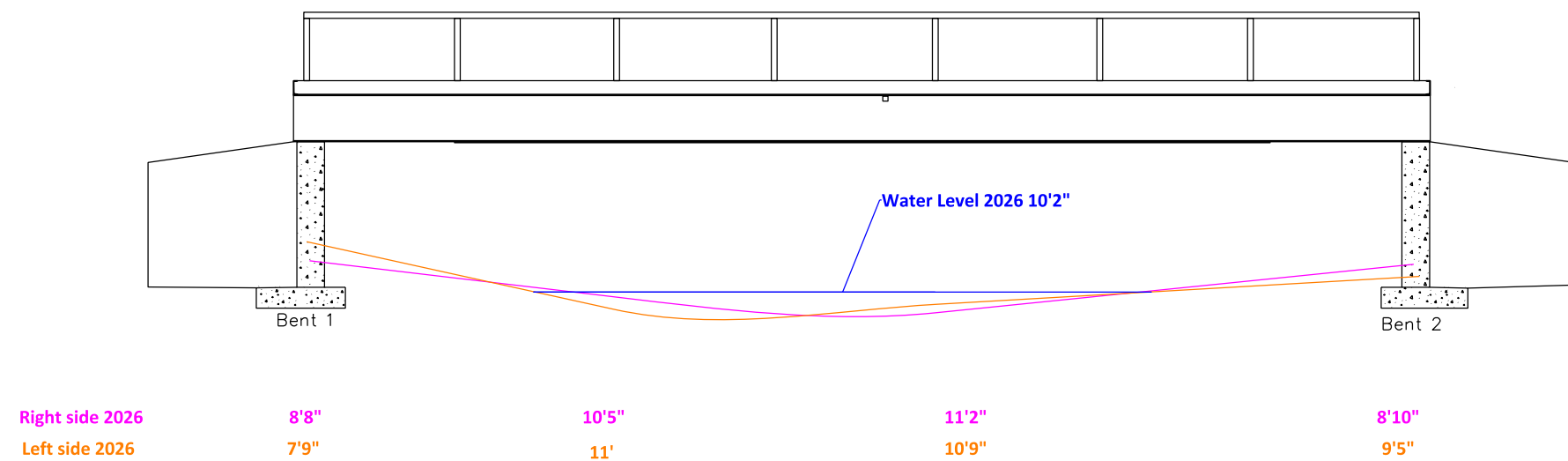
Team Lead: Keith Harris Inspection Date: 01/14/2026





Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/13/2026	8	6	7	N	7	5
01/16/2025	8	6	7	N	7	5
02/07/2024	8	6	7	N	7	5
01/12/2023	8	6	7	N	7	5
01/11/2022	8	6	7	N	7	5
01/05/2021	8	6	7	N	7	5
01/28/2020	8	6	7	N	7	5
01/28/2020	8	6	7	N	7	5
01/27/2020	8	6	7	N	7	5
01/27/2020	8	6	7	N	7	5
01/21/2020	8	6	7	N	7	5
01/09/2019	8	6	7	N	7	5
01/04/2018	8	6	7	N	7	5
01/17/2017	8	6	8	N	7	5
01/25/2016	8	6	8	N	7	5
01/15/2015	8	6	8	N	7	5
02/12/2014	8	6	8	N	7	5
02/19/2013	8	6	8	N	7	5
03/01/2012	8	6	8	N	7	5

10' Scale

[illegible]

Right Side Sounding  Left Side Sounding 		BRIDGE NO. 23494		
ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.	Scale: 1"=8' Inspection Dir: S to N Channel Flow: W to E	Drawn By: Edit	Project: Edit Checked By: Edit Date: 01/13/2026	