

Bridge 06101 Inspection Report



Latitude:34.15772, Longitude:-92.09061

Route:79 Section:09 Log:9.04

Arnold Road ID:35x79x9xA, Arnold Log mile:9.03

District 02, 69 - Jefferson County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

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

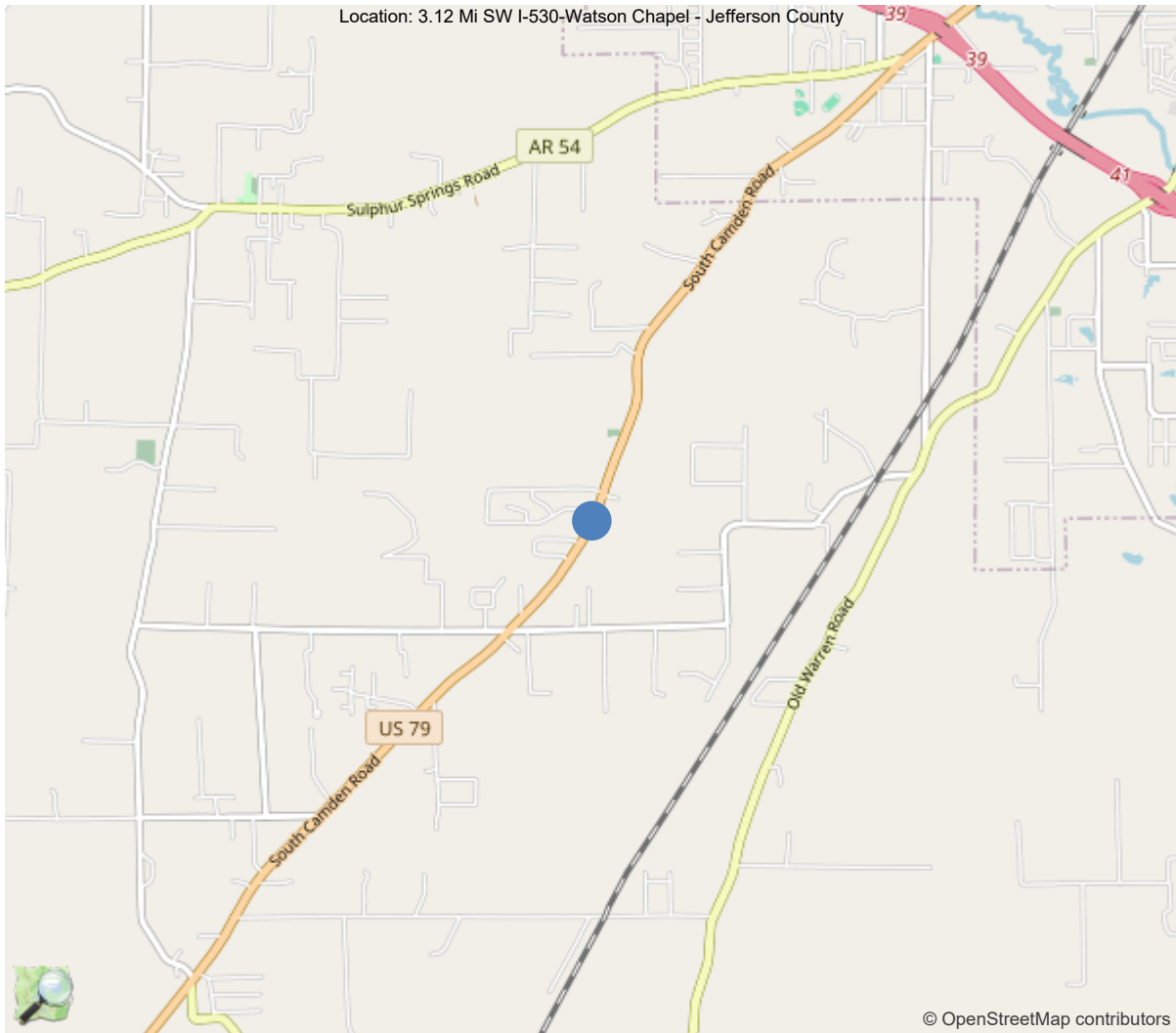
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	38		
Code 9 (31 Tons)	45		
Code 5 (40 Tons)	59		

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



34.15772, -92.09061

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06101
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	69 - Jefferson County
(4) Place Code	0
(6) Features Intersected	Piney Creek
(7) Facility Carried	US 79-09 LM 9.04
(9) Location	3.12 Mi SW I-530-Watson Chapel - Jefferson County
(11) Mile Point	9.04 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000079090
(16) Latitude	34.1577178508957
(17) Longitude	-92.0906105408404
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1986
(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	6500
(30) Year of ADT	2024
(109) Truck ADT	9 %
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	75 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	44 ft
(52) Deck Width Out to Out	46.8 ft
(32) Approach Roadway Width (W/Shoulders)	44 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	45.9 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	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	2 - Rural Principal 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	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	8
(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	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(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	8867
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			11/13/2025
(91) Frequency			48
(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: Phillip Dowell, Inspection Date: 11/13/2025

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	06101
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1986

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	69 - Jefferson County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	02 - District 02
B.L.05 Latitude	34.1577178508957
B.L.06 Longitude	-92.0906105408404
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	3.12 Mi SW I-530-WatsChpl
B.L.12 Metropolitan Planning Organization	1

CLASSIFICATION	
B.CL.01 Owner	S01 - State transportation departme
B.CL.02 Maint. Responsibility	S01 - State transportation departme
B.CL.03 Federal or Tribal Land Access	N - Not Applicable
B.CL.04 Historic Significance	N - Bridge is not eligible for the
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	70.3
B.G.02 Total Bridge Length	75.1
B.G.03 Max Span Length	24.9
B.G.04 Min Span Length	25
B.G.05 Bridge Width Out-to-Out	46.9
B.G.06 Bridge Width Curb-to-Curb	44
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	44

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	11
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	3522.2

LOADS AND LOAD RATING	
B.LR.01 Design Load	HS20 - HS-20
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	1
B.LR.06 Operating Load Rating Factor	1.67
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	
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	7 - GOOD - Some minor defects.
B.C.02 Superstructure Condition	7 - GOOD - Some minor defects.
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	8 - VERY GOOD - Some inherent
B.C.06 Bridge Railing Transitions Condition	8 - VERY GOOD - Some inherent
B.C.07 Bridge Bearings Cond.	N - NOT APPLICABLE - Component
B.C.08 Bridge Joints Condition	6 - SATISFACTORY - Widespread
B.C.09 Channel Condition Rating	8 - VERY GOOD - Inherent defec
B.C.10 Channel Protection Condition	8 - VERY GOOD - Some inherent
B.C.11 Scour Condition Rating	8 - Insignificant scour.
B.C.12 Bridge Condition Classification	G - Good
B.C.13 Lowest Condition Rating	7 - GOOD - Some minor defects.
B.C.14 NSTM Insp. Condition	
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	G - Good
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	0 - Seismic evaluation not complete

Team Lead: Phillip Dowell, Inspection Date: 11/13/2025

SPAN SETS			
M1			
B.SP.02 # of Spans	3	B.SP.08 Deck Interaction	IM - Integral or monolithic
B.SP.03 # of Beam Lines	1	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	C01 - Reinforced concrete - ca	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	S01 - Slab - solid	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	0 - None	B.SP.13 Deck Stay-In-Place Forms	0 - None

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	PX - Pile - other
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
P1			
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	PX - Pile - other
B.SB.04 Substructure Type	B03 - Bent - pile	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	5464
B.F.03 Feature Name	US 79-09 LM 9.04	B.H.10 Annual ADTT	382
B.H.01 Functional Classification	3 - Principal Arterial - Other	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	Y - NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	1-T - TEMP - NHFN - 1 or 2 or	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	79090	B.H.16 Highway Max Usable Surface Width	45.6
B.H.07 LRS Mile Point	9.04	B.H.17 Bypass Detour Length	11
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	79	2-T - TEMP - Two-way traffic - NS or EW	2 - U.S. route	1 - Mainline



Team Lead: Phillip Dowell, Inspection Date: 11/13/2025

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	Piney 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	

POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PO - Permanent and Open	

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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Inspection Notes

General Observation

Bridge is logged from south to north (southwest to northeast).

Inspection of this structure can be performed by foot - a ladder may be used for closer access to some overhead elements. Normal water level requires use of waders - a boat may be required during high-water.

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Deck is in good condition with minor cracking, efflorescence, and abrasion/wear.

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Undersurface is in good condition with a couple of cracks and some efflorescence.

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

Substructure is in good condition with minor abrasion/wear, delamination/spall, exposed rebar, and efflorescence.

61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

Channel is in very good condition with well vegetated and protected banks.

A-54 - Sealable Deck Cracks (Y)

Deck – Span 1-3:

A few unsealed minor- to moderate-sized longitudinal cracks with some reflective efflorescence on undersurface.

A-59 - Joint Repair Needed (Y)

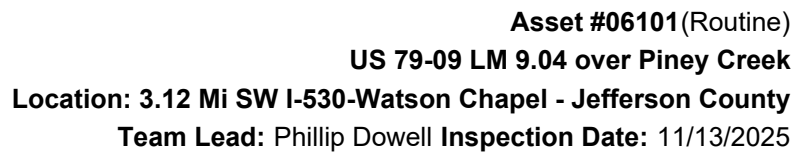
Joint – Bents 2 & 3: Pourable joint seal is mostly intact, but beginning to lose adhesion in many places.

B.C.10 Channel Protection Condition Rating (8 - VERY GOOD - Some inherent defects.)

Dumped riprap on both end-slopes.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (8 - Insignificant scour.)

Scour condition is very good with insignificant scour on piles.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3512	2571	826	115	0
1120	Efflorescence/Rust Staining	SF	16	0	1	15	0
1130	Cracking (RC and Other)	SF	325	0	225	100	0
1190	Abrasion/Wear (PSC/RC)	SF	600	0	600	0	0
(38) Deck: 46'-10" wide x 75' long = 3512 SF total.							
A few unsealed minor- to moderate-sized longitudinal cracks with some reflective efflorescence on undersurface. 225 SF CS2 Cracking, 100 SF CS3 Cracking, 1 SF CS2 Efflorescence, 15 SF CS3 Efflorescence Some minor abrasion/wear in wheel ruts. 600 SF CS2 Abrasion/Wear							
215	Reinforced Concrete Abutment	LF	106	106	0	0	0
(215) Abutments: Bents 1 & 4 / 47' each (with 3' wings each corner) = 106 LF total.							
227	Reinforced Concrete Pile	EA	12	10	2	0	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(227) Piling: Bents 2 & 3 / 6 per bent = 12 pile total.							
Bent 3 Piles 1-2: Light abrasion/wear from waterflow. 2 EA CS2 Abrasion/Wear							
234	Reinforced Concrete Pier Cap	LF	94	88	2	4	0
1080	Delamination/Spall/Patched Area	LF	1	0	0	1	0
1090	Exposed Rebar	LF	4	0	2	2	0
1120	Efflorescence/Rust Staining	LF	1	0	0	1	0
(234) Caps: Bents 2-3 / 47' each = 94 LF total.							
Bent 2 left: Spalling/delaminated on end of cap. 1 LF CS3 Delamination/Spall Bent 2 right: Spall with exposed rebar and efflorescence on end of cap. 2 LF CS3 Exposed Rebar, 1 LF CS3 Efflorescence Bent 3: Bottom face has very small spalls with exposed rebar. 2 LF CS2 Exposed Rebar							
301	Pourable Joint Seal	LF	88	0	0	88	0
2310	Leakage	LF	15	0	0	15	0
2320	Seal Adhesion	LF	53	0	0	53	0
2350	Debris Impaction	LF	20	0	0	20	0
(301) Joints: Bents 2-3 / 44' each = 88 LF total.							
Joints are leaking, have debris impaction, and loss of adhesion. 15 LF CS3 Leakage, 53 LF CS3 Seal Adhesion, 20 LF CS3 Debris Impaction							
331	Reinforced Concrete Bridge Railing	LF	150	150	0	0	0
(331) Railing: 75' each side = 150 LF total.							

Inspection Photos and Notes



Elevation - Right side view



Approach roadway view



Deck - Spans 1-3: Overview



Undersurface - Span 2: Overview



Channel - Left side view



Channel - Right side view



Deck - Span 1 (longitudinal crack)





Deck - Span 2 (longitudinal crack)



Pourable joint seal at bent 3 has loss of adhesion and debris impact, and some loss of material.



Maintenance Needs

Date Reported: 11/07/2017

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Cap -

Bent 2 left: Spalling/delaminated on end of cap. CS2 - 2'

Bent 2 right: spall with exposed rebar and efflorescence on end of cap. CS3- 2'

Remarks



Bent 2 cap right has spall with exposed rebar.



Bent 2 cap left has spalling at end.



Spall at bent 2 cap on left side .



Cap - Bent 2 right: Cracking/delaminating



Asset #06101(Routine)

US 79-09 LM 9.04 over Piney Creek

Location: 3.12 Mi SW I-530-Watson Chapel - Jefferson County

Team Lead: Phillip Dowell Inspection Date: 11/13/2025

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	Yes
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	Yes
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	Yes
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 (Yes)

Deck – Span 1-3:

A few unsealed minor- to moderate-sized longitudinal cracks with some reflective efflorescence on undersurface.



Deck - Span 1 (longitudinal crack)



Deck - Span 2 (longitudinal crack)

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 (Yes)

Joint – Bents 2 & 3: Pourable joint seal is mostly intact, but beginning to lose adhesion in many places.



Pourable joint seal at bent 3 has loss of adhesion and debris impact, and some loss of material.





Asset #06101(Routine)

US 79-09 LM 9.04 over Piney Creek

Location: 3.12 Mi SW I-530-Watson Chapel - Jefferson County

Team Lead: Phillip Dowell Inspection Date: 11/13/2025

A-60 - Full Girder Painting Needed (No)

A-61 - Polymer Overlay Advised (Yes)

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)



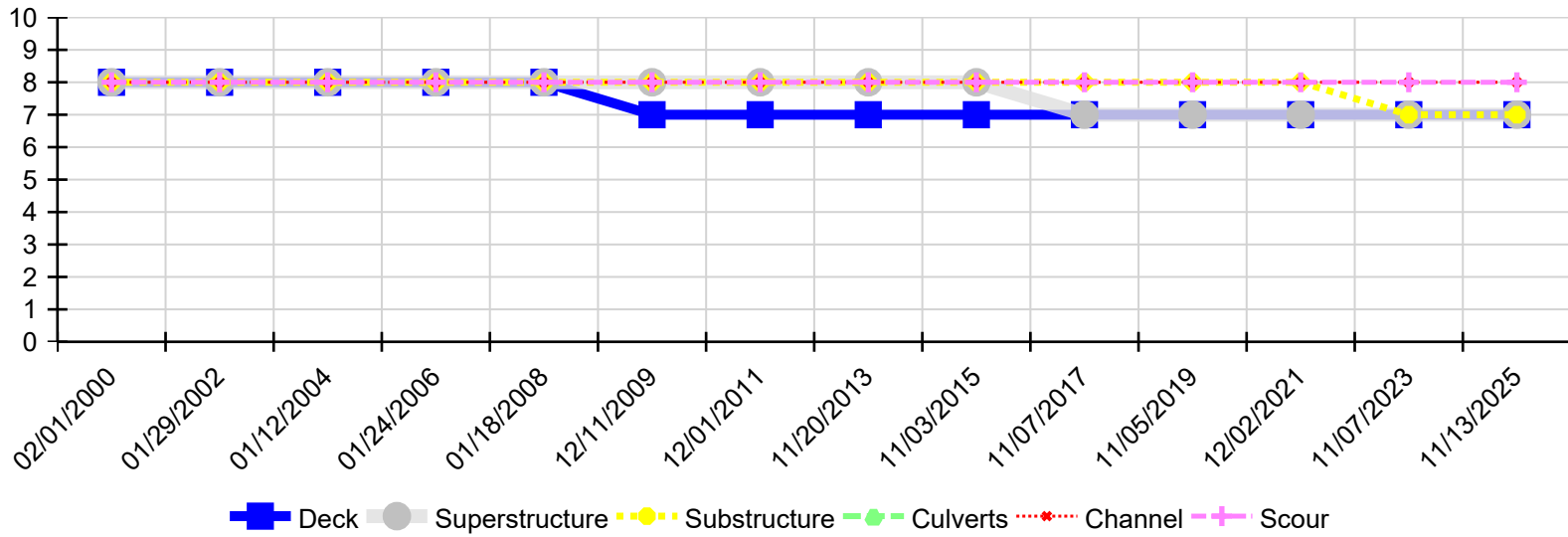
Asset #06101(Routine)

US 79-09 LM 9.04 over Piney Creek

Location: 3.12 Mi SW I-530-Watson Chapel - Jefferson County

Team Lead: Phillip Dowell Inspection Date: 11/13/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/13/2025	7	7	7	N	8	8
11/07/2023	7	7	7	N	8	8
12/02/2021	7	7	8	N	8	8
11/05/2019	7	7	8	N	8	8
11/07/2017	7	7	8	N	8	8
11/03/2015	7	8	8	N	8	8
11/20/2013	7	8	8	N	8	8
12/01/2011	7	8	8	N	8	8
12/11/2009	7	8	8	N	8	8
01/18/2008	8	8	8	N	8	8
01/24/2006	8	8	8	N	8	8
01/12/2004	8	8	8	N	8	8
01/29/2002	8	8	8	N	8	8
02/01/2000	8	8	8	N	8	8