

Bridge 06405 Inspection Report



Latitude:35.84285, Longitude:-92.07711

Route:5 Section:16 Log:16.24

Arnold Road ID:69x5x16xA, Arnold Log mile:15.857

District 05, 137 - Stone County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

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

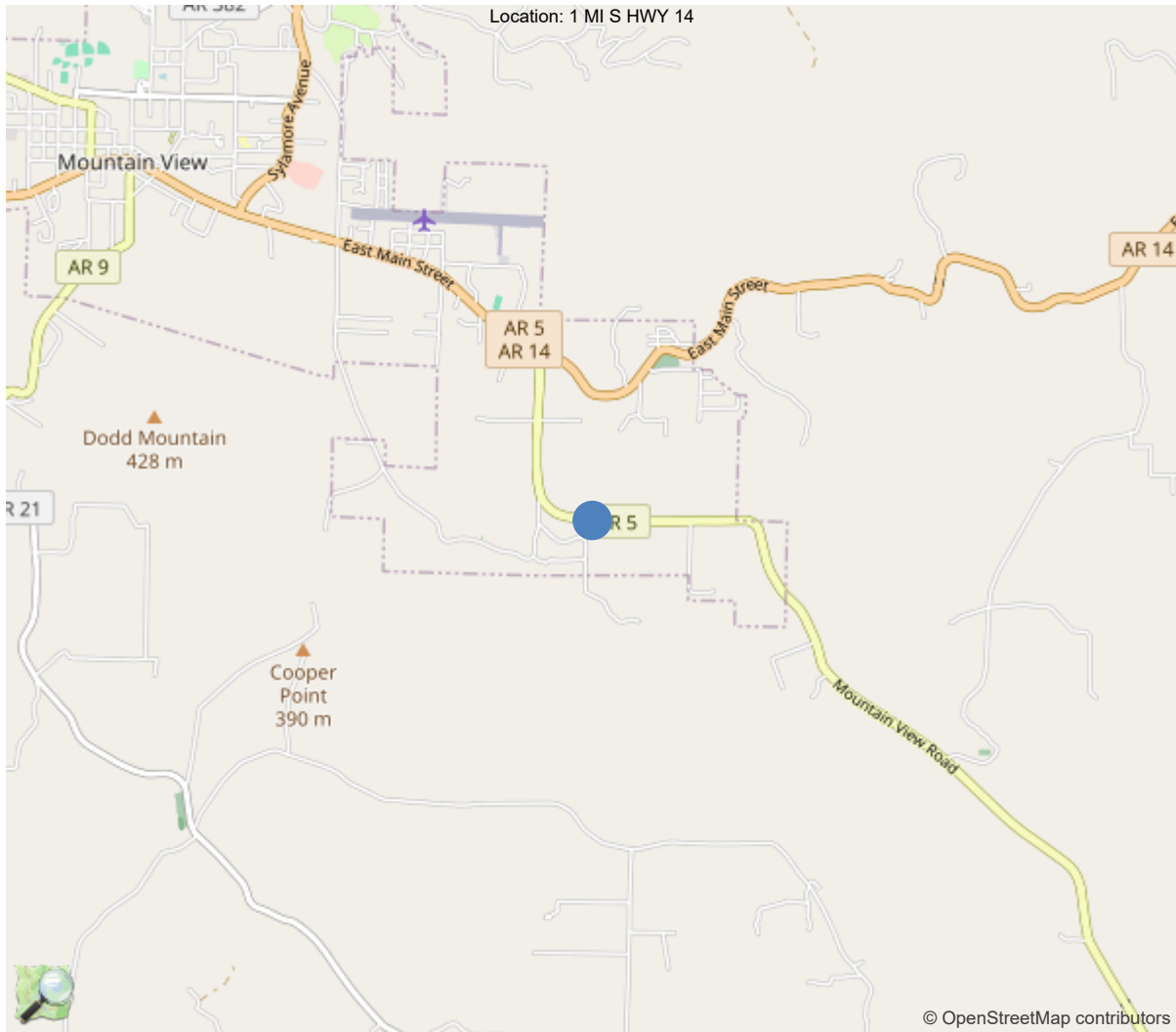
70 - Bridge Posting: 5 - Equal to or above legal loads

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



35.84285, -92.07711

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06405
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	137 - Stone County
(4) Place Code	47540
(6) Features Intersected	MILL PRONG
(7) Facility Carried	SH 5/Stone County
(9) Location	1 MI S HWY 14
(11) Mile Point	16.24 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000005160
(16) Latitude	35.84285
(17) Longitude	-92.07711
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
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	5
(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	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1992
(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	2000
(30) Year of ADT	2024
(109) Truck ADT	%
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	135 ft
(49) Structure Length	552 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	24 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	40.4 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 exists
(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 structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	4 - Historical significance is
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	34
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	27
(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	1 - Inspected feature meets current
(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	2385
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			12/04/2024
(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		
<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>			

Team Lead: Jake Norris, Inspection Date: 02/18/2026

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	06405
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	M0150
B.W.01 Year Built	1992

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	137 - Stone County
B.L.03 Place Code	47540 - Mountain View
B.L.04 Highway Agency District	05 - District 05
B.L.05 Latitude	35.84285
B.L.06 Longitude	-92.07711
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	1 MI S HWY 14
B.L.12 Metropolitan Planning Organization	

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	547
B.G.02 Total Bridge Length	551.8
B.G.03 Max Span Length	134.8
B.G.04 Min Span Length	88
B.G.05 Bridge Width Out-to-Out	42.7
B.G.06 Bridge Width Curb-to-Curb	40
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	24

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	70
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	23561.9

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	0.75
B.LR.06 Operating Load Rating Factor	0.94
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	N - No E/E' 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	5 - FAIR - Some moderate defec
B.C.06 Bridge Railing Transitions Condition	7 - GOOD - Some minor defects.
B.C.07 Bridge Bearings Cond.	7 - GOOD - Some minor defects.
B.C.08 Bridge Joints Condition	4 - POOR - Widespread moderate
B.C.09 Channel Condition Rating	8 - VERY GOOD - Inherent defec
B.C.10 Channel Protection Condition	
B.C.11 Scour Condition Rating	9 - No 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	N - Bridge does not require seismic

Team Lead: Jake Norris, Inspection Date: 02/18/2026

SPAN SETS			
M1			
B.SP.02 # of Spans	5	B.SP.08 Deck Interaction	
B.SP.03 # of Beam Lines		B.SP.09 Deck Material and Type	CR-T - TEMP - concrete cast-in
B.SP.04 Span Material	S-T - TEMP - steel - S01 or S0	B.SP.10 Wearing Surface	0 - None
B.SP.05 Span Continuity	C-T - TEMP - continuous - 2 or	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	GB-T - TEMP - girder/beam - G0	B.SP.12 Deck Reinforcing Protective System	C01 - Coating - epoxy coated
B.SP.07 Span Protective System		B.SP.13 Deck Stay-In-Place Forms	

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	A03 - Abutment - open/spill th	B.SB.07 Foundation Protective System	0 - None
P1			
B.SB.02 No. of Substructure Units	4	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	P01 - Pier - wall	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	1900
B.F.03 Feature Name	SH 5/Stone County	B.H.10 Annual ADTT	228
B.H.01 Functional Classification	4 - Minor Arterial	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	5160	B.H.16 Highway Max Usable Surface Width	40.3
B.H.07 LRS Mile Point	16.24	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	5	2-T - TEMP - Two-way traffic - NS or EW	3 - State route	1 - Mainline



Team Lead: Jake Norris, Inspection Date: 02/18/2026

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	MILL PRONG	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	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
----------------------------------	----------------------------------	----------------------	-----------------------



Inspection Notes

General Observation

12/04/2024

Routine and Underwater Type 2 inspections were conducted on this date from Southeast to Northwest. All deficiencies were noted and quantified in the report's elements section, and all components were rated according to their condition.

Job #5802

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

Deck is in Good condition with cracking to deck and efflorescence to overhangs. as a result, a rating of 7.

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

Superstructure is in Good condition with minor some minor corrosion developing to girders and diaphragms. As a result, a rating of 7.

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

Substructure is in Good condition with delaminated areas and cracking, some with efflorescence to abutments and pier walls. As a result, a rating of 7.

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.)

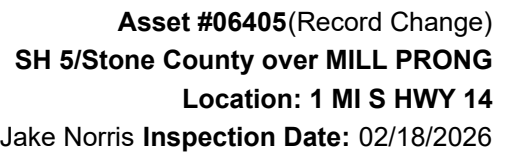
Channel is in Very Good condition with no problems noted. As a result, a rating of 8.

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

Roadway with Log Mile running Southeast to Northwest.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (9 - No Scour.)

No scour is present.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	23626	23291	255	80	0
1120	Efflorescence/Rust Staining	SF	125	0	125	0	0
1130	Cracking (RC and Other)	SF	210	0	130	80	0
(12) Minor cracking to deck at all spans.(Mostly Span 1) 130SF CS2 80SF CS3 Minor efflorescent cracks to Left and Right overhangs.125SF CS2 Areas of rust to stay in place forms above field splices at all spans.							
107	Steel Open Girder/Beam	LF	3300	3300	0	0	0
515	Steel Protective Coating	SF	30793	30723	50	20	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	70	0	50	20	0
(107) Some minor corrosion developing to girders and random diaphragms between girders.							
210	Reinforced Concrete Pier Wall	LF	52	52	0	0	0
(210) No problems noted.							
215	Reinforced Concrete Abutment	LF	124	112	12	0	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	7	0	7	0	0
(215) Abutment 1: Backwall: Efflorescent cracking. 4 CS2 Abutment 1: Vertical cracking. 7LF CS2 Abutment 2: Backwall: Efflorescent cracking. 1LF CS2							
234	Reinforced Concrete Pier Cap	LF	168	101	50	17	0
1080	Delamination/Spall/Patched Area	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	61	0	45	16	0
(234) Bent 1: Backside: Minor cracking. 5LF CS2 Bent 2: Backside Right: Spall. 1LF CS3 Bent 2: Backside step up: Minor cracking. 11LF CS2 Bent 2: Backside: Horizontal cracking. 32LF CS2 Bent 2: Backside: Efflorescent cracking.5 LF CS2 Bent 3: Backside: Minor cracking. 9LF CS2 Bent 4: Backside: Minor cracking. 4LF CS2							
301	Pourable Joint Seal	LF	129	0	0	86	43
2310	Leakage	LF	129	0	0	86	43
(301) Abutment 1: Adheasion failure/leakage: 43LF CS3 Bent 1: Adhesion failure/leakage. 43LF CS4 Abutment 2: Adheasion failure/leakage: 43LF CS3							

Inspection Photos and Notes



12/09/2024

Elevation



12/09/2024

Typical deck



12/09/2024

Typical undersurface



12/04/2024

Roadway with Log Mile running Southeast to Northwest.



Downstream



Upstream



Typical joint condition.



Abutment 2, right.



Typical efflorescence



Typical



Areas of rust to stay in place forms above field splices at all spans.



Typical cs2 transverse crack



Span 1: transverse cracking. 80LF CS3



Typical girder condition.



Typical elastomeric bearings.



Typical pier wall



Abutment 1: has vertical cracks and efflorescence.



Bent 2: Backside Right: Spall. 1LF CS3



Abutment 2: Adhesion failure/leakage: 43LF CS3



Bent 1: Adhesion failure/leakage. 43LF CS4



Abutment 1: Adhesion failure/leakage: 43LF CS3



Bent 2, right: has a spall at the joint. 1LF CS3



Span 4: Right: Spall. 2LF CS3



Span 2: Left rail: Spall. 1LF CS3



Areas of heavy efflorescent map cracking to Parapet walls
on Left and Right sides.152LF CS3



Areas of heavy efflorescent map cracking to Parapet walls
on Left and Right sides.152LF CS3

Maintenance Needs

Date Reported: 12/12/2016

Priority: C - Important

Type of Work: Joint Repair

Status: Assigned

Component: Bridge

Deficiency Description

Pourable joint seals are deteriorated and leak.

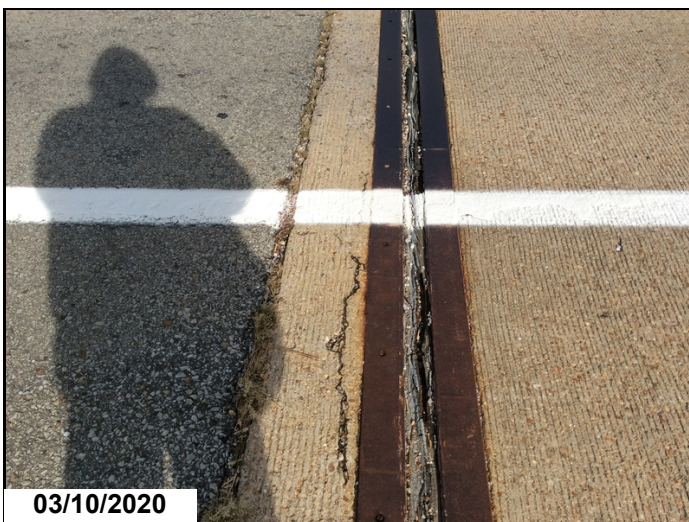
Remarks



Pourable joint seals are deteriorated and leak.



Pourable joint seals are deteriorated and leak.



Pourable joint seal is losing adhesion @ Abutment 2.



Pourable joint seal is losing adhesion @ Bent 2.

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	Yes
A-65 - Clogged deck drains?	
A-66 - Approach minor pothole/leveling needed	

A-54 - Sealable Deck Cracks (Yes)

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)



Typical joint condition.

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 (Yes)



Abutment 2, right.

A-65 - Clogged deck drains?

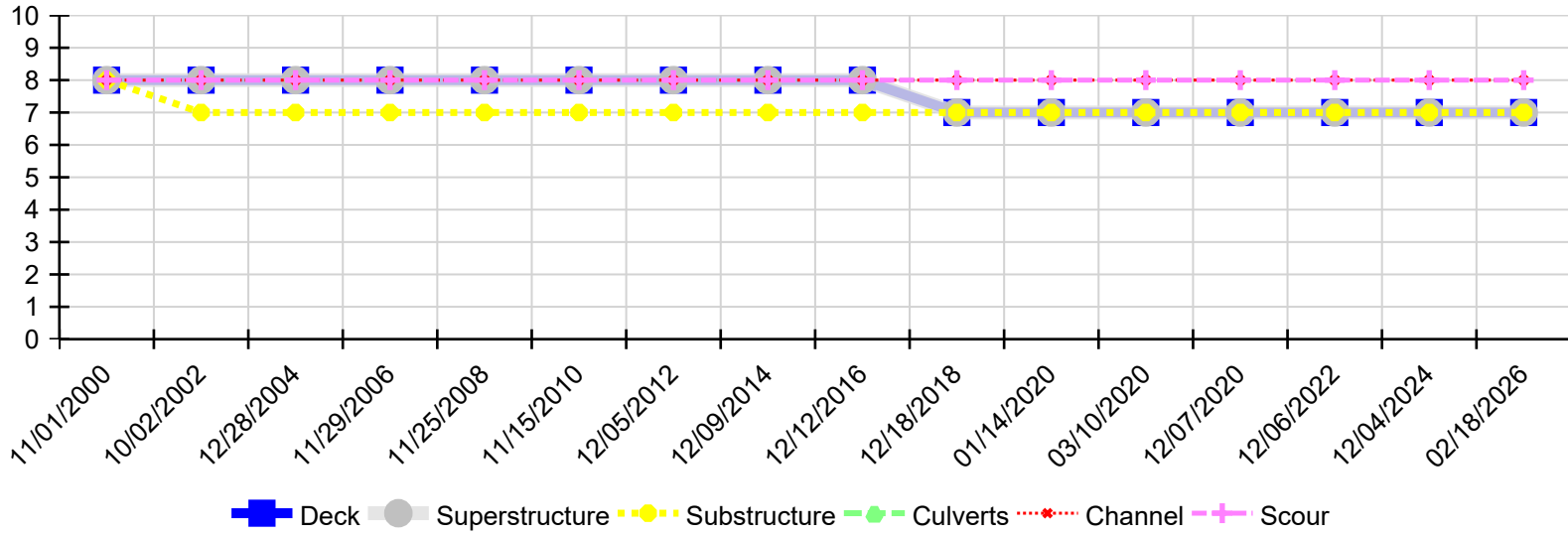
A-66 - Approach minor pothole/leveling needed



Asset #06405(Record Change)
SH 5/Stone County over MILL PRONG
Location: 1 MI S HWY 14

Team Lead: Jake Norris Inspection Date: 02/18/2026

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
02/18/2026	7	7	7	N	8	8
12/04/2024	7	7	7	N	8	8
12/06/2022	7	7	7	N	8	8
12/07/2020	7	7	7	N	8	8
03/10/2020	7	7	7	N	8	8
01/14/2020	7	7	7	N	8	8
12/18/2018	7	7	7	N	8	8
12/12/2016	8	8	7	N	8	8
12/09/2014	8	8	7	N	8	8
12/05/2012	8	8	7	N	8	8
11/15/2010	8	8	7	N	8	8
11/25/2008	8	8	7	N	8	8
11/29/2006	8	8	7	N	8	8
12/28/2004	8	8	7	N	8	8
10/02/2002	8	8	7	N	8	8
11/01/2000	8	8	8	N	8	8