Asset #06580(Routine, Underwater type 2)
SH 73 - 02 - 11.75 over Black Bois D'Arc Creek
Location: 2.5MI.W.JCT SH 73 & SH278
Team Lead: Jared Kegley **Inspection Date:** 09/24/2026

Bridge 06580 Inspection Report



Latitude:33.69556, Longitude:-93.67955

Route:73 Section:02 Log:11.75

Arnold Road ID:29x73x2xA

District 03, County 57 - Hempstead County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

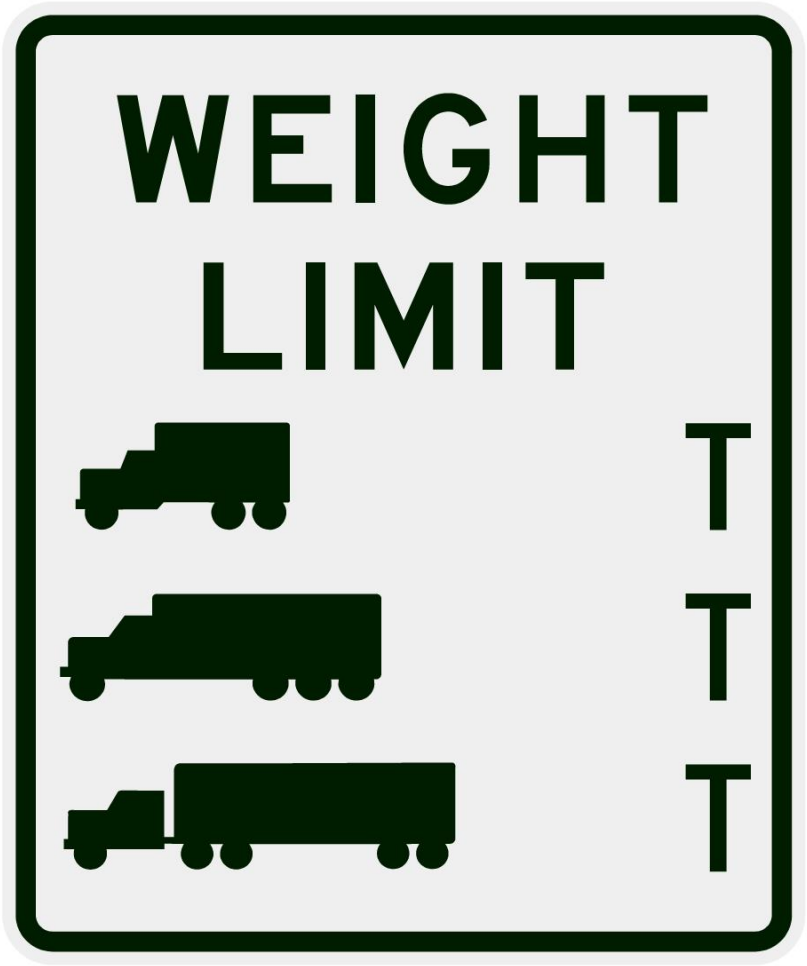
Asset #06580(Routine, Underwater type 2)
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Bridge Posting Information

Latest Load Posting Status: PO - Permanent and Open

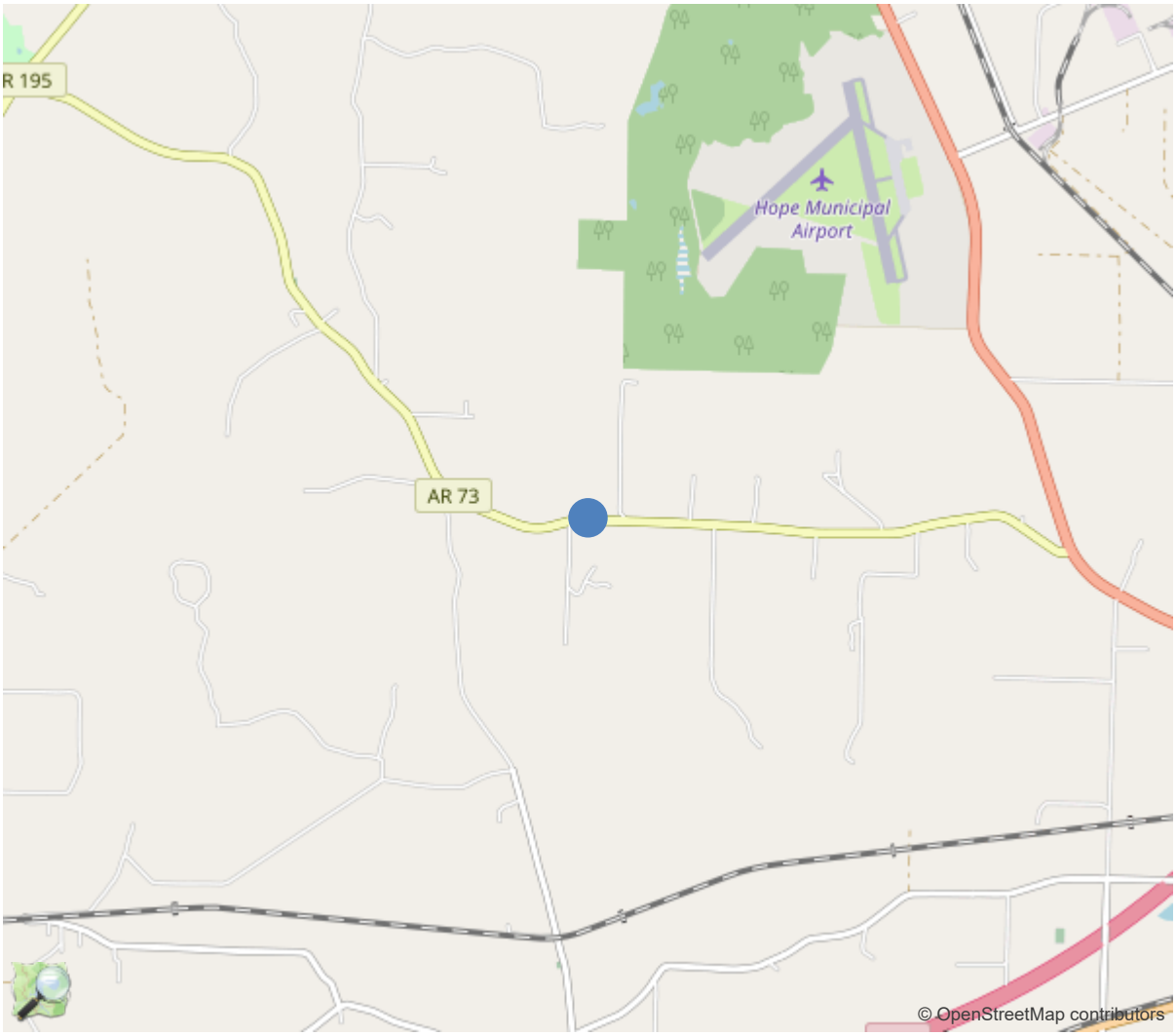
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

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

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33.69556, -93.67955

Asset #06580(Routine, Underwater type 2)
SH 73 - 02 - 11.75 over Black Bois D'Arc Creek
Location: 2.5MI.W.JCT SH 73 & SH278
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Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	06580
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	M1396
B.W.01 Year Built	1996

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	57 - Hempstead County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	03 - District 03
B.L.05 Latitude	33.69556
B.L.06 Longitude	-93.67955
B.L.07 Border Bridge Number	N
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	2.5MI.W.JCT SH 73 & SH278
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	115
B.G.02 Total Bridge Length	120
B.G.03 Max Span Length	30
B.G.04 Min Span Length	30
B.G.05 Bridge Width Out-to-Out	32.8
B.G.06 Bridge Width Curb-to-Curb	29.9
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	34.1
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	15
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	3936.0

LOADS AND LOAD RATING	
B.LR.01 Design Load	HS20 - HS-20
B.LR.02 Design Method	
B.LR.03 Load Rating Date	06/15/2022
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 - Widespread inherent
B.C.02 Superstructure Condition	7 - GOOD - Widespread inherent
B.C.03 Substructure Condition	7 - GOOD - Widespread inherent
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	7 - GOOD - Widespread inherent
B.C.06 Bridge Railing Transitions Condition	6 - SATISFACTORY - Widespread
B.C.07 Bridge Bearings Cond.	N - NOT APPLICABLE - Component
B.C.08 Bridge Joints Condition	5 - FAIR - Some moderate defec
B.C.09 Channel Condition Rating	7 - GOOD - Some minor defects.
B.C.10 Channel Protection Condition	7 - GOOD - Widespread inherent
B.C.11 Scour Condition Rating	5 - Moderate scour; strength a
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

Asset #06580(Routine, Underwater type 2)
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SPAN SETS

M1

B.SP.02 # of Spans	4	B.SP.08 Deck Interaction	IM - Integral or monolithic
B.SP.03 # of Beam Lines	4	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	G03 - Girder/beam - tee-beam	B.SP.12 Deck Reinforcing Protective System	C01 - Coating - epoxy coated
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	3	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 or shaft	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	1388
B.F.03 Feature Name	SH 73 - 02 - 11.75	B.H.10 Annual ADTT	235
B.H.01 Functional Classification	5 - Major 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	73	B.H.16 Highway Max Usable Surface Width	30.1
B.H.07 LRS Mile Point	11.75	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	73	EW - Eastbound and Westbound	3 - State route	1 - Mainline

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SH 73 - 02 - 11.75 over Black Bois D'Arc Creek
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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	Black Bois D'Arc 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	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

9/24/2026 - Routine and Underwater Type 2 inspection performed by J. Kegley and T. Cook.

Inspection Procedure

Tools Needed:
Hip boots/snake chaps and a sounding rod were used for this inspection.

Depth of Water:
The water depth at the time of this inspection was approximately 2' deep.

Notes:
No lane closure was needed for this inspection.

B.C.01 Deck Condition Rating (7 - GOOD - Widespread inherent or some minor defects.)

The deck is rated a 7 this inspection due to various locations of cracking present throughout all spans along the driving surface. These areas of cracking range from 0.014" to 0.020" and are found at the corners of the span at a 45 degree angle. The undersurface of the top flange have various locations of efflorescence present throughout all spans.

B.C.02 Superstructure Condition Rating (7 - GOOD - Widespread inherent or some minor defects.)

The superstructure is rated a 7 this inspection due to cracking and efflorescence being present to all of the end stems of the concrete tee beams. These areas of efflorescence are found directly above the concrete caps.

B.C.03 Substructure Condition Rating (7 - GOOD - Widespread inherent or some minor defects.)

The substructure is rated a 7 this inspection due to some minor defects being present to the abutments and intermediate bents.

B.C.04 Culvert Condition Rating (N - NOT APPLICABLE - Component does not exist.)

B.C.05 Bridge Railing Condition Rating (7 - GOOD - Widespread inherent or some minor defects.)

The bridge railing is rated a 7 this inspection due to minor cracking present along both the right and left sides of the concrete parapet walls.

B.C.06 Bridge Railing Transitions Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

The bridge railing transitions are rated a 6 this inspection due to isolated areas of damage found to the metal guardrails at both the beginning and ends of the bridge.

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*For additional details and justification into the condition ratings of this structure, refer to the elements section, photo log and any applicable follow up maintenance items in this report.

B.C.07 Bridge Bearings Condition Rating (N - NOT APPLICABLE - Component does not exist.)

B.C.08 Bridge Joints Condition Rating (5 - FAIR - Some moderate defects.)

The bridge joints are rated a 5 this inspection due to loss of seal adhesion located to the joint lines at intermediate bents 2 through 4.

B.C.14 - NSTM Inspection Condition

B.C.15 Underwater Inspection Condition

B.C.09 Channel Condition Rating (7 - GOOD - Some minor defects.)

The channel is rated a 7 this inspection due to minor streambank damage located to both the upstream and downstream sides of the bridge. Soundings were taken this inspection and linked to the report and asset files.

B.C.10 Channel Protection Condition Rating (7 - GOOD - Widespread inherent or some minor defects.)

The channel protection is rated a 7 this inspection due to some minor defects the the rip rap used for protection against abutments 1 & 5.

B.C.11 Scour Condition Rating (5 - Moderate scour; strength and stability of the bridge are not affected.)

The scour rating is a 5 this inspection due to some moderate scour around intermediate bents 3 & 4. There is also moderate scour located in span 2 where the channel has been through during high water.

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*For additional details and justification into the condition ratings of this structure, refer to the elements section, photo log and any applicable follow up maintenance items in this report.

Asset #06580(Routine, Underwater type 2)
SH 73 - 02 - 11.75 over Black Bois D'Arc Creek
Location: 2.5MI.W.JCT SH 73 & SH278
Team Lead: Jared Kegley **Inspection Date:** 09/24/2026

National Bridge Element Quantities and Notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3936	3816	120	0	0
1120	Efflorescence/Rust Staining	SF	60	0	60	0	0
1130	Cracking (RC and Other)	SF	60	0	60	0	0
(16) Reinforced Concrete Top Flange: Driving surface, Various locations throughout all spans, Cracking, 60 Sq Ft, CS2 Undersurface, Various locations throughout all spans, Efflorescence, 60 Sq Ft, CS2							
110	Reinforced Concrete Open Girder/Beam	LF	480	430	50	0	0
1120	Efflorescence/Rust Staining	LF	50	0	50	0	0
(110) Reinforced Concrete Open Girder/Beam: Various locations, Efflorescence, 50 LF, CS2 Note - The efflorescence to the concrete beams is located on the end stems that is sitting directly above the concrete caps.							
215	Reinforced Concrete Abutment	LF	106	106	0	0	0
226	Prestressed concrete piles	EA	15	15	0	0	0
234	Reinforced Concrete Pier Cap	LF	101	101	0	0	0
301	Pourable Joint Seal	LF	98	0	0	98	0
2320	Seal Adhesion	LF	98	0	0	98	0
(301) Pourable Joint Seal: Various locations throughout joint lines, Loss of seal adhesion, 98 LF, CS3							
331	Reinforced Concrete Bridge Railing	LF	240	230	10	0	0
1130	Cracking (RC and Other)	LF	10	0	10	0	0
(331) Reinforced Concrete Bridge Railing: Various locations along both the right and left sides, Cracking, 10 LF, CS2							

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Inspection Photos and Notes



Elevation



Name plate



Deck photo, Undersurface



Deck photo, Driving surface

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Concrete beam photo



Intermediate bent photo



Abutment photo



Bridge railing photo

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Damage to approach guardrail, End of bridge left side



Bridge railing transition photo



Joint photo, Typical at intermediate bents



Joint photo, Typical at beginning and end of bridge

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Upstream channel



Downstream channel



Upstream channel



Rip rap used for channel protection

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Scour around bent 4



Scour around bent 3



Bent 3 scour



Bent 3 scour

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Bent 3 scour



Bent 4 scour



Bent 4 scour



Bent 4 scour

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Span 2 scour



Span 2 scour



Span 2 scour



Sealable deck cracks

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Vegetation



Vegetation



Vegetation



Vegetation

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Inventory



Deck, Undersurface, Efflorescence, CS2



Deck, Undersurface, Efflorescence, CS2



Deck, Undersurface, Efflorescence, CS2

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Deck, Driving surface, Cracking, CS2



Deck, Driving surface, Cracking, CS2



Deck, Driving surface, Cracking, CS2



Most of the cracking with efflorescence is in the integral concrete diaphragms



Beams, Typical, Efflorescence, CS2



Beams, Typical, Efflorescence, CS2



Beams, Typical, Efflorescence, CS2



Beams, Typical, Efflorescence, CS2

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Pourable joint seal, Loss of seal adhesion, CS3



Pourable joint seal, Loss of seal adhesion, CS3



Concrete bridge railing, Cracking, CS2

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	No
A-60 - Full Beam Painting Needed	No
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	Yes
A-65 - Clogged deck drains?	No
A-66 - Approach minor pothole/leveling needed	No

A-54 - Sealable Deck Cracks (Yes)
Sealable deck cracks are present throughout all spans.



Sealable deck cracks

A-64 - Vegetation Removal Requested (Yes)
Vegetation removal is requested due to trees and vegetation along both sides of the bridge.


Vegetation

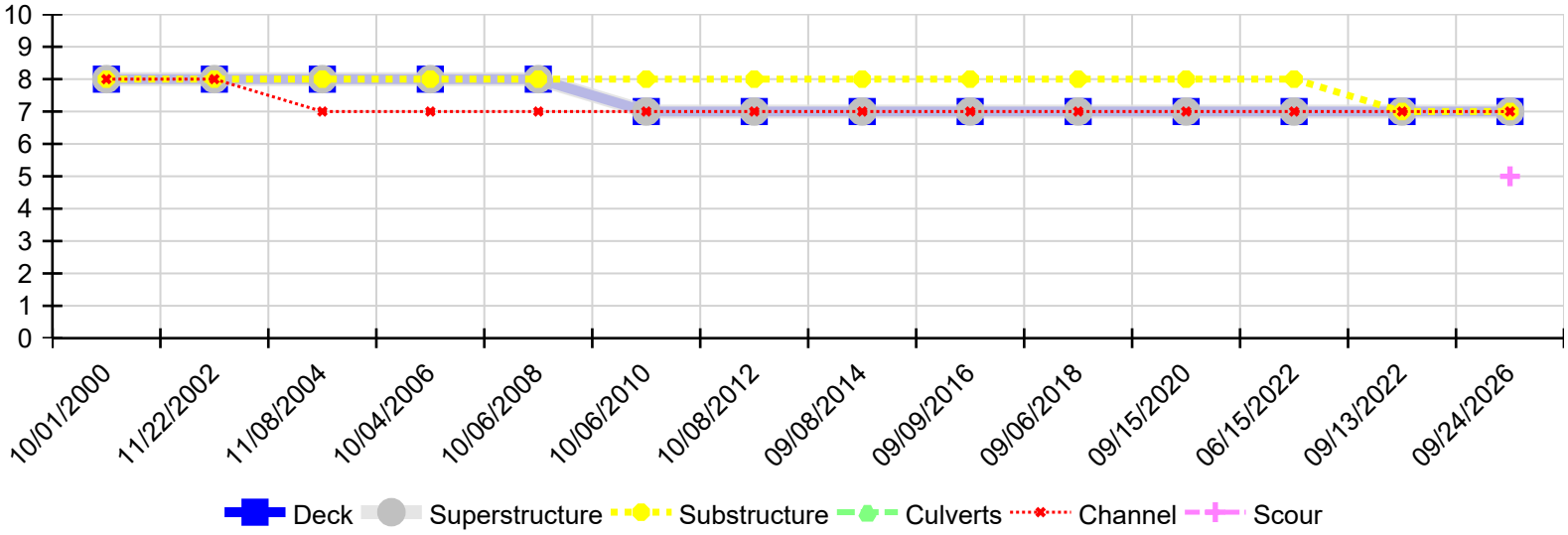

Vegetation


Vegetation


Vegetation

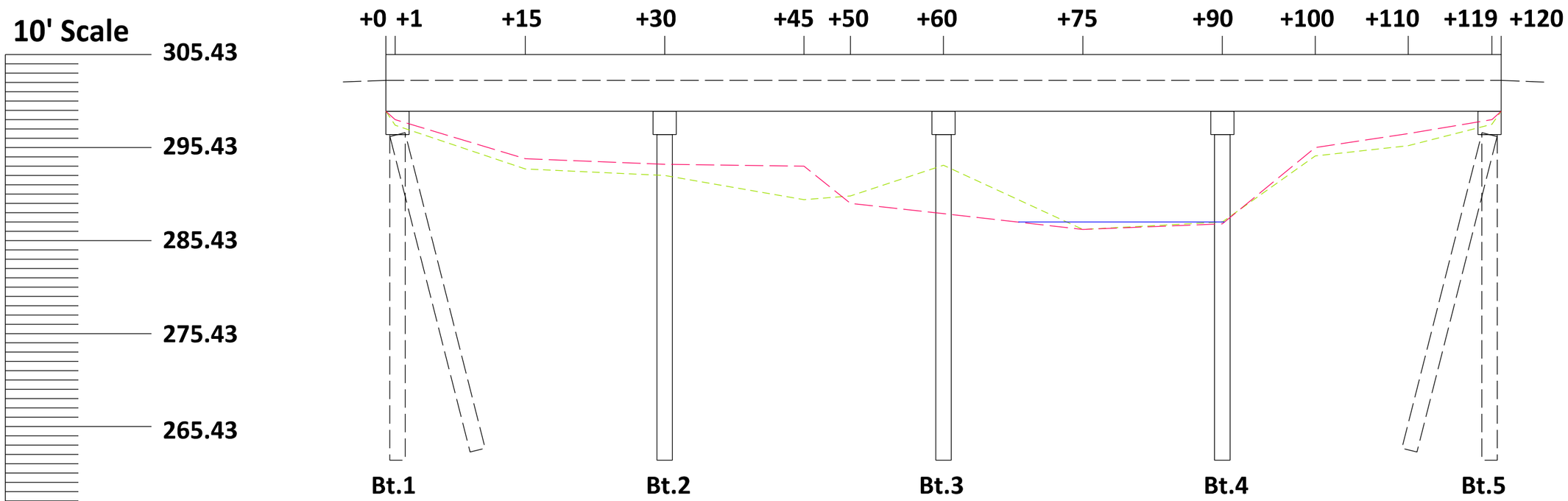
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/24/2026	7	7	7	N	7	5
09/13/2022	7	7	7	N	7	N
06/15/2022	7	7	8	N	7	N
09/15/2020	7	7	8	N	7	N
09/06/2018	7	7	8	N	7	N
09/09/2016	7	7	8	N	7	N
09/08/2014	7	7	8	N	7	N
10/08/2012	7	7	8	N	7	N
10/06/2010	7	7	8	N	7	N
10/06/2008	8	8	8	N	7	N
10/04/2006	8	8	8	N	7	N
11/08/2004	8	8	8	N	7	N
11/22/2002	8	8	8	N	8	N
10/01/2000	8	8	8	N	8	N

Soundings Taken Top Of Parapet Wall



All piling is 35'

Right Side Sounding

Left Side Sounding

ARKANSAS STATE HIGHWAY COMMISSION

Little Rock, ARK.

0' 12' 24'

Scale:1"=12'

Inspection Dir: W To E

Channel Flow: N To S

BRIDGE NO.

06580

Drawn By: T. Cook

Project: Soundings

Checked By: J.Kegley

Date: 20260924

ARDOT BRIDGE OPERATIONS