

Bridge 06536 Inspection Report



Latitude:33.12792, Longitude:-93.30801

Route:19 Section:01 Log:7.668

Arnold Road ID:14x19x1xA, Arnold Log mile:7.644

District 07, 27 - Columbia County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

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

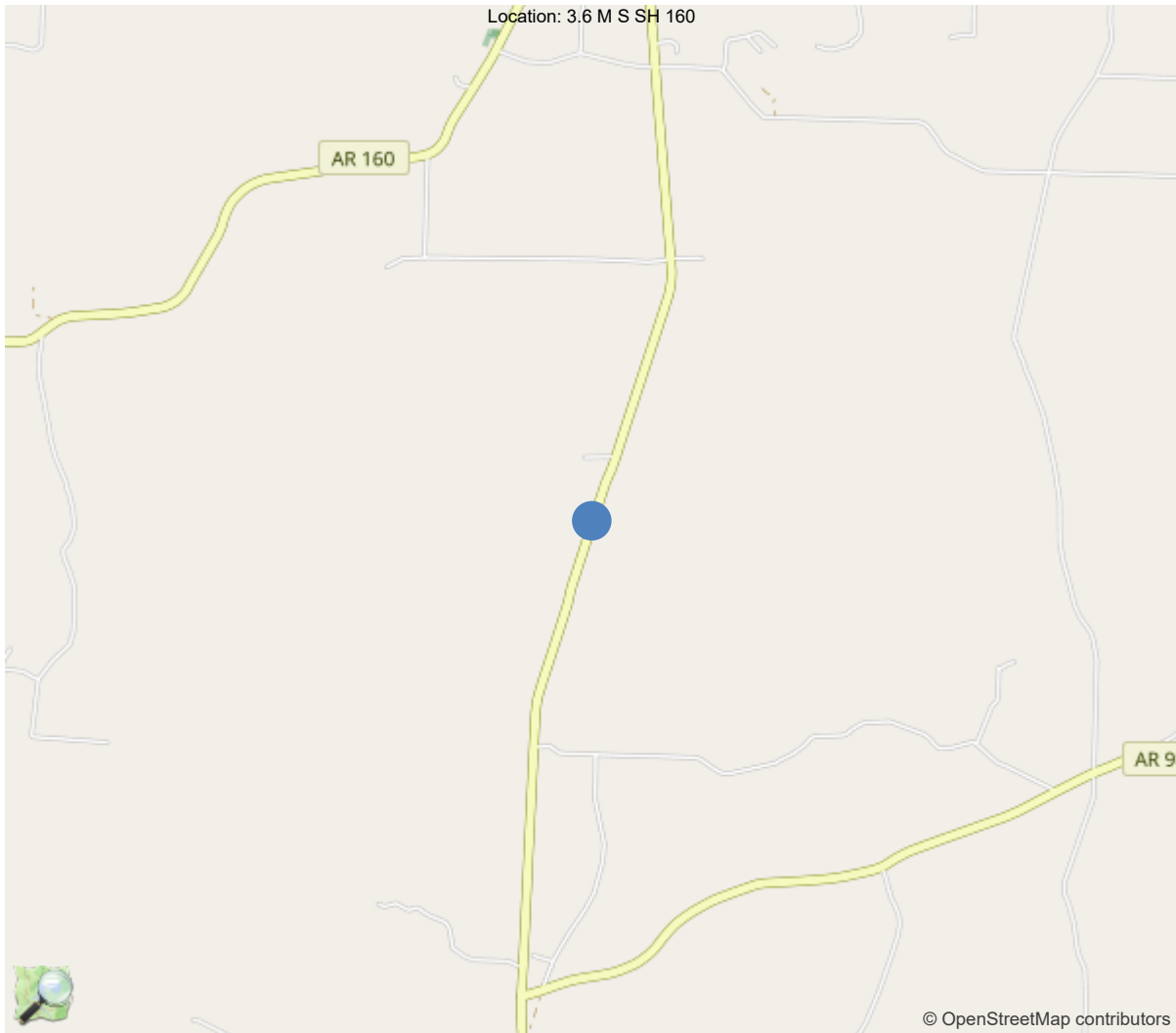
70 - Bridge Posting: 5 - Equal to or above legal loads

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)	49		
Code 5 (40 Tons)	58		

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



33.12792, -93.30801

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06536
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	27 - Columbia County
(4) Place Code	0
(6) Features Intersected	HORSEHEAD CRK
(7) Facility Carried	SH 19 S-1 LM 7.67
(9) Location	3.6 M S SH 160
(11) Mile Point	7.668 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.12792
(17) Longitude	-93.30801
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1 - Concrete
Type	4 - Tee beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	10
(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	9 - Other
AGE AND SERVICE	
(27) Year Built	1995
(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	870
(30) Year of ADT	2024
(109) Truck ADT	%
(19) Bypass, Detour Length	20 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	350 ft
(50) Curb or Sidewalk Width	
Left	0.6 ft
Right	0.6 ft
(51) Bridge Roadway Width Curb to Curb	30 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	30 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	7 - Rural Major Collector
(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 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	6
(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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(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	
(114) Future ADT	913
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			09/30/2025
(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: Rickie Bratton, Inspection Date: 09/30/2025

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	06536
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	01650
B.W.01 Year Built	1995

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	27 - Columbia County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	07 - District 07
B.L.05 Latitude	33.12792
B.L.06 Longitude	-93.30801
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	3.6 M S SH 160
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	350.1
B.G.02 Total Bridge Length	350.1
B.G.03 Max Span Length	35.1
B.G.04 Min Span Length	35
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	0.7
B.G.08 Right Curb or Sidewalk Width	0.7
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	11483.3

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	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	7 - GOOD - Some minor defects.
B.C.06 Bridge Railing Transitions Condition	7 - GOOD - Some minor defects.
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	6 - SATISFACTORY - Widespread
B.C.10 Channel Protection Condition	6 - SATISFACTORY - Widespread
B.C.11 Scour Condition Rating	6 - Widespread minor or isolat
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	A - Seismic evaluation completed. B

Team Lead: Rickie Bratton, Inspection Date: 09/30/2025

SPAN SETS			
M1			
B.SP.02 # of Spans	10	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	0 - None
B.SP.07 Span Protective System	E01 - Encasement - concrete	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	9	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	790
B.F.03 Feature Name	SH 19 S-1 LM 7.67	B.H.10 Annual ADTT	7
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		B.H.16 Highway Max Usable Surface Width	29.8
B.H.07 LRS Mile Point	7.668	B.H.17 Bypass Detour Length	20
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	19	2-T - TEMP - Two-way traffic - NS or EW	3 - State route	1 - Mainline



Team Lead: Rickie Bratton, Inspection Date: 09/30/2025

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	HORSEHEAD CRK	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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Asset #06536(Routine, Underwater type 2)

SH 19 S-1 LM 7.67 over HORSEHEAD CRK

Location: 3.6 M S SH 160

Team Lead: Rickie Bratton Inspection Date: 09/30/2025

Inspection Notes

General Observation

Hip boots used to access and inspect structure.

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

Overall, the deck is in good condition. Diagonal and longitudinal cracks.

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

Overall, the superstructure is in good condition, vertical hairline cracks in girders.

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

Overall, the substructure is in good condition.

Piles have minor scour with light abrasion.

Concrete caps have small spalls.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

Banks are slumping. with little protection.

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

This structure is logged from South to North.

A-64 - Vegetation Removal Requested (Y)

Span 4 right side trees growing under bridge

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6 - Widespread minor or isolated moderate scour.)

Scour has eroded out, through the interior piles of most the bents.

National Bridge Element Quantities and Notes

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16		Reinforced Concrete Top Flange	SF	11494	10262	1232	0	0
1120		Efflorescence/Rust Staining	SF	22	0	22	0	0
1130		Cracking (RC and Other)	SF	1210	0	1210	0	0
(16) All spans have cracks up to 0.020". Longitudinal and diagonal cracks.								
(1120-16) Deck Undersurface								
Span 1								
Bay 1 - efflorescence 2’ CS2								
Bay 2 - NONE								
Bay 3 - efflorescence 3’ CS2								
Span 2								
Bay 1 - NONE								
Bay 2 - efflorescence 2’ CS2								
Bay 3 - efflorescence 1’ CS2								
Span 3								
Bay 1 -efflorescence 2’ CS2								
Span 4								
NONE								
Span 5								
Bay 1 - efflorescence 3’ CS2								
Bay 2- NONE								
Bay 3- efflorescence 2’ CS2								
Span 6								
NONE								
Span 7								
Bay 1 - efflorescence 1’ CS2								
Span 8								
NONE								
Span 9								
NONE								
Span 10								
Bay 1 - efflorescence 4’ CS2								
Bay 2 - NONE								
Bay 3 - efflorescence 2’ CS3								
(1130-16) Span 1 - 29’ diagonal cracking CS2 - 140’ longitudinal cracks CS2								
Span 2 - 14’ diagonal cracking CS2 - 105’ longitudinal cracks CS2								
Span 3 - 16’ diagonal cracking CS2 - 80’ longitudinal cracks CS2								
Span 4 - 6’ diagonal cracking CS2 - 140’ longitudinal cracks CS2								
Span 5 - 30’ diagonal cracking CS2 - 140’ longitudinal cracks CS2								
Span 6 - 22’ diagonal cracking CS2 - 140’ longitudinal cracks CS2								
Span 7 - 11’ diagonal cracking CS2 - 105’ longitudinal cracks CS2								

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Span 8 - 9' diagonal cracking CS2 - 105' longitudinal cracks CS2 Span 9 - 35' cracks longitudinal CS2 Span 10 - diagonal cracking 13' CS2 - 70' longitudinal cracks CS2							
110	Reinforced Concrete Open Girder/Beam	LF	1400	1399	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(110) Span 6: -Girder 1 has a 10" patched area at mid span. Spall 1' CS2.							
215	Reinforced Concrete Abutment	LF	84	84	0	0	0
227	Reinforced Concrete Pile	EA	44	24	20	0	0
1190	Abrasion/Wear (PSC/RC)	EA	4	0	4	0	0
6000	Scour	EA	16	0	16	0	0
(227) Bent 3: -Piles 1 & 2 have local scour. 2 CS2 Bent 4: -Piles 1 - 4 have light abrasion. 4 CS2 Bent 5: -Piles 3 & 4 have local scour. 2 CS2 (1190-227) - (6000-227) - Bent 2 piles 1&2 local scour CS2 - Bent 3 pile 1 local scour CS2 - Bent 5 piles 2-4 local scour CS2 - Bent 6 all pile minor local scour CS2 Local scour piles 1-3 throughout spans 8&9							
234	Reinforced Concrete Pier Cap	LF	295	282	5	8	0
1080	Delamination/Spall/Patched Area	LF	13	0	5	8	0
(234) Bent 2: -Backside of the cap has 6" diameter x 3" deep spall below Girder 1. 1' CS2 Bent 3: -Backside of the cap has a 4' long x 12" tall x 2" deep spall below Girder 3. 4' CS3 Bent 5: -Backside of the cap has 12" diameter x 2' deep spalls below both keyways. Ahead side has 8" delam. below the left keyway. 2' CS2 Bent 7: -Backside of the cap has a 10" diameter x 2" deep spall below the right keyway. 1' CS2 Bent 8: -Ahead side of the cap has an 8" delam below girder 2. 1' CS2 Bent 9: -Backside of the cap has 16" diameter x 2" deep spalls below the keyways. Ahead side has spalls below the keyways also. 4' CS3							
301	Pourable Joint Seal	LF	296	0	0	269	27
2320	Seal Adhesion	LF	296	0	0	269	27
(301) All joint seal has lost bond and is leaking. Bent 7: -6' missing CS4 Bent 8: -6' missing CS4 Bent 8:							



Asset #06536(Routine, Underwater type 2)

SH 19 S-1 LM 7.67 over HORSEHEAD CRK

Location: 3.6 M S SH 160

Team Lead: Rickie Bratton Inspection Date: 09/30/2025

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
-15' missing CS4							
331	Reinforced Concrete Bridge Railing	LF	700	700	0	0	0

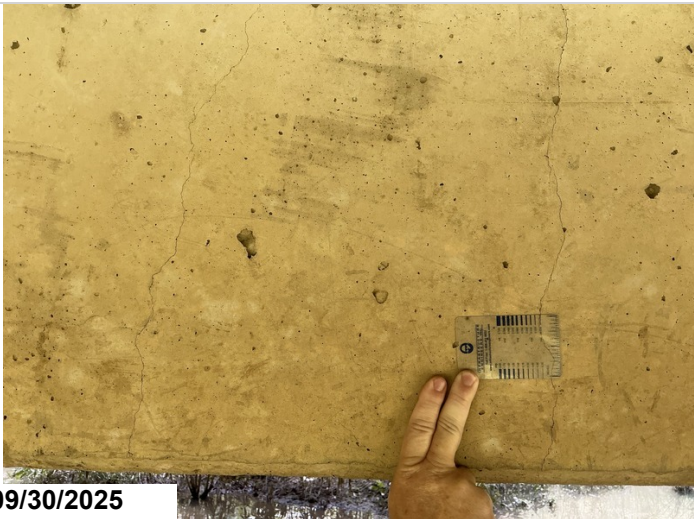
Inspection Photos and Notes



Elevation



Deck overview



Vertical hairline cracks in girders common all spans



Local scour piles 1-3 throughout spans 8&9



Bent 5 piles 2-4 local scour CS2



Bent 3 pile 1 local scour



Bent 2 piles 1&2 local scour CS2



Downstream channel overview left side



Upstream channel overview right side



Approach roadway Northbound



Span 4 right side trees growing under bridge



Span 1 Bay 3 efflorescence 3' CS2



Bent 9 joint missing 9' CS4



Bent 3 cap back spall 4' CS3



Span 7 longitudinal crack 35' up to 0.040"

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)



Asset #06536(Routine, Underwater type 2)

SH 19 S-1 LM 7.67 over HORSEHEAD CRK

Location: 3.6 M S SH 160

Team Lead: Rickie Bratton Inspection Date: 09/30/2025

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

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

A-59 - Joint Repair Needed (Yes)

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)

Span 4 right side trees growing under bridge



Span 4 right side trees growing under bridge

A-65 - Clogged deck drains?

A-66 - Approach minor pothole/leveling needed



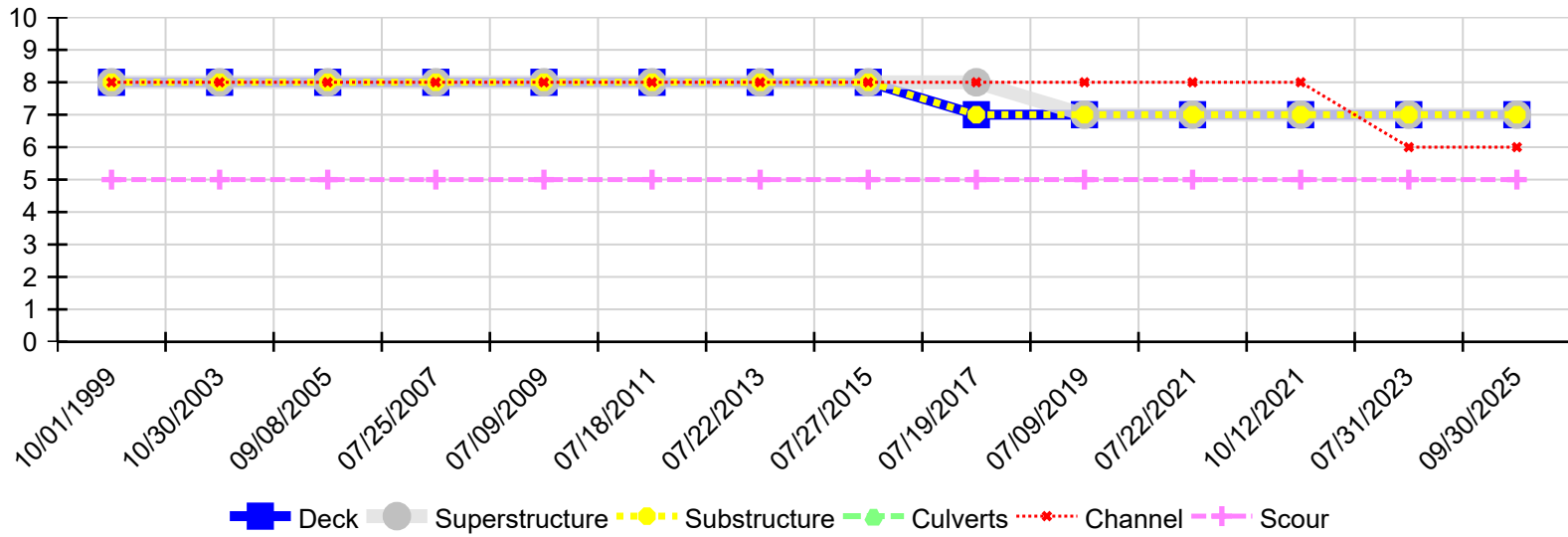
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/30/2025	7	7	7	N	6	5
07/31/2023	7	7	7	N	6	5
10/12/2021	7	7	7	N	8	5
07/22/2021	7	7	7	N	8	5
07/09/2019	7	7	7	N	8	5
07/19/2017	7	8	7	N	8	5
07/27/2015	8	8	8	N	8	5
07/22/2013	8	8	8	N	8	5
07/18/2011	8	8	8	N	8	5
07/18/2011	8	8	8	N	8	5
07/09/2009	8	8	8	N	8	5
07/25/2007	8	8	8	N	8	5
09/08/2005	8	8	8	N	8	5
10/30/2003	8	8	8	N	8	5
10/01/1999	8	8	8	N	8	5