

Bridge 03377 Inspection Report



Latitude:34.32209, Longitude:-91.34887

Route:130 Section:06 Log:22.38

Arnold Road ID:1x130x6xA, Arnold Log mile:22.39

District 02, 1 - Arkansas County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

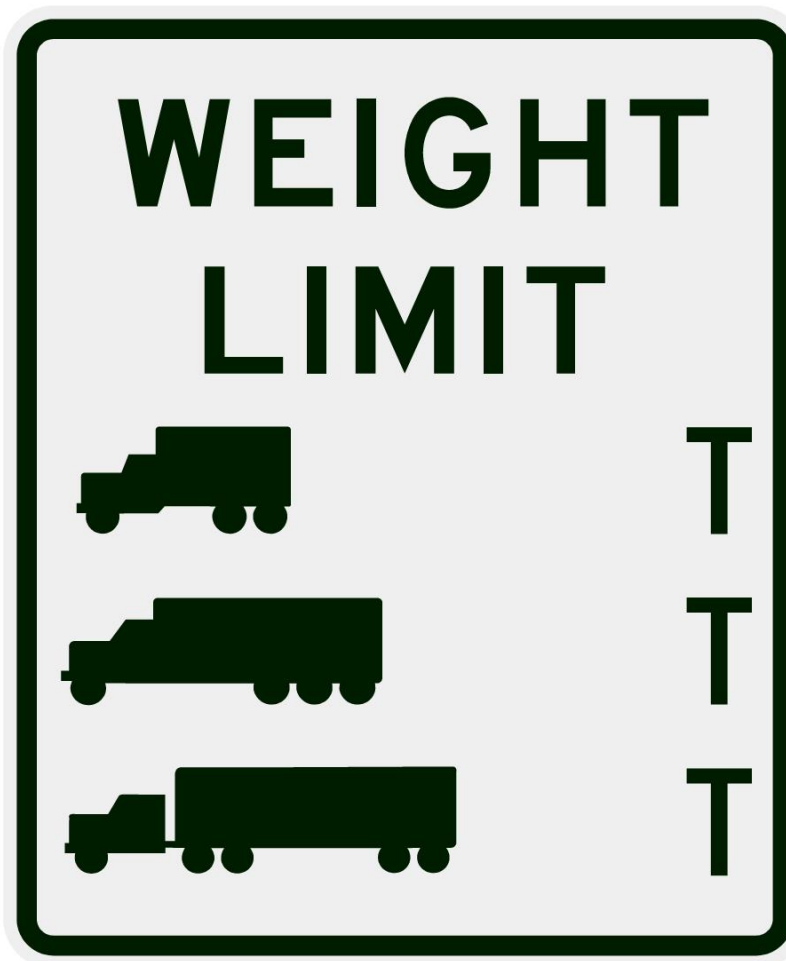
Bridge Posting Information

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

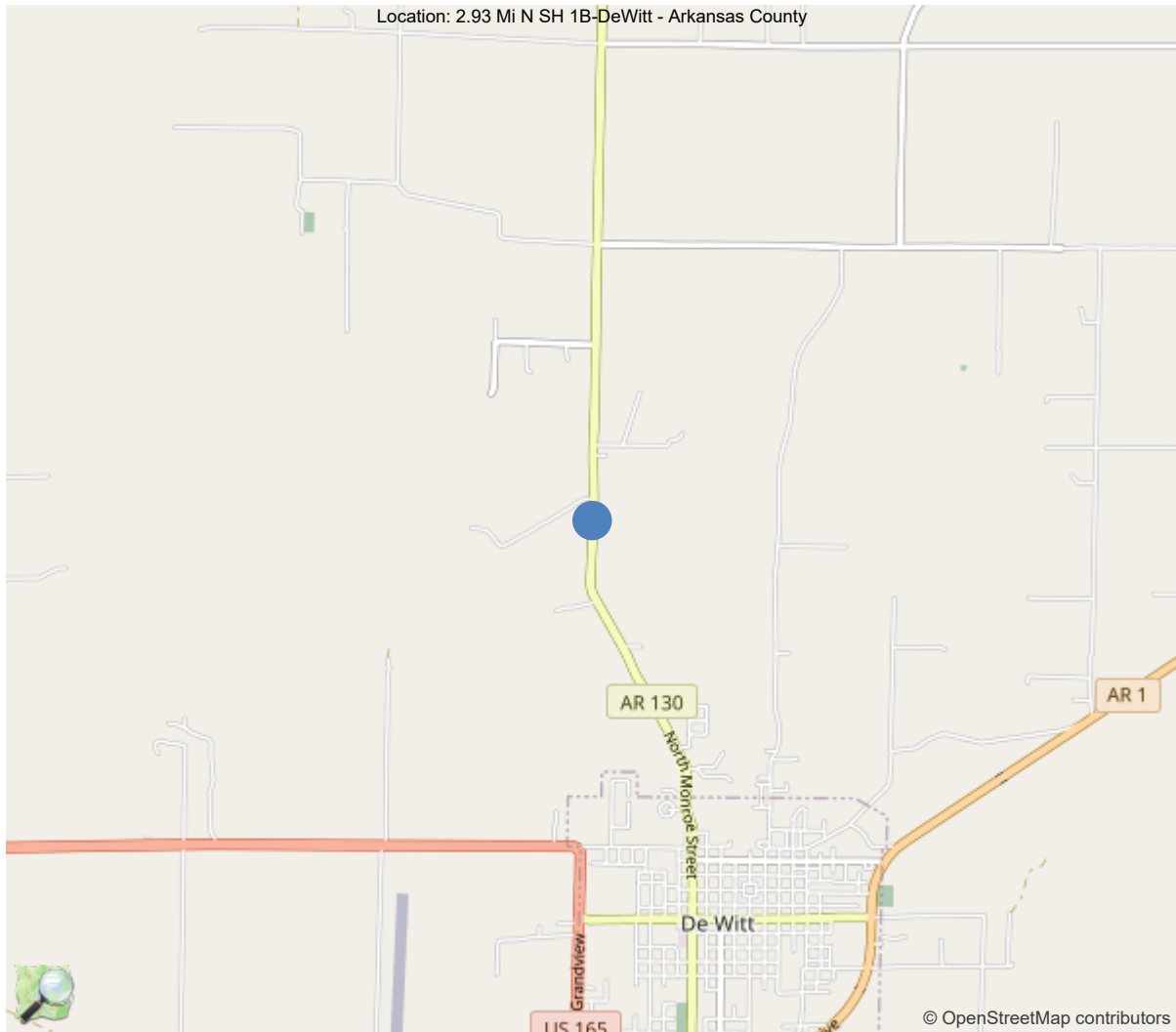
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	28		
Code 9 (31 Tons)	32		
Code 5 (40 Tons)	40		

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



34.32209, -91.34887

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	03377
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	1 - Arkansas County
(4) Place Code	0
(6) Features Intersected	Little Lagrue Bayou
(7) Facility Carried	SH 130-06 LM 22.38
(9) Location	2.93 Mi N SH 1B-DeWitt - Arkansas County
(11) Mile Point	22.38 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.32209
(17) Longitude	-91.34887
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1961
(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	1400
(30) Year of ADT	2018
(109) Truck ADT	1 %
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	124 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	26 ft
(32) Approach Roadway Width (W/Shoulders)	23 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	25.6 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	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 structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	8
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	43
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	26
(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	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	
(114) Future ADT	1703
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/07/2025
(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.			



Inspection Notes

General Observation

Bridge is logged from north to south.

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

Deck is in very good condition with no problems noted.
Wearing surface has minor to moderate potholes and cracking.

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

Superstructure is in good condition with minor to moderate delamination and exposed rebar.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Substructure is in satisfactory condition with minor to moderate spalls, exposed rebar, cracking, and abrasion/wear.

62 - Culverts (N - Not applicable. Used if structure is not a culvert.)

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.)

Channel is in good condition with minor erosion.

71 - Waterway Adequacy (8 - Bridge deck above roadway approaches. Slight chance of overtopping roadway approaches.)

72 - Approach Roadway Alignment (6 - Equal to present minimum criteria)

113 - Scour Critical Bridges (5 - Bridge foundations determined to be stable for assessed or calculated scour condition. Scour is determined to be within the limits of footing or piles (Example B) by assessment (i.e., bridge foundations are on rock formations that have been determined to resist scour within the service life of the bridge), by calculations or by installation of properly designed countermeasures (see HEC 23).)

A-51 - Inspection Direction (1 - N to S)



Asset #03377 (Routine, Underwater type 2)
SH 130-06 LM 22.38 over Little Lagrue Bayou
Location: 2.93 Mi N SH 1B-DeWitt - Arkansas County
Team Lead: Phillip Dowell Inspection Date: 08/07/2025

A-15 - Late Reason

A-45 - Bats Present (0 - No)

A-108 - Load Rating Requested

A-119 - Scour Assessment Request (No - Scour Assessment not requested at this time.)

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (7 - Some minor scour.)

Scour condition is good with minor erosion on Bent 1 end-slope undermining cap.

Inspection Photos and Notes



Elevation - Left side view



Approach roadway view



Deck - Spans 1-3: Overview



Undersurface - Span 3: Overview



Channel - Left side view



Channel - Right side view



End-slope - Bent 5 left: Trees, vines and vegetation

Maintenance Needs

Date Reported: 08/07/2017

Priority: C - Important

Type of Work: Repair (General)

Status: Assigned

Component: Channel

Deficiency Description

End-slope - Bent 1: Some settlement of embankment - full-width/depth with bottom of abutment cap and piling exposed.
NOTE: Some bag concrete has been placed in past to protect slope.

Remarks

08-07-2025 PRD-CAS: End-slope - Bent 5: Material has been added to mitigate erosion previous to 2025 inspection.



End-slope - Bent 1: Erosion/settlement



CORRECTED

Ebd-slope - Bent 5: Material has been added to mitigate erosion previous to 2025 inspection.



Bent 5 approach roadway has settlement with heavy spalling.

NOTE: End-slope - Bent 5: Material has been added to mitigate erosion previous to 2025 inspection.



Bent 5 abutment has erosion under cap towards road bed.

NOTE: End-slope - Bent 5: Material has been added to mitigate erosion previous to 2025 inspection.



Bent 1 abutment with erosion under cap.



Abutment - Bent 1



End-slope - Bent 5: Erosion

NOTE: End-slope - Bent 5: Material has been added to mitigate erosion previous to 2025 inspection.

Maintenance Needs

Date Reported: 08/15/2023

Priority: D- Routine

Type of Work: Approach Leveling/Maintenance

Status: Assigned

Component: Approach

Deficiency Description

Approach roadway - Bents 1 & 5: Heavy deterioration/cracking/spalling (potholes).

Remarks



Approach roadway - Bent 1:
Deterioration/cracking/potholes



Approach roadway - Bent 5:
Deterioration/cracking/potholes



Bent 5 erosion under cap due to drainage from cracked and spalled approach roadway.



Approach wearing surface has heavy spalling and settlement causing impact to bridge.



Approach roadway at Bent 1 has heavy spalling of Asphalt approach causing impact to bridge. Common at Bent 5

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	Yes
A-56 - Joint Cleaning/Flushing Needed	Yes
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 (No)

A-55 - Deck Washing Needed (Yes)

Gutter-lines - both sides: Build-up of dirt, gravel, and other debris (with grass and other vegetation growing), restricting stormwater from flowing off bridge.

A-56 - Joint Cleaning/Flushing Needed (Yes)

Joints filled with chip seal and debris.



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Team Lead: Phillip Dowell Inspection Date: 08/07/2025

A-57 - Beam End and Bearing Painting 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)

Trees, vines, and vegetation on all end slopes needing removal.



End-slope - Bent 5 left: Trees, vines and vegetation

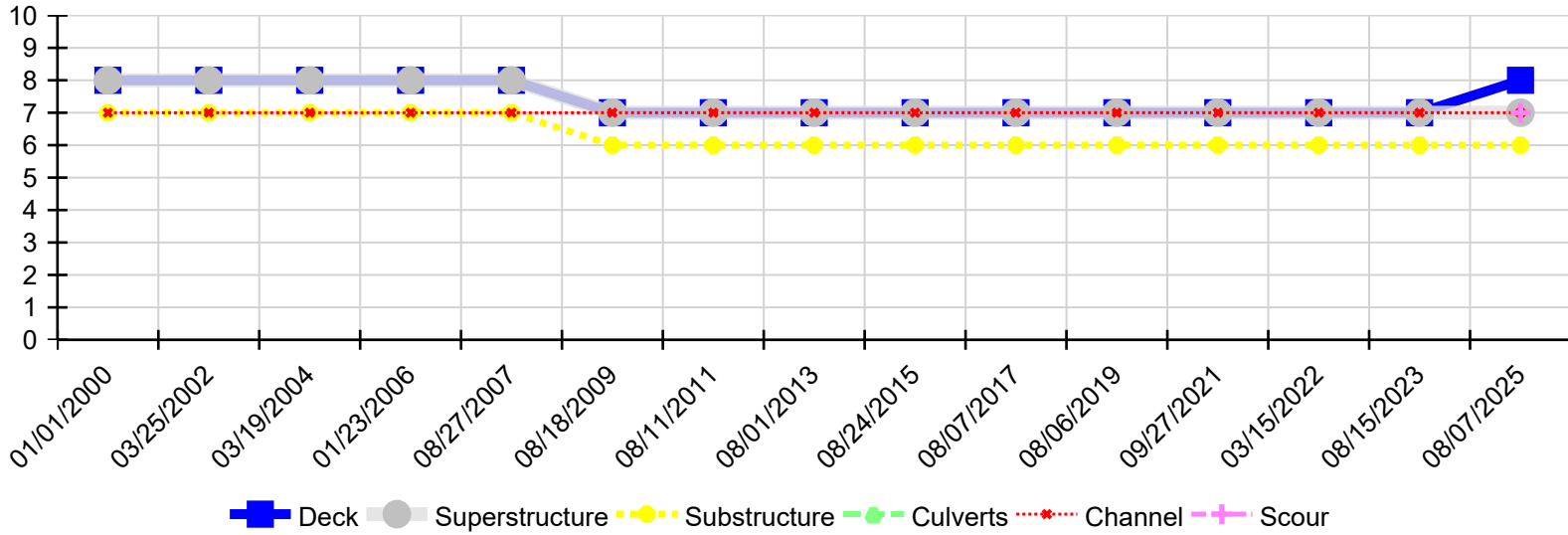
A-65 - Clogged deck drains? (No)

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



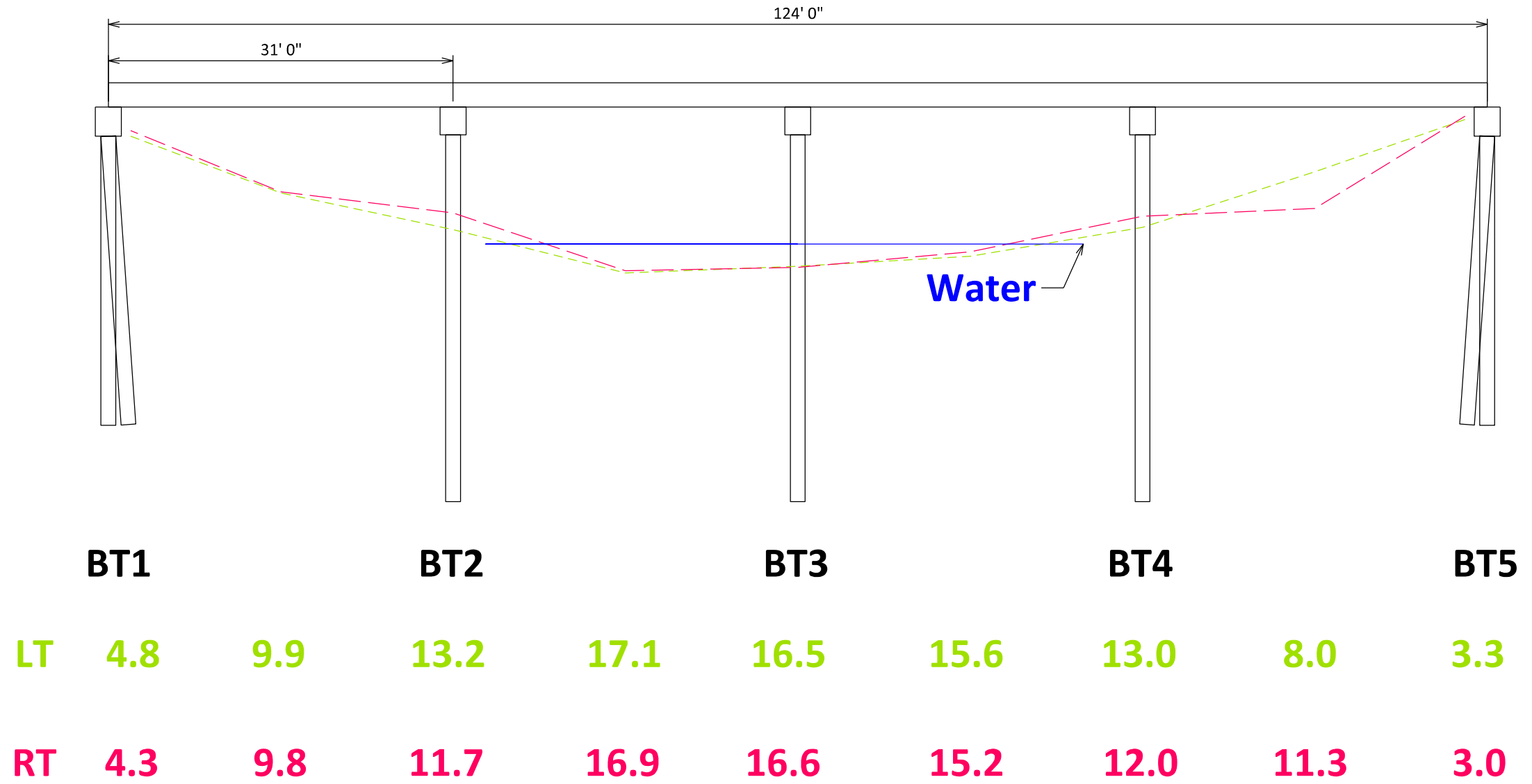
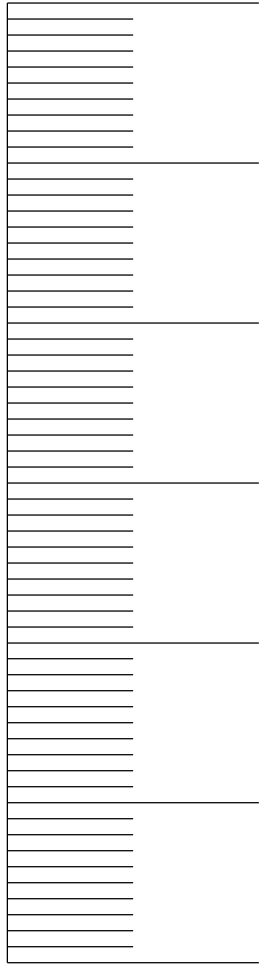
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/07/2025	8	7	6	N	7	7
08/15/2023	7	7	6	N	7	N
03/15/2022	7	7	6	N	7	N
09/27/2021	7	7	6	N	7	N
08/06/2019	7	7	6	N	7	N
08/07/2017	7	7	6	N	7	N
08/24/2015	7	7	6	N	7	N
08/01/2013	7	7	6	N	7	N
08/11/2011	7	7	6	N	7	N
08/18/2009	7	7	6	N	7	N
08/27/2007	8	8	7	N	7	N
01/23/2006	8	8	7	N	7	N
03/19/2004	8	8	7	N	7	N
03/25/2002	8	8	7	N	7	N
01/01/2000	8	8	7	N	7	N

10' Scale



Right Side Sounding			BRIDGE NO.	
Left Side Sounding			03377	
ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.		Scale: 1"=12'	Drawn By: CAS	Project: Channel profile
		Inspection Dir: N-S	Channel Flow: L-R	Checked By: Edit
				Date: Edit



BRIDGE OPERATIONS