



Latitude:33.88204, Longitude:-93.29101

Route:67 Section:04 Log:0.8

Arnold Road ID:10x67x4xA, Arnold Log mile:0.801

District 07, 19 - Clark County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

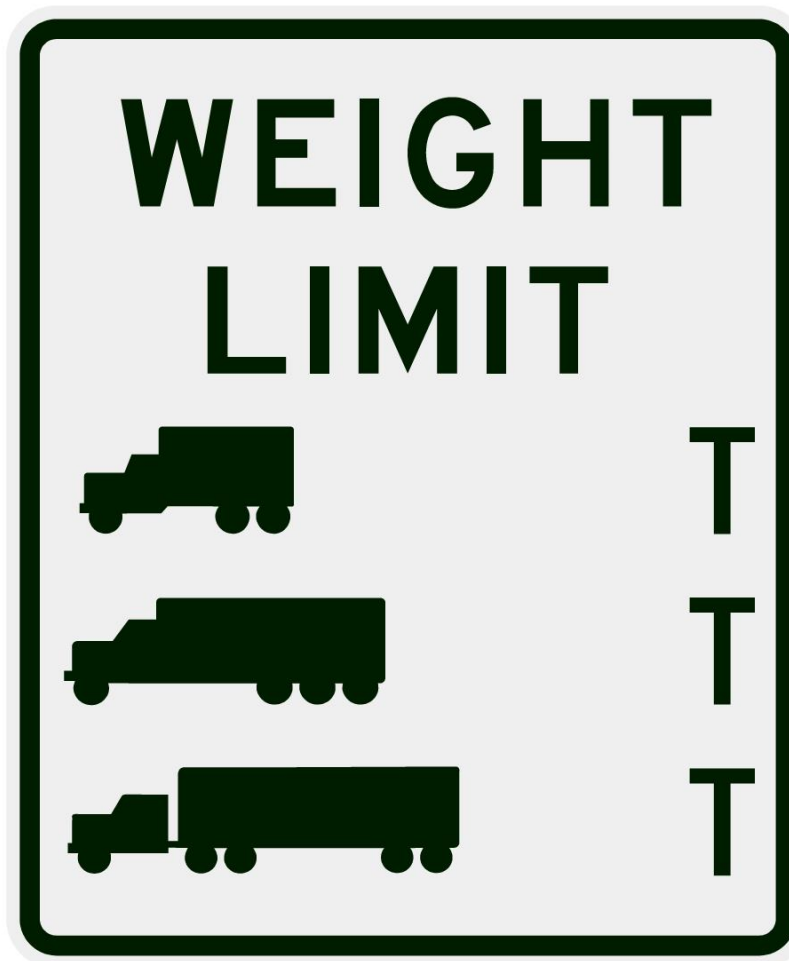
Bridge Posting Information

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

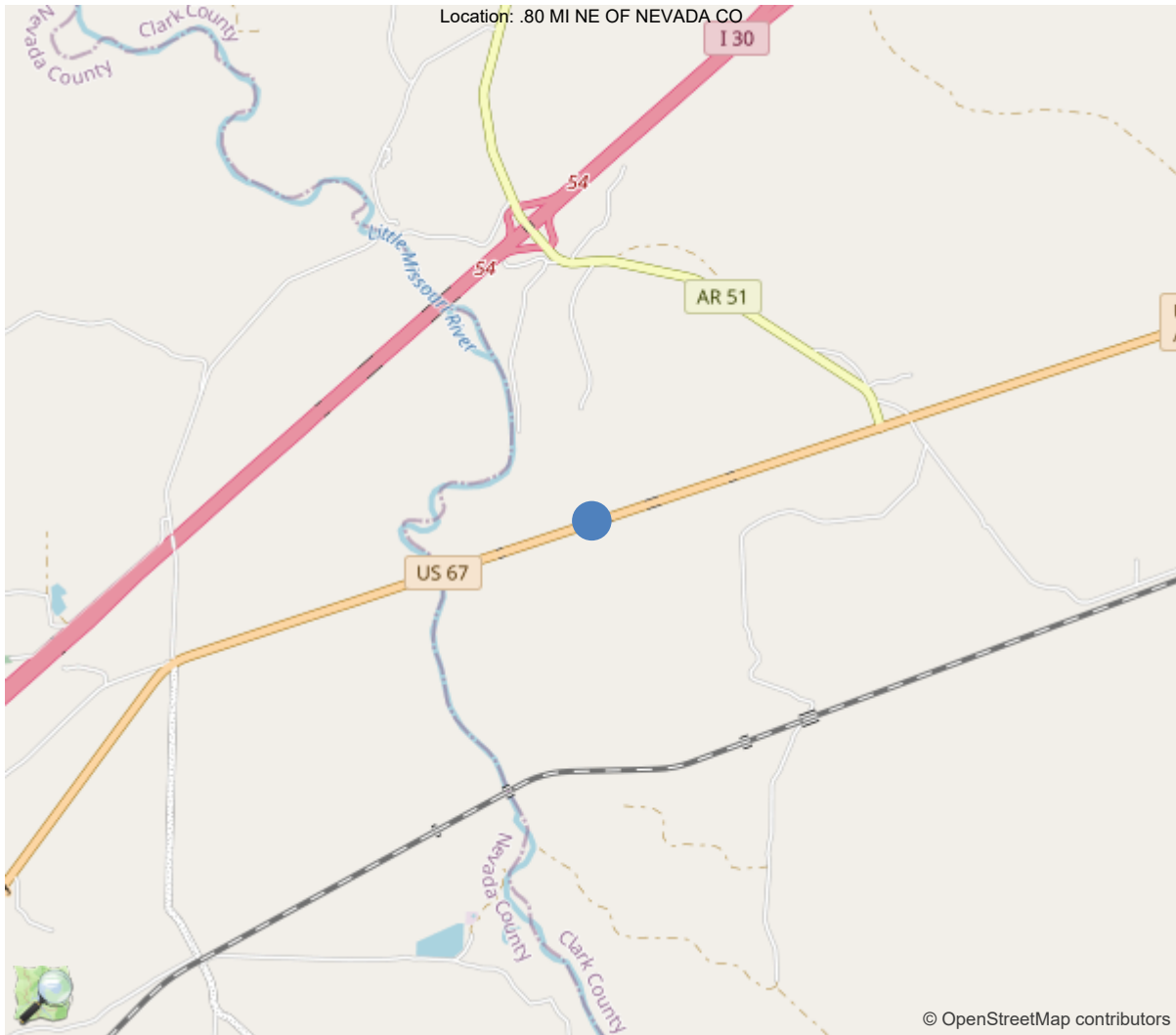
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	34		
Code 9 (31 Tons)	37		
Code 5 (40 Tons)	44		

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



33.88204, -93.29101



Asset #01383(Routine, Underwater type 2)
US 67 S-4 LM 0.80 over LITTLE MISSOURI RELIEF
Location: .80 MI NE OF NEVADA CO
Team Lead: Rickie Bratton Inspection Date: 05/21/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	01383
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	19 - Clark County
(4) Place Code	0
(6) Features Intersected	LITTLE MISSOURI RELIEF
(7) Facility Carried	US 67 S-4 LM 0.80
(9) Location	.80 MI NE OF NEVADA CO
(11) Mile Point	0.8 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.88204
(17) Longitude	-93.29101
(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	14
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(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	1931
(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 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	36 ft
(49) Structure Length	505 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	27 ft
(32) Approach Roadway Width (W/Shoulders)	39 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	24.9 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	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	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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(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	48
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	29
(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	6
(72) Approach Roadway Alignment	7
(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	1207
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	05/21/2024		
(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		
* 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.			



General Observation

04/03/2018 JPR -- This structure is logged from West to East.
Rubber boots used for inspection.

58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)
Satisfactory condition - minor cracks in overlay, under surface has efflorescence delams and exposed rebar.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)
satisfactory - spalls, delams. and exposed rebar on beams.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)
Satisfactory -
Hairline crack over pile 2 in cap at bent 7.
Bents 2,3,4,5,12,13,14 piles with abrasion.

A-45 - Bats Present (1 - Yes)
Span 7 bay 2 and 3.

A-63 - Missing/Incorrect Log Mile Signage (Y)
Log mile signs at both ends of bridge are illegible.

A-64 - Vegetation Removal Requested (Y)
Vegetation growing under and against bridge both sides.



Asset #01383(Routine, Underwater type 2)
US 67 S-4 LM 0.80 over LITTLE MISSOURI RELIEF
Location: .80 MI NE OF NEVADA CO
Team Lead: Rickie Bratton Inspection Date: 05/21/2024

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	13635	12579	1051	5	0
1080	Delamination/Spall/Patched Area	SF	5	0	0	5	0
1090	Exposed Rebar	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	368	0	368	0	0
1130	Cracking (RC and Other)	SF	682	0	682	0	0
510	Wearing Surfaces	SF	12120	12120	0	0	0
(16) AC OL All spans under surface have cracks with efflorescence.							
110	Reinforced Concrete Open Girder/Beam	LF	900	872	8	20	0
1080	Delamination/Spall/Patched Area	LF	20	0	0	20	0
1090	Exposed Rebar	LF	8	0	8	0	0
(110) Girder 1 bents 7 & 11 are spalled with exposed steel at the bearing area.							
215	Reinforced Concrete Abutment	LF	54	27	27	0	0
4000	Settlement	LF	27	0	27	0	0
(215) Water leaking/seeping under the abutment 1 has displaced slope protection (rip-rap).							
227	Reinforced Concrete Pile	EA	65	42	22	1	0
1080	Delamination/Spall/Patched Area	EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)	EA	22	0	22	0	0
(227) Bent 4 pile have abrasion. Column 2 bent 13 large spall with no exposed steel.							
234	Reinforced Concrete Pier Cap	LF	351	350	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
304	Open Expansion Joint	LF	175	175	0	0	0
331	Reinforced Concrete Bridge Railing	LF	1010	1000	0	10	0
7000	Damage	LF	10	0	0	10	0



Elevation



Profile



Name plate



Span 12 under surface overview



Deck overview



Deck



Underside



Channel downstream right side.



Channel upstream left side.



Bats present span 7



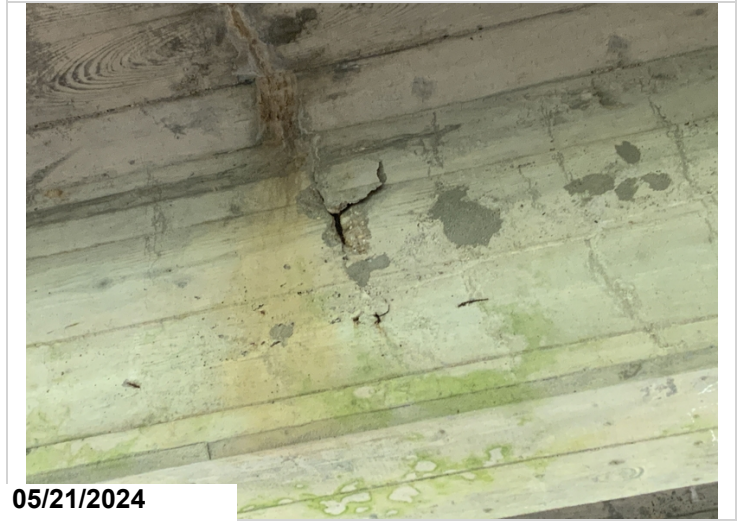
Approach roadway Eastbound



Roadway



Log mile signs at both ends of bridge are illegible.



Span 13 girder 2 right side exposed rebar.



Bent 13 span 12 girder 3 exposed steel.



Span 5 girder 1 has exposed rebar.



Span 4 has efflorescence.



Span 13 bay 1 exposed rebar



Span 11 under surface has delams.



Bent 10 cap back has spall.



05/21/2024

Bent 4 pile have abrasion

Maintenance Needs

Date Reported: 04/03/2018

Priority: C - Important

Type of Work: (Inactive) (Inactive) 9 - None

Status: Open

Component:

Deficiency Description

Span 9, Lt. side concrete rail @ Bt. 10 collision damage.

Remarks

Rail damage has been repaired by state forces.



Rail damage has been repaired by state forces.



Rail damage left side



Span 9, Lt. side concrete rail @ Bt. 10 have collision damage.

Maintenance Needs

Date Reported: 04/24/2012

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Monitor

Component:

Deficiency Description

Conc. girders.

Girder 1-3 @ bent 7 and girder 1 at span 11 spalled with exposed steel @ bearing area.

Remarks



Girders 2&3 at bent 7 spall with exposed steel at bearing areas.



Bent 7 back, girder 1 @ bearing area has spall with exposed steel. Section loss to girder end. Also girder 2 has delamn. on Lt. side & girder 3 has spall over bearing area.



Bent 7, girder 1 ahead, has spall on girder end at bearing area. Also cap Rt. End ahead side has spall with exposed steel.

Maintenance Needs

Date Reported: 04/24/2012

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Monitor

Component:

Deficiency Description

Abutment 1 left.

Water has seeped under conc. abutment allowing the slope to erode and rip-rap to slump.

Remarks



Abutment 1 left side

Maintenance Needs

Date Reported: 04/28/2014

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Monitor

Component:

Deficiency Description

Bt. 13 Pile #2 has a 2' spall on the west face of the piling, no exposed reinforcing steel.

Remarks



Bent 13 pile 2 spalled



Bent 13 Pile 2 spalled

Maintenance Needs

Date Reported: 06/02/2022

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Open

Component: Channel

Deficiency Description

Vegetation both sides

Remarks

Maintenance Need moved to the routine Maintenance check box.



Vegetation growing against and under bridge.



Vegetation both sides



Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	No
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	Yes
A-64 - Vegetation Removal Requested	Yes

A-54 - Sealable Deck Cracks (No)

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 (No)

A-60 - Full Girder Painting Needed (No)

A-61 - Polymer Overlay Advised (No)

A-62 - Hydro and LMC Advised (No)

A-63 - Missing/Incorrect Log Mile Signage (Yes)

Log mile signs at both ends of bridge are illegible.



Log mile signs at both ends of bridge are illegible.



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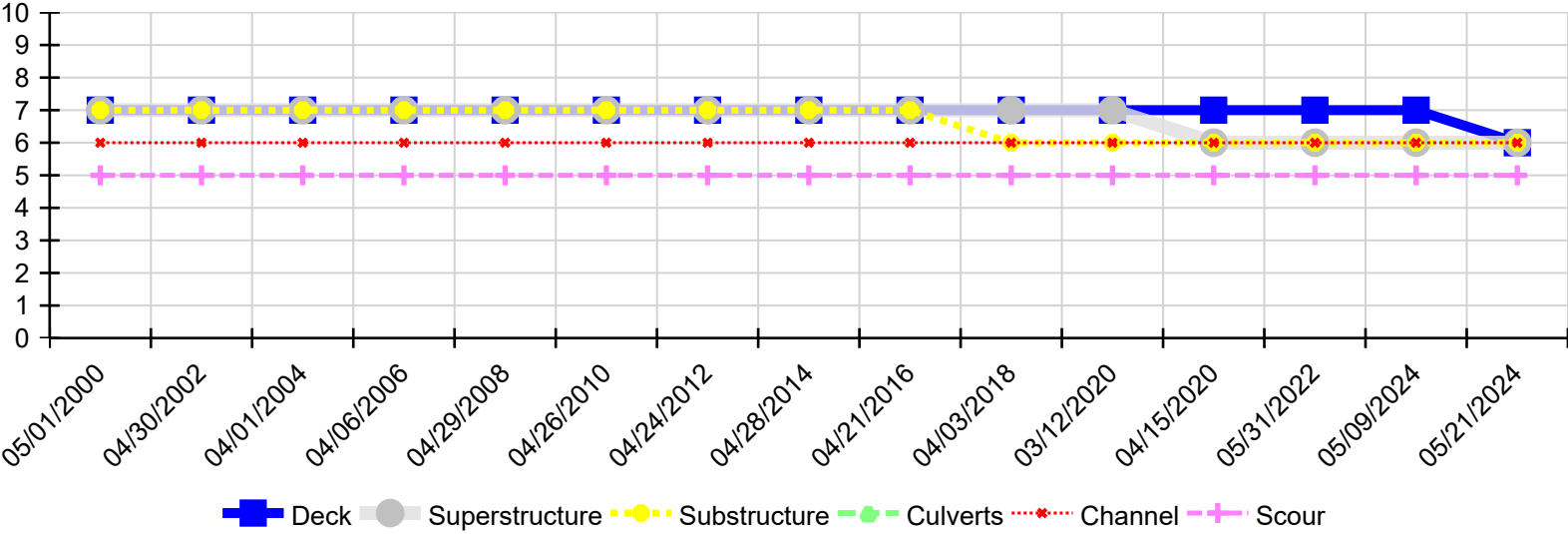
A-64 - Vegetation Removal Requested (Yes)

Vegetation growing under and against bridge both sides.

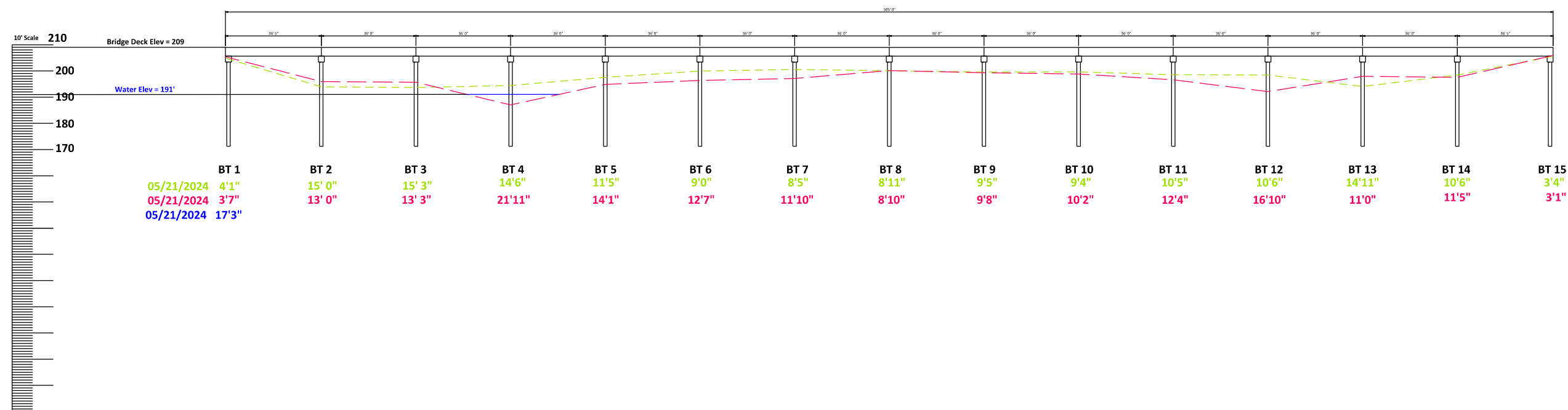




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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/21/2024	6	6	6	N	6	5
05/09/2024	7	6	6	N	6	5
05/31/2022	7	6	6	N	6	5
04/15/2020	7	6	6	N	6	5
03/12/2020	7	7	6	N	6	5
04/03/2018	7	7	6	N	6	5
04/21/2016	7	7	7	N	6	5
04/28/2014	7	7	7	N	6	5
04/24/2012	7	7	7	N	6	5
04/26/2010	7	7	7	N	6	5
04/29/2008	7	7	7	N	6	5
04/06/2006	7	7	7	N	6	5
04/01/2004	7	7	7	N	6	5
04/30/2002	7	7	7	N	6	5
05/01/2000	7	7	7	N	6	5



ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.			BRIDGE NO. 01383		
	Scale: 1"=60'		Drawn By: MAA	Project: Chan Prof	
	Inspection Dir: W to E	Channel Flow: N to S	Checked By: Edit	Date: 05/21/2024	