



Latitude:34.81380, Longitude:-92.19679

Route:58370 Section:00 Log:0.36

Arnold Road ID:60xTRAMMELRDx1xA, Arnold Log mile:1.302

District 06, 119 - Pulaski County

Owner: 4 - City or Municipal Highway Agency

Bridge Posting Information

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

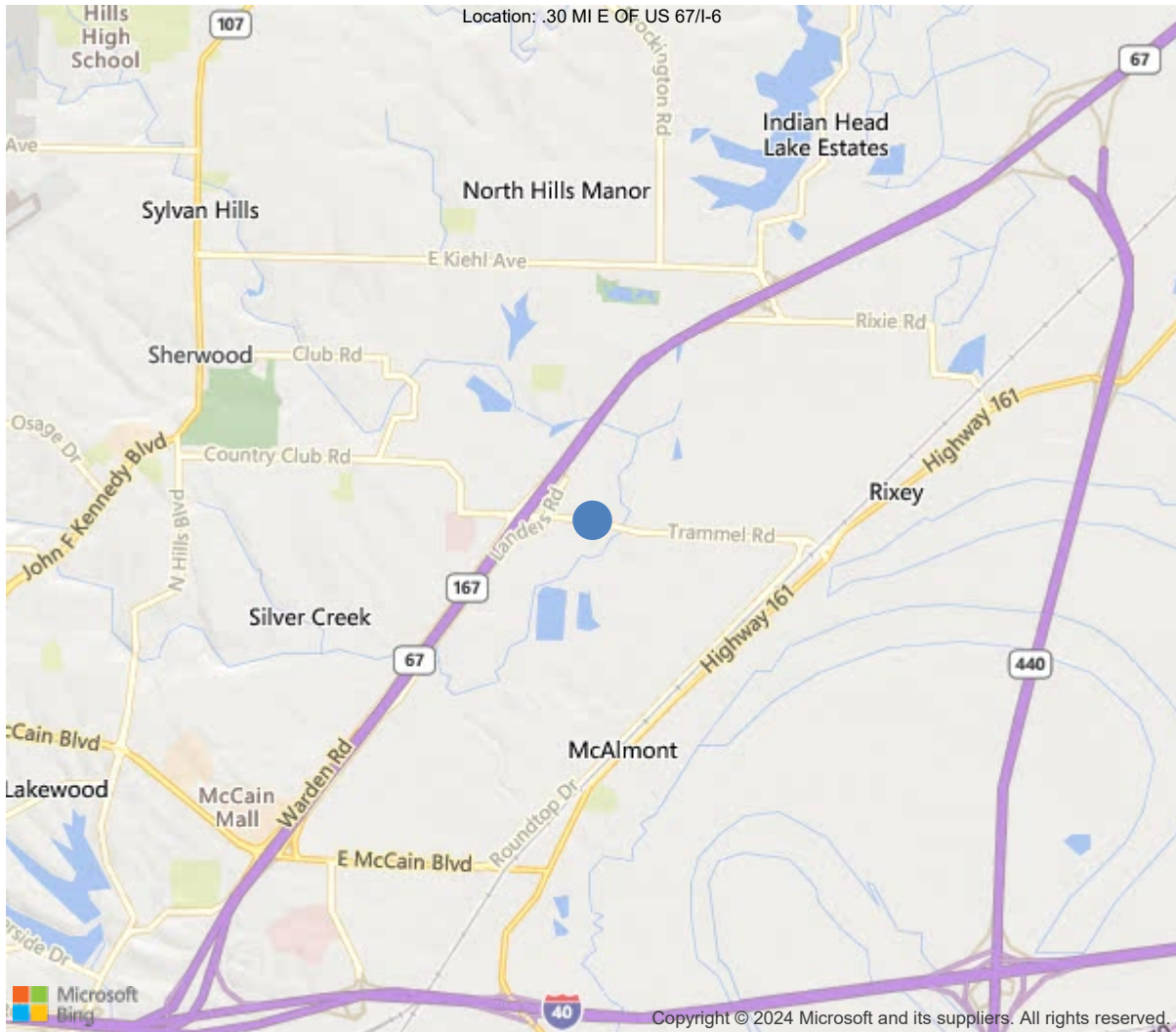
70 - Bridge Posting: 5 - Equal to or above legal loads

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)	45		
Code 5 (40 Tons)	55		

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



34.81380, -92.19679



Asset #21758(Routine)

Trammel Rd over FIVE MILE CREEK

Location: .30 MI E OF US 67/I-6

Team Lead: Keith Harris, Inspection Date: 05/22/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	21758
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	63800
(6) Features Intersected	FIVE MILE CREEK
(7) Facility Carried	Trammel Rd
(9) Location	.30 MI E OF US 67/I-6
(11) Mile Point	0.36 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.813801
(17) Longitude	-92.196785
(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	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1996
(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	1800
(30) Year of ADT	2018
(109) Truck ADT	3 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	93 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	30.5 ft
(32) Approach Roadway Width (W/Shoulders)	22 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	28.9 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	16 - Urban 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	4 - City or Municipal Highway
(22) Owner	4 - City or Municipal Highway
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	7
(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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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	2200
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date	05/22/2023		
(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>			



General Observation

Revised MS Sketch linked.

Logged Eastbound

Boat needed.

Range pole used to probe pile

58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Span 1 unit 6 small spall in unit at grouted keyway.

Span 2 units 3,4,5,&7 small spalls in units at grouted key ways.

Span 3 units 2,3,4,&5 small spall in units at grouted key ways, and delam mat channel unit 7.

36 square feet of deck has small spalls.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Units bolted and grouted

Vertical Hairline cracks in channel legs.

Span 2 unit 5 spalls on channel legs.

Span 3 unit 1 small spall on channel leg.

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

Bent 2 cap, spall on Backface.

Bent 3 cap small spall on ahead face.

Bent 1 spalls under units 4,6&7

All pile have abrasion at waterline

A-55 - Deck Washing Needed (Y)

Debris in both gutters



Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
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58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Comment: Span 1 unit 6 small spall in unit at grouted keyway.

Span 2 units 3,4,5,&7 small spalls in units at grouted key ways.

Span 3 units 2,3,4,&5 small spall in units at grouted key ways, and delam mat channel unit 7.

36 square feet of deck has small spalls.



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Comment: Units bolted and grouted

Vertical Hairline cracks in channel legs.

Span 2 unit 5 spalls on channel legs.

Span 3 unit 1 small spall on channel leg.



Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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

Comment: Bent 2 cap, spall on Backface.

Bent 3 cap small spall on ahead face.

Bent 1 spalls under units 4,6&7

All pile have abrasion at waterline



Elevation



Approach



Deck overview



Span 2 soffit view



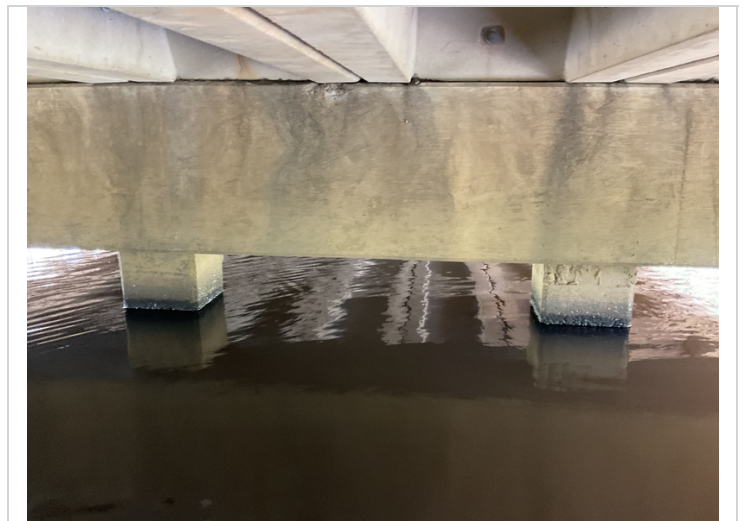
Span 3, channel unit 7 delam



Span 2 units 3,4,5,&7 small spalls in units at grouted key ways.



Span 2 unit 5 spalls on channel legs.



Bent 3 spall on cap and abrasion on columns



Bent 1 spalls under units 6&7



Upstream channel



Downstream channel



Debris in both gutters



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	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	

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (Yes)

Debris in both gutters



Debris in both gutters

A-56 - Joint Cleaning/Flushing Needed (No)

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)



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A-62 - Hydro and LMC Advised (No)

A-63 - Missing/Incorrect Log Mile Signage (No)

A-64 - Vegetation Removal Requested



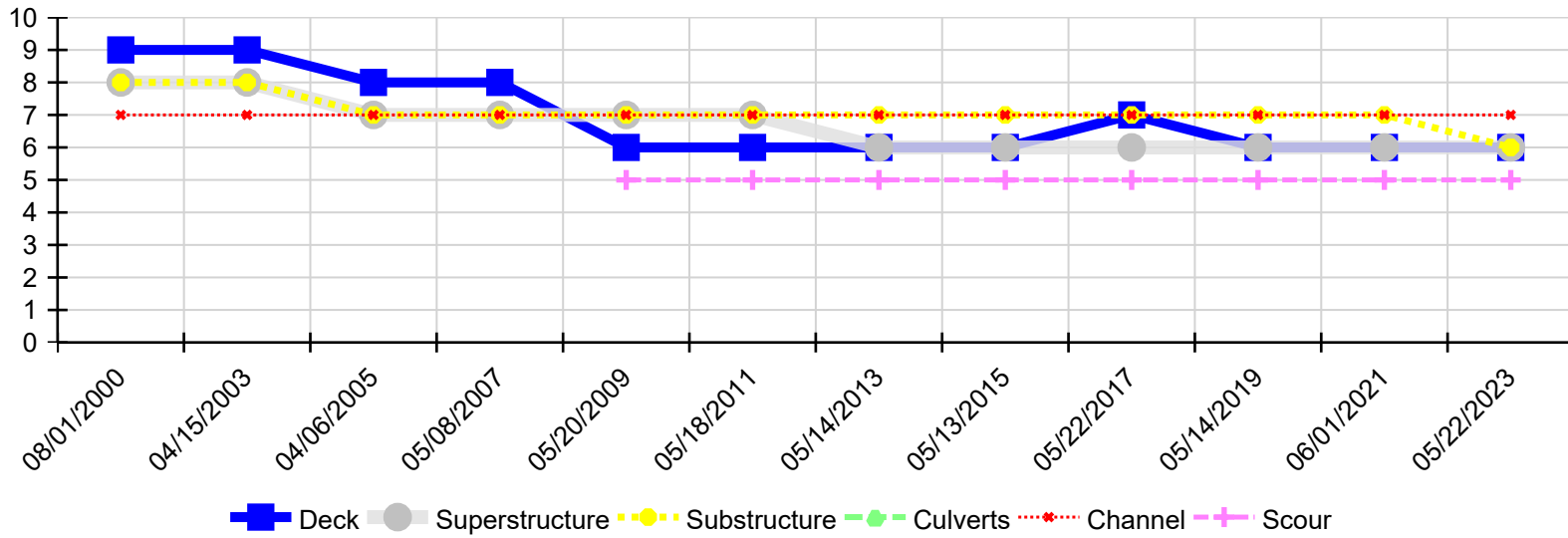
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Team Lead: Keith Harris, Inspection Date: 05/22/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/22/2023	6	6	6	N	7	5
06/01/2021	6	6	7	N	7	5
05/14/2019	6	6	7	N	7	5
05/22/2017	7	6	7	N	7	5
05/13/2015	6	6	7	N	7	5
05/14/2013	6	6	7	N	7	5
05/18/2011	6	7	7	N	7	5
05/20/2009	6	7	7	N	7	5
05/08/2007	8	7	7	N	7	N
04/06/2005	8	7	7	N	7	N
04/15/2003	9	8	8	N	7	N
08/01/2000	9	8	8	N	7	N