



Latitude:34.57077, Longitude:-92.49537

Route:183 Section:01 Log:4.88

Arnold Road ID:62x183x1xA, Arnold Log mile:4.892

District 06, 125 - Saline County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

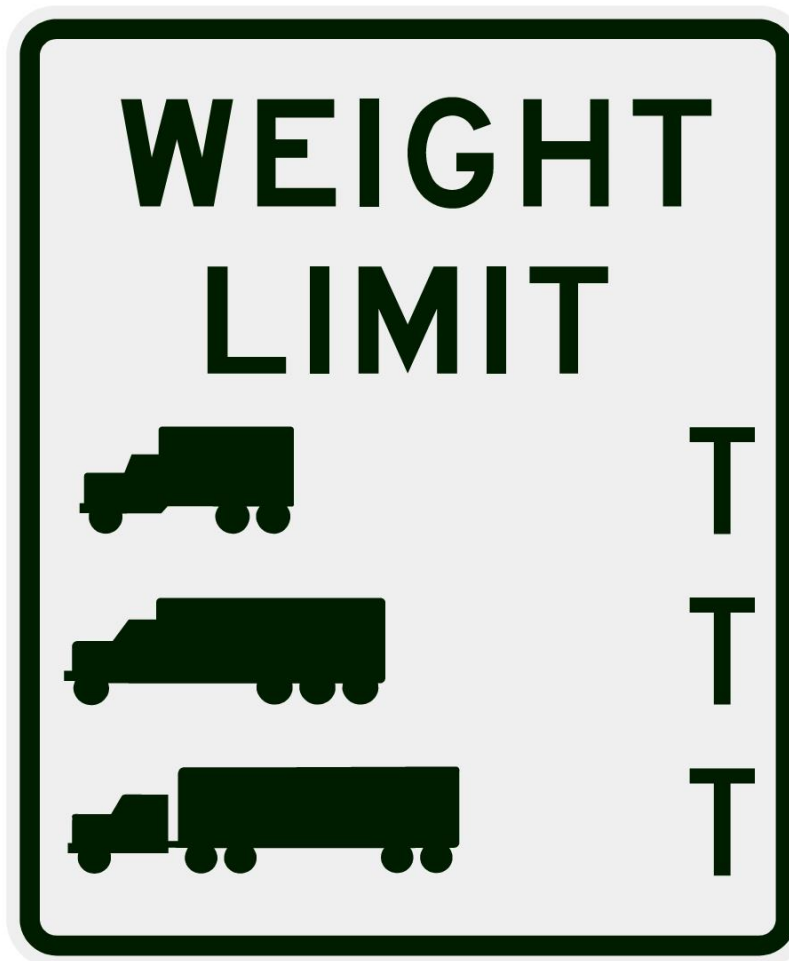
Bridge Posting Information

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

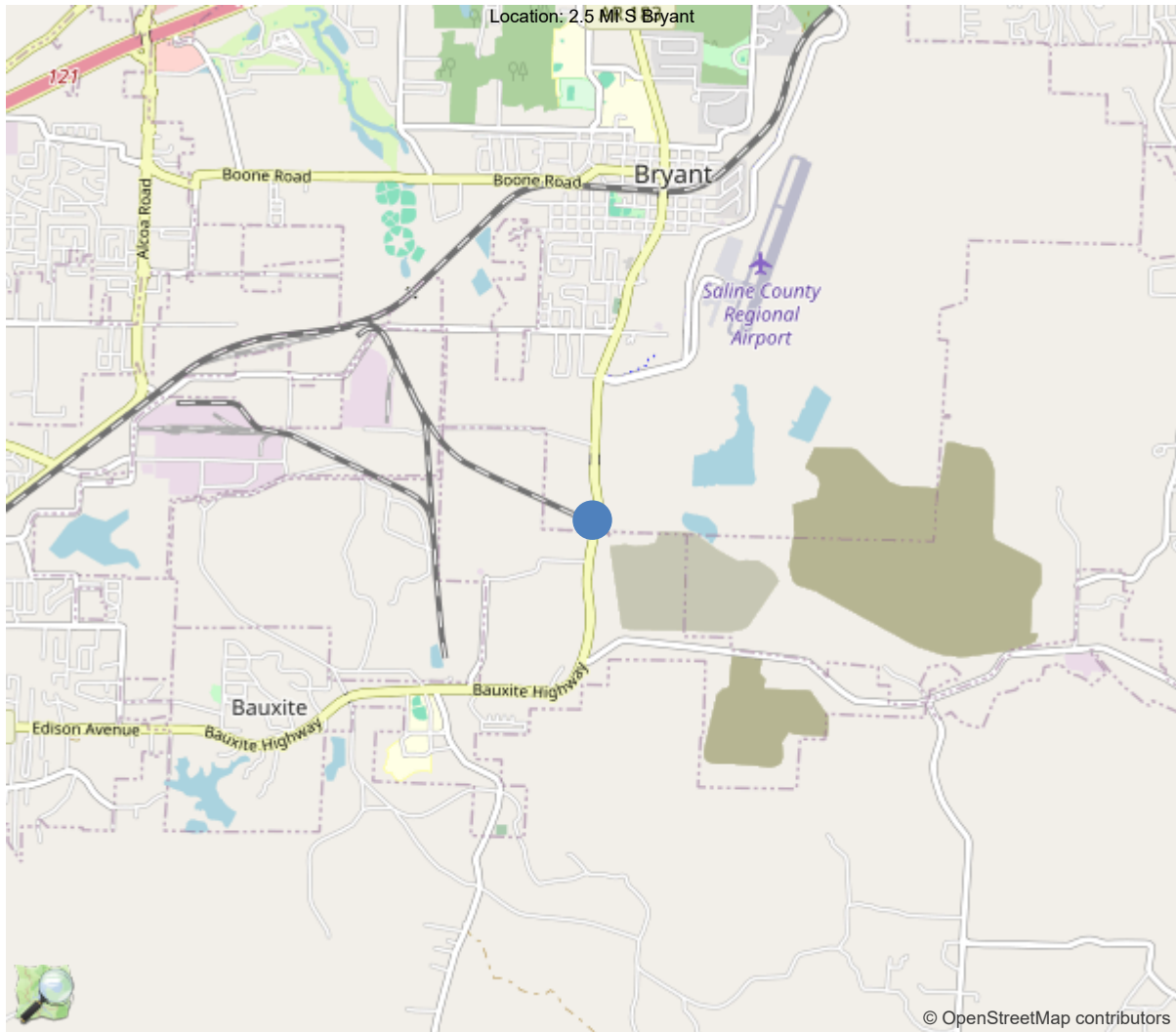
70 - Bridge Posting: 5 - Equal to or above legal loads

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)	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



34.57077, -92.49537

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07297
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	125 - Saline County
(4) Place Code	9460
(6) Features Intersected	UPRR Spur
(7) Facility Carried	SH 183
(9) Location	2.5 MI S Bryant
(11) Mile Point	4.88 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000183010
(16) Latitude	34.57077
(17) Longitude	-92.49537
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3 - Steel
Type	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(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	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2016
(106) Year Reconstructed	0
(42) Type of Service	12
On	1 - Highway
Under	2 - Railroad
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	10000
(30) Year of ADT	2018
(109) Truck ADT	9 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	100 ft
(49) Structure Length	102 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43.2 ft
(32) Approach Roadway Width (W/Shoulders)	42.8 ft
(33) Bridge Median	0 - No median
(34) Skew	13 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.9 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 ft
(54) Min Vert Underclear	24.5 ft
Ref:	
(55) Min Lat Underclear RT	41 ft
Ref:	
(56) Min Lat Underclear LT	41 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(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 exis
(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	8
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A - HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3 - Load and Resistance Factor(LRFR)
Rating	60
(65) Inventory Rating Method	3 - Load and Resistance Factor
(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	9
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	7
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	N - Bridge not over waterway.
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	0
(114) Future ADT	14000
(115) Year of Future ADT	2035

INSPECTIONS *			
(90) Inspection Date	08/06/2024		
(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.			



Asset #07297 (Routine)
SH 183 over UPRR Spur
Location: 2.5 MI S Bryant

Team Lead: Chris Doggett Inspection Date: 08/06/2024

General Observation

Logged Northbound Job #061349 Drawing# 56936 for layout

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

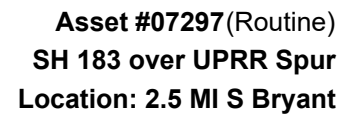
Multiple unsealed longitudinal cracks running the entire length of the bridge.

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

The superstructure is in good condition.

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

Small vertical cracks and one spall at the abutments.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4317	3993	324	0	0
1120	Efflorescence/Rust Staining	SF	16	0	16	0	0
1130	Cracking (RC and Other)	SF	308	0	308	0	0
(12) Longitudinal cracks up to .015".							
Cracks with efflorescence in the right soffit overhang common left side.							
107	Steel Open Girder/Beam	LF	500	500	0	0	0
515	Steel Protective Coating	SF	3980	0	3977	0	3
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	3980	0	3977	0	3
(107) No deficiencies observed.							
(515-107) The protective coating has a granular. Small flakes of rust on the bottom flange of bent 1, beam 1.							
(3430-515-107) The protective coating has a granular texture. Girder 1 at bent 1, large flakes on the top of the bottom flange.							
215	Reinforced Concrete Abutment	LF	126	118	7	1	0
1080	Delamination/Spall/Patched Area	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	3	0	3	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(215) Both back walls have vertical cracks with efflorescence. Bent 1 has a large spall in the back wall at girder 5.							
(1080-215) Large spall on the right side of bent 1 by girder 5.							
301	Pourable Joint Seal	LF	89	84	5	0	0
2310	Leakage	LF	5	0	5	0	0
(301) Bent 2 joint has some minor leakage.							
310	Elastomeric Bearing	EA	10	5	5	0	0
2220	Alignment	EA	5	0	5	0	0
(310) Bent 1: all bearings have longitudinal movement towards the back wall.							
331	Reinforced Concrete Bridge Railing	LF	200	146	54	0	0
1130	Cracking (RC and Other)	LF	54	0	54	0	0
(331) Vertical cracks on both bridge rails.							



Elevation



Deck view.



Under surface view



Inventory looking north.



Gutter line is full of debris.



Heavy growth of vegetation



Multiple unsealed longitudinal cracks that span the entire length of the deck.

Maintenance Needs

Date Reported: 08/03/2022

Priority: C - Important

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

Status: Monitor

Component: Miscellaneous

Deficiency Description

Trees growing against MSE wall at all 4 corners of bridge.

Remarks



Small trees are growing up against the bridge on all four corners and MSE wall.



Trees growing at MSE wall at northeast corner.

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
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	Yes

A-54 - Sealable Deck Cracks (Yes)

A-55 - Deck Washing Needed (Yes)



Gutter line is full of debris.

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)

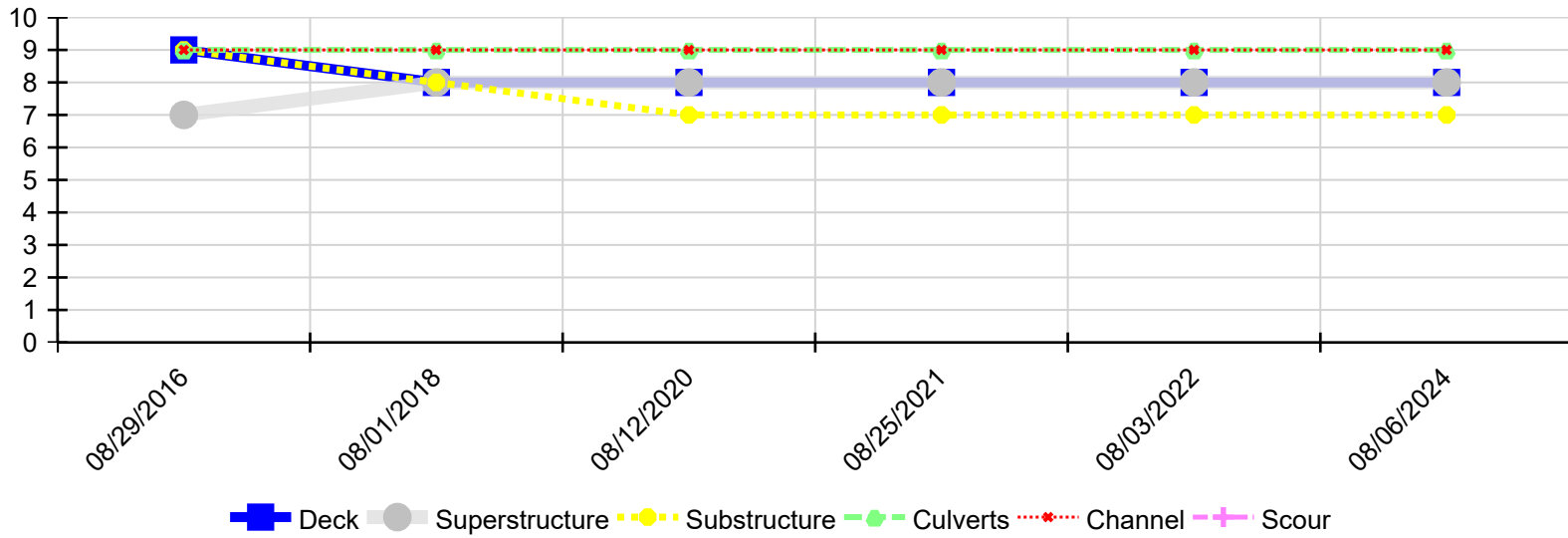
A-63 - Missing/Incorrect Log Mile Signage (No)

A-64 - Vegetation Removal Requested (Yes)



Heavy growth of vegetation

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/06/2024	8	8	7	9	9	N
08/03/2022	8	8	7	9	9	N
08/25/2021	8	8	7	9	9	N
08/12/2020	8	8	7	9	9	N
08/01/2018	8	8	8	9	9	N
08/29/2016	9	7	9	9	9	N