



Latitude:34.61828, Longitude:-92.49829

Route:183 Section:01 Log:8.4

Arnold Road ID:62x183x1xA, Arnold Log mile:8.39

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

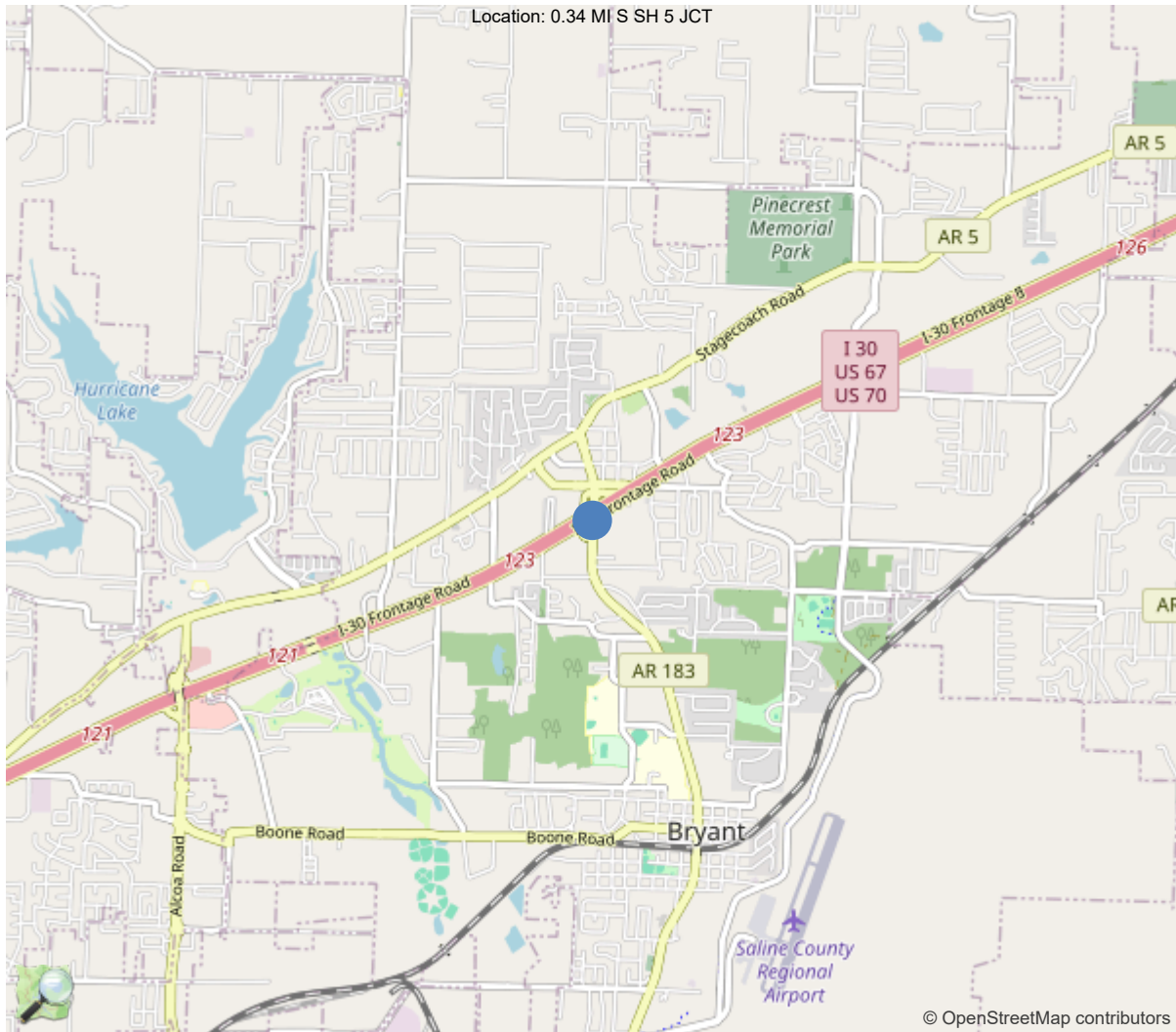
70 - Bridge Posting: 5 - Equal to or above legal loads

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



34.61828, -92.49829



Asset #06910(Routine)
SH 183 Log 8.40 over I-30 Sec 22/0 Log 122.96

Location: 0.34 MI S SH 5 JCT

Team Lead: Keith Harris Inspection Date: 03/29/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06910
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	125 - Saline County
(4) Place Code	9460
(6) Features Intersected	I-30 Sec 22/0 Log 122.96
(7) Facility Carried	SH 183 Log 8.40
(9) Location	0.34 MI S SH 5 JCT
(11) Mile Point	8.4 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.61828
(17) Longitude	-92.49829
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
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	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2003
(106) Year Reconstructed	0
(42) Type of Service	51
On	5 - Highway-pedestrian
Under	1 - Highway, with or without pedestrian
(28) Lane	
On	5
Under	10
(29) Average Daily Traffic	26000
(30) Year of ADT	2018
(109) Truck ADT	4 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	105 ft
(49) Structure Length	403 ft
(50) Curb or Sidewalk Width	
Left	6 ft
Right	6 ft
(51) Bridge Roadway Width Curb to Curb	62 ft
(52) Deck Width Out to Out	77.1 ft
(32) Approach Roadway Width (W/Shoulders)	60 ft
(33) Bridge Median	0 - No median
(34) Skew	34 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	74.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	17.75 ft
Ref:	
(55) Min Lat Underclear RT	18 ft
Ref:	
(56) Min Lat Underclear LT	6.5 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	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	N
(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	4
(69) Clearances, Vertical/Horizontal	6
(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	21991
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/29/2023		
(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		
* 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 #06910(Routine)

SH 183 Log 8.40 over I-30 Sec 22/0 Log 122.96

Location: 0.34 MI S SH 5 JCT

Team Lead: Keith Harris Inspection Date: 03/29/2023

General Observation

Logged Northbound

See AHTD drawing sheet # 43544 for layout.

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

Joint seals are full of debris

A-59 - Joint Repair Needed (Y)

Bent 5 joint seal is torn and leaking



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	30954	25871	4995	88	0
1120	Efflorescence/Rust Staining	SF	440	0	352	88	0
1130	Cracking (RC and Other)	SF	4643	0	4643	0	0
(12) All spans unsealed cracks in the deck up to .020" Spans 1 and 4 map cracking. Soffit overhangs and stage construction(no deck pans) transverse cracks with efflorescence.							
107	Steel Open Girder/Beam	LF	3600	3592	8	0	0
1020	Connection	LF	8	0	8	0	0
515	Steel Protective Coating	SF	40800	36251	4549	0	0
3410	Chalking (Steel Protective Coatings)	LF	4533	0	4533	0	0
3420	Peeling/Bubbling/Cracking	LF	16	0	16	0	0
(107) Abutment 1 and abutment 5 bay 4, girders 4 and 5, loose bolts. (515-107) Abutment 1 girders 1 and 3 have paint peeling. Outside of girders 1& 9 are chalky. Span 4 girders 1,3&4 at bent 4 have peeling paint							
205	Reinforced Concrete Column	EA	12	10	2	0	0
1080	Delamination/Spall/Patched Area	EA	2	0	2	0	0
(205) Bent 2 columns 3&4 have small spalls							
215	Reinforced Concrete Abutment	LF	186	99	87	0	0
1120	Efflorescence/Rust Staining	LF	8	0	8	0	0
1130	Cracking (RC and Other)	LF	79	0	79	0	0
(215) Small cracks in both back walls. Bent 5 abutment has map cracking on both ends							
234	Reinforced Concrete Pier Cap	LF	245	222	23	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	22	0	22	0	0
(234) Bent 3 left cap has scattered cracks on back side Bent 4 right cap has a spall on the ahead side							
300	Strip Seal Expansion Joint	LF	185	67	24	94	0
2310	Leakage	LF	4	0	0	4	0
2350	Debris Impaction	LF	114	0	24	90	0
(300) Joint seal at bent 5 is leaking 12' left of centerline. bent 1 joint is partially full of debris Bent 5 is full of debris							
305	Assembly Joint without Seal	LF	12	12	0	0	0



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(305) Sidewalks							
310	Elastomeric Bearing	EA	45	45	0	0	0
330	Metal Bridge Railing	LF	800	799	1	0	0
1000	Corrosion	LF	1	0	1	0	0
515	Steel Protective Coating	SF	800	799	0	0	1
3440	Effectiveness (Steel Protective Coatings)	LF	1	0	0	0	1
(330) Small area of freckling rust on left bridge rail at bent 5							
331	Reinforced Concrete Bridge Railing	LF	800	618	182	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	180	0	180	0	0
(331) Both Concrete bridge rails have scattered cracks Span 3 left rail has 2 small spalls.							



Elevation



Approach



Deck overview



Soffit view



Span 4 girders 1,3&4 at bent 4 have peeling paint



Span 2 transverse cracks in deck up to 0.020"



Span 1 map cracking



Map cracking on left end of bent 1



Small spall column 4 at bent 2



Bent 1 girder 3 peeling paint



Bent 1 girder 4, loose diaphragm bolts on right side
Common left side of girder 5



Joint seal at bent 5 is full of debris



03/30/2023

Bent 5 joint seal is torn and leaking



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Paint is chalky on outside of girder 9



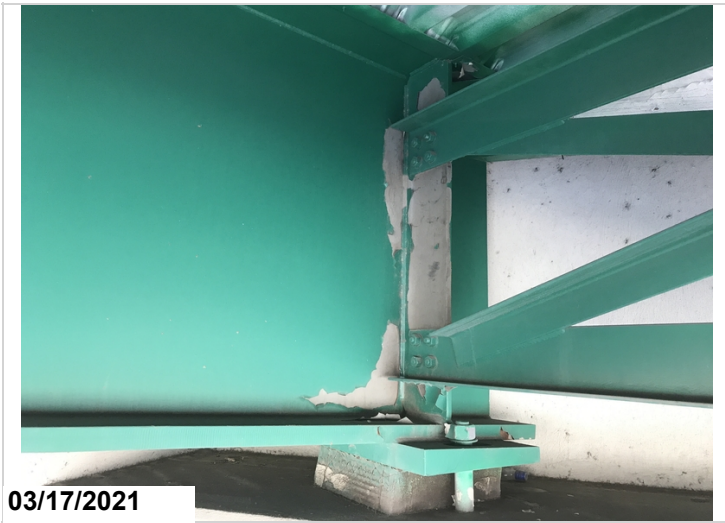
03/30/2023

Bent 5 girder 5 left side 3 loose diaphragm bolts



03/30/2023

Bent 5 cracks on left end. Common right end



Bent 1, girder 3: paint is peeling. This is the only area observed where the paint is in this condition.

Maintenance Needs

Date Reported: 04/01/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Stalactites on overhang on left side of bridge over traffic.

Remarks



Spans 3&4 left side soffit overhang has cracks with efflorescence and stalactites.



Span 1 left side soffit overhang has cracks with efflorescence and stalactites.



Span 1: left overhang has transvers cracking with heavy efflorescence build up.

Maintenance Needs

Date Reported: 03/30/2023

Priority: D- Routine

Type of Work: Superstructure Repair

Status: Open

Component: Superstructure

Deficiency Description

Span 1 loose bolts on all 5 diaphragms between girders 4 & 5

Remarks



Span 1 loose bolts on 1st diaphragm between girders 4 & 5. Common all diaphragms between girders 4&5 in span



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	Yes
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	

A-54 - Sealable Deck Cracks (Yes)

A-55 - Deck Washing Needed (No)

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

Joint seals are full of debris



Joint seal at bent 5 is full of debris

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

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

A-59 - Joint Repair Needed (Yes)

Bent 5 joint seal is torn and leaking



Bent 5 joint seal is torn and leaking



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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



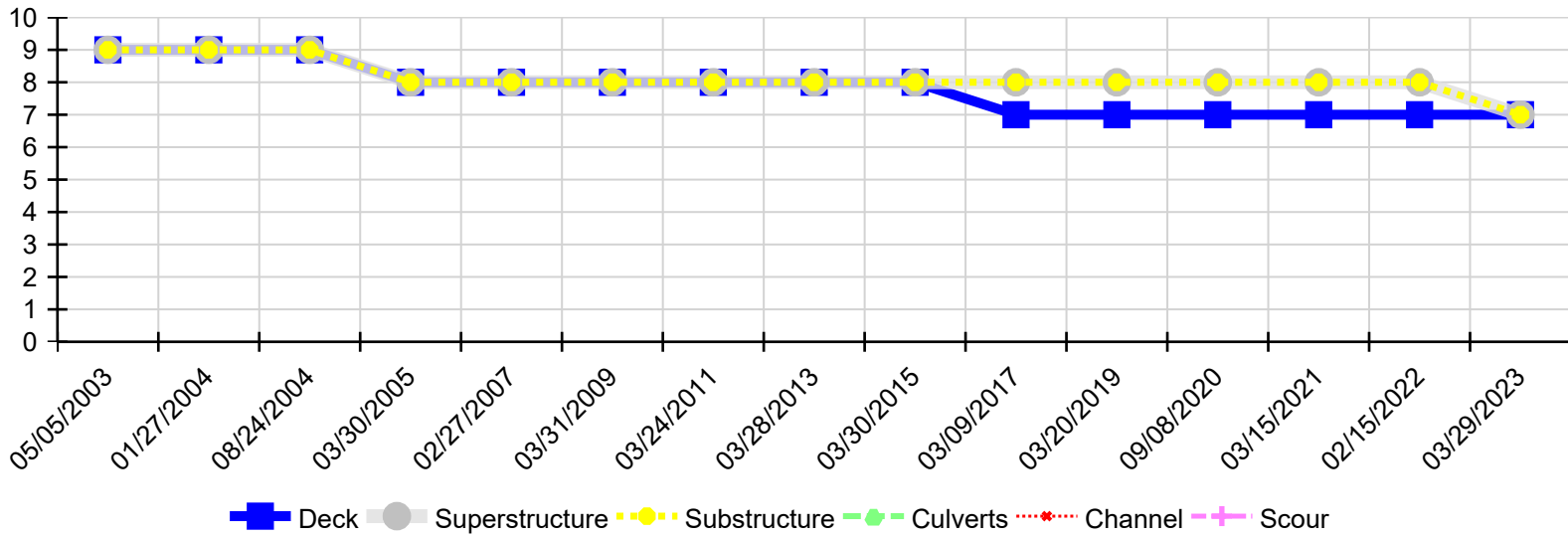
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/29/2023	7	7	7	N	N	N
02/15/2022	7	8	8	N	N	N
03/15/2021	7	8	8	N	N	N
09/08/2020	7	8	8	N	N	N
03/20/2019	7	8	8	N	N	N
03/09/2017	7	8	8	N	N	N
03/30/2015	8	8	8	N	N	N
03/28/2013	8	8	8	N	N	N
03/24/2011	8	8	8	N	N	N
03/31/2009	8	8	8	N	N	N
02/27/2007	8	8	8	N	N	N
03/30/2005	8	8	8	N	N	N
08/24/2004	9	9	9	N	N	N
01/27/2004	9	9	9	N	N	N
05/05/2003	9	9	9	N	N	N