



Latitude:34.59425, Longitude:-92.48924

Route:183 Section:01 Log:6.58

Arnold Road ID:62x183x1xA, Arnold Log mile:6.58

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

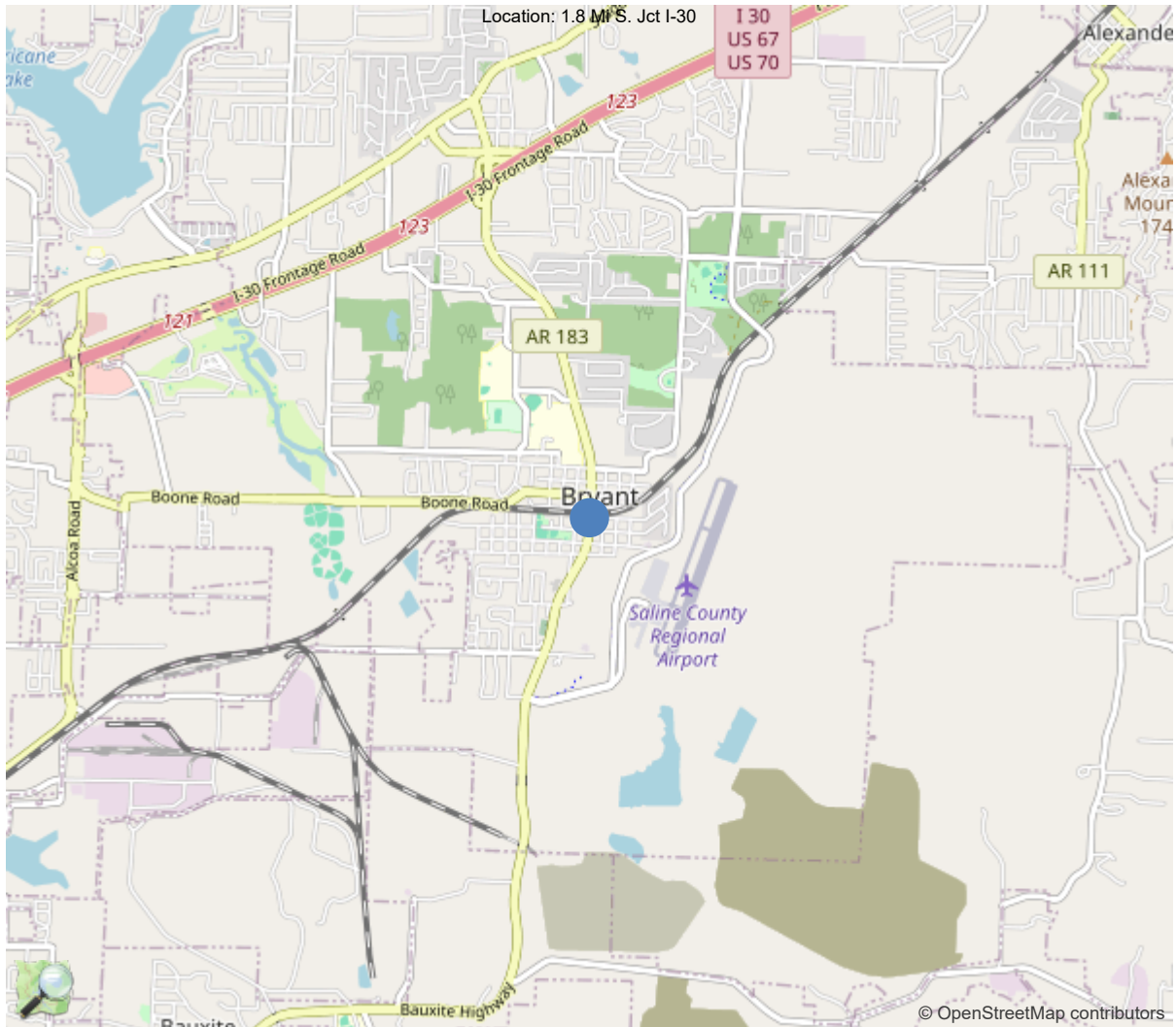
70 - Bridge Posting: 5 - Equal to or above legal loads

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



34.59425, -92.48924





Asset #06464(Routine)  
SH 183 SEC 1 over N.W.1ST S.E. 1ST UPRR

Location: 1.8 Mi S. Jct I-30

Team Lead: Shane Byrd Inspection Date: 09/13/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06464
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	125 - Saline County
(4) Place Code	9460
(6) Features Intersected	N.W.1ST S.E. 1ST UPRR
(7) Facility Carried	SH 183 SEC 1
(9) Location	1.8 Mi S. Jct I-30
(11) Mile Point	6.58 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.59425
(17) Longitude	-92.48924
(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	5
(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	1995
(106) Year Reconstructed	0
(42) Type of Service	54
On	5 - Highway-pedestrian
Under	4 - Highway-railroad
(28) Lane	
On	4
Under	4
(29) Average Daily Traffic	18000
(30) Year of ADT	2018
(109) Truck ADT	4 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	70 ft
(49) Structure Length	298 ft
(50) Curb or Sidewalk Width	
Left	12 ft
Right	6 ft
(51) Bridge Roadway Width Curb to Curb	46.3 ft
(52) Deck Width Out to Out	67.2 ft
(32) Approach Roadway Width (W/Shoulders)	51.8 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	54.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	10.83 ft
Ref:	
(55) Min Lat Underclear RT	18 ft
Ref:	
(56) Min Lat Underclear LT	1 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	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	2
(69) Clearances, Vertical/Horizontal	3
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	N - Not applicable or a safety feat
(36C) Approach Guardrail	N - Not applicable or a safety feat
(36D) Approach Guardrail Ends	N - Not applicable or a safety feat
(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	09/13/2023		
(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.			





### General Observation

See AHTD drawing # 32840 for layout.  
Special inspection for clearance less than 15'  
Logged looking North

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#### 58 - Deck (7 - GOOD CONDITION - some minor problems.)

Scattered longitudinal and transverse cracks in all spans up to 0.04" wide.  
Scattered cracks with efflorescence in the soffit overhangs both sides of bridge. Common all spans.  
Span 6 south bound lanes have light abrasion.

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

Span 5 beams 1,2,5,6,7,8 have minor scrapes on bottom flange due traffic impact.  
The outside beams of all spans. The beams are chalky.

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

Scattered small vertical cracks in the back walls of both abutments.  
Bent 3 column 2 spall on the right ahead side. See photo.  
Bent 5 column 4 back left corner at ground line small spall.  
Bent 3 cap ahead left of column 3 crack.

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#### A-54 - Sealable Deck Cracks (Y)

Scattered longitude and transverse cracks in all spans up to 0.040 wide.

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#### A-58 - Cap Cleaning/Flushing Needed (Y)

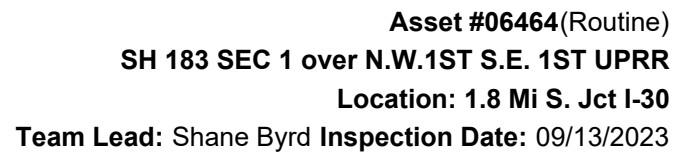
Bent 1 & 6 have dirt and debris on top of abutments due to leaking joint seals.

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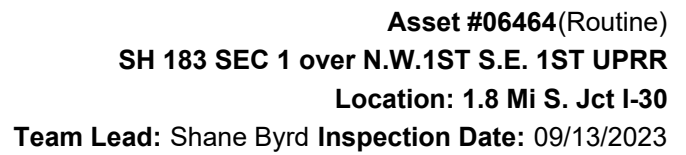
#### A-59 - Joint Repair Needed (Y)

Abutment 1 and bent 6 Abutment.  
10 feet of joint seal has falling out on abutment 1 and the rest of joint seals have lost bond and allow debris on bearings and beam ends.

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	18673	15895	2778	0	0
1120	Efflorescence/Rust Staining	SF	148	0	148	0	0
1130	Cracking (RC and Other)	SF	2150	0	2150	0	0
1190	Abrasion/Wear (PSC/RC)	SF	480	0	480	0	0
(12) Scattered longitude and transverse cracks in all spans up to 0.040" wide. Scattered cracks with efflorescence in the soffit overhangs both sides of bridge. Common all spans. Span 6 south bound lanes have light abrasion.							
107	Steel Open Girder/Beam	LF	2368	2354	14	0	0
7000	Damage	LF	14	0	14	0	0
515	Steel Protective Coating	SF	17547	13131	4416	0	0
3410	Chalking (Steel Protective Coatings)	LF	4416	0	4416	0	0
(107) Span 5 beams 1,2,5,6,7,8 have minor scrapes on bottom flange due traffic impact. The outside beams of all spans. The beams are chalky. (515-107) The outside beams of all spans. The beams are chalky.							
205	Reinforced Concrete Column	EA	16	14	2	0	0
1080	Delamination/Spall/Patched Area	EA	2	0	2	0	0
(205) Bent 3 column 2 spall on the right ahead side. See photo. Bent 5 column 4 back left corner at ground line minor spall.							
210	Reinforced Concrete Pier Wall	LF	126	120	6	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
(210) Vertical cracks at bent 3 pier wall.							
215	Reinforced Concrete Abutment	LF	175	160	15	0	0
1130	Cracking (RC and Other)	LF	15	0	15	0	0
(215) Scattered small vertical cracks in the back walls of both abutments.							
234	Reinforced Concrete Pier Cap	LF	230	229	1	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(234) Bent 3 cap ahead left of column 3 crack. (1130-234) Bent 3 cap ahead left of column 3 crack.							
301	Pourable Joint Seal	LF	134	0	0	0	134
2310	Leakage	LF	134	0	0	0	134
(301) All joint seals have lost bond allowing dirt and debris to build up on bearings and beam ends. See photos.							
310	Elastomeric Bearing	EA	48	48	0	0	0
(310) No Problems noted.							



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
321	Reinforced Concrete Approach Slab	SF	4550	4320	165	65	0
1130	Cracking (RC and Other)	SF	230	0	165	65	0
(321) Scattered cracks in both approach slabs.							
330	Metal Bridge Railing	LF	894	894	0	0	0
515	Steel Protective Coating	SF	596	596	0	0	0
(330) No Problems noted.							
(515-330) No Problems noted.							
331	Reinforced Concrete Bridge Railing	LF	596	506	90	0	0
1130	Cracking (RC and Other)	LF	90	0	90	0	0
(331) Scattered minor vertical cracks in both bridge rails.							





09/13/2023

Elevation.



09/13/2023

Bent 2 pier wall between columns 1 & 2 cracks.



09/13/2023

Span 1 bridge rail left side small vertical crack.



09/13/2023

Approach looking northbound.





South approach slab longitudinal crack. Up to 0.60" wide.



Bent 1 pourable joint seal has lost bond.

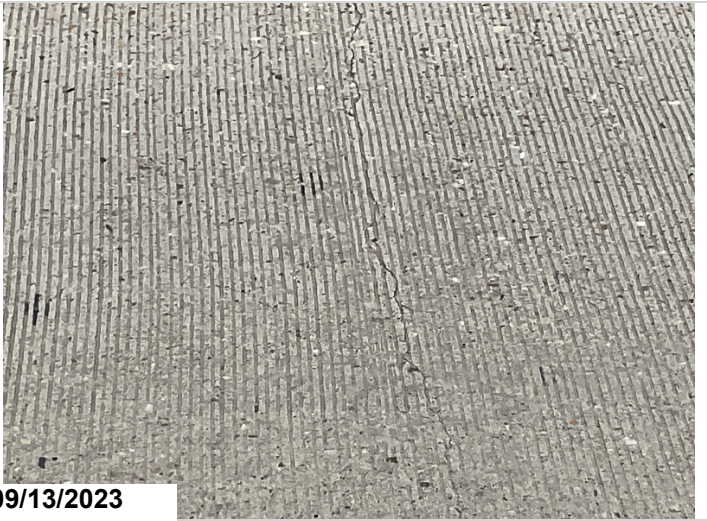


Bent 1 pourable joint seal has lost bond.

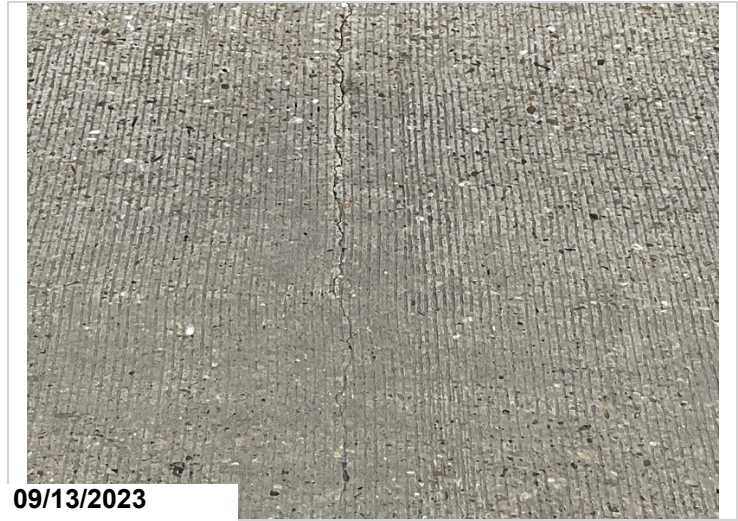


Bent 1 pourable joint seal has lost bond.

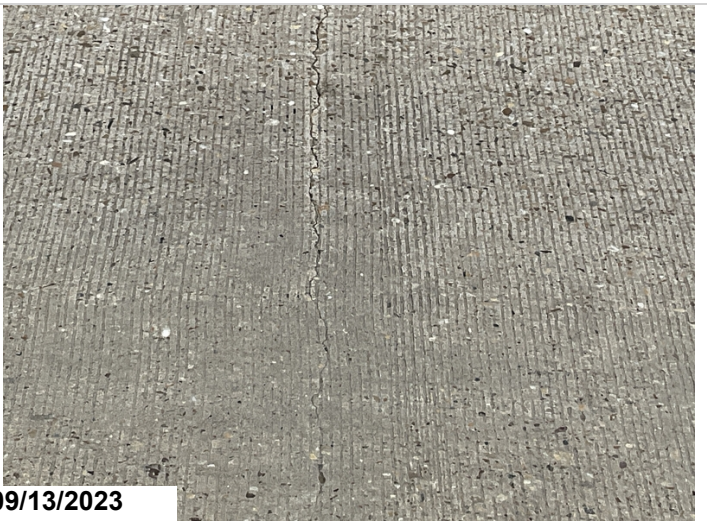




Deck span 1 transverse crack up to 0.30" wide.



Deck span 6 transverse crack up to .040" wide.



Span 6 transverse crack up to .040" wide.



Span 6 south bound lanes have light abrasion.





Deck overview.



Bent 6 pourable joint seal has lost bond.

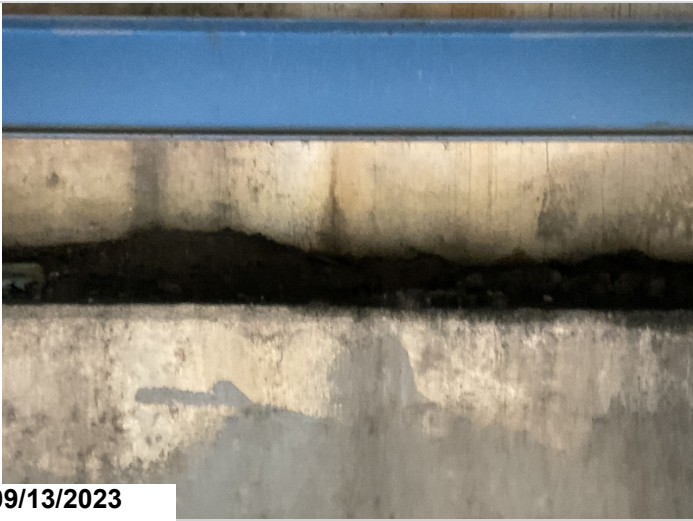


Bent 6 pourable joint seal has lost bond.



North approach slabs has small cracks.





Bent 6 small vertical cracks in the back wall.



Bent 6 dirt and debris built up on abutment due to leaking joint seals.



Bent 6 dirt and debris built up on abutment due to leaking joint seals.



Beam 7 & 8 minor scrapes to bottom flanges due to traffic impact.





Beam 1 & 2 minor scrapes to bottom flanges due to traffic impact.



Clearance sign west side of bridge.



Clearance sign east side of bridge.



Bent 5 column 4 back left side at ground line minor spall.





Span 4 soffit overhang cracks with light efflorescence.



Soffit view span 4



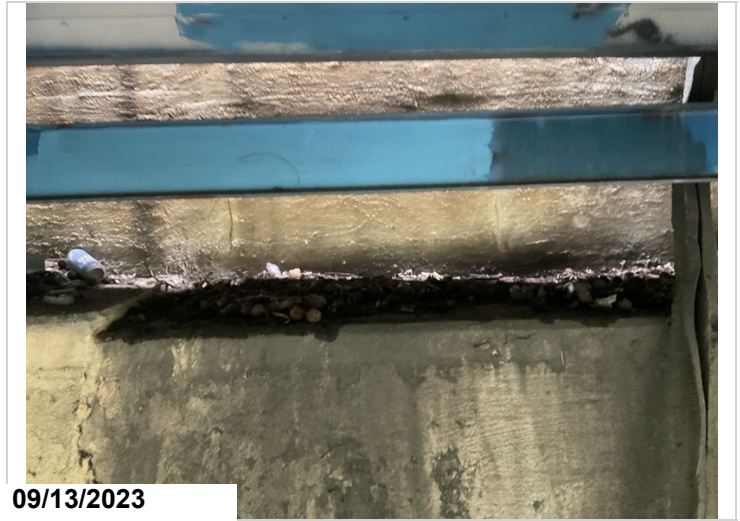
Bent 3 cap ahead left of column 3 crack.



Bent 2 column 2 right side above pier wall spall.



Span 1 beam 8 paint system is chalky.



Bent 1 small vertical cracks in the back wall.



## 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	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	Yes
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	No

#### A-54 - Sealable Deck Cracks (Yes)

Scattered longitude and transverse cracks in all spans up to 0.040 wide.



Span 6 transverse crack up to .040" wide.



**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 (Yes)**

Bent 1 & 6 have dirt and debris on top of abutments due to leaking joint seals.



Bent 6 dirt and debris built up on abutment due to leaking joint seals.

**A-59 - Joint Repair Needed (Yes)**

Abutment 1 and bent 6 Abutment.

10 feet of joint seal has falling out on abutment 1 and the rest of joint seals have lost bond and allow debris on bearings and beam ends.



Bent 1 pourable joint seal has lost bond.



Bent 1 pourable joint seal has lost bond.



Bent 6 pourable joint seal has lost bond.

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (Yes)**



**Asset #06464**(Routine)  
**SH 183 SEC 1 over N.W.1ST S.E. 1ST UPRR**  
**Location: 1.8 Mi S. Jct I-30**  
**Team Lead: Shane Byrd Inspection Date: 09/13/2023**

**A-62 - Hydro and LMC Advised (No)**

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

**A-64 - Vegetation Removal Requested (No)**

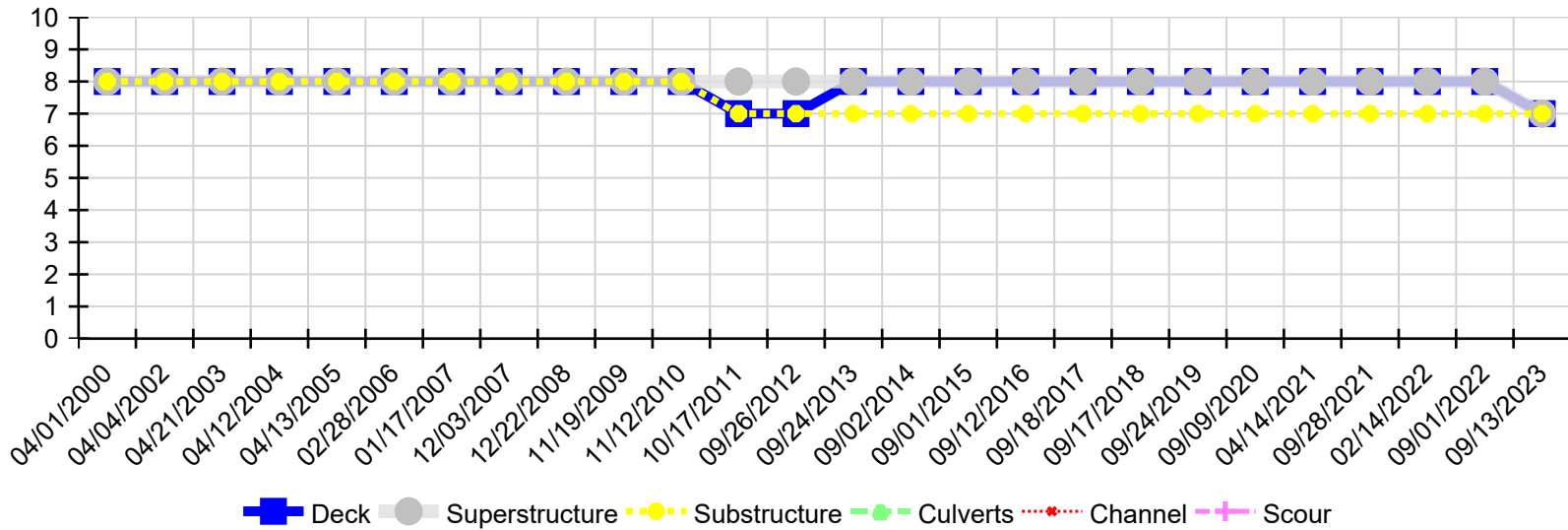


Asset #06464(Routine)  
SH 183 SEC 1 over N.W.1ST S.E. 1ST UPRR

Location: 1.8 Mi S. Jct I-30

Team Lead: Shane Byrd Inspection Date: 09/13/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/13/2023	7	7	7	N	N	N
09/01/2022	8	8	7	N	N	N
02/14/2022	8	8	7	N	N	N
09/28/2021	8	8	7	N	N	N
04/14/2021	8	8	7	N	N	N
09/09/2020	8	8	7	N	N	N
09/24/2019	8	8	7	N	N	N
09/17/2018	8	8	7	N	N	N
09/18/2017	8	8	7	N	N	N
09/12/2016	8	8	7	N	N	N
09/01/2015	8	8	7	N	N	N
09/02/2014	8	8	7	N	N	N
09/24/2013	8	8	7	N	N	N
09/26/2012	7	8	7	N	N	N
10/17/2011	7	8	7	N	N	N
11/12/2010	8	8	8	N	N	N
11/19/2009	8	8	8	N	N	N
12/22/2008	8	8	8	N	N	N
12/03/2007	8	8	8	N	N	N
01/17/2007	8	8	8	N	N	N
02/28/2006	8	8	8	N	N	N
04/13/2005	8	8	8	N	N	N
04/12/2004	8	8	8	N	N	N
04/21/2003	8	8	8	N	N	N
04/04/2002	8	8	8	N	N	N
04/01/2000	8	8	8	N	N	N