



Latitude:35.56996, Longitude:-90.62593

Route:14 Section:14 Log:5.93

Arnold Road ID:56x14x14xA, Arnold Log mile:5.94

District 10, 111 - Poinsett County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

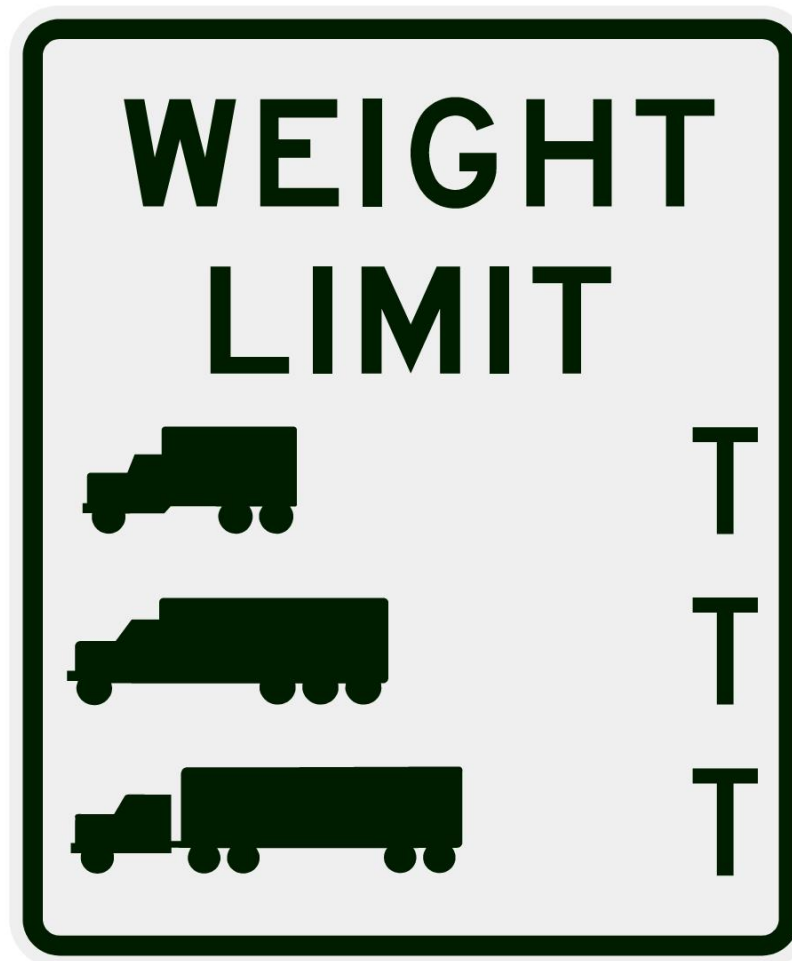
Bridge Posting Information

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

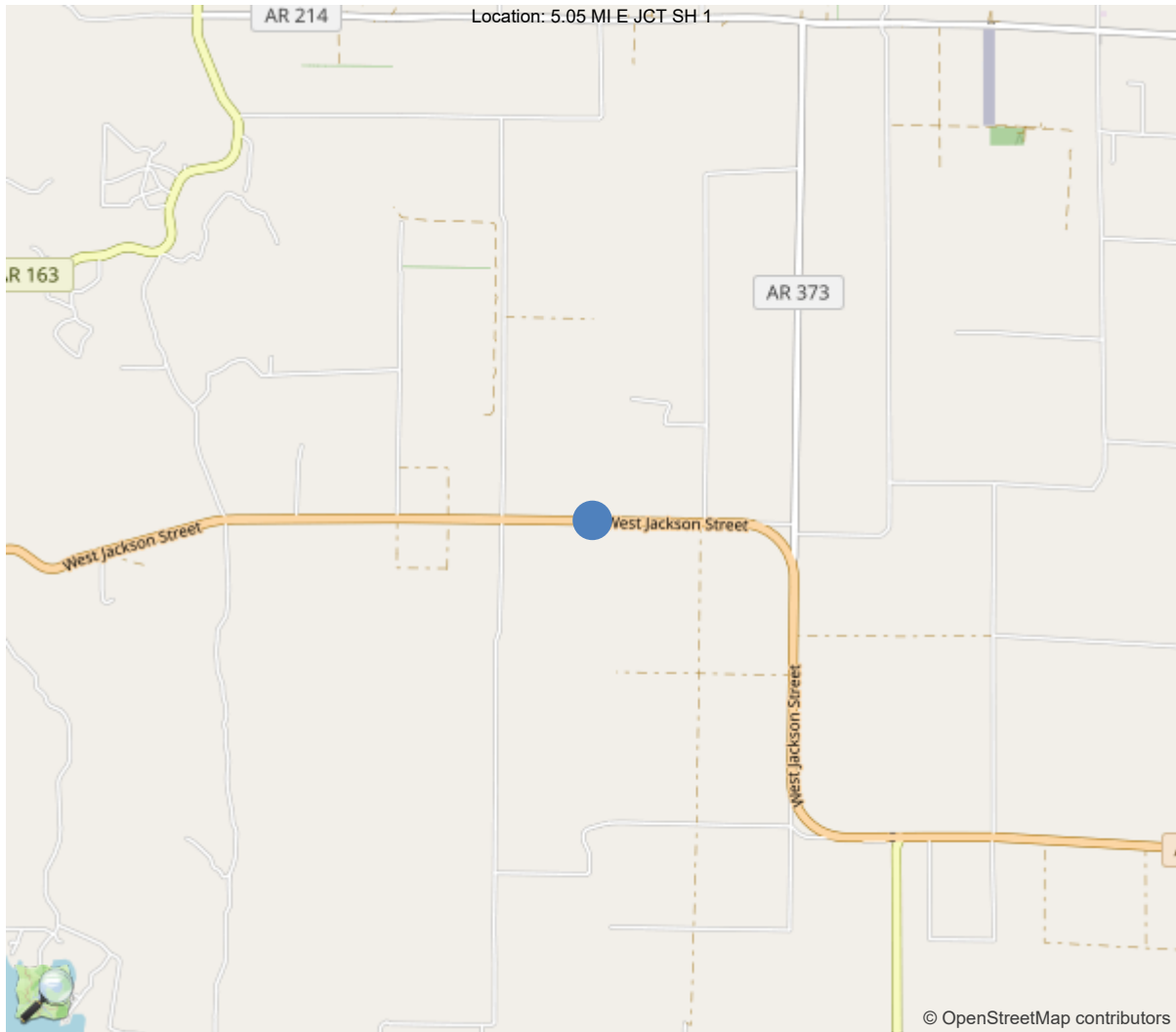
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	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



35.56996, -90.62593



Asset #06957(Routine)

SH 14-14- LM 5.93 over DRAINAGE DITCH NO. 10

Location: 5.05 MI E JCT SH 1

Team Lead: Tim Myrick Inspection Date: 06/08/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06957
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	111 - Poinsett County
(4) Place Code	0
(6) Features Intersected	DRAINAGE DITCH NO. 10
(7) Facility Carried	SH 14-14- LM 5.93
(9) Location	5.05 MI E JCT SH 1
(11) Mile Point	5.93 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000014140
(16) Latitude	35.56996
(17) Longitude	-90.62593
(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	3
(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	0 - None
AGE AND SERVICE	
(27) Year Built	2004
(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	2600
(30) Year of ADT	2018
(109) Truck ADT	9 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	84 ft
(49) Structure Length	228 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 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)	40 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	41.3 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	5 - None present but re-evalua
(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	6 - Rural 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	8
(60) Substructure	8
(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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	8
(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	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	2856
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/08/2022		
(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

-

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

Bridge rails have several cracks with efflorescence.

Approach slabs have unsealed transverse and longitudinal cracks, and a few areas of map cracking in wheel path. Slabs have some abrasion & popouts.

Bent 4 approach slab has a minor spall.

Deck has several unsealed transverse and longitudinal cracks.

Bent 1 joint seal has a 2 in. diameter hole in seal near right gutter.

Bent 4 joint seal has a 1 in. diameter hole in seal near left gutter.

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

Weathering steel superstructure members are dark brown in color and in very good condition.

60 - Substructure (8 - VERY GOOD CONDITION - no problems noted.)

Bents 2 and 3 piles have small drift build up.

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)

Large drift under span 3.

Trees growing beside bridge.



Asset #06957(Routine)
SH 14-14- LM 5.93 over DRAINAGE DITCH NO. 10
Location: 5.05 MI E JCT SH 1
Team Lead: Tim Myrick Inspection Date: 06/08/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	9756	6955	1201	1600	0
1130	Cracking (RC and Other)	SF	2801	0	1201	1600	0
107	Steel Open Girder/Beam	LF	1130	1130	0	0	0
515	Steel Protective Coating	SF	12491	12491	0	0	0
215	Reinforced Concrete Abutment	LF	126	126	0	0	0
225	Steel Pile	EA	20	20	0	0	0
515	Steel Protective Coating	SF	2587	2587	0	0	0
234	Reinforced Concrete Pier Cap	LF	86	86	0	0	0
301	Pourable Joint Seal	LF	80	78	0	2	0
2330	Seal Damage	LF	2	0	0	2	0
310	Elastomeric Bearing	EA	20	20	0	0	0
321	Reinforced Concrete Approach Slab	SF	1752	988	685	79	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1130	Cracking (RC and Other)	SF	727	0	684	43	0
1190	Abrasion/Wear (PSC/RC)	SF	36	0	0	36	0
331	Reinforced Concrete Bridge Railing	LF	452	300	139	13	0
1120	Efflorescence/Rust Staining	LF	50	0	38	12	0
1130	Cracking (RC and Other)	LF	102	0	101	1	0



06/16/2020

Elevation



06/16/2020

Roadway east



06/16/2020



06/16/2020

Span 1 soffit



Spans 2 and 3 Left Bridge Rail



Span 1 Left Bridge Rail



Asset #06957(Routine)

SH 14-14- LM 5.93 over DRAINAGE DITCH NO. 10

Location: 5.05 MI E JCT SH 1

Team Lead: Tim Myrick **Inspection Date:** 06/08/2022

Maintenance Needs

Date Reported: 06/26/2018

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

Deficiency Description

Deck has several unsealed transverse and longitudinal cracks.

Remarks



Asset #06957(Routine)

SH 14-14- LM 5.93 over DRAINAGE DITCH NO. 10

Location: 5.05 MI E JCT SH 1

Team Lead: Tim Myrick **Inspection Date:** 06/08/2022

Maintenance Needs

Date Reported: 06/17/2020

Priority: D- Routine

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

Status: Monitor

Component: Channel

Deficiency Description

Bents 2 and 3 piles have small drift build up.
Large drift under span 3.
Trees growing beside bridge.

Remarks



Asset #06957(Routine)

SH 14-14- LM 5.93 over DRAINAGE DITCH NO. 10

Location: 5.05 MI E JCT SH 1

Team Lead: Tim Myrick **Inspection Date:** 06/08/2022

Maintenance Needs

Date Reported: 08/09/2012

Priority: (Inactive) (Inactive) G - General/
Preventive maintenance

Status: Monitor

Type of Work: Repair (General)

Component: Approach

Deficiency Description

Approach slabs have unsealed transverse and longitudinal cracks, and a few areas of map cracking in wheel path. Slabs have some abrasion/popouts.

Remarks



Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 - Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed



Asset #06957(Routine)

SH 14-14- LM 5.93 over DRAINAGE DITCH NO. 10

Location: 5.05 MI E JCT SH 1

Team Lead: Tim Myrick Inspection Date: 06/08/2022

A-57 - Girder End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Girder Painting Needed

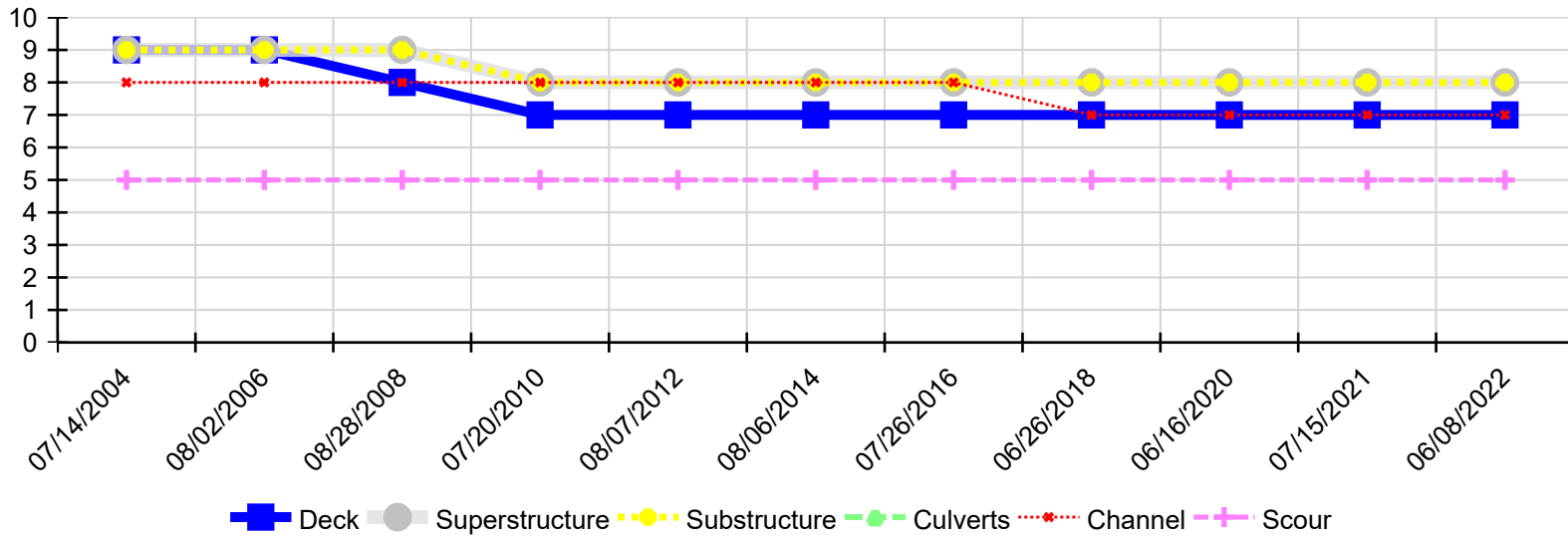
A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/08/2022	7	8	8	N	7	5
07/15/2021	7	8	8	N	7	5
06/16/2020	7	8	8	N	7	5
06/26/2018	7	8	8	N	7	5
07/26/2016	7	8	8	N	8	5
08/06/2014	7	8	8	N	8	5
08/07/2012	7	8	8	N	8	5
07/20/2010	7	8	8	N	8	5
08/28/2008	8	9	9	N	8	5
08/02/2006	9	9	9	N	8	5
07/14/2004	9	9	9	N	8	5