



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

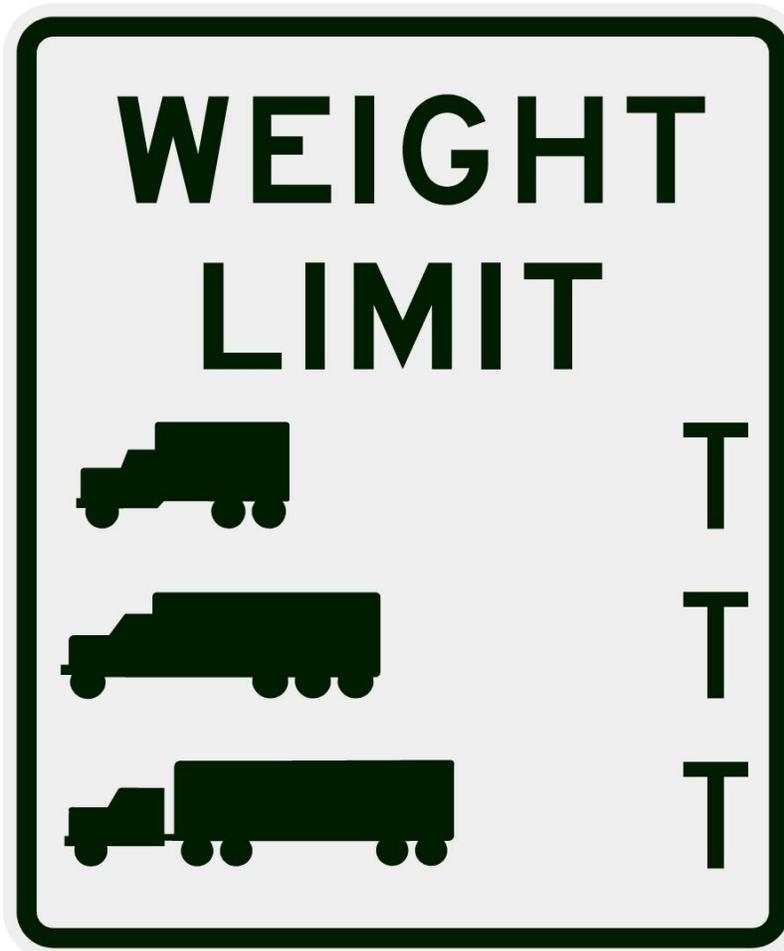
Bridge Posting Information

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

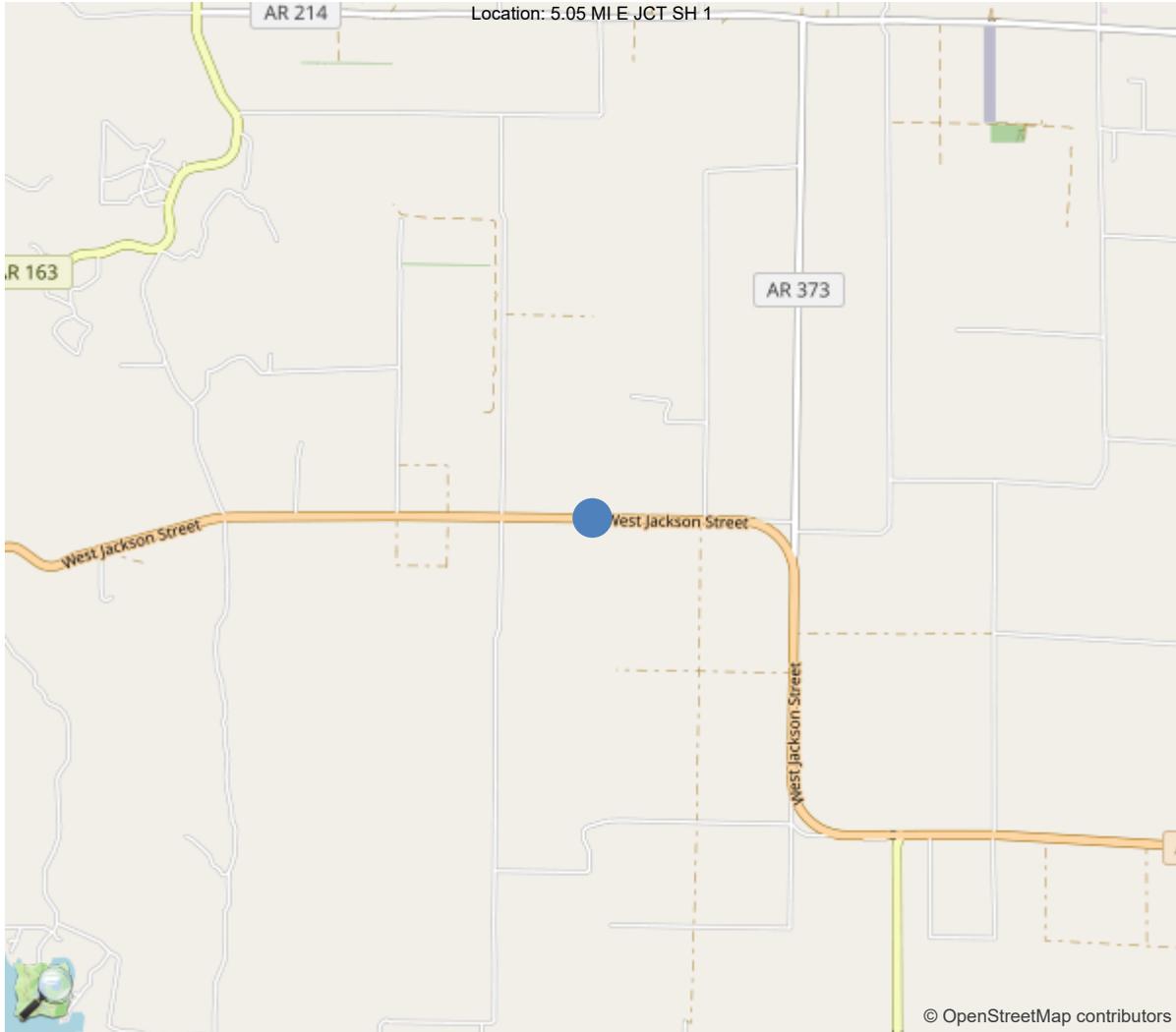
70 - Bridge Posting: 5 - Equal to or above legal loads

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



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		
* 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

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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.



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



Elevation



Roadway east



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

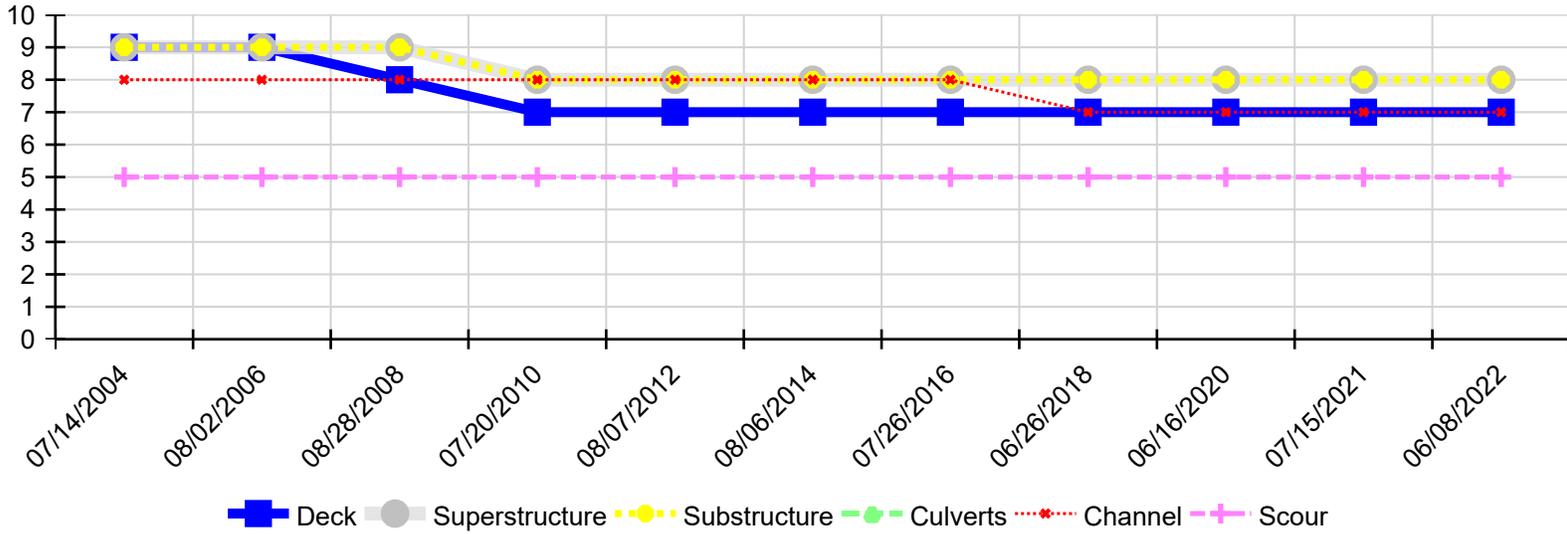
A-61 - Polymer Overlay Advised

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