



Latitude:33.94167, Longitude:-92.12331

Route:114 Section:00 Log:2.819

Arnold Road ID:13x114x0xA, Arnold Log mile:2.806

District 07, 25 - Cleveland County

Owner: 1 - State Highway Agency

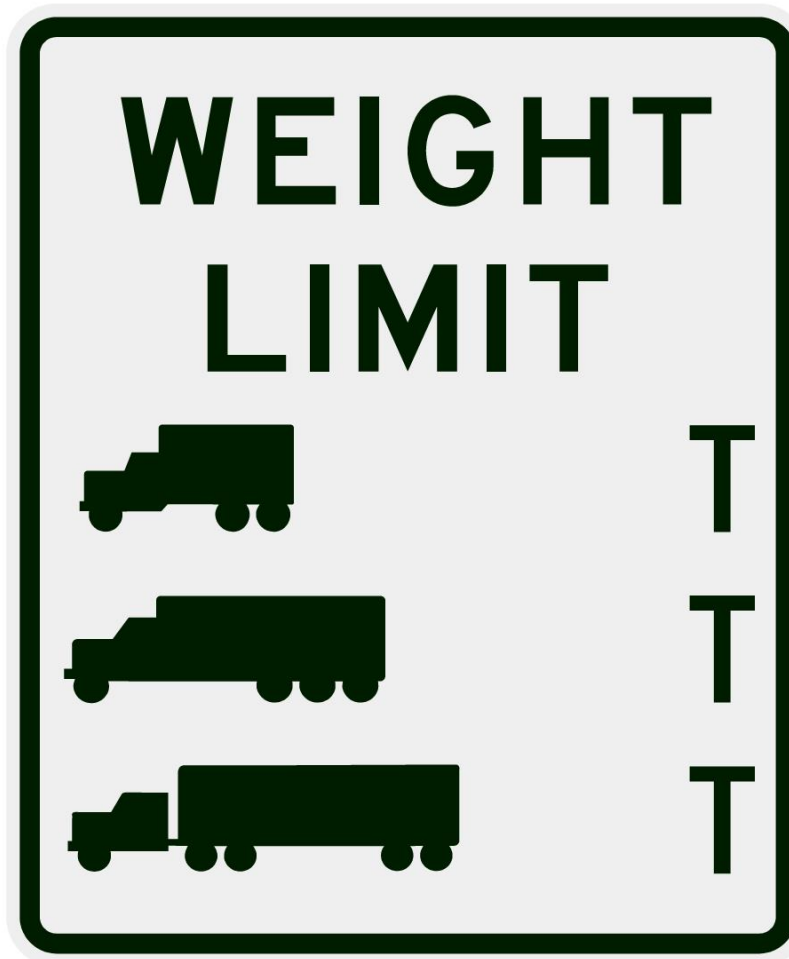
Bridge Posting Information

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

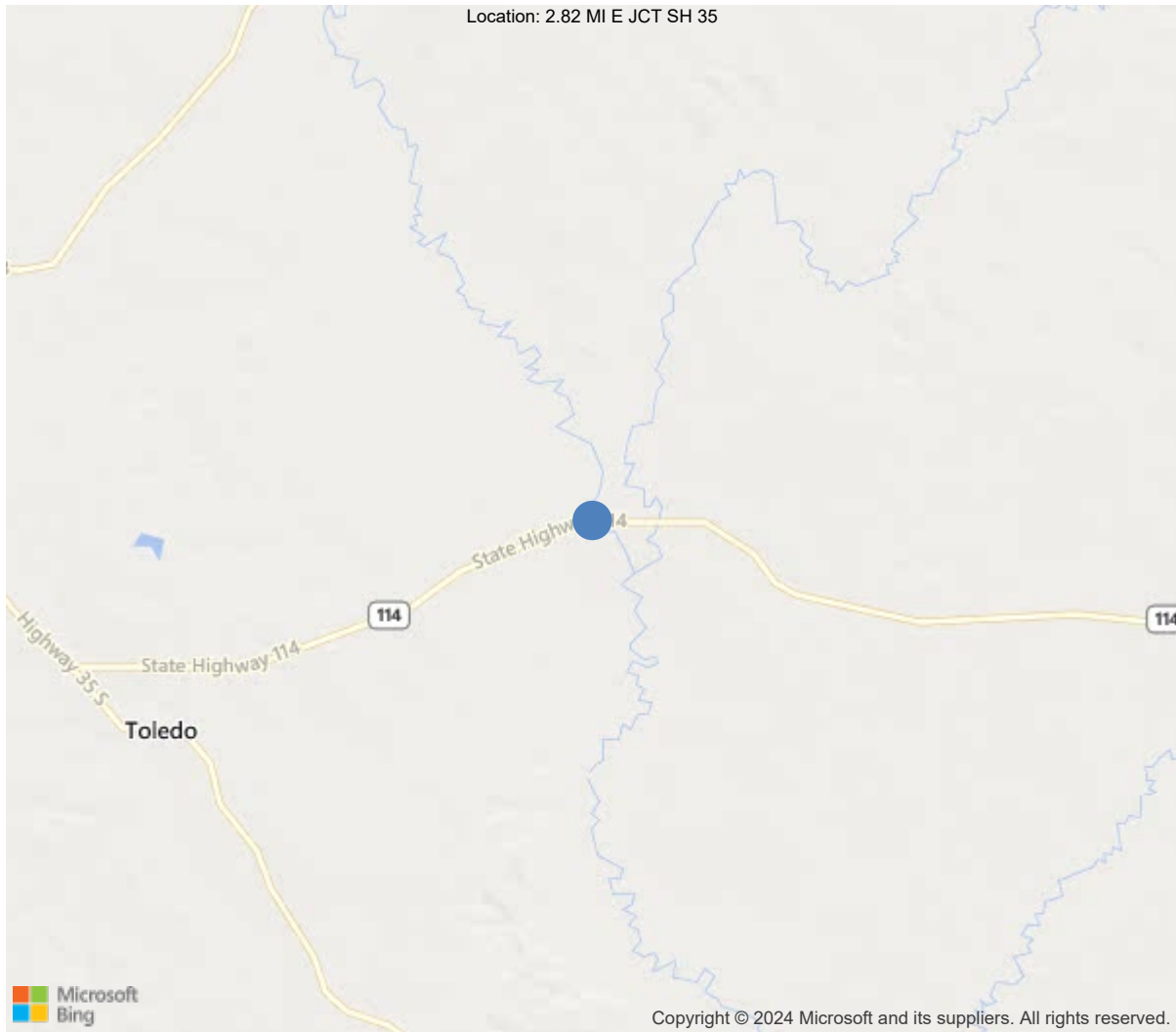
70 - Bridge Posting: 5 - Equal to or above legal loads

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)	47		
Code 5 (40 Tons)	56		

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



33.94167, -92.12331



Asset #06071(Routine)

SH 114 S-0 LM 2.81 over BIG CREEK

Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06071
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	25 - Cleveland County
(4) Place Code	0
(6) Features Intersected	BIG CREEK
(7) Facility Carried	SH 114 S-0 LM 2.81
(9) Location	2.82 MI E JCT SH 35
(11) Mile Point	2.819 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.94167
(17) Longitude	-92.12331
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1 - Concrete
Type	1 - Slab
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1985
(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	700
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	16 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	140 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	31.2 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	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	7 - Rural Major Collector
(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	8
(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	8
(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	1100
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/12/2023		
(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 #06071(Routine)

District: 07, County: 25 - Cleveland County

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

General Observation

Logged northwest to southeast.
4 span slab with concrete substructure.

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

Deck- minor cracks with abrasion.
Joint material tattered and losing bond. leaking.

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

No visible defects.

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

Roadway settlement. Piles have abrasion.

A-46 - Asset Files

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Asset #06071 (Routine)

SH 114 S-0 LM 2.81 over BIG CREEK

Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	4595	2988	1607	0	0
1130	Cracking (RC and Other)	SF	689	0	689	0	0
1190	Abrasion/Wear (PSC/RC)	SF	918	0	918	0	0
215	Reinforced Concrete Abutment	LF	79	46	33	0	0
4000	Settlement	LF	33	0	33	0	0
(215) Roadway settlement.							
227	Reinforced Concrete Pile	EA	18	0	18	0	0
1190	Abrasion/Wear (PSC/RC)	EA	18	0	18	0	0
234	Reinforced Concrete Pier Cap	LF	99	99	0	0	0
301	Pourable Joint Seal	LF	99	0	66	0	33
2310	Leakage	LF	33	0	33	0	0
2320	Seal Adhesion	LF	33	0	33	0	0
2330	Seal Damage	LF	33	0	0	0	33
(301) Tattered and losing bond. leaking.							
(2330-301) Bent 2 joint missing							
331	Reinforced Concrete Bridge Railing	LF	280	280	0	0	0



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Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
38	RC Slab	SF	4595	2988	1607	0	0
1130	Cracking (RC and Other)	SF	689	0	689	0	0
1190	Abrasion/Wear (PSC/RC)	SF	918	0	918	0	0

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

Comment: Deck- minor cracks with abrasion.

Joint material tattered and losing bond. leaking.



Asset #06071(Routine)

SH 114 S-0 LM 2.81 over BIG CREEK

Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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

Comment: No visible defects.



Asset #06071(Routine)

SH 114 S-0 LM 2.81 over BIG CREEK

Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	79	46	33	0	0
4000	Settlement	LF	33	0	33	0	0
(215) Roadway settlement.							
227	Reinforced Concrete Pile	EA	18	0	18	0	0
1190	Abrasion/Wear (PSC/RC)	EA	18	0	18	0	0
234	Reinforced Concrete Pier Cap	LF	99	99	0	0	0

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

Comment: Roadway settlement. Piles have abrasion.



Abutment 2 erosion under cap exposing pile.



Bent 4 has scour hole up to 1'6"



Span 3 soffit overview



Channel overview



Elevation



Deck overview



Approach roadway Eastbound



Profile



Underside span 2



Deck



Roadway



Span 1, erosion to slope, minor scour around bent 2.



Soffit overview span 1.



Approach roadway.



Joints missing seal.



Deck overview.



Elevation.



Abutment 5, erosion under cap.

Maintenance Needs

Date Reported: 11/05/2019

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Bridge

Deficiency Description

Abutment 2, settlement under cap, exposing piles. Also roadway settlement at this abutment.

Remarks



Roadway settlement abutment 2



Scour under abutment 2



Abutment 5, erosion under cap.



Asset #06071(Routine)

SH 114 S-0 LM 2.81 over BIG CREEK

Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, **Inspection Date:** 09/12/2023

Maintenance Needs

Date Reported: 09/19/2023

Priority: D- Routine

Type of Work: Joint Repair

Status: Open

Component: Miscellaneous

Deficiency Description

Bent 2 joint seal missing and filled with debris.

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 #06071(Routine)

SH 114 S-0 LM 2.81 over BIG CREEK

Location: 2.82 MI E JCT SH 35

Team Lead: Rickie Bratton, Inspection Date: 09/12/2023

A-57 - Beam End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Beam Painting Needed

A-61 - Polymer Overlay Advised

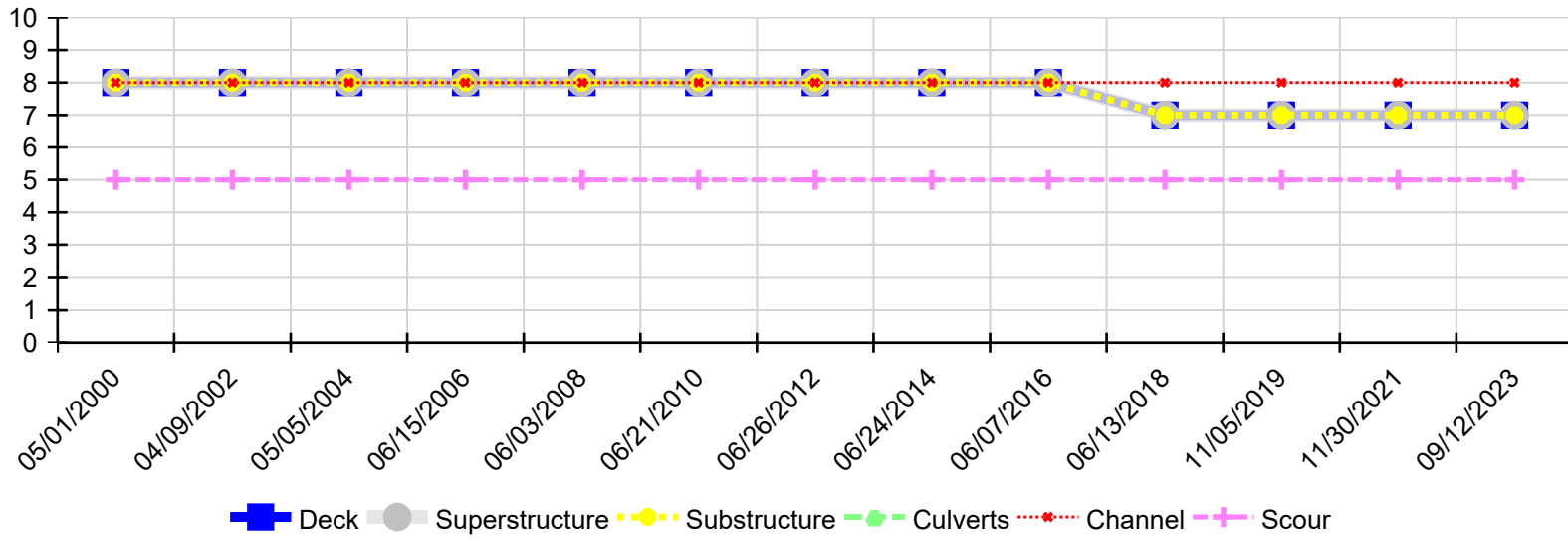
A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested



Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/12/2023	7	7	7	N	8	5
11/30/2021	7	7	7	N	8	5
11/05/2019	7	7	7	N	8	5
06/13/2018	7	7	7	N	8	5
06/07/2016	8	8	8	N	8	5
06/24/2014	8	8	8	N	8	5
06/26/2012	8	8	8	N	8	5
06/21/2010	8	8	8	N	8	5
06/03/2008	8	8	8	N	8	5
06/15/2006	8	8	8	N	8	5
05/05/2004	8	8	8	N	8	5
04/09/2002	8	8	8	N	8	5
05/01/2000	8	8	8	N	8	5