



Latitude:35.92639, Longitude:-90.62147

Route:494 Section:00 Log:0.66

Arnold Road ID:16xCRAIGHEAD745RDx1xA, Arnold Log mile:3.199

District 10, 31 - Craighead County

Owner: 2 - County Highway Agency

Inspection Direction: 1 - N to S

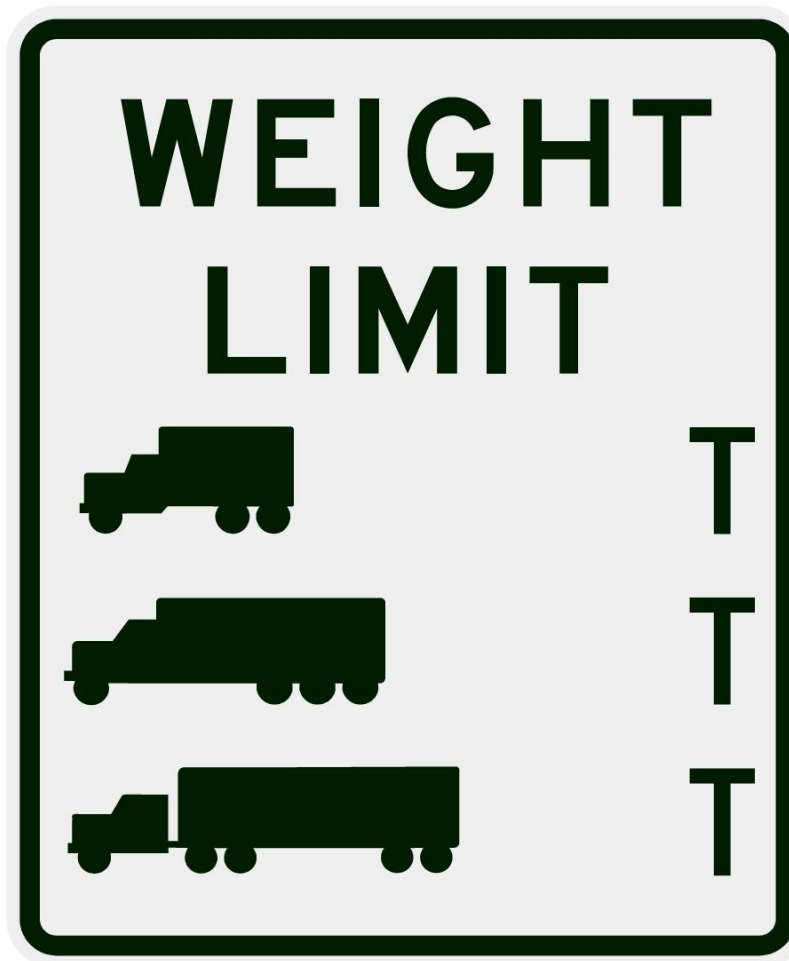
Bridge Posting Information

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

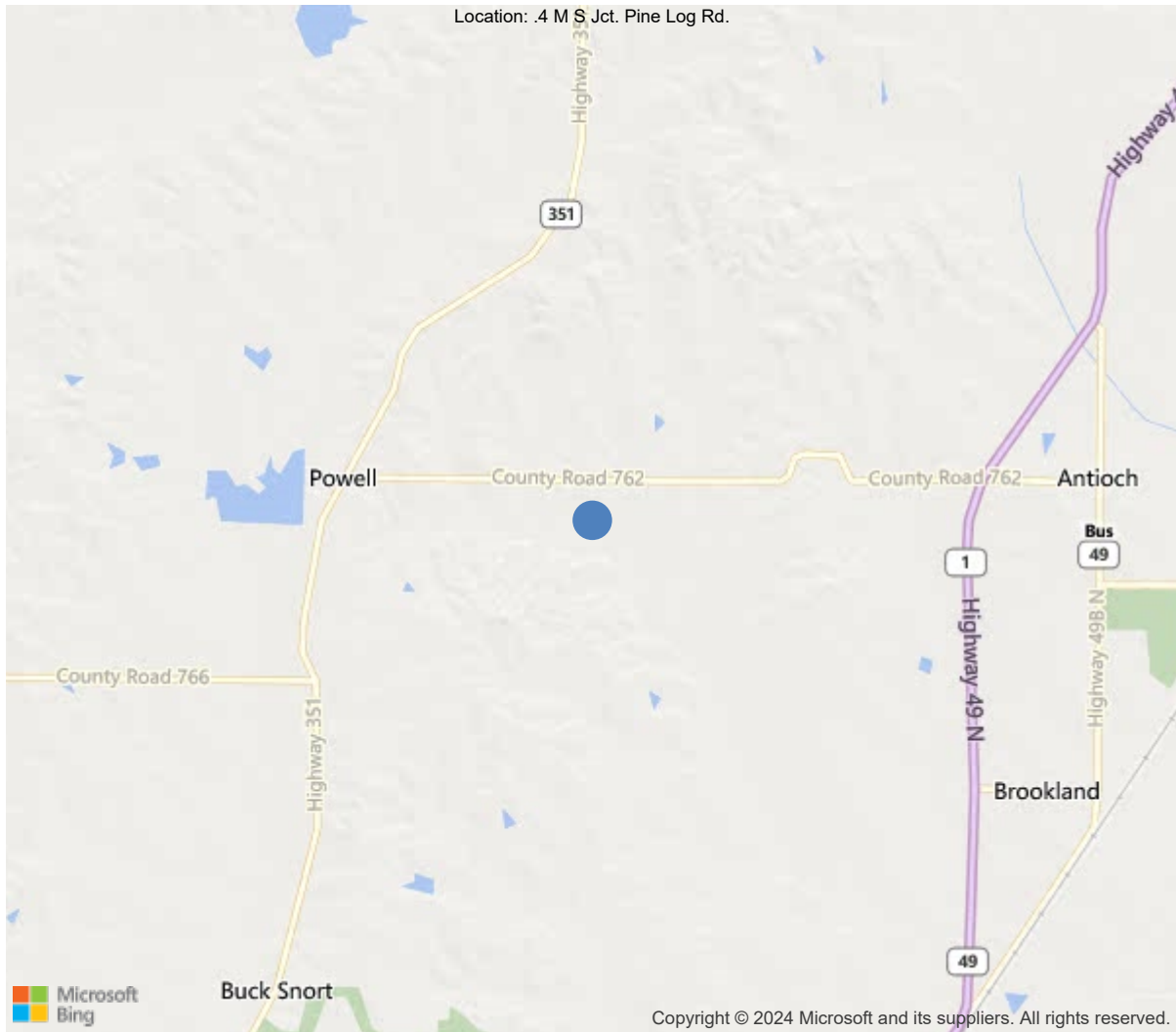
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	34		
Code 9 (31 Tons)	39		
Code 5 (40 Tons)	48		

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



35.92639, -90.62147



Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	23074
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	31 - Craighead County
(4) Place Code	0
(6) Features Intersected	Creek
(7) Facility Carried	CR 494-D (911=745)
(9) Location	.4 M S Jct. Pine Log Rd.
(11) Mile Point	0.66 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.9263866358535
(17) Longitude	-90.6214712633927
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(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	2008
(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	234
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	30 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.4 ft
(52) Deck Width Out to Out	31 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	29.4 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	9 - Rural Local
(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	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0 - Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	52
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	31
(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	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	7 - Countermeasures have been insta
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	13
(115) Year of Future ADT	2008

INSPECTIONS *			
(90) Inspection Date	08/24/2022		
(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.			



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

Top of units have areas of abrasion.

Grout between units has a few transverse cracks and a few small shallow spalls.

Dirt & debris buildup in gutterlines blocking deck drains.

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

Girder portion of precast units has a few minor transverse cracks and a few minor spalls and honeycombed areas.

Unit 2 has a honeycombed area with exposed rebar near bent 1.

Unit 6 has a honeycombed area with exposed rebar near mid span.

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

Abutments have a few very minor honeycombed areas on front face.

Brush & small trees growing under, beside bridge & on channel banks.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

Brush & small trees growing under, beside bridge & on channel banks.

A-46 - Asset Files

-



Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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

Comment: Top of units have areas of abrasion.

Grout between units has a few transverse cracks and a few small shallow spalls.

Dirt & debris buildup in gutterlines blocking deck drains.



Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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

Comment: Girder portion of precast units has a few minor transverse cracks and a few minor spalls and honeycombed areas.

Unit 2 has a honeycombed area with exposed rebar near bent 1.

Unit 6 has a honeycombed area with exposed rebar near mid span.



Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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

Comment: Abutments have a few very minor honeycombed areas on front face.

Brush & small trees growing under, beside bridge & on channel banks.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

Comment: Brush & small trees growing under, beside bridge & on channel banks.



Elevation



South



Unit 2



Unit 6



Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, **Inspection Date:** 08/24/2022

Maintenance Needs

Date Reported: 08/24/2022

Priority: D- Routine

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

Status: Open

Component: Channel

Deficiency Description

Brush & small trees growing under, beside bridge & on channel banks.

Remarks





Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

Maintenance Needs

Date Reported: 08/24/2022

Priority: D- Routine

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

Status: Open

Component: Deck

Deficiency Description

Dirt & debris buildup in gutterlines blocking deck drains.

Remarks



South





Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

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 #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

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



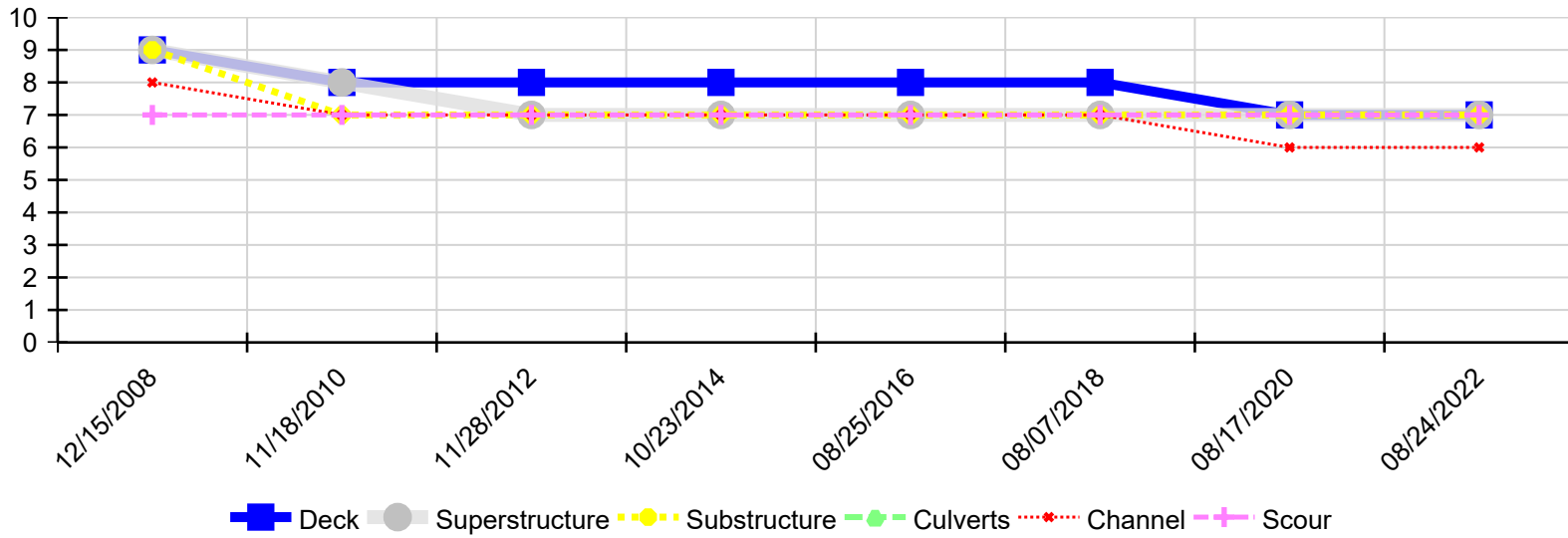
Asset #23074(Routine)

CR 494-D (911=745) over Creek

Location: .4 M S Jct. Pine Log Rd.

Team Lead: James Adams, Inspection Date: 08/24/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/24/2022	7	7	7	N	6	7
08/17/2020	7	7	7	N	6	7
08/07/2018	8	7	7	N	7	7
08/25/2016	8	7	7	N	7	7
10/23/2014	8	7	7	N	7	7
11/28/2012	8	7	7	N	7	7
11/18/2010	8	8	7	N	7	7
12/15/2008	9	9	9	N	8	7