



Latitude:34.06390, Longitude:-93.54440

Route:15 Section:00 Log:0.9

Arnold Road ID:55xSTRAWBERRYRDx3xA, Arnold Log mile:4.145

District 03, 109 - Pike County

Owner: 2 - County Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

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

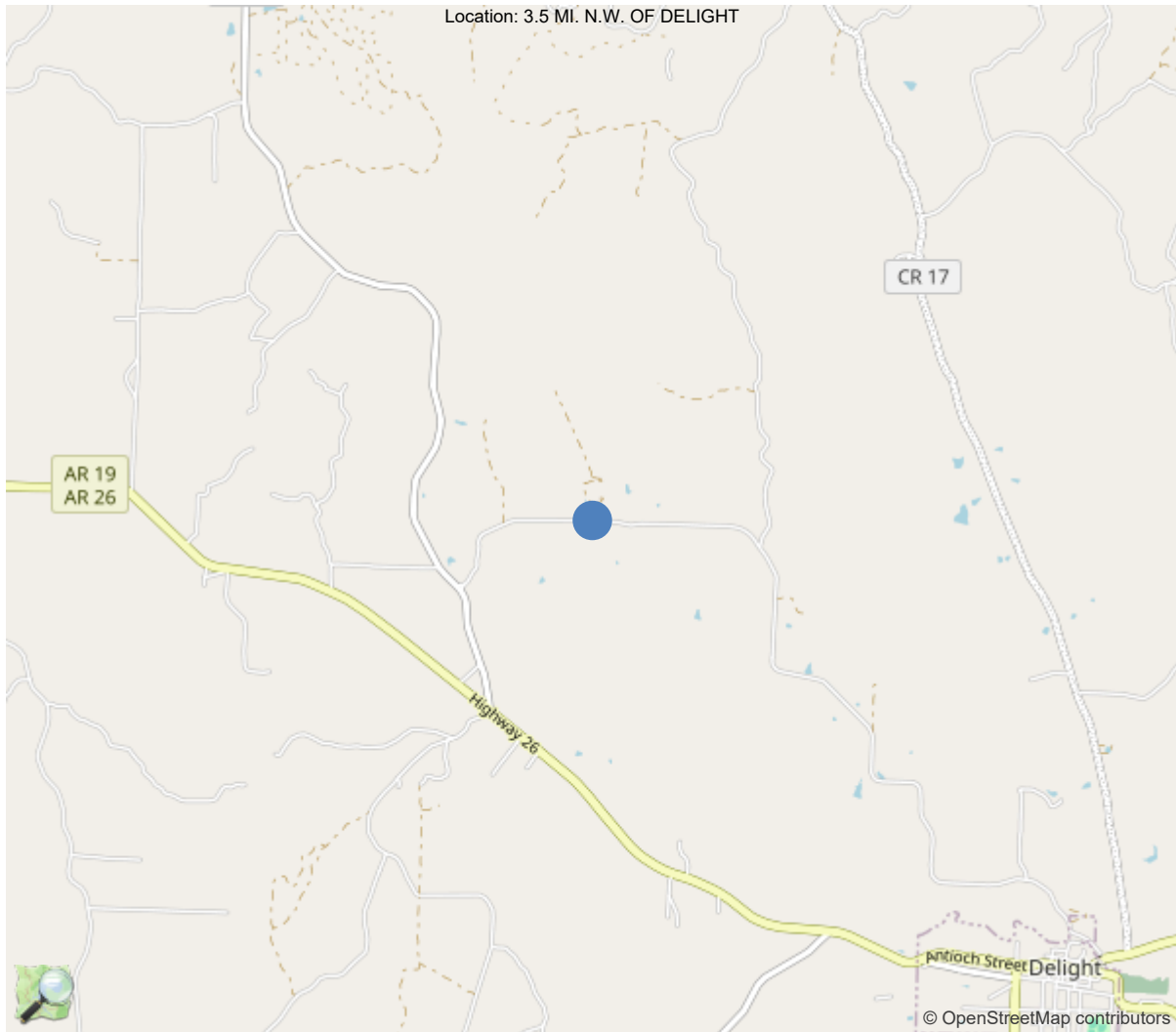
70 - Bridge Posting: 5 - Equal to or above legal loads

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



34.06390, -93.54440

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	23145
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	109 - Pike County
(4) Place Code	0
(6) Features Intersected	WOLF CREEK
(7) Facility Carried	C.R. 15 STRAWBERRY
(9) Location	3.5 MI. N.W. OF DELIGHT
(11) Mile Point	0.9 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.0639
(17) Longitude	-93.5444
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3 - Steel
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	1
(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	2007
(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	364
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	59 ft
(49) Structure Length	60 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	22.6 ft
(52) Deck Width Out to Out	24.5 ft
(32) Approach Roadway Width (W/Shoulders)	23 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	22.6 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	8 - Rural Minor 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	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	7
(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	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	0
(114) Future ADT	183
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	07/17/2023		
(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		
<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>			



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

Deck rating is a 7 this inspection due to various locations of cracking throughout all spans. Underside of concrete deck has stay in place forms.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Dropped superstructure rating to a 6 this inspection due to corrosion on all beams around bottom flanges. Old state beams were used, beams were flipped over with shear studs down.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Substructure rating is a 6 this inspection due to various locations of cracking with efflorescence, and abrasion in various locations of abutments 1 & 2.

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.)
Channel is rated a 6 this inspection due to widespread damage in various locations both up and downstream.

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

Asphalt needs cleaned off of abutment 1 cap.

A-64 - Vegetation Removal Requested (Y)

Vegetation needs removed in various locations on both right and left sides of bridge.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6 - Widespread minor or isolated moderate scour.)

Scour rating is a 6 this inspection due to isolated scour around Bent 1 abutment.



Rt side of bridge vegetation



Bent 1 isolated scour



Rt side of bridge vegetation



Outside of deck



Shear studs on bottom of beams



Bent 1 isolated scour



Asphalt on abutment 1 cap



Asphalt on abutment 1 cap



Upstream



Downstream



Cracking with efflorescence



Abutment 1



Utility pipe attached to steel beams. LT side of bridge



Beam photo



Underside of deck with stay in place forms



Underside of deck with stay in place forms



07/17/2023

Corrosion to beams.



07/17/2023

Abutment 2



07/17/2023

Abrasion on abutment 2



07/17/2023

Elevation



Upstream



Upstream



Downstream



Downstream



Deck photo



Deck cracking



Deck cracking



Corrosion on guardrail



07/17/2023

Alignment

Maintenance Needs

Date Reported: 07/06/2021

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

Deficiency Description

Metal plate at joint needs cut out and repaired

Remarks



Metal plate at joint needs cut out and repaired At
beginning of bridge

Maintenance Needs

Date Reported: 07/06/2021

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Approach

Deficiency Description

Approach roadway has settlement needs leveling

Remarks



Approach roadway has settlement needs leveling



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	Yes
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	Yes

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed

A-57 - Girder End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed (Yes)
Asphalt needs cleaned off of abutment 1 cap.



Asphalt on abutment 1 cap



Asphalt on abutment 1 cap

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 (Yes)

Vegetation needs removed in various locations on both right and left sides of bridge.

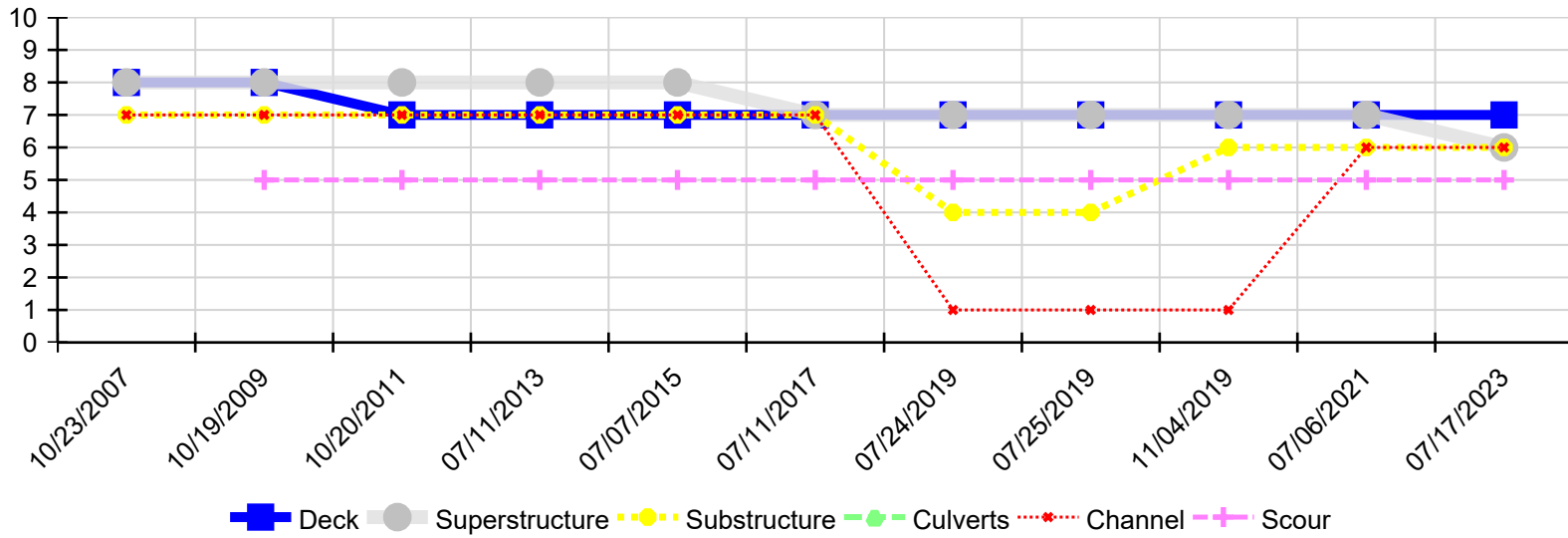


Rt side of bridge vegetation



Rt side of bridge vegetation

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/17/2023	7	6	6	N	6	5
07/06/2021	7	7	6	N	6	5
11/04/2019	7	7	6	N	1	5
07/25/2019	7	7	4	N	1	5
07/24/2019	7	7	4	N	1	5
07/11/2017	7	7	7	N	7	5
07/07/2015	7	8	7	N	7	5
07/11/2013	7	8	7	N	7	5
10/20/2011	7	8	7	N	7	5
10/19/2009	8	8	7	N	7	5
10/23/2007	8	8	7	N	7	N