



Latitude:35.25750, Longitude:-91.74498

Route:16 Section:13 Log:14.27

Arnold Road ID:73x16x13xA, Arnold Log mile:14.176

District 05, 145 - White County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

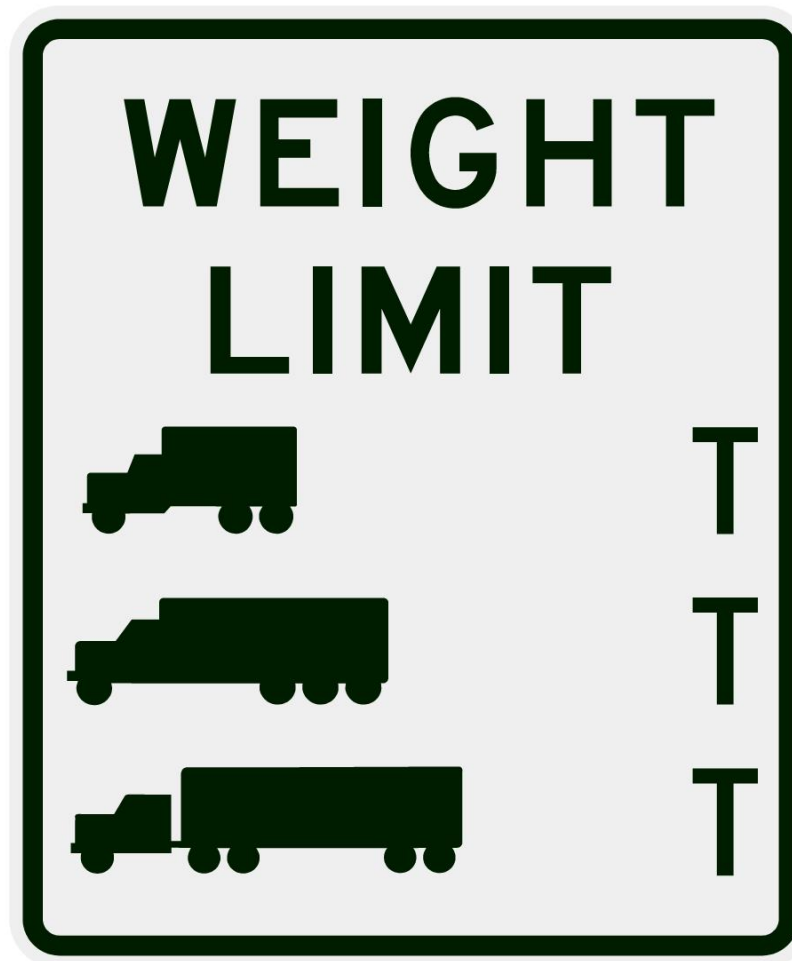
Bridge Posting Information

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

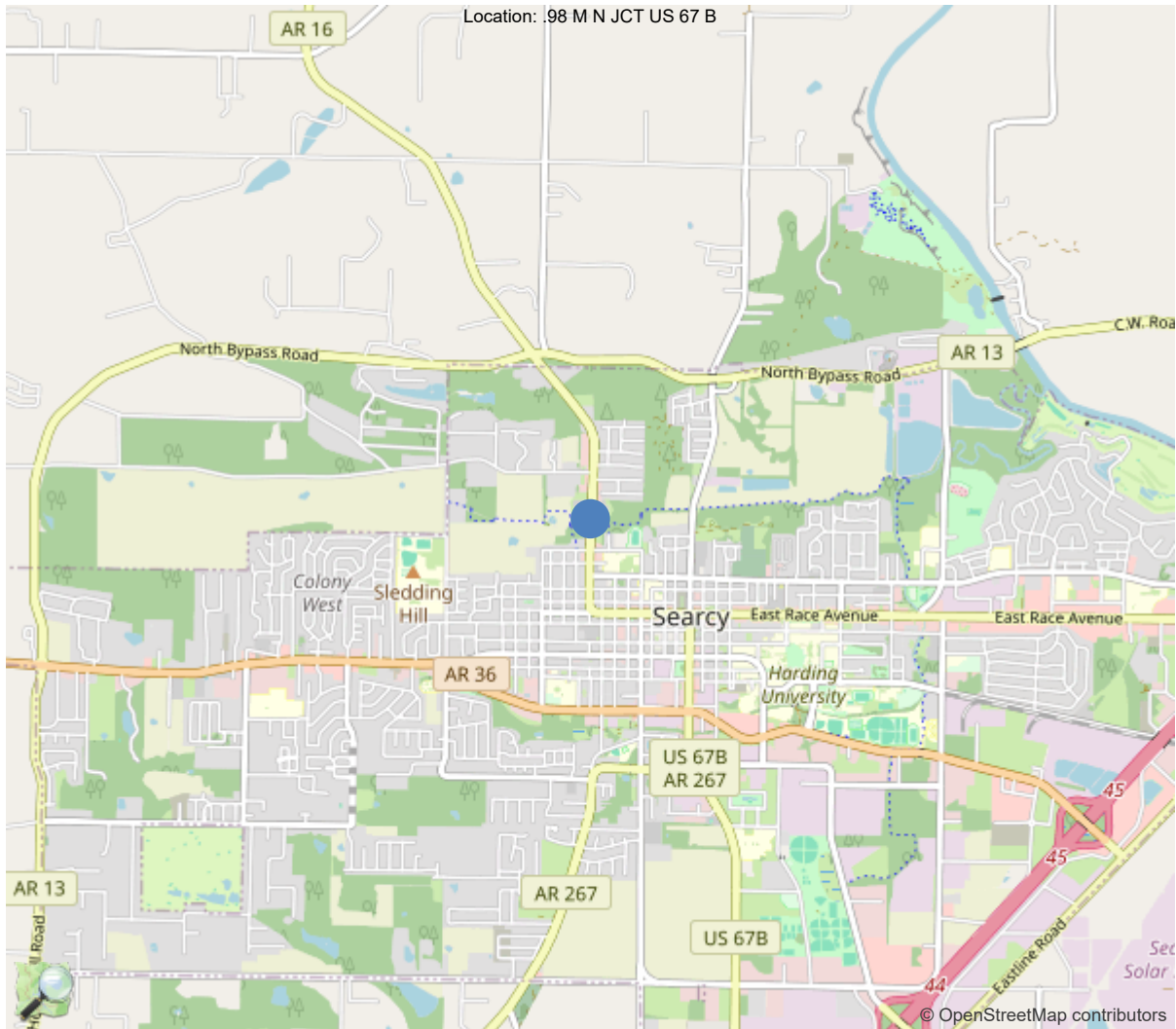
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	28		
Code 9 (31 Tons)	35		
Code 5 (40 Tons)	50		

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



35.25750, -91.74498



Asset #X1112(Routine)
SH/16 White County over Deener Creek
Location: .98 M N JCT US 67 B
Team Lead: Kerry Little Inspection Date: 03/20/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X1112
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	145 - White County
(4) Place Code	0
(6) Features Intersected	Deener Creek
(7) Facility Carried	SH/16 White County
(9) Location	.98 M N JCT US 67 B
(11) Mile Point	14.27 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.2575
(17) Longitude	-91.74498
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(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	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
Type of Membrane	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	2003
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	8500
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	19 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	12 ft
(49) Structure Length	51 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	51.8 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	99.9 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	16 - Urban 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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	7
(62) Culverts	7
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	42
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	25
(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	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	14907
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/20/2023		
(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 #X1112(Routine)

SH/16 White County over Deener Creek

Location: .98 M N JCT US 67 B

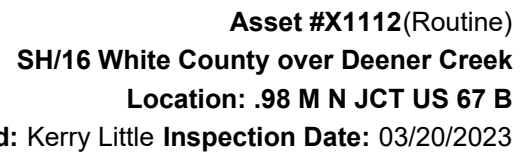
Team Lead: Kerry Little Inspection Date: 03/20/2023

General Observation

Elevation with Log Mile running to the Left.

A-51 - Inspection Direction (1 - N to S)

Roadway with Log Mile running North to South.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	<div> <div></div> <div></div> <div></div> <div></div> </div>			
				CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	390	309	75	6	0
1120	Efflorescence/Rust Staining	LF	41	0	35	6	0
1130	Cracking (RC and Other)	LF	40	0	40	0	0
(241) 2 vertical efflorescent cracks to Abutment 1. 2 vertical efflorescent cracks to Abutment 2. Efflorescent cracking to soffit @ all barrels, some have rust stains. Vertical cracking to all walls. 1.5' to 3' of sediment buildup in Barrels 1, 2 & 3 and at inlet and outlet ends is restricting flow, and realigned main channel flow to Barrel 4. Left & Right wings at Abutments 1 & 2 have separated. Vertical cracking to Left & Right wings @ Abutments 1 & 2, some have efflorescence.							



Elevation with log mile going left.



Roadway with log mile looking south.



Upstream



Downstream



Typical efflor cracks to @ barrels.
Barrel 3.

Maintenance Needs

Date Reported: 03/15/2017

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Assigned

Component:

Deficiency Description

1.5' to 3' of sediment buildup in Barrels 1, 2 & 3 and at inlet and outlet ends is restricting flow, and realigned main channel flow to Barrel 4.

Remarks



1.5' to 3' of sediment buildup in Barrels 1, 2 & 3 and at inlet and outlet ends is restricting flow, and realigned main channel flow to Barrel 4.



Sediment buildup in Barrels 1, 2 & 3.

Maintenance Needs

Date Reported: 03/15/2017

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Assigned

Component:

Deficiency Description

Visible settlement to approach roadways

Remarks



Visible settlement to approach roadways
Abutment 2.



Visible settlement to approach roadways
Abutment 1.

Maintenance Needs

Date Reported: 03/15/2017

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component:

Deficiency Description

Left & Right wings at Abutments 1 & 2 have separated.

Remarks



Left & Right wings at Abutments 1 & 2 have separated.



Right & left wings at Abutments #1 & #2 have separated



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 #X1112(Routine)

SH/16 White County over Deener Creek

Location: .98 M N JCT US 67 B

Team Lead: Kerry Little Inspection Date: 03/20/2023

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

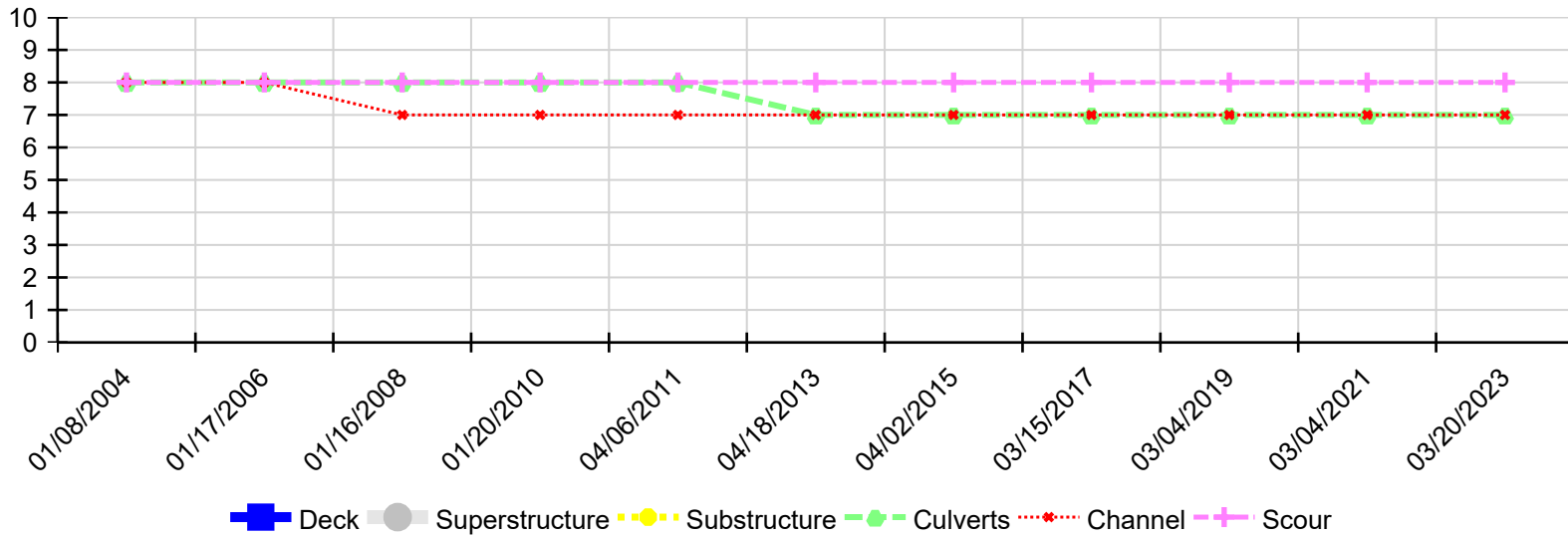
A-61 - Polymer Overlay Advised

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
03/20/2023	N	N	N	7	7	8
03/04/2021	N	N	N	7	7	8
03/04/2019	N	N	N	7	7	8
03/15/2017	N	N	N	7	7	8
04/02/2015	N	N	N	7	7	8
04/18/2013	N	N	N	7	7	8
04/06/2011	N	N	N	8	7	8
01/20/2010	N	N	N	8	7	8
01/16/2008	N	N	N	8	7	8
01/17/2006	N	N	N	8	8	8
01/08/2004	N	N	N	8	8	8