



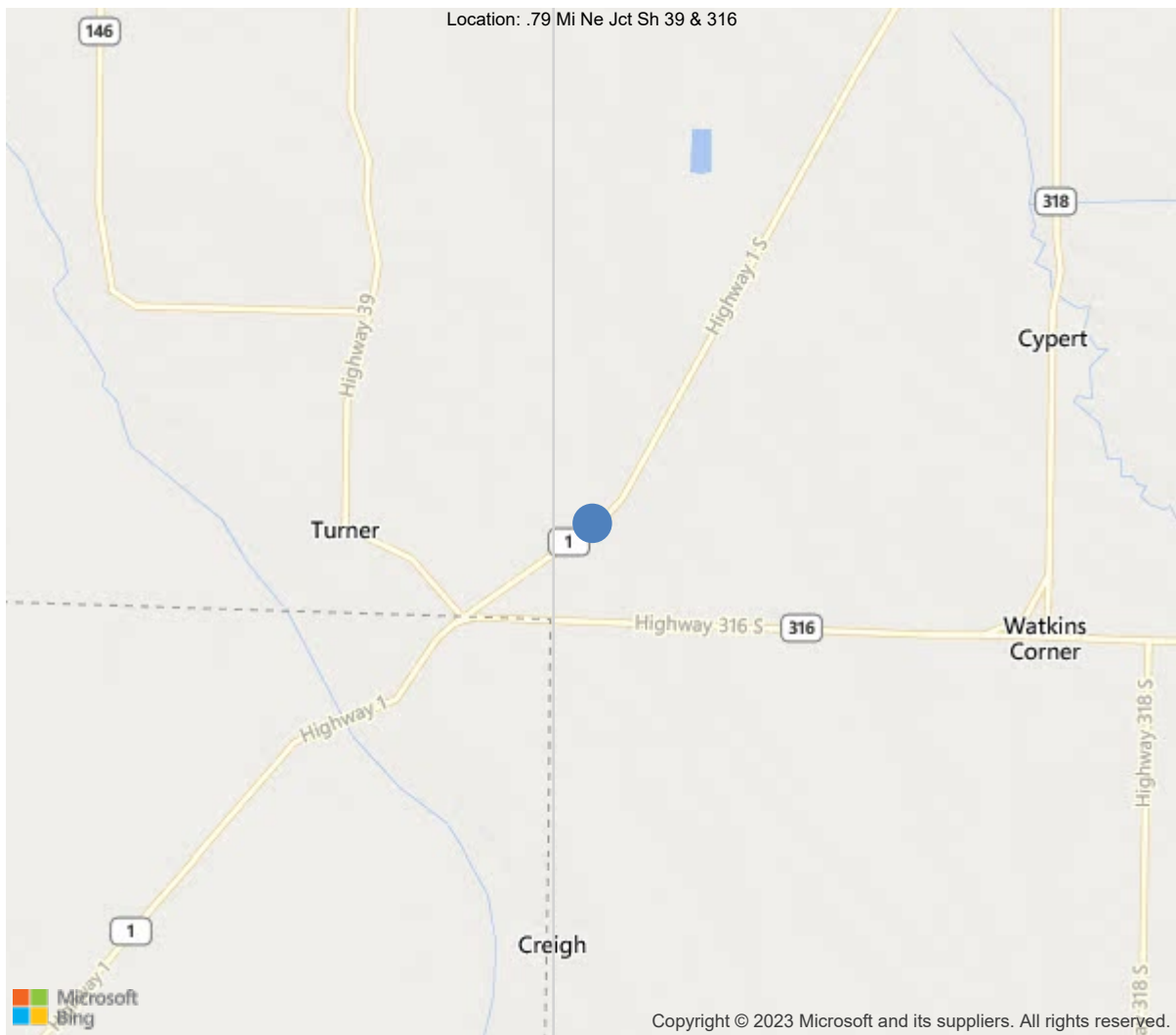
Latitude:34.47621, Longitude:-90.99659

Route:1 Section:07 Log:0.79

Arnold Road ID:54x1x7xA, Arnold Log mile:0.791

District 01, 107 - Phillips County

Owner: 1 - State Highway Agency



34.47621, -90.99659



Asset #03069(Routine)

Sh-1/Sec-7/L-0.79 over Little Cypress

Location: .79 Mi Ne Jct Sh 39 & 316

Team Lead: Drew Melton, Inspection Date: 05/18/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	03069
(5) Inventory Route	1
(2) Highway Agency District	01 - District 01
(3) County Code	107 - Phillips County
(4) Place Code	0
(6) Features Intersected	Little Cypress
(7) Facility Carried	Sh-1/Sec-7/L-0.79
(9) Location	.79 Mi Ne Jct Sh 39 & 316
(11) Mile Point	0.79 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000001070
(16) Latitude	34.476208
(17) Longitude	-90.99659
(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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1961
(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	1200
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	100 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	26.2 ft
(52) Deck Width Out to Out	29.5 ft
(32) Approach Roadway Width (W/Shoulders)	26.5 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	26.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	1
(26) Functional Class	2 - Rural Principal Arterial -
(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	1 - The inventory route is par
(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	7
(60) Substructure	7
(61) Channel & Channel Protection	6
(62) Culverts	N
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	40
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	24
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	4
(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	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	1500
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date	05/18/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<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>			



General Observation

Small trees and vegetation are growing under and beside bridge.
Abutment #2 right approach rail has minor collision damage

53 - Min Vert Clear Over Bridge Roadway (99.99)

no obstructions over. should not be 0

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

05/02/2018 lowered substructure from 8 to 7 due to spalls on caps.

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.)

05/18/2022 lowered channel from 8 to 6 due to restriction in channel from vegetation growing.

Channel upstream and downstream banks are well vegetated and in good condition. Channel has weed mats growing in them restricting the channel slightly to moderately.

A-46 - Asset Files

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2950	2946	2	2	0
1080	Delamination/Spall/Patched Area	SF	2	0	2	0	0
1090	Exposed Rebar	SF	2	0	0	2	0
510	Wearing Surfaces	SF	2600	1300	1300	0	0
3220	Crack (Wearing Surface)	SF	1300	0	1300	0	0
(38) Grass growing in gutters both sides. Soffit-under surface of slabs have hairline cracks near center line. Span #1 soffit-under surface at bent #2 above piles #3,4 has a few small delaminated areas and 6, of spalls with exposed rebar with moderate section loss. (510-38) Wearing surface has multiple cracks different directions.							
215	Reinforced Concrete Abutment	LF	76	76	0	0	0
227	Reinforced Concrete Pile	EA	12	12	0	0	0
234	Reinforced Concrete Pier Cap	LF	89	81	6	2	0
1080	Delamination/Spall/Patched Area	LF	6	0	6	0	0
1090	Exposed Rebar	LF	2	0	0	2	0
(234) Bent #1 cap left end has a 1' shallow spall. Bent #2 cap ahead face at center line has a 1' delamination. Bent #2 cap back face 1' from right side has a 1' delaminated area at top. Bent #3 cap at top right has a 1' delamination on back face. Bent #4 cap on bottom both ends each has 1' spall exposed rebar moderate section loss. Bent #4 cap right side ahead face 3' from end has a 1' delaminated area and a 6" delaminated area.							
301	Pourable Joint Seal	LF	88	0	0	88	0
2350	Debris Impaction	LF	88	0	0	88	0
(301) Joints have ashphalt over them causing loss of movement.							
330	Metal Bridge Railing	LF	200	200	0	0	0
515	Steel Protective Coating	SF	600	0	600	0	0
3440	Effectiveness (Steel Protective Coatings)	LF	600	0	600	0	0
(515-330) Bridge rails are dull in color.							

Location: .79 Mi Ne Jct Sh 39 & 316

Team Lead: Drew Melton, **Inspection Date:** 05/18/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2950	2946	2	2	0
1080	Delamination/Spall/Patched Area	SF	2	0	2	0	0
1090	Exposed Rebar	SF	2	0	0	2	0
510	Wearing Surfaces	SF	2600	1300	1300	0	0
3220	Crack (Wearing Surface)	SF	1300	0	1300	0	0
<p>(38) Grass growing in gutters both sides.</p> <p>Soffit-under surface of slabs have hairline cracks near center line.</p> <p>Span #1 soffit-under surface at bent #2 above piles #3,4 has a few small delaminated areas and 6, of spalls with exposed rebar with moderate section loss.</p> <p>(510-38) Wearing surface has multiple cracks different directions.</p>							



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	76	76	0	0	0
227	Reinforced Concrete Pile	EA	12	12	0	0	0
234	Reinforced Concrete Pier Cap	LF	89	81	6	2	0
1080	Delamination/Spall/Patched Area	LF	6	0	6	0	0
1090	Exposed Rebar	LF	2	0	0	2	0
(234) Bent #1 cap left end has a 1' shallow spall. Bent #2 cap ahead face at center line has a 1' delamination. Bent #2 cap back face 1' from right side has a 1' delaminated area at top. Bent #3 cap at top right has a 1' delamination on back face. Bent #4 cap on bottom both ends each has 1' spall exposed rebar moderate section loss. Bent #4 cap right side ahead face 3' from end has a 1' delaminated area and a 6" delaminated area.							

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

Comment: 05/02/2018 lowered substructure from 8 to 7 due to spalls on caps.

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: 05/18/2022 lowered channel from 8 to 6 due to restriction in channel from vegetation growing.

Channel upstream and downstream banks are well vegetated and in good condition. Channel has weed mats growing in them restricting the channel slightly to moderately.



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Sh-1/Sec-7/L-0.79 over Little Cypress

Location: .79 Mi Ne Jct Sh 39 & 316

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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Side view-Elevation

Maintenance Needs

Date Reported: 05/14/2020

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component: Element

Deficiency Description

Span #1 soffit-under surface at bent #2 above piles #3,4 has a few small delaminated areas and 6, of spalls with exposed rebar with moderate section loss.

Remarks



Span #1 soffit-under surface at bent #2 above piles #3,4 has a few small delaminated areas and 6, of spalls with exposed rebar with moderate section loss.



Asset #03069(Routine)

Sh-1/Sec-7/L-0.79 over Little Cypress

Location: .79 Mi Ne Jct Sh 39 & 316

Team Lead: Drew Melton, Inspection Date: 05/18/2022

Maintenance Needs

Date Reported: 05/18/2016

Priority: C - Important

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

Status: Monitor

Component: Element

Deficiency Description

Grass growing in gutters both sides.

Remarks



Typical gutters

Maintenance Needs

Date Reported: 05/05/2014

Priority: D- Routine

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

Status: Monitor

Component: Channel

Deficiency Description

Small trees and vegetation are growing under and beside bridge.

Remarks



Typical trees and vegetation

Maintenance Needs

Date Reported: 05/23/2022

Priority: D- Routine

Type of Work: Repair (General)

Status: Open

Component: Element

Deficiency Description

Bent #1 cap left end has a 1' shallow spall.

Bent #2 cap ahead face at center line has a 1' delamination.

Bent #2 cap back face 1' from right side has a 1' delaminated area at top.

Bent #3 cap at top right has a 1' delamination on back face.

Bent #4 cap on bottom both ends each has 1' spall exposed rebar moderate section loss.

Bent #4 cap right side ahead face 3' from end has a 1' delaminated area and a 6" delaminated area.

Remarks



Bent #2 cap back face 1' from right side has a 1' delaminated area at top.



Bent #4 cap right side ahead face 3' from end has a 1' delaminated area and a 6" delaminated area.



Bent #4 cap on bottom left end has 1' spall exposed
rebar moderate section loss.



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Location: .79 Mi Ne Jct Sh 39 & 316

Team Lead: Drew Melton, **Inspection Date:** 05/18/2022

Maintenance Needs

Date Reported: 05/23/2022

Priority: D- Routine

Type of Work: Repair (General)

Status: Open

Component: Element

Deficiency Description

Wearing surface has multiple cracks different directions.

Remarks



Typical deck



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Team Lead: Drew Melton, **Inspection Date:** 05/18/2022

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	



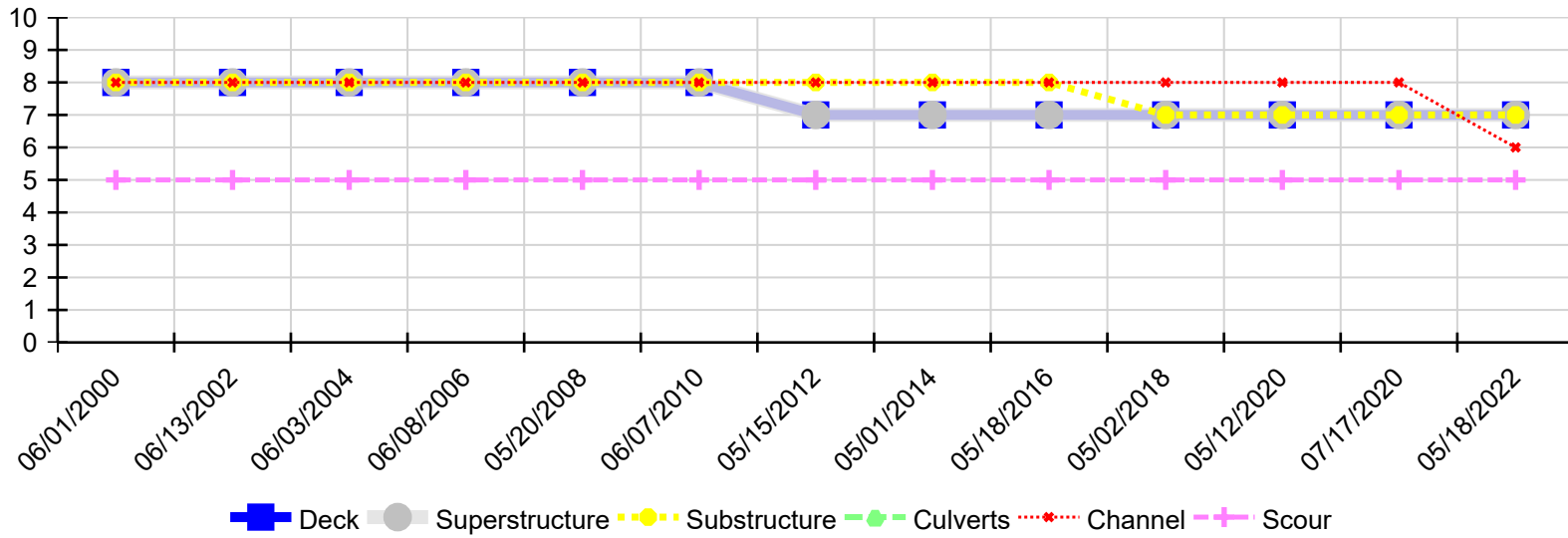
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Location: .79 Mi Ne Jct Sh 39 & 316

Team Lead: Drew Melton, Inspection Date: 05/18/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/18/2022	7	7	7	N	6	5
07/17/2020	7	7	7	N	8	5
05/12/2020	7	7	7	N	8	5
05/02/2018	7	7	7	N	8	5
05/18/2016	7	7	8	N	8	5
05/01/2014	7	7	8	N	8	5
05/15/2012	7	7	8	N	8	5
06/07/2010	8	8	8	N	8	5
05/20/2008	8	8	8	N	8	5
06/08/2006	8	8	8	N	8	5
06/03/2004	8	8	8	N	8	5
06/13/2002	8	8	8	N	8	5
06/01/2000	8	8	8	N	8	5