



Latitude:34.92072, Longitude:-90.31353

Route:131 Section:02 Log:6.1

Arnold Road ID:18x131x2xA, Arnold Log mile:6.103

District 01, 35 - Crittenden County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

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

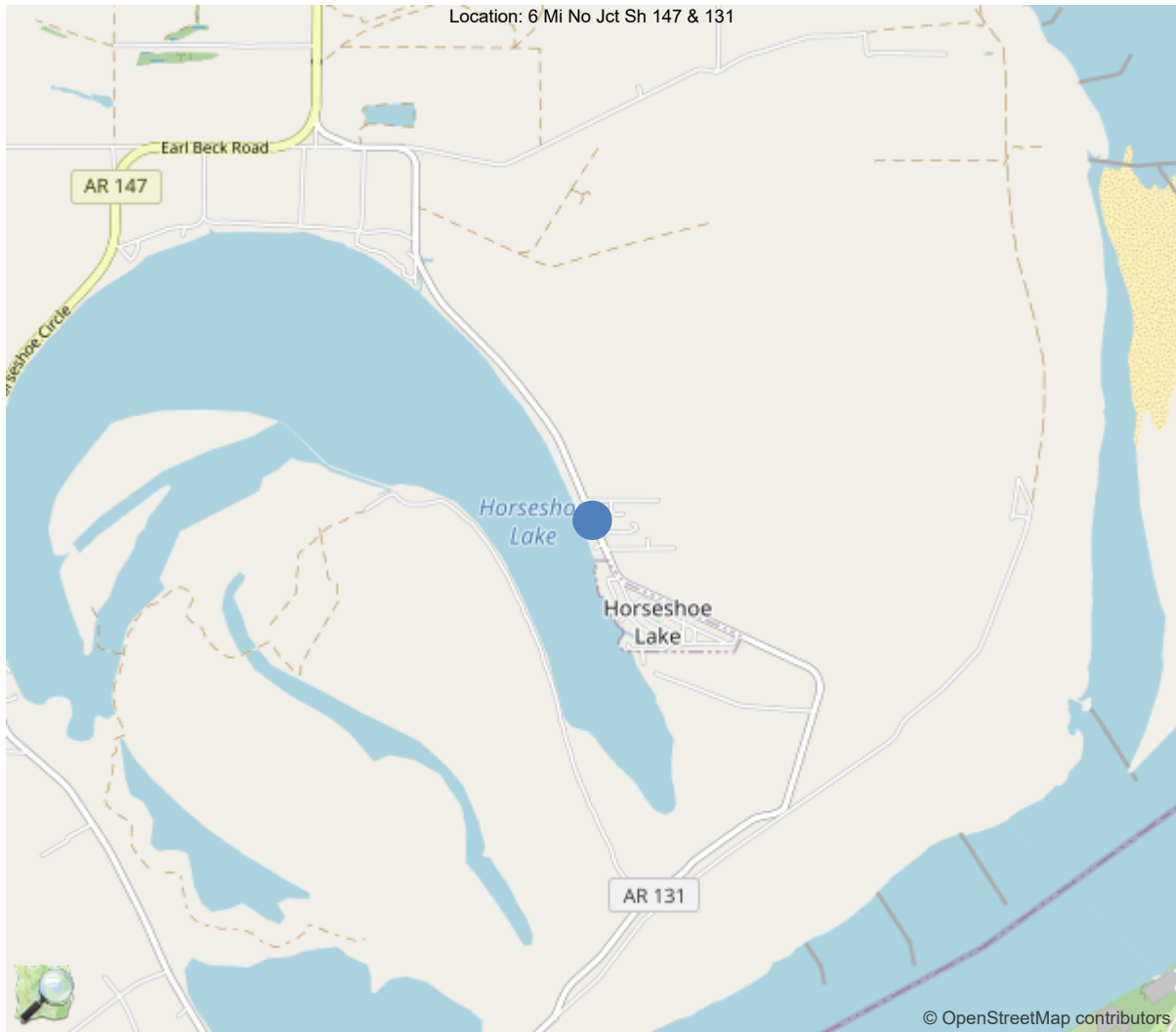
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	36		
Code 9 (31 Tons)	41		
Code 5 (40 Tons)	51		

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



34.92072, -90.31353



Asset #06023(Routine, Underwater type 2)

Sh-131/Sec-2/L6.10 over Zanone Bayou

Location: 6 Mi No Jct Sh 147 & 131

Team Lead: Drew Melton Inspection Date: 02/13/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06023
(5) Inventory Route	1
(2) Highway Agency District	01 - District 01
(3) County Code	35 - Crittenden County
(4) Place Code	0
(6) Features Intersected	Zanone Bayou
(7) Facility Carried	Sh-131/Sec-2/L6.10
(9) Location	6 Mi No Jct Sh 147 & 131
(11) Mile Point	6.1 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.92072
(17) Longitude	-90.31353
(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	1984
(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	820
(30) Year of ADT	2018
(109) Truck ADT	4 %
(19) Bypass, Detour Length	14 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	120 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	28 ft
(52) Deck Width Out to Out	30.8 ft
(32) Approach Roadway Width (W/Shoulders)	24 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	28 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	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	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	56
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	33
(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	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined to
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	989
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	02/13/2024		
(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 #06023(Routine, Underwater type 2)

Sh-131/Sec-2/L6.10 over Zanone Bayou

Location: 6 Mi No Jct Sh 147 & 131

Team Lead: Drew Melton Inspection Date: 02/13/2024

General Observation

Drawing numbers: 26117-20.

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

Deck is a slab so deck and superstructure are rated the same. Deck surface has a thin overly with areas that are failing. Soffit/under surface has one delaminated area.

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

Superstructure is a slab so deck and superstructure are rated the same. Superstructure has no note worthy defects.

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

Substructure is in good condition with light abrasion to piles.

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 has good alignment with structure. Banks are slumping were water hits the banks. Channel has some vegetation and debris restricting water flow rate.

A-55 - Deck Washing Needed (Y)

Gutters are full of dirt and debris partly clogging scuppers.

A-63 - Missing/Incorrect Log Mile Signage (Y)

Incorrect log mile sign, should now read 6.1.

A-64 - Vegetation Removal Requested (Y)

Abutment #1 both sides have vegetation growing beside and under bridge.

B.C.05 Bridge Railing Condition Rating (8 - VERY GOOD - Some inherent defects.)

Bridge rails are in very good condition with no note worthy defects.

B.C.06 Bridge Railing Transitions Condition Rating (8 - VERY GOOD - Some inherent defects.)

Transitions are in very good condition with no note worthy defects.

B.C.08 Bridge Joints Condition Rating (7 - GOOD - Some minor defects.)

Joints are in good condition with joint material having weathering and cracking with partial covering with overlay.

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

Abutment banks are scoured where water used to hit shoreline.



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Location: 6 Mi No Jct Sh 147 & 131

Team Lead: Drew Melton Inspection Date: 02/13/2024

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3696	3694	2	0	0
1080	Delamination/Spall/Patched Area	SF	2	0	2	0	0
510	Wearing Surfaces	SF	2880	2875	0	0	5
3230	Effectiveness (Wearing Surface)	SF	5	0	0	0	5
(38) Span #2 soffit/under surface has a 2' delaminated area left side near mid span. Span #3 wearing surface has two tire marks to bare deck. Span #4 center has 6" spot with no overlay. Wearing surface has 2' wide full length of bridge not overlaid.							
215	Reinforced Concrete Abutment	LF	75	75	0	0	0
227	Reinforced Concrete Pile	EA	15	5	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227) Bents #2,3 piles have light abrasion with no loose aggregate							
234	Reinforced Concrete Pier Cap	LF	93	93	0	0	0
301	Pourable Joint Seal	LF	155	0	0	155	0
2350	Debris Impaction	LF	155	0	0	155	0
(301) Joints are weathered and cracked with partial covering with overlay.							
321	Reinforced Concrete Approach Slab	SF	762	762	0	0	0
510	Wearing Surfaces	SF	690	690	0	0	0
(321) Approach slabs have two strips 1' wide by 18' long that is not overlaid.							
331	Reinforced Concrete Bridge Railing	LF	240	240	0	0	0



Side view-elevation



Typical soffit/under surface



Typical deck



Abutment #1 slope



02/13/2024

Abutment #2 slope



02/13/2024

Channel under bridge



02/13/2024

Channel left side



02/13/2024

Channel right side



Top view-inventory



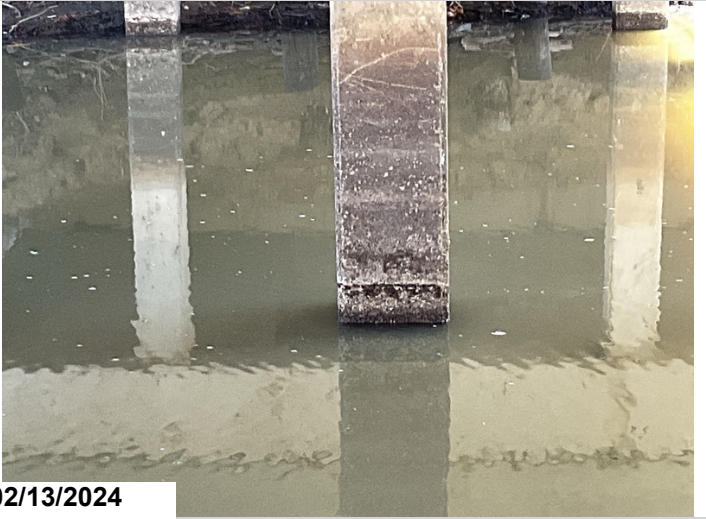
Typical debris in gutters



Typical log mile sign



Trees and vegetation growing beside and under bridge



Typical abrasion on piles



Typical joint



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Location: 6 Mi No Jct Sh 147 & 131

Team Lead: Drew Melton **Inspection Date:** 02/13/2024

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	Yes
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	Yes
A-64 - Vegetation Removal Requested	Yes

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed (Yes)

Gutters are full of dirt and debris partly clogging scuppers.



Typical debris in gutters

A-56 - Joint Cleaning/Flushing Needed

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 (Yes)

Incorrect log mile sign, should now read 6.1.



Typical log mile sign

A-64 - Vegetation Removal Requested (Yes)

Abutment #1 both sides have vegetation growing beside and under bridge.



Trees and vegetation growing beside and under bridge



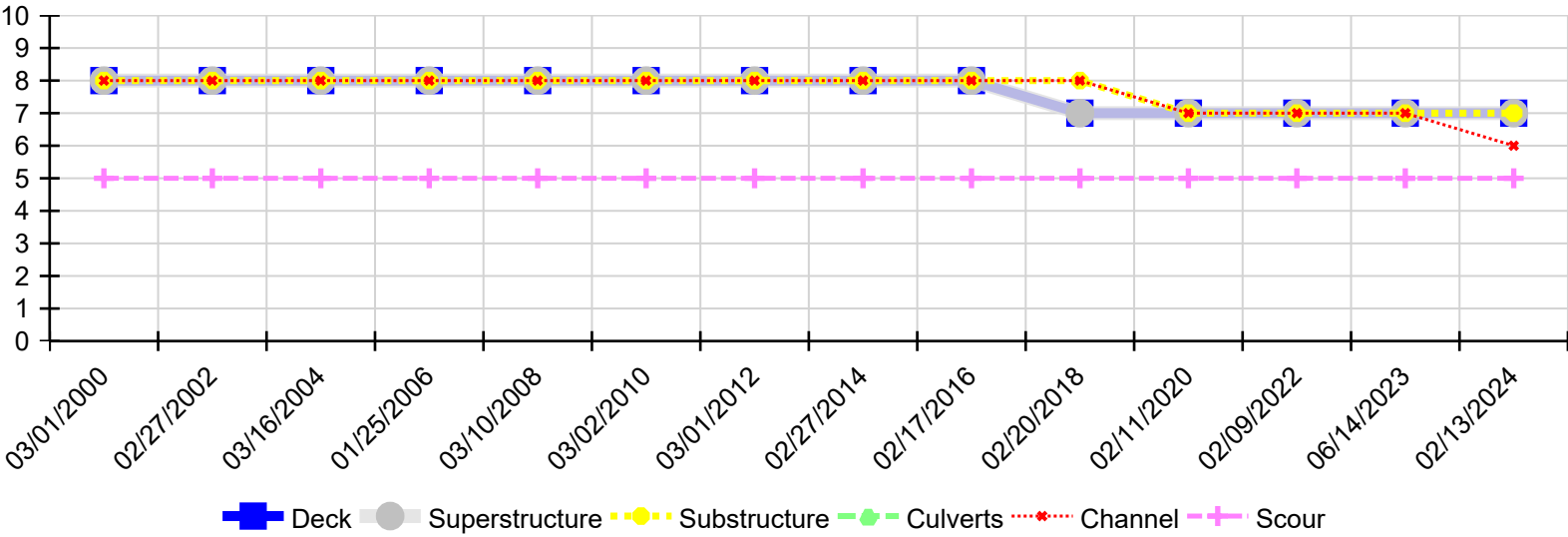
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
02/13/2024	7	7	7	N	6	5
06/14/2023	7	7	7	N	7	5
02/09/2022	7	7	7	N	7	5
02/11/2020	7	7	7	N	7	5
02/20/2018	7	7	8	N	8	5
02/17/2016	8	8	8	N	8	5
02/27/2014	8	8	8	N	8	5
03/01/2012	8	8	8	N	8	5
03/02/2010	8	8	8	N	8	5
03/10/2008	8	8	8	N	8	5
01/25/2006	8	8	8	N	8	5
03/16/2004	8	8	8	N	8	5
02/27/2002	8	8	8	N	8	5
03/01/2000	8	8	8	N	8	5

BRIDGE #06023
CHANNEL CROSS SECTION

READINGS TAKEN FROM TOP OF PARAPET WALL.

