



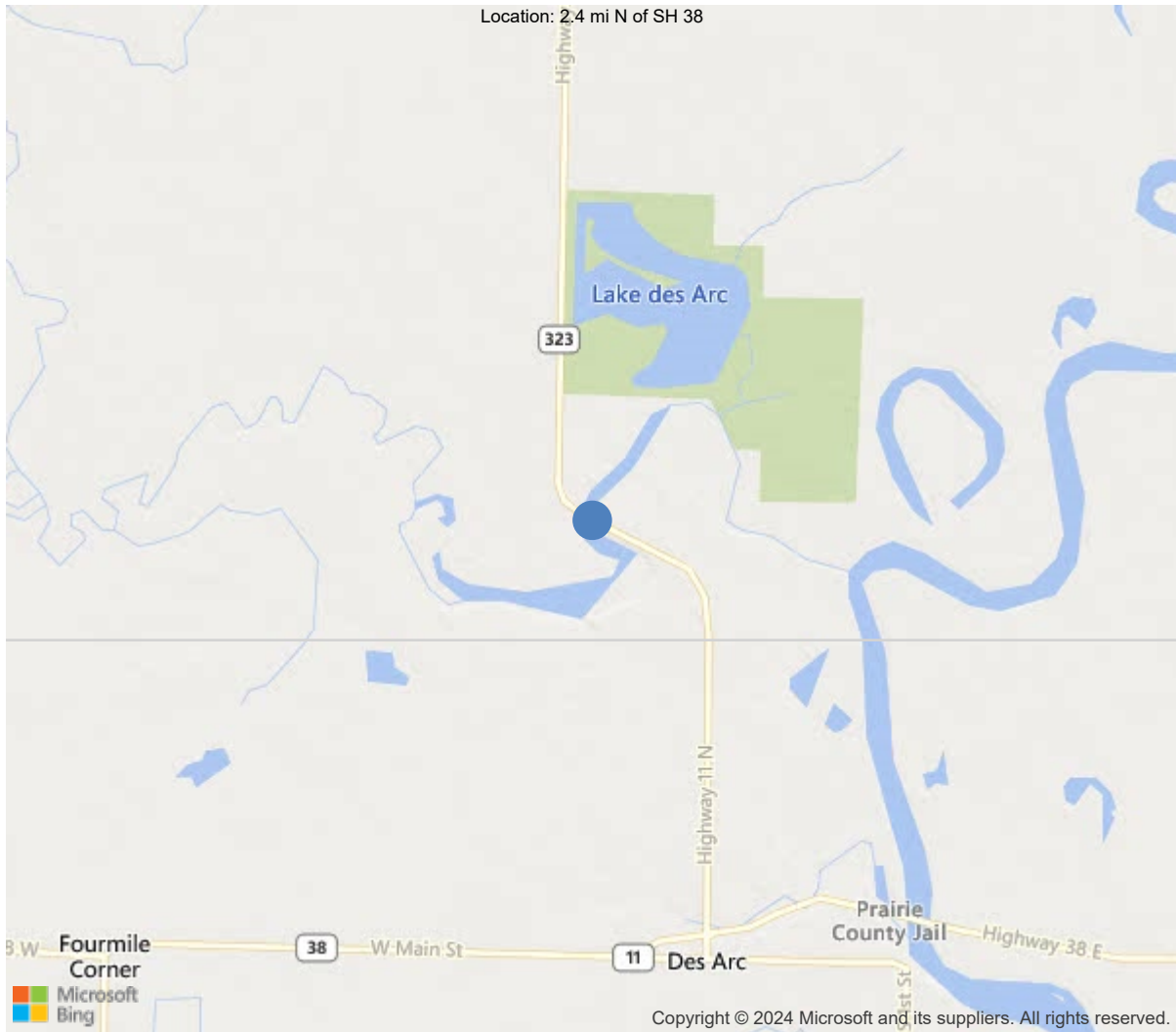
Latitude:35.00863, Longitude:-91.52028

Route:11 Section:10 Log:2.38

Arnold Road ID:59x11x10xA, Arnold Log mile:2.368

District 06, 117 - Prairie County

Owner: 1 - State Highway Agency





Asset #06813(Routine)

SH 11 Log 2.38 over Bayou Des Arc

Location: 2.4 mi N of SH 38

Team Lead: Bryan Saunders, Inspection Date: 06/28/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06813
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	117 - Prairie County
(4) Place Code	0
(6) Features Intersected	Bayou Des Arc
(7) Facility Carried	SH 11 Log 2.38
(9) Location	2.4 mi N of SH 38
(11) Mile Point	2.38 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000001100
(16) Latitude	35.00863
(17) Longitude	-91.52028
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
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	5
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2002
(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	1800
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	115 ft
(49) Structure Length	505 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43 ft
(32) Approach Roadway Width (W/Shoulders)	24 ft
(33) Bridge Median	0 - No median
(34) Skew	20 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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	6 - Rural 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	7
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	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	6
(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	1 - Inspected feature meets current
(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	
(114) Future ADT	1994
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/28/2023		
(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 **#06813**(Routine)

District: 06, **County:** 117 - Prairie County

Team Lead: Bryan Saunders, **Inspection Date:** 06/28/2023

General Observation

AHTD job R60148, 41493

Logged north bound.

Channel profile added 6/21

Team Lead: Bryan Saunders, **Inspection Date:** 06/28/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	21795	19780	2015	0	0
1120	Efflorescence/Rust Staining	SF	240	0	240	0	0
1130	Cracking (RC and Other)	SF	1775	0	1775	0	0
(12) Small longitudinal and transverse cracks in all spans Cracks with efflorescence in overhang .							
107	Steel Open Girder/Beam	LF	2525	2525	0	0	0
515	Steel Protective Coating	SF	29038	0	29038	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	29038	0	29038	0	0
210	Reinforced Concrete Pier Wall	LF	44	44	0	0	0
215	Reinforced Concrete Abutment	LF	145	140	5	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(215) small cracks in the abutment							
234	Reinforced Concrete Pier Cap	LF	162	151	11	0	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
(234) Vertical cracks in the cap of Bent 2, 3, 4 and 5 at the edges of the pier wall . (0.012 to 0.015 inch).							
303	Assembly Joint with Seal	LF	85	85	0	0	0
310	Elastomeric Bearing	EA	30	30	0	0	0
331	Reinforced Concrete Bridge Railing	LF	1015	722	293	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
1130	Cracking (RC and Other)	LF	283	0	283	0	0
7000	Damage	LF	4	0	4	0	0
(331) small vertical cracks Contact spall in the bridge rail at bent 6 left side							

Team Lead: Bryan Saunders, **Inspection Date:** 06/28/2023

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	21795	19780	2015	0	0
1120	Efflorescence/Rust Staining	SF	240	0	240	0	0
1130	Cracking (RC and Other)	SF	1775	0	1775	0	0
(12) Small longitudinal and transverse cracks in all spans Cracks with efflorescence in overhang .							



Asset #06813(Routine)

SH 11 Log 2.38 over Bayou Des Arc

Location: 2.4 mi N of SH 38

Team Lead: Bryan Saunders, Inspection Date: 06/28/2023

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	2525	2525	0	0	0
515	Steel Protective Coating	SF	29038	0	29038	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	29038	0	29038	0	0

Team Lead: Bryan Saunders, **Inspection Date:** 06/28/2023

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
210	Reinforced Concrete Pier Wall	LF	44	44	0	0	0
215	Reinforced Concrete Abutment	LF	145	140	5	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(215) small cracks in the abutment							
234	Reinforced Concrete Pier Cap	LF	162	151	11	0	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
(234) Vertical cracks in the cap of Bent 2, 3, 4 and 5 at the edges of the pier wall . (0.012 to 0.015 inch).							



Elevation



Approach looking north



Deck view



Soffit view



Downstream



Upstream



Bent 1 bearings



Contact spall in the bridge rail at bent 6 abutment



Joint at bent 6



Transverse cracks in the deck up to .020"



Joint at bent 1



Bent 4



Asset #06813(Routine)

SH 11 Log 2.38 over Bayou Des Arc

Location: 2.4 mi N of SH 38

Team Lead: Bryan Saunders, Inspection Date: 06/28/2023

Maintenance Needs

Date Reported: 06/16/2021

Priority: C - Important

Type of Work: Repair (General)

Status: Forward State

Component:

Deficiency Description

Northwest guardrail has traffic damage

Remarks





Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	Yes
A-62 - Hydro and LMC Advised	No
A-63 Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	Yes



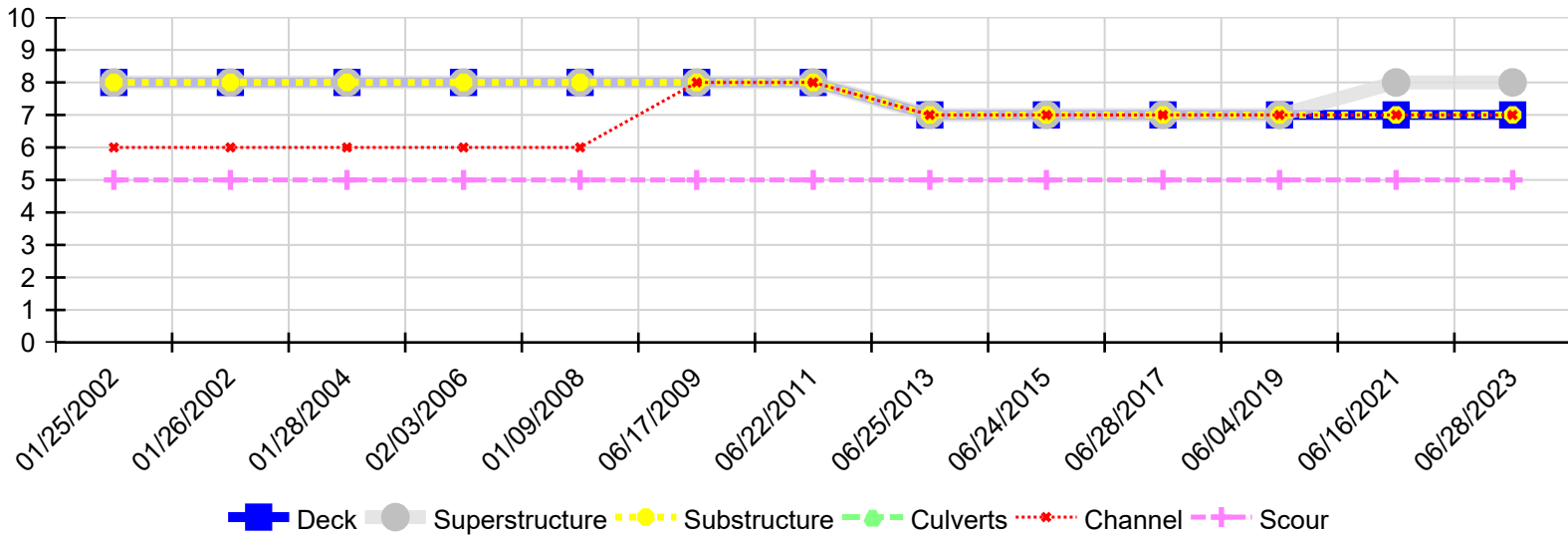
Asset #06813(Routine)

SH 11 Log 2.38 over Bayou Des Arc

Location: 2.4 mi N of SH 38

Team Lead: Bryan Saunders, Inspection Date: 06/28/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/28/2023	7	8	7	N	7	5
06/16/2021	7	8	7	N	7	5
06/04/2019	7	7	7	N	7	5
06/28/2017	7	7	7	N	7	5
06/24/2015	7	7	7	N	7	5
06/25/2013	7	7	7	N	7	5
06/22/2011	8	8	8	N	8	5
06/17/2009	8	8	8	N	8	5
01/09/2008	8	8	8	N	6	5
02/03/2006	8	8	8	N	6	5
01/28/2004	8	8	8	N	6	5
01/26/2002	8	8	8	N	6	5
01/25/2002	8	8	8	N	6	5