



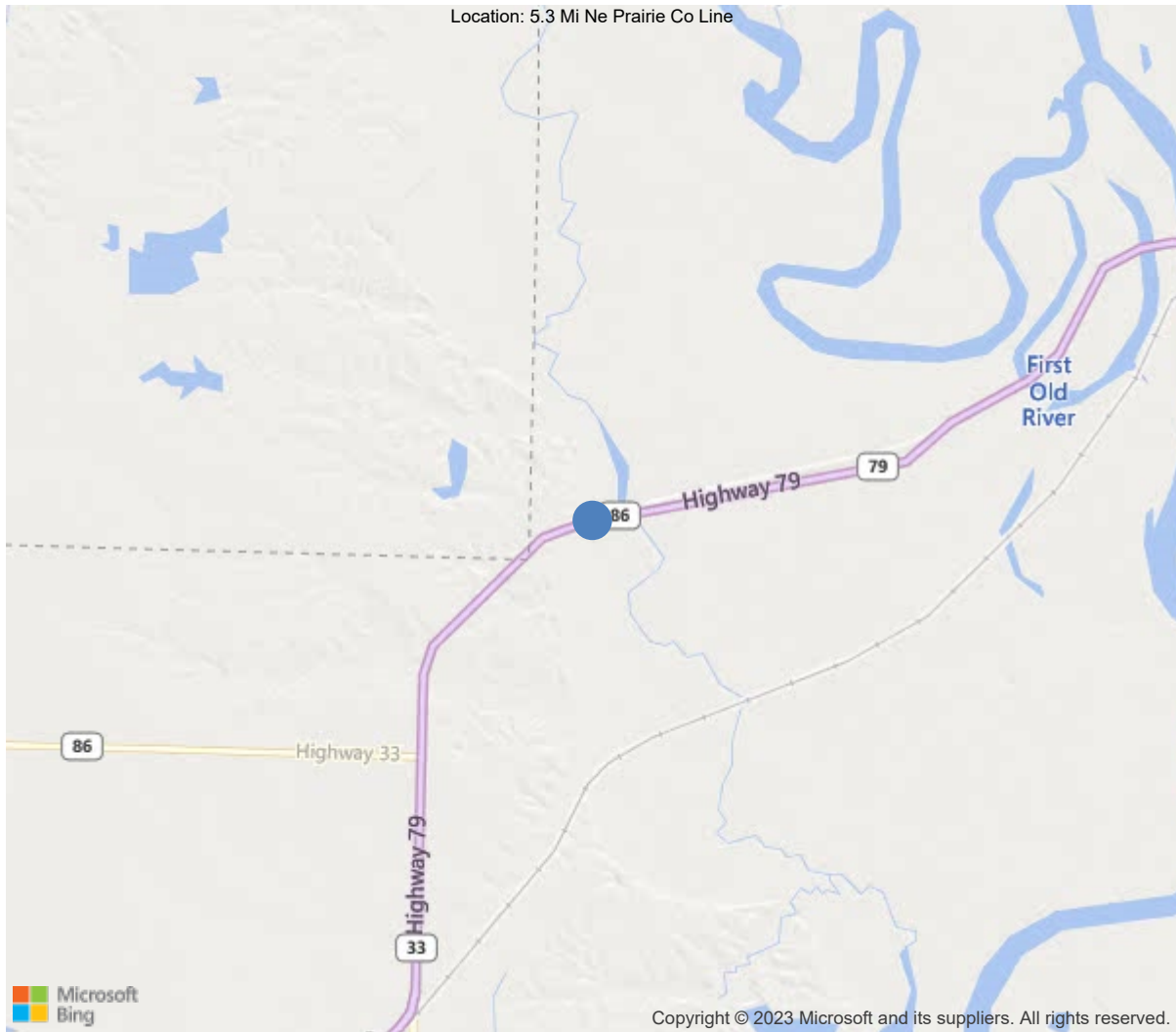
Latitude:34.66860, Longitude:-91.36902

Route:79 Section:13 Log:5.32

Arnold Road ID:48x79x13xA, Arnold Log mile:5.335

District 01, 95 - Monroe County

Owner: 1 - State Highway Agency



34.66860, -91.36902



Asset #06829(Routine, Underwater type 2)

Us-79/Sec-13/L5.30 over Bayou Roc Roe

Location: 5.3 Mi Ne Prairie Co Line

Team Lead: Drew Melton, Inspection Date: 09/12/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06829
(5) Inventory Route	1
(2) Highway Agency District	01 - District 01
(3) County Code	95 - Monroe County
(4) Place Code	13990
(6) Features Intersected	Bayou Roc Roe
(7) Facility Carried	Us-79/Sec-13/L5.30
(9) Location	5.3 Mi Ne Prairie Co Line
(11) Mile Point	5.32 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.668598
(17) Longitude	-91.369019
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	62
Material	6 - Prestressed concrete 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	32
(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	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2012
(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	3400
(30) Year of ADT	2019
(109) Truck ADT	22 %
(19) Bypass, Detour Length	41 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	77 ft
(49) Structure Length	2466.2 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	43.2 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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 exis
(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	4 - Historical significance is
CONDITION	
(58) Deck	6
(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	51
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	30
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	7
(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	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	5200
(115) Year of Future ADT	2029

INSPECTIONS *			
(90) Inspection Date	09/12/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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 #06829(Routine, Underwater type 2)

District: 01, County: 95 - Monroe County

Team Lead: Drew Melton, Inspection Date: 09/12/2022

58 - Deck (6)

9/9/2020-Lowered deck from 7 to 6 due to spacing of deck cracks.

61 - Channel/Channel Protection (7)

09-12-2022 lowered channel from 8 to 7 due to minor restrictions from vegetation.

Channel banks have some vegetation and trees with some trees growing in channel minor restrictions due to trees in channel.

A-46 - Asset Files

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General Observation (False)

Drawing numbers: 41868-70,41879.

Abutment #2 right side has trees growing onto roadway.

Abutment #2 left approach rail has 2 locations of collision damage.

Abutment #2 right side has trees growing onto roadway.

[illegible]

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
331	Reinforced Concrete Bridge Railing	LF	4932	4926	6	0	0
7000	Damage	LF	6	0	6	0	0
(331) Rails have vertical cracks spaced three feet apart some with light efflorescence. Left bridge rail at bent #32 has a few scraps for 6'.							



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Us-79/Sec-13/L5.30 over Bayou Roc Roe

Location: 5.3 Mi Ne Prairie Co Line

Team Lead: Drew Melton, Inspection Date: 09/12/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	106346	75041	31302	3	0
1080	Delamination/Spall/Patched Area	SF	12	0	9	3	0
1120	Efflorescence/Rust Staining	SF	3084	0	3084	0	0
1130	Cracking (RC and Other)	SF	28109	0	28109	0	0
1190	Abrasion/Wear (PSC/RC)	SF	100	0	100	0	0
(12) Each span has open transverse cracks spaced four feet. Each span has four to five longitudinal cracks. Soffit-under surface over hangs have open transverse cracks with light efflorescence. Deck Abutment #1 span #1 left lane has two 1' shallow spalls that have been filled with asphalt. Right lane has 1' shallow spall/delaminated area. Deck shoulders have areas that have some poorly finished concrete with coarse aggregate exposed. Span #14 has 3 square feet of sound repair. Span #15 has 1 square foot of sound repair. Span #16 has 1 square foot of sound repair. Span #17 has 1 square foot of sound repair. Span #23 has 2 square feet of sound repair. Span #26 has 2 square feet of sound repair.							

58 - Deck (6)

Comment: 9/9/2020-Lowered deck from 7 to 6 due to spacing of deck cracks.

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
109	Prestressed Concrete Open Girder/Beam	LF	14784	14784	0	0	0
(109) Concrete diaphragms on inside girders except at expansion joints have delaminations and shallow spalls at most locations up to one foot no rebar.							



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Location: 5.3 Mi Ne Prairie Co Line

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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	62	62	0	0	0
215	Reinforced Concrete Abutment	LF	166	158	8	0	0
1120	Efflorescence/Rust Staining	LF	8	0	8	0	0
(215) VERTICAL HAIRLINE CRACKS WITH EFFLORESCENCE							
234	Reinforced Concrete Pier Cap	LF	1287	1287	0	0	0

61 - Channel/Channel Protection (7)

Comment: 09-12-2022 lowered channel from 8 to 7 due to minor restrictions from vegetation.

Channel banks have some vegetation and trees with some trees growing in channel minor restrictions due to trees in channel.



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Location: 5.3 Mi Ne Prairie Co Line

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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Side view-elevation



Asset #06829(Routine, Underwater type 2)

Us-79/Sec-13/L5.30 over Bayou Roc Roe

Location: 5.3 Mi Ne Prairie Co Line

Team Lead: Drew Melton, **Inspection Date:** 09/12/2022

Maintenance Needs

Date Reported: 09/22/2016
Priority: D- Routine
Type of Work: Repair (General)
Status: Monitor
Component: Element

Deficiency Description

Approach slabs have sealed and mainly unsealed cracks.

Remarks



Typical approach slab crack



Abutment #1 approach slab



Abutment #2 approach slab

Date Reported: 09/19/2018
Priority: C - Important
Type of Work: (Inactive) (Inactive) 1 - Clean
Status: Monitor
Component: Channel

Deficiency Description

Abutment #2 right side has trees growing onto roadway.

Remarks



Abutment #2 right side has trees growing onto roadway.



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Us-79/Sec-13/L5.30 over Bayou Roc Roe

Location: 5.3 Mi Ne Prairie Co Line

Team Lead: Drew Melton, **Inspection Date:** 09/12/2022

Date Reported: 09/19/2018
Priority: C - Important
Type of Work: Repair (General)
Status: Monitor
Component: Element

Deficiency Description

Each span has open transverse cracks spaced four feet.
Each span has four to five longitudinal cracks.

Remarks



Typical transverse deck crack



Typical deck



Typical longitudinal deck crack.



Typical transverse deck crack.

Date Reported: 09/11/2020
Priority: C - Important
Type of Work: Repair (General)
Status: Forward State
Component: Element

Deficiency Description

Deck Abutment #1 span #1 left lane has two 1' shallow spalls that have been filled with asphalt. Right lane has 1' shallow spall/delaminated area.

Remarks



Deck Abutment #1 span #1 left lane has two 1' shallow spalls that have been filled with asphalt. Right lane has 1' shallow spall/delaminated area.

Date Reported: 09/12/2022
Priority: D- Routine
Type of Work: Repair (General)
Status: Open
Component: Approach

Deficiency Description

Abutment #2 left approach rail has 2 locations of collision damage.

Remarks



Abutment #2 left approach rail has 2 locations of collision damage.



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Location: 5.3 Mi Ne Prairie Co Line

Team Lead: Drew Melton, **Inspection Date:** 09/12/2022

Routine Maintenance

Check Box Maintenance Items

Data Field	Value
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 - Hydo and LMC Advised	



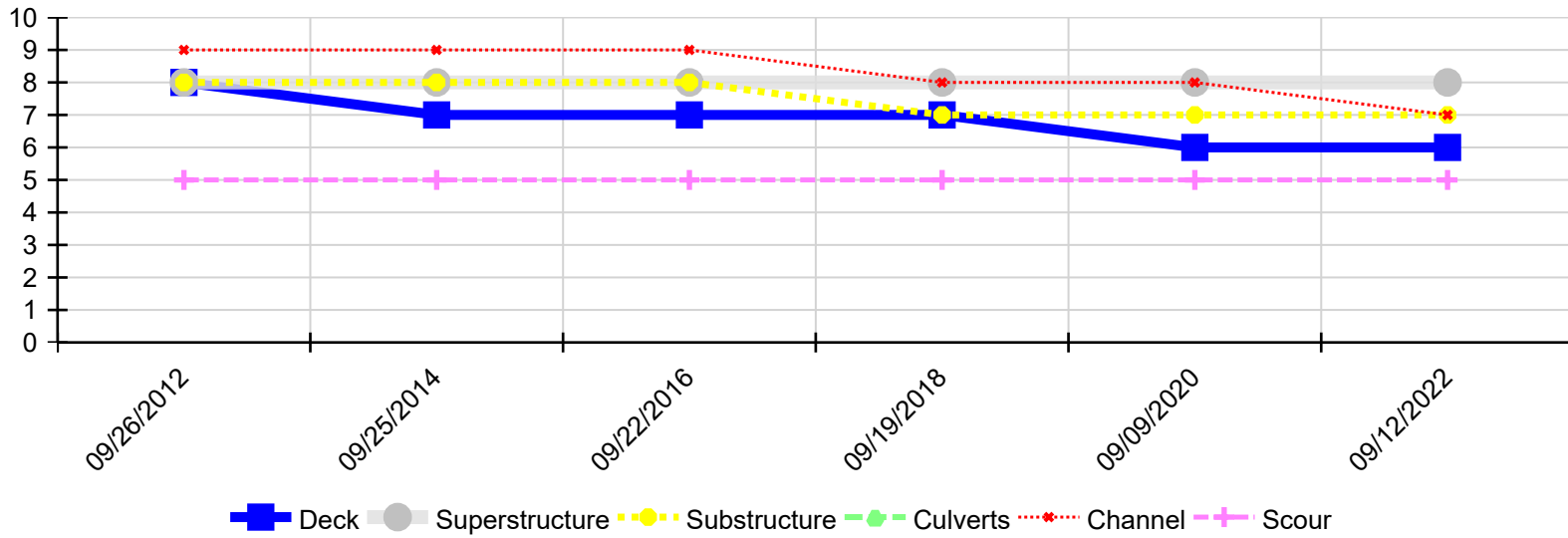
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/12/2022	6	8	7	N	7	5
09/09/2020	6	8	7	N	8	5
09/19/2018	7	8	7	N	8	5
09/22/2016	7	8	8	N	9	5
09/25/2014	7	8	8	N	9	5
09/26/2012	8	8	8	N	9	5

Measurements Taken Top Of Rib

