



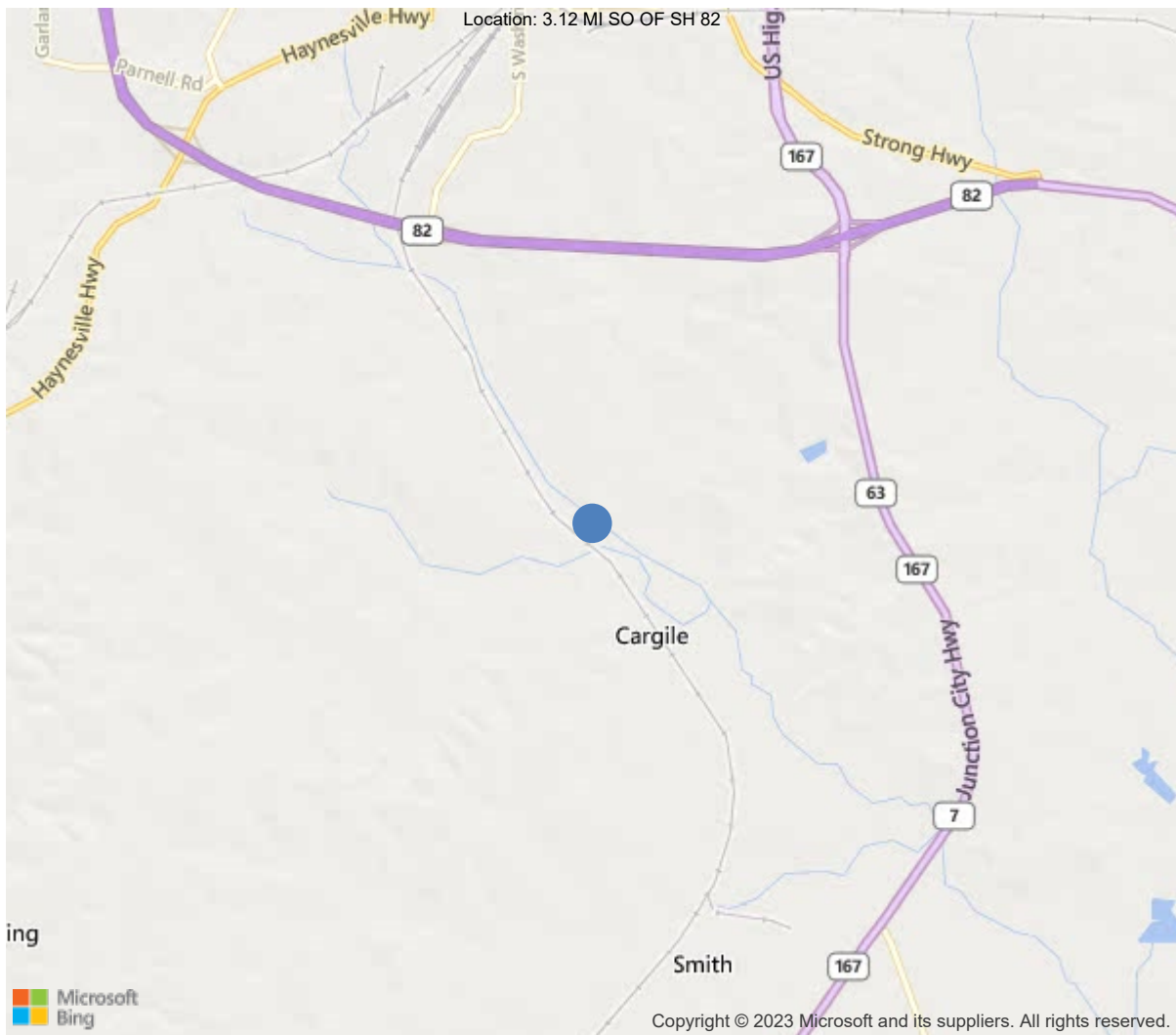
Latitude:33.16538, Longitude:-92.65702

Route:5 Section:00 Log:3.119

Arnold Road ID:70xSJACKSONAVEx1xA, Arnold Log mile:2.688

District 07, 139 - Union County

Owner: 2 - County Highway Agency



33.16538, -92.65702





Asset #22173(Routine, Underwater type 2)

Union CR 5 ZONE J over BAYOU DELOUTRE RELIEF

Location: 3.12 MI SO OF SH 82

Team Lead: Rickie Bratton, Inspection Date: 03/28/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	22173
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	139 - Union County
(4) Place Code	0
(6) Features Intersected	BAYOU DELOUTRE RELIEF
(7) Facility Carried	Union CR 5 ZONE J
(9) Location	3.12 MI SO OF SH 82
(11) Mile Point	3.119 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.165375
(17) Longitude	-92.657021
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	2000
(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	270
(30) Year of ADT	2018
(109) Truck ADT	5 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	57 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24.3 ft
(52) Deck Width Out to Out	25.2 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	25.6 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	8 - Rural Minor 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	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	8
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	45
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	27
(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	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	0 - Inspected feature does not meet
(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 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	590
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	03/28/2022		
(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>			



Asset #22173(Routine, Underwater type 2)

District: 07, County: 139

Team Lead: Rickie Bratton, Inspection Date: 03/28/2022

---

**58 - Deck (7)**

Span 1 unit 5 has spall in deck.

---

**A-46 - Asset Files**

-

---

**General Observation (False)**

03/01/2016 JPR -- Optimize Inspection Schedule.

logged north to south.

---



Asset #22173(Routine, Underwater type 2)

Union CR 5 ZONE J over BAYOU DELOUTRE RELIEF

Location: 3.12 MI SO OF SH 82

Team Lead: Rickie Bratton, Inspection Date: 03/28/2022

## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

### 58 - Deck (7)

Comment: Span 1 unit 5 has spall in deck.



**Asset #22173**(Routine, Underwater type 2)  
**Union CR 5 ZONE J over BAYOU DELOUTRE RELIEF**

**Location: 3.12 MI SO OF SH 82**

**Team Lead:** Rickie Bratton, **Inspection Date:** 03/28/2022

### Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Asset #22173(Routine, Underwater type 2)

Union CR 5 ZONE J over BAYOU DELOUTRE RELIEF

Location: 3.12 MI SO OF SH 82

Team Lead: Rickie Bratton, Inspection Date: 03/28/2022

### Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4





Elevation.



Span 1 unit 5 has spall in deck.



Roadway



Approach roadway Southbound.





Approach roadway looking south.



Elevation.



Profile

**Maintenance Needs**

**Date Reported:** 02/24/2012  
**Priority:** D- Routine  
**Type of Work:** (Inactive) (Inactive) 9 - None  
**Status:** Monitor  
**Component:**

---

**Deficiency Description**

End Post and terminal rail on Rt. side.  
Have collision damage.  
03/01/2016 JPR -- terminal rail is not attached to terminal anchor post.

**Remarks**

---



Rail end not attached right side abutment 2



Rail damage right side





**Asset #22173**(Routine, Underwater type 2)

**Union CR 5 ZONE J over BAYOU DELOUTRE RELIEF**

**Location: 3.12 MI SO OF SH 82**

**Team Lead:** Rickie Bratton, **Inspection Date:** 03/28/2022

## **Routine Maintenance**

Check Box Maintenance Items

<b>Data Field</b>	<b>Value</b>
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	





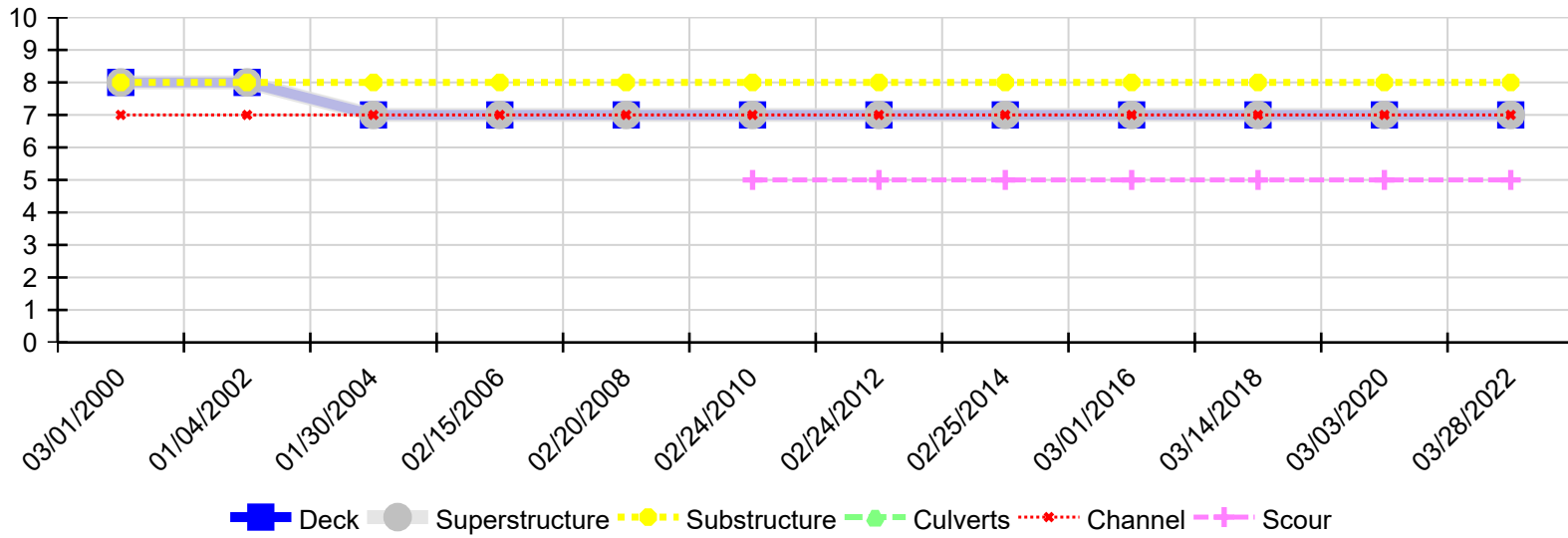
Asset #22173(Routine, Underwater type 2)

Union CR 5 ZONE J over BAYOU DELOUTRE RELIEF

Location: 3.12 MI SO OF SH 82

Team Lead: Rickie Bratton, Inspection Date: 03/28/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/28/2022	7	7	8	N	7	5
03/03/2020	7	7	8	N	7	5
03/14/2018	7	7	8	N	7	5
03/01/2016	7	7	8	N	7	5
02/25/2014	7	7	8	N	7	5
02/24/2012	7	7	8	N	7	5
02/24/2010	7	7	8	N	7	5
02/20/2008	7	7	8	N	7	N
02/15/2006	7	7	8	N	7	N
01/30/2004	7	7	8	N	7	N
01/04/2002	8	8	8	N	7	N
03/01/2000	8	8	8	N	7	N