



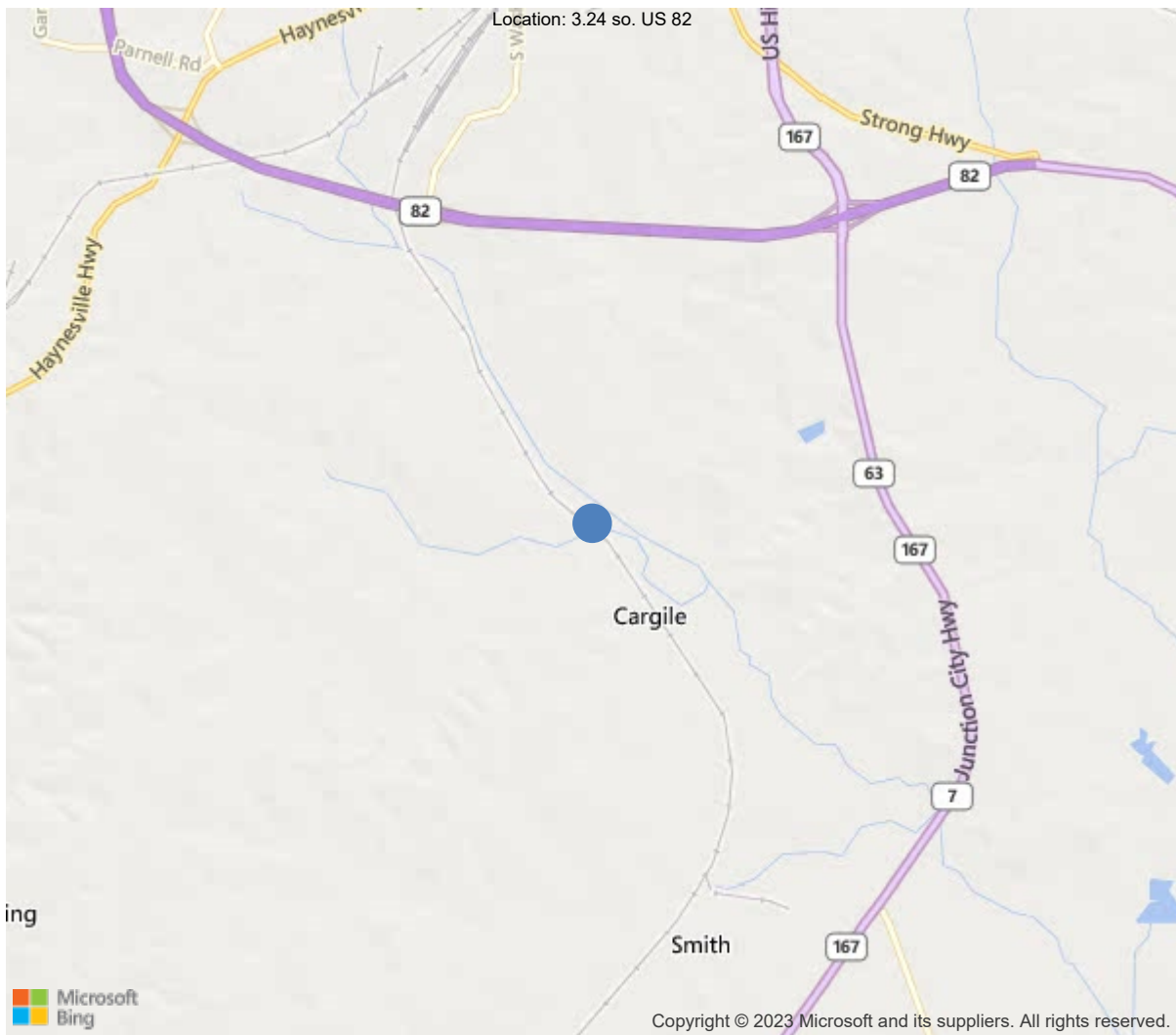
Latitude:33.16393, Longitude:-92.65693

Route:5 Section:00 Log:3.24

Arnold Road ID:70xSJACKSONAVEx1xA, Arnold Log mile:2.787

District 07, 139 - Union County

Owner: 2 - County Highway Agency



33.16393, -92.65693



Asset #22511 (Routine, Underwater type 2)

Union CR 5 ZONE J over creek

Location: 3.24 so. US 82

Team Lead: Rickie Bratton, Inspection Date: 02/14/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	22511
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	139 - Union County
(4) Place Code	0
(6) Features Intersected	creek
(7) Facility Carried	Union CR 5 ZONE J
(9) Location	3.24 so. US 82
(11) Mile Point	3.24 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.163933
(17) Longitude	-92.656929
(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	1
(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	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	270
(30) Year of ADT	2018
(109) Truck ADT	5 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	62 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	26.2 ft
(32) Approach Roadway Width (W/Shoulders)	24.9 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	24 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	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	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	8
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0 - Other or Unknown
(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	31
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	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	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	599
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	02/14/2022		
(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 #22511 (Routine, Underwater type 2)

District: 07, County: 139

Team Lead: Rickie Bratton, Inspection Date: 02/14/2022

58 - Deck (7)

02/26/2020 - MFF & JRT

-The grouted shear keys have deteriorated and are spalling out in between the channel beam units and over the intermediate bent

59 - Superstructure (7)

02/26/2020 - MFF & JRT

-Channel beam unit 7 has minor spalling on the bottom surface of the stems

Small contact spalls on various units.

60 - Substructure (8)

02/26/2020 - MFF & JRT (No apparent noteworthy deficiencies at this inspection)

A-46 - Asset Files

-

General Observation (False)

Logged north to south.



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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

58 - Deck (7)

Comment: 02/26/2020 - MFF & JRT

-The grouted shear keys have deteriorated and are spalling out in between the channel beam units and over the intermediate bent



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Superstructure

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				CS1	CS2	CS3	CS4

60 - Substructure (8)

Comment: 02/26/2020 - MFF & JRT (No apparent noteworthy deficiencies at this inspection)



Elevation



Elevation



Approach roadway



Inventory



Asset #22511(Routine, Underwater type 2)

Union CR 5 ZONE J over creek

Location: 3.24 so. US 82

Team Lead: Rickie Bratton, **Inspection Date:** 02/14/2022

Maintenance Needs



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Union CR 5 ZONE J over creek

Location: 3.24 so. US 82

Team Lead: Rickie Bratton, **Inspection Date:** 02/14/2022

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	



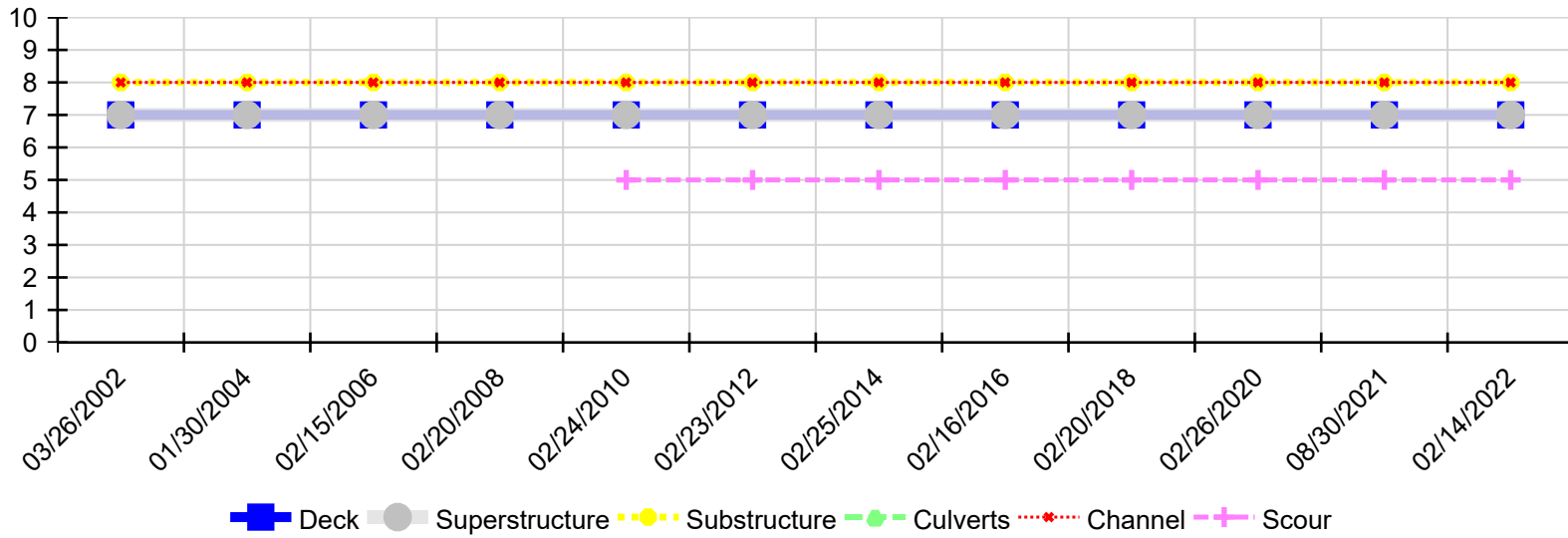
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
02/14/2022	7	7	8	N	8	5
08/30/2021	7	7	8	N	8	5
02/26/2020	7	7	8	N	8	5
02/20/2018	7	7	8	N	8	5
02/16/2016	7	7	8	N	8	5
02/25/2014	7	7	8	N	8	5
02/23/2012	7	7	8	N	8	5
02/24/2010	7	7	8	N	8	5
02/20/2008	7	7	8	N	8	N
02/15/2006	7	7	8	N	8	N
01/30/2004	7	7	8	N	8	N
03/26/2002	7	7	8	N	8	N