



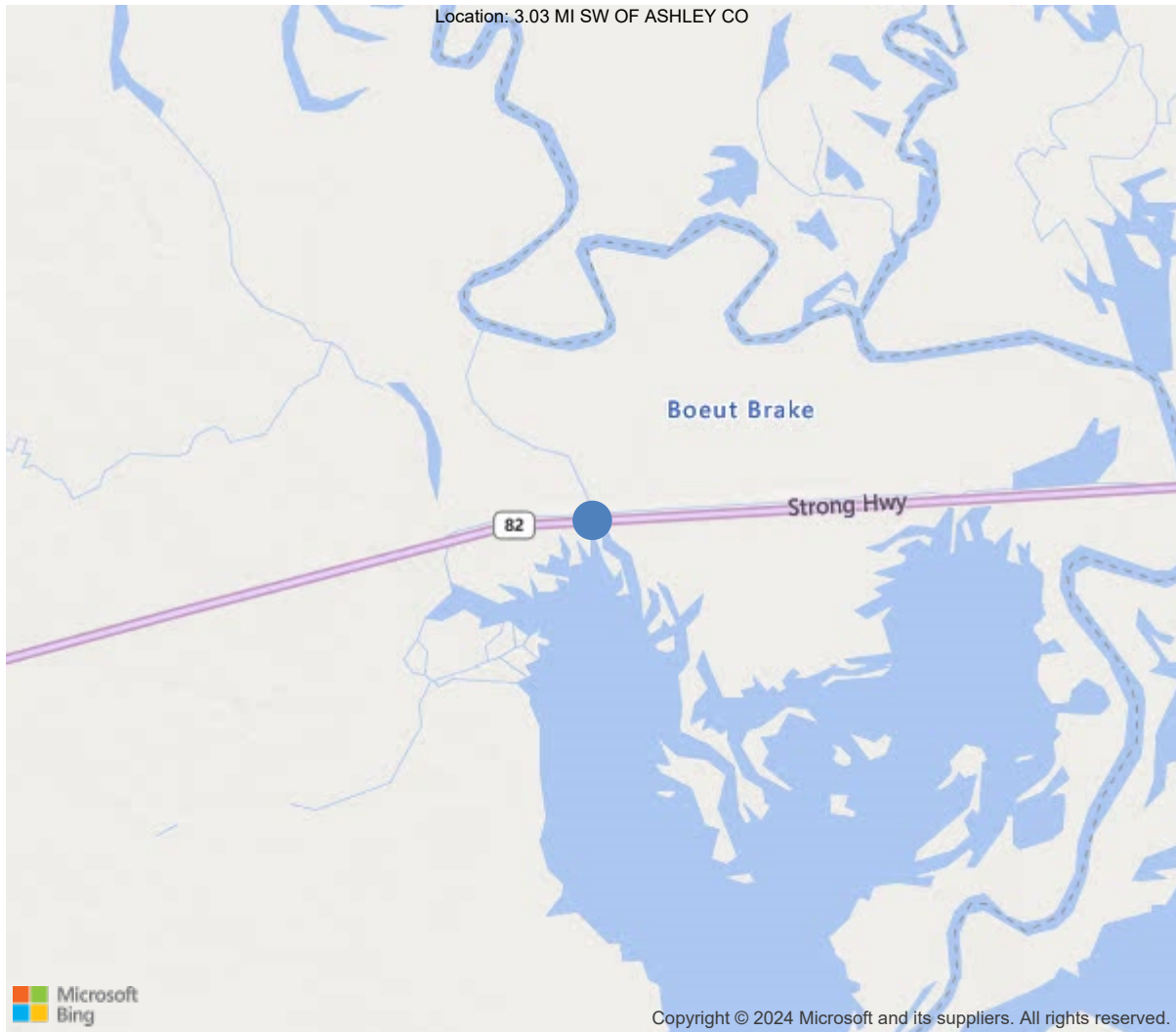
Latitude:33.14818, Longitude:-92.16084

Route:82 Section:07 Log:12.078

Arnold Road ID:70x82x7xA, Arnold Log mile:12.085

District 07, 139 - Union County

Owner: 1 - State Highway Agency



33.14818, -92.16084



Asset #06450(Routine)

US 82 S-7 LM 12.07 over BIG SLOUGH

Location: 3.03 MI SW OF ASHLEY CO

Team Lead: Rickie Bratton, Inspection Date: 03/08/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06450
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	139 - Union County
(4) Place Code	0
(6) Features Intersected	BIG SLOUGH
(7) Facility Carried	US 82 S-7 LM 12.07
(9) Location	3.03 MI SW OF ASHLEY CO
(11) Mile Point	12.078 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000082070
(16) Latitude	33.14818
(17) Longitude	-92.16084
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	52
Material	5 - Prestressed concrete *
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	7
(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	9 - Other
AGE AND SERVICE	
(27) Year Built	1997
(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	2800
(30) Year of ADT	2018
(109) Truck ADT	21 %
(19) Bypass, Detour Length	26 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	70 ft
(49) Structure Length	492 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	42.8 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	41 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	1
(26) Functional Class	2 - Rural Principal Arterial -
(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	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	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	8
(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	58
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	35
(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	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	3305
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/08/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	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 **#06450**(Routine)

District: 07, **County:** 139 - Union County

Team Lead: Rickie Bratton, **Inspection Date:** 03/08/2022

General Observation

Logged west to east.



Asset #06450(Routine)

US 82 S-7 LM 12.07 over BIG SLOUGH

Location: 3.03 MI SW OF ASHLEY CO

Team Lead: Rickie Bratton, Inspection Date: 03/08/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	19684	19558	126	0	0
1120	Efflorescence/Rust Staining	SF	126	0	126	0	0
(16) Deck has new wearing surface 03/16/2022. Soffit overhangs have scattered cracks with efflorescence.							
109	Prestressed Concrete Open Girder/Beam	LF	2953	2953	0	0	0
205	Reinforced Concrete Column	EA	24	24	0	0	0
215	Reinforced Concrete Abutment	LF	82	82	0	0	0
220	Reinforced Concrete Pile Cap/Footing	LF	228	228	0	0	0
227	Reinforced Concrete Pile	EA	40	0	40	0	0
1190	Abrasion/Wear (PSC/RC)	EA	40	0	40	0	0
(227) bents 2-6 piles have abrasion.							
234	Reinforced Concrete Pier Cap	LF	249	249	0	0	0
302	Compression Joint Seal	LF	344	338	3	3	0
2320	Seal Adhesion	LF	3	0	3	0	0
2330	Seal Damage	LF	3	0	0	3	0
(302) Bent 3 joint seal has areas of lost adhesion. Bent 4 joint seal torn.							
311	Movable Bearing	EA	42	42	0	0	0
313	Fixed Bearing	EA	42	42	0	0	0
321	Reinforced Concrete Approach Slab	SF	3024	2824	200	0	0
1130	Cracking (RC and Other)	SF	200	0	200	0	0
(321) Approach slabs have transverse cracks.							
331	Reinforced Concrete Bridge Railing	LF	984	984	0	0	0

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Deck

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16		Reinforced Concrete Top Flange	SF	19684	19558	126	0	0
1120		Efflorescence/Rust Staining	SF	126	0	126	0	0
(16) Deck has new wearing surface 03/16/2022. Soffit overhangs have scattered cracks with efflorescence.								



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
109	Prestressed Concrete Open Girder/Beam	LF	2953	2953	0	0	0



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	24	24	0	0	0
215	Reinforced Concrete Abutment	LF	82	82	0	0	0
220	Reinforced Concrete Pile Cap/Footing	LF	228	228	0	0	0
227	Reinforced Concrete Pile	EA	40	0	40	0	0
1190	Abrasion/Wear (PSC/RC)	EA	40	0	40	0	0
(227) bents 2-6 piles have abrasion.							
234	Reinforced Concrete Pier Cap	LF	249	249	0	0	0



Elevation.



Deck



Span 5 right side soffit overhang overview.



Deck overview.



Roadway



Approach roadway Eastbound.



Elevation.



Span 1, cracks in deck. Max 0.016



Joint 2, torn and filled with debris.



Deck overview.



Approach roadway looking east.



Profile



Bents 2&3 piles have abrasion, common bents 4,5,&6.



Bent 4 joint seal on left shoulder is torn.



East end approach slab has transverse cracks, common west end.

Maintenance Needs

Date Reported: 02/29/2012

Priority: D- Routine

Status: Monitor

Type of Work: (Inactive) (Inactive) 9 - None

Component:

Deficiency Description

Abutment 1, cap and masonry plate, Lt side

Dirt and debris on cap and against masonry plate, thus causing premature aging and rust.

Remarks



Abutment 1 cap and masonry plate are prematurely rusting due to dirt and debris built up on them.

Maintenance Needs

Date Reported: 02/29/2012

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Monitor

Component:

Deficiency Description

Abutment 2, girders # 2-3-4.
Anchor nuts missing.

Remarks



Abutment 2 girders 2, 3, and 4, anchor nuts missing.

Maintenance Needs

Date Reported: 02/29/2012

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 9 - None

Status: Monitor

Component:

Deficiency Description

Terminal end post, Left end from abutment 2.

Collision damage to terminal end post @ terminal end section.

Remarks



Terminal end post, collision damage.



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
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 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	



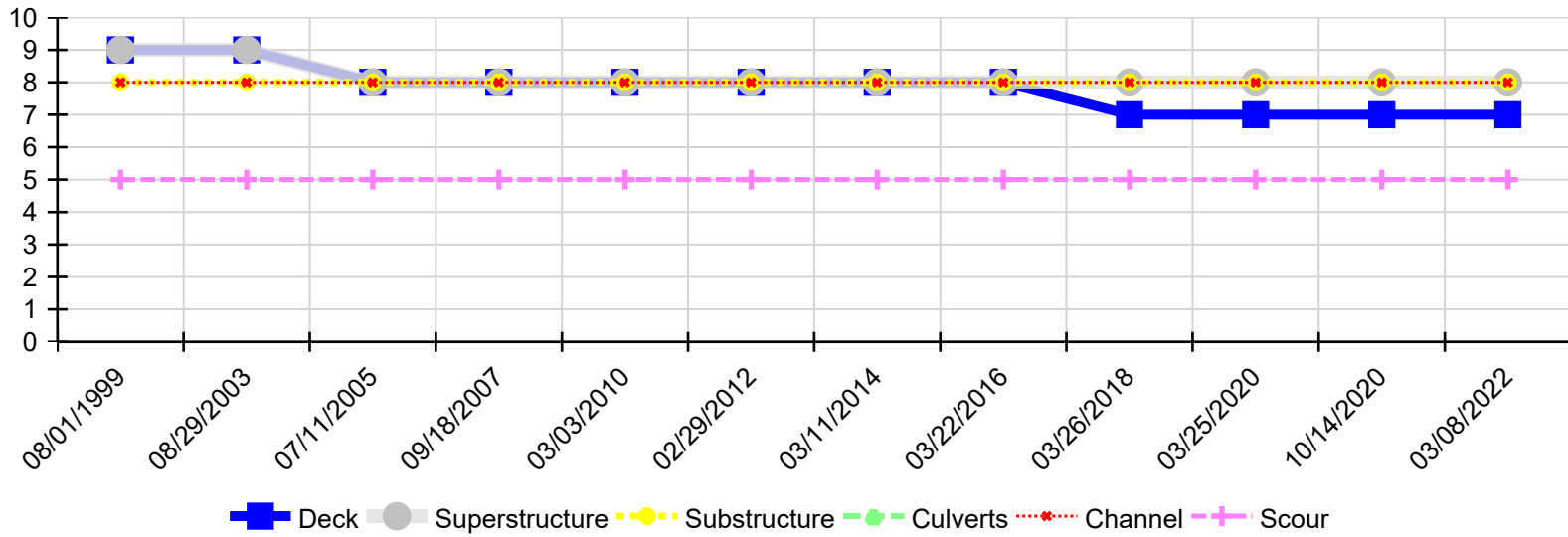
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/08/2022	7	8	8	N	8	5
10/14/2020	7	8	8	N	8	5
03/25/2020	7	8	8	N	8	5
03/26/2018	7	8	8	N	8	5
03/22/2016	8	8	8	N	8	5
03/11/2014	8	8	8	N	8	5
02/29/2012	8	8	8	N	8	5
03/03/2010	8	8	8	N	8	5
09/18/2007	8	8	8	N	8	5
07/11/2005	8	8	8	N	8	5
08/29/2003	9	9	8	N	8	5
08/01/1999	9	9	8	N	8	5