



Latitude:34.69872, Longitude:-92.09857

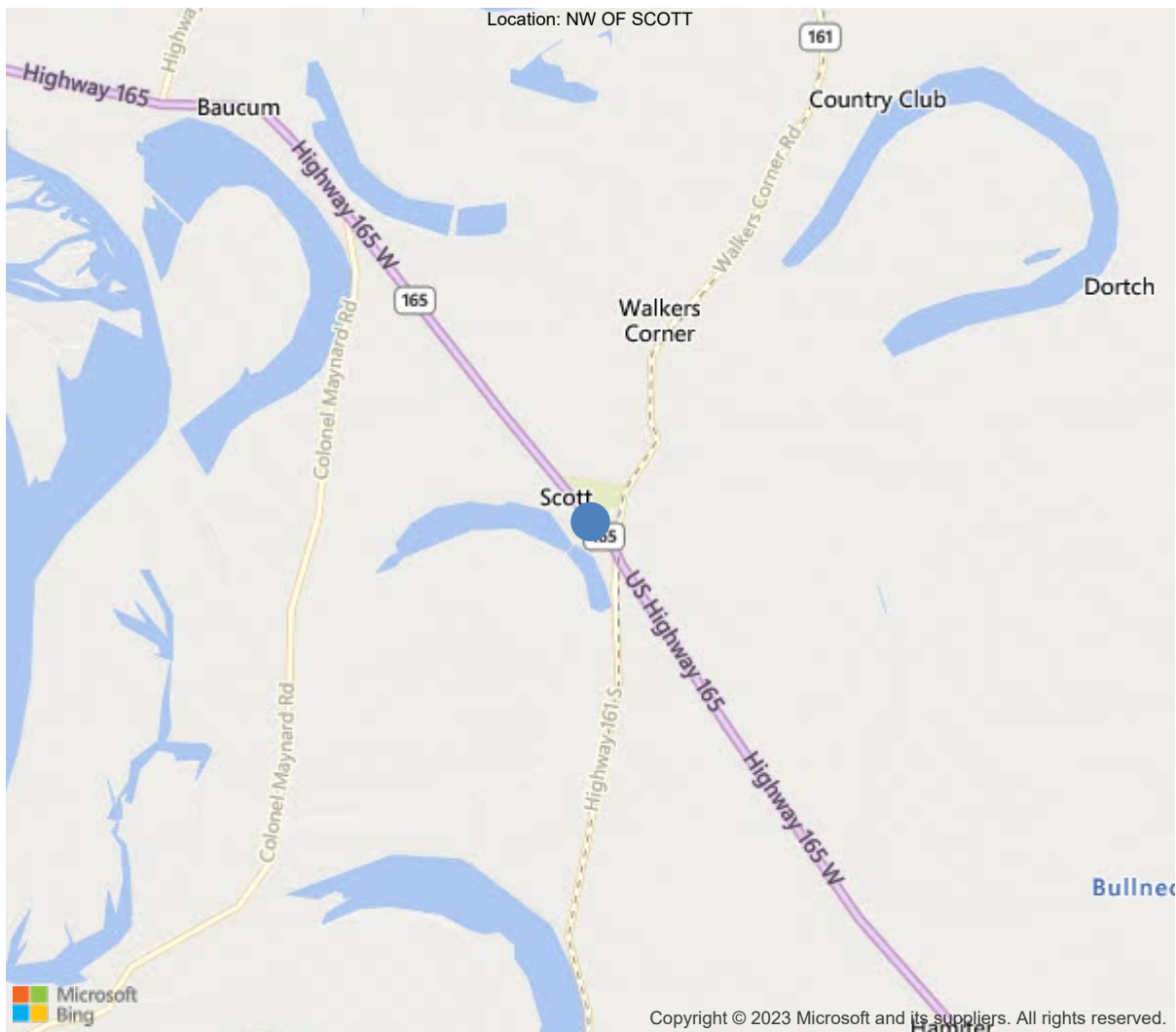
Route:165 Section:09 Log:0.18

Arnold Road ID:60x165x9xA, Arnold Log mile:0.179

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency





34.69872, -92.09857



Asset #02967 (Routine, Underwater type 2)

US 165 Log 0.18 over SCOTT BAYOU

Location: NW OF SCOTT

Team Lead: Chris Doggett, Inspection Date: 03/10/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02967
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	0
(6) Features Intersected	SCOTT BAYOU
(7) Facility Carried	US 165 Log 0.18
(9) Location	NW OF SCOTT
(11) Mile Point	0.18 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000165090
(16) Latitude	34.69872
(17) Longitude	-92.09857
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1 - Concrete
Type	1 - Slab
(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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1955
(106) Year Reconstructed	1982
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	7700
(30) Year of ADT	2018
(109) Truck ADT	8 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	125 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	44 ft
(52) Deck Width Out to Out	46.8 ft
(32) Approach Roadway Width (W/Shoulders)	44 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	45.6 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	1
(26) Functional Class	14 - Urban Other Principal Art
(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	7
(60) Substructure	7
(61) Channel & Channel Protection	5
(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	48
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	29
(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	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	9332
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	03/10/2022		
(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 **#02967** (Routine, Underwater type 2)

**District:** 06, **County:** 119 - Pulaski County

**Team Lead:** Chris Doggett, **Inspection Date:** 03/10/2022

#### **General Observation**

Job# 06233 Drawing# 25043 for layout

Logged north bound.

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#### **A-46 - Asset Files**

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5854	5311	543	0	0
1090	Exposed Rebar	SF	3	0	3	0	0
1120	Efflorescence/Rust Staining	SF	470	0	470	0	0
1130	Cracking (RC and Other)	SF	70	0	70	0	0
510	Wearing Surfaces	SF	5500	4945	555	0	0
3220	Crack (Wearing Surface)	SF	555	0	555	0	0
(38) Under side of deck has 3 longitude cracks with efflorescence staining for full length of structure and isolated areas of exposed reinforcing steel. Wearing surface has transverse cracks at joints and longitude cracks in wheel path.							
(510-38) Wearing surface has transverse cracks at joints and longitude cracks in wheel path.							
215	Reinforced Concrete Abutment	LF	95	63	0	32	0
1130	Cracking (RC and Other)	LF	32	0	0	32	0
(215) Horizontal cracks in the extensions on both abutments Both abutments have erosion.							
227	Reinforced Concrete Pile	EA	28	14	14	0	0
1190	Abrasion/Wear (PSC/RC)	EA	14	0	14	0	0
(227) Piles at bents 3 and 4 have light abrasion at water line.							
234	Reinforced Concrete Pier Cap	LF	190	163	27	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
1130	Cracking (RC and Other)	LF	21	0	21	0	0
(234) Caps have vertical/horizontal cracks with some having light efflorescence staining.							
301	Pourable Joint Seal	LF	187	0	0	187	0
2350	Debris Impaction	LF	187	0	0	187	0
(301) Joints have a asphalt overlay.							
331	Reinforced Concrete Bridge Railing	LF	250	250	0	0	0
(331) No noteworthy defects at this inspection.							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5854	5311	543	0	0
1090	Exposed Rebar	SF	3	0	3	0	0
1120	Efflorescence/Rust Staining	SF	470	0	470	0	0
1130	Cracking (RC and Other)	SF	70	0	70	0	0
510	Wearing Surfaces	SF	5500	4945	555	0	0
3220	Crack (Wearing Surface)	SF	555	0	555	0	0
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Asset #02967(Routine, Underwater type 2)

US 165 Log 0.18 over SCOTT BAYOU

Location: NW OF SCOTT

Team Lead: Chris Doggett, Inspection Date: 03/10/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
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## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	95	63	0	32	0
1130	Cracking (RC and Other)	LF	32	0	0	32	0
(215) Horizontal cracks in the extensions on both abutments Both abutments have erosion.							
227	Reinforced Concrete Pile	EA	28	14	14	0	0
1190	Abrasion/Wear (PSC/RC)	EA	14	0	14	0	0
(227) Piles at bents 3 and 4 have light abrasion at water line.							
234	Reinforced Concrete Pier Cap	LF	190	163	27	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
1130	Cracking (RC and Other)	LF	21	0	21	0	0
(234) Caps have vertical/horizontal cracks with some having light efflorescence staining.							





Asset #02967(Routine, Underwater type 2)

US 165 Log 0.18 over SCOTT BAYOU

Location: NW OF SCOTT

Team Lead: Chris Doggett, Inspection Date: 03/10/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
----------	-------------	-------	-------	-----	-----	-----	-----



Elevation



Bent 6: left end of slab has a spall with exposed rebar



Bent 6: left side of abutment with numerous cracks. Similar cracking to the right side. (Up to 0.060" in width)



Backside of bent 3 cap near pile 6.





Bent 1: right side of abutment with numerous cracks. Similar cracking to the left side. (Up to 0.050" in width)



Bent 1: Erosion action allowing the abutment to be undermined.



Soffit view



Spall with exposed rebar on the left side of span 5





Deck view



Inventory looking north

**Maintenance Needs**

**Date Reported:** 03/08/2016

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Open

**Component:** Channel

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**Deficiency Description**

Active erosion under spans 1&5. Photos attached.

**Remarks**

Assigned Pulaski 1 11-14-16

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Erosion under span 5 3/10/2022



Erosion under span 1.





Erosion at bent 5 and 6 right side.



Span 5 erosion



Span 1 left side.



Looking ahead at bents 5&6. Erosion under span 5 on the right side.



**Maintenance Needs**

**Date Reported:** 03/10/2022

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Open

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Component:** Element

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**Deficiency Description**

Gutter line is full of debris and vegetation.

**Remarks**

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Gutter line is full of debris and vegetation.



**Asset #02967**(Routine, Underwater type 2)

**US 165 Log 0.18 over SCOTT BAYOU**

**Location: NW OF SCOTT**

**Team Lead:** Chris Doggett, **Inspection Date:** 03/10/2022

## **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	



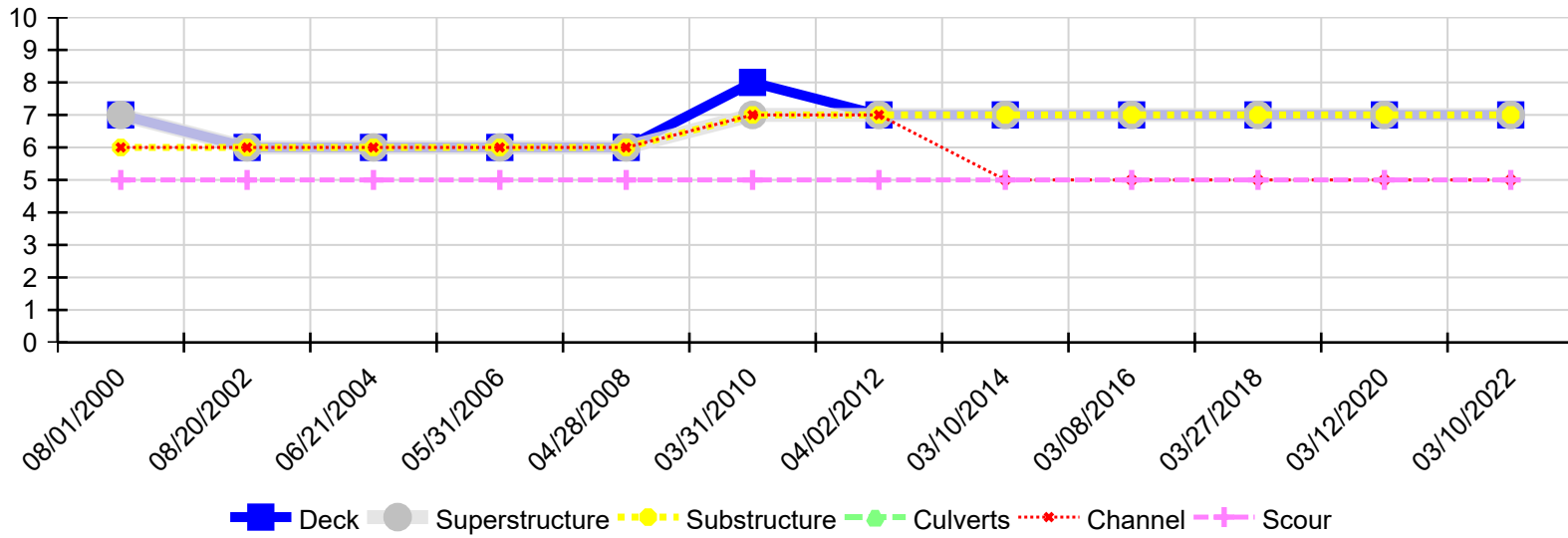
Asset #02967 (Routine, Underwater type 2)

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Location: NW OF SCOTT

Team Lead: Chris Doggett, Inspection Date: 03/10/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/10/2022	7	7	7	N	5	5
03/12/2020	7	7	7	N	5	5
03/27/2018	7	7	7	N	5	5
03/08/2016	7	7	7	N	5	5
03/10/2014	7	7	7	N	5	5
04/02/2012	7	7	7	N	7	5
03/31/2010	8	7	7	N	7	5
04/28/2008	6	6	6	N	6	5
05/31/2006	6	6	6	N	6	5
06/21/2004	6	6	6	N	6	5
08/20/2002	6	6	6	N	6	5
08/01/2000	7	7	6	N	6	5