



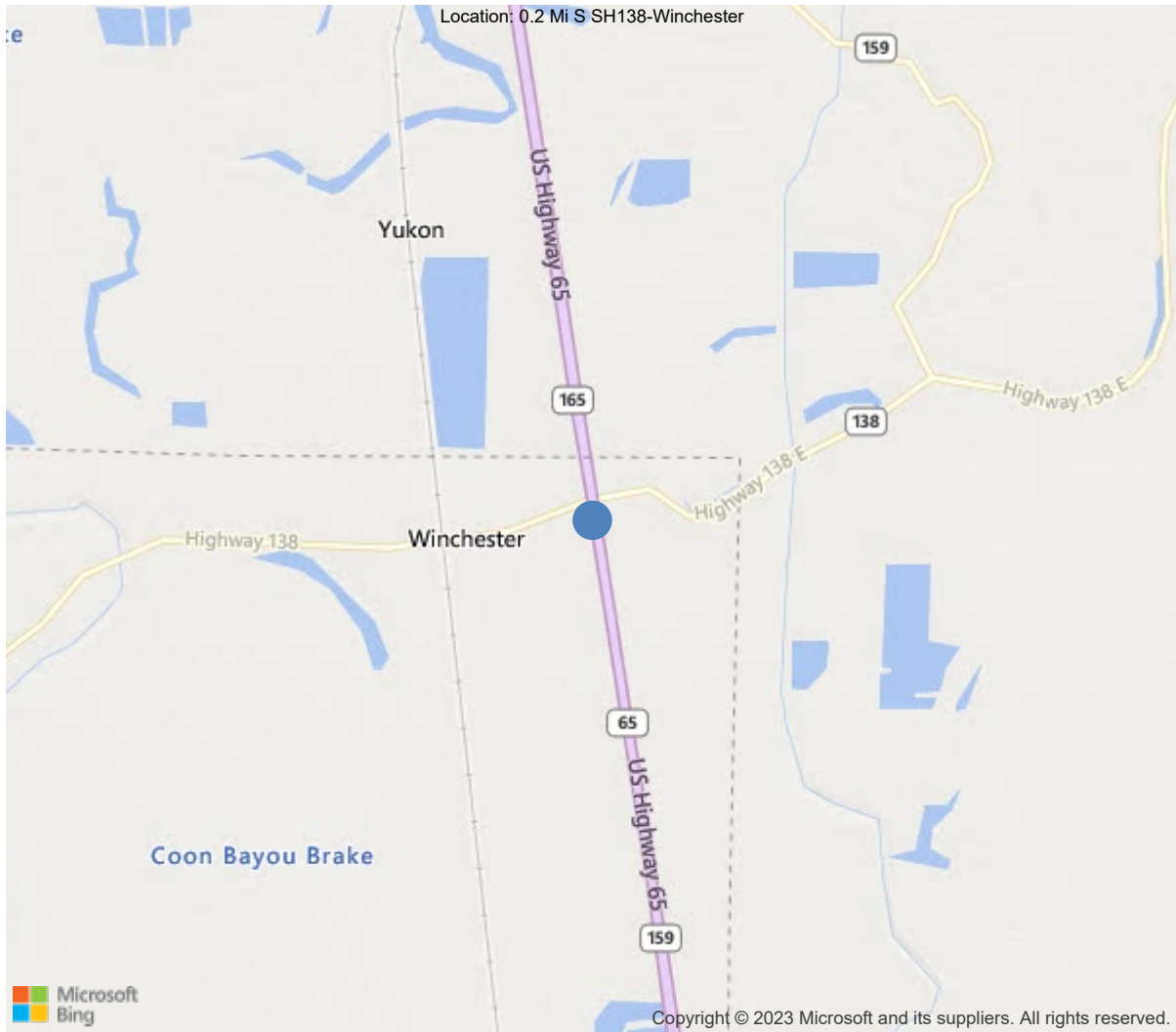
Latitude:33.77571, Longitude:-91.46313

Route:65 Section:18 Log:0.32

Arnold Road ID:22x65x18xA, Arnold Log mile:0.34

District 02, 43 - Drew County

Owner: 1 - State Highway Agency



33.77571, -91.46313





Asset #A6987(Routine)

US65-18 SB LM 0.32 over Coon Bayou

Location: 0.2 Mi S SH138-Winchester

Team Lead: Greg Loomis, Inspection Date: 07/21/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A6987
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	43 - Drew County
(4) Place Code	0
(6) Features Intersected	Coon Bayou
(7) Facility Carried	US65-18 SB LM 0.32
(9) Location	0.2 Mi S SH138-Winchester
(11) Mile Point	0.32 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000065180
(16) Latitude	33.7757138506489
(17) Longitude	-91.463127975199
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel 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	3
(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	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	2006
(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	3650
(30) Year of ADT	2018
(109) Truck ADT	24 %
(19) Bypass, Detour Length	22 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	42 ft
(49) Structure Length	125.9 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	38 ft
(52) Deck Width Out to Out	41.2 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 ft
(33) Bridge Median	0 - No median
(34) Skew	45 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	39 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	5 - None present but re-evalua
(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	2 - The inventory route is on
(101) Parallel Structure	R - The right structure of par
(102) Direction of Traffic	1 - 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	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	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	36
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	8
(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	3743
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	07/21/2022		
(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 #A6987(Routine)

District: 02, County: 43 - Drew County

Team Lead: Greg Loomis, Inspection Date: 07/21/2022

**General Observation (False)**

Bridge is logged from north to south  
Beginninig of structure toward SH 138, North End.

Bridge 0000000000A6987 entered 5/17/2006 15:35:20 by userid rlw.  
Replaces old structure #01988 under Job #020138.

Bridge NamePlate placed at end of structure on left wing wall.

Approach guard railing up on traffic's approach only.

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**A-46 - Asset Files**

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5063	5017	46	0	0
1120	Efflorescence/Rust Staining	SF	6	0	6	0	0
1130	Cracking (RC and Other)	SF	40	0	40	0	0
(12) Deck: 41'-2" wide x 123' long = 5063 sqft. Some small longitudinal and transverse cracks, mainly in right (outer) lane - 40 sqft CS2 cracking. Soffit - Some cracking with efflorescence on overhangs - 6 sqft CS2 efflorescence.							
107	Steel Open Girder/Beam	LF	738	738	0	0	0
515	Steel Protective Coating	SF	4472	4322	150	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	150	0	150	0	0
(107) Girders: 6 per span / Spans 1-3 (40'-6" - 42' - 40'-6" = 123' total span). Coating/wearing steel (W24x68): 6.06 square feet per linear feet of girder. Uniform light brown rust on all steel members. Some minor discoloration at drains (on right side of right outer girder).							
215	Reinforced Concrete Abutment	LF	152	111	41	0	0
1130	Cracking (RC and Other)	LF	41	0	41	0	0
(215) Abutments: 56' each (skewed - with 10' wings each corner) / Bents 1 & 4. Bents 1 & 4 - top of backwalls: Some minor cracking - 40' CS2 cracking. Bents 1 & 4 - face of backwalls (behind ends of girders): A couple locations of minor staining from joint seals leaking. Bent 4 - abutment cap: Hairline- to minor-sized crack at step-up near right end - 1' CS2 cracking.							
227	Reinforced Concrete Pile	EA	12	12	0	0	0
(227) Piling: 6 per bent / Bents 2 & 3.							
234	Reinforced Concrete Pier Cap	LF	110	110	0	0	0
(234) Caps: 55' each (skewed) / Bents 2 & 3.							
301	Pourable Joint Seal	LF	100	66	34	0	0
2310	Leakage	LF	4	0	4	0	0
2350	Debris Impaction	LF	30	0	30	0	0
(301) Joints: 50' each (skewed) / Bents 1 & 4. Some minor debris impaction at gutter-lines - 30' CS2 debris impaction. Some leaking between Girders 3 -5 - 4' CS2 leakage.							
311	Movable Bearing	EA	12	10	2	0	0
1000	Corrosion	EA	2	0	2	0	0
515	Steel Protective Coating	SF	12	10	0	2	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	EA	2	0	0	2	0
(311) Movable bearings: 6 per bent / Bents 1 & 4. Coating/weathering steel: 1 square feet each. Bent 1 Bearings 3 & 4: Some minor rust corrosion/flaking forming due to leaking joint seals - CS2 corrosion x 2.							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
313	Fixed Bearing	EA	12	12	0	0	0
515	Steel Protective Coating	SF	12	12	0	0	0
(313) Fixed bearings: 6 per bearing / Bents 2 & 3. Coating/weathering steel: 1 square feet each.							
331	Reinforced Concrete Bridge Railing	LF	252	132	120	0	0
1130	Cracking (RC and Other)	LF	120	0	120	0	0
(331) Railing: 126' each side. Scattered light map-cracking.							

**US65-18 SB LM 0.32 over Coon Bayou**

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**Team Lead:** Greg Loomis, **Inspection Date:** 07/21/2022

## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5063	5017	46	0	0
1120	Efflorescence/Rust Staining	SF	6	0	6	0	0
1130	Cracking (RC and Other)	SF	40	0	40	0	0
<p>(12) Deck: 41'-2" wide x 123' long = 5063 sqft.            Some small longitudinal and transverse cracks, mainly in right (outer) lane - 40 sqft CS2 cracking.</p> <p>Soffit - Some cracking with efflorescence on overhangs - 6 sqft CS2 efflorescence.</p>							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	738	738	0	0	0
515	Steel Protective Coating	SF	4472	4322	150	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	LF	150	0	150	0	0
(107) Girders: 6 per span / Spans 1-3 (40'-6" - 42' - 40'-6" = 123' total span). Coating/wearing steel (W24x68): 6.06 square feet per linear feet of girder. Uniform light brown rust on all steel members. Some minor discoloration at drains (on right side of right outer girder).							







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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Left side view



Roadway view



Deck - Spans 1-3: Typical



Soffit - Spans 2 & 3: Typical



**Maintenance Needs**

**Date Reported:** 06/20/2018  
**Priority:** D- Routine  
**Type of Work:** (Inactive) (Inactive) 1 - Clean  
**Status:** Monitor  
**Component:** Channel

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**Deficiency Description**

Channel - Spans 1 - 3: Small trees, bushes, vines, and other vegetation growing on and under bridge.

**Remarks**

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Endslope - Span 1 (vegetation)



Endslopes @ Bents 2-3 left (vegetation)







Vines and vegetation growing beside and under bridge.



Vegetation.

**Date Reported:** 06/20/2018  
**Priority:** (Inactive) (Inactive) G - General/ Preventive maintenance  
**Type of Work:** Repair (General)  
**Status:** Monitor  
**Component:** Channel

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**Deficiency Description**

End-slope - Span 1 left: Erosion from center ditch to Bent 2 Pile 3.

**Remarks**

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**US65-18 SB LM 0.32 over Coon Bayou**

**Location: 0.2 Mi S SH138-Winchester**

**Team Lead:** Greg Loomis, **Inspection Date:** 07/21/2022

**Date Reported:** 06/20/2018

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

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

**Status:** Assigned

**Component:** Element

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**Deficiency Description**

Joint - Bent 1: Small area that has lost bond and is leaking.

**Remarks**

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**US65-18 SB LM 0.32 over Coon Bayou**

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**Team Lead: Greg Loomis, Inspection Date: 07/21/2022**

## **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	



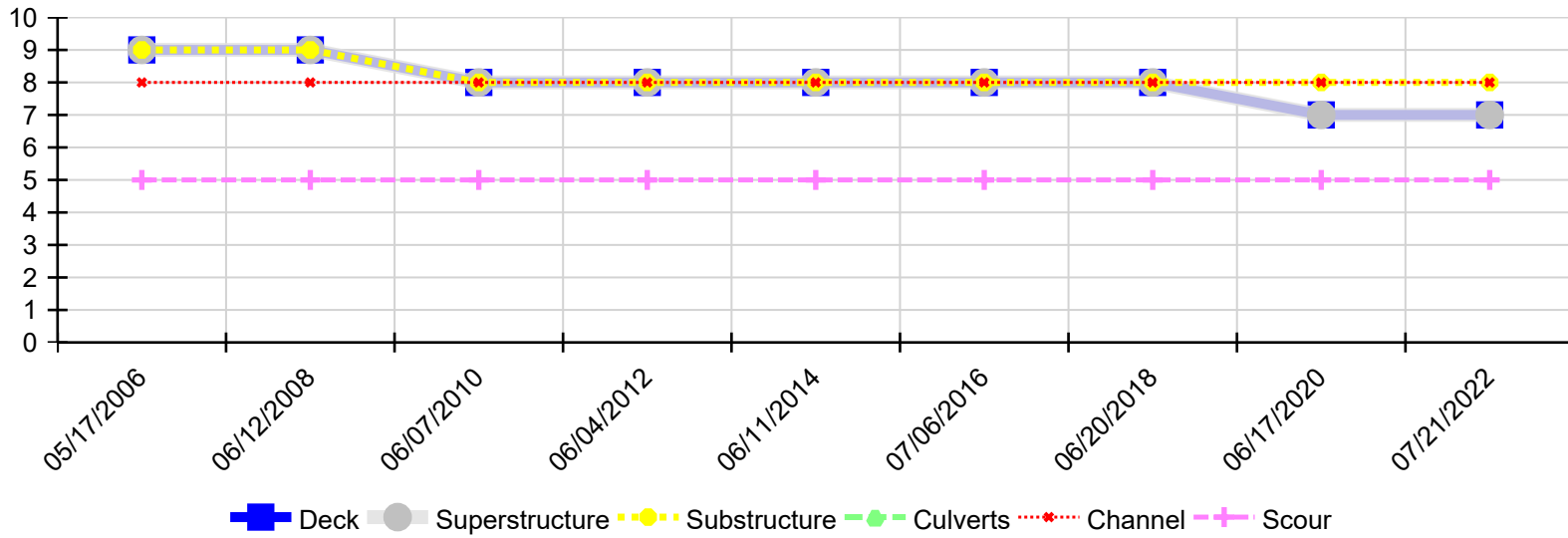
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/21/2022	7	7	8	N	8	5
06/17/2020	7	7	8	N	8	5
06/20/2018	8	8	8	N	8	5
07/06/2016	8	8	8	N	8	5
06/11/2014	8	8	8	N	8	5
06/04/2012	8	8	8	N	8	5
06/07/2010	8	8	8	N	8	5
06/12/2008	9	9	9	N	8	5
05/17/2006	9	9	9	N	8	5