



Latitude:33.22897, Longitude:-91.92447

Route:133 Section:01 Log:7.12

Arnold Road ID:2x133x1xA, Arnold Log mile:7.096

District 02, 3 - Ashley County

Owner: 1 - State Highway Agency



33.22897, -91.92447





Asset #X1218(Routine)

SH 133-01 LM 7.12 over Whiteoak Creek

Location: 7.12 Mi N US 82-Crossett

Team Lead: Greg Loomis, Inspection Date: 05/02/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X1218
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	3 - Ashley County
(4) Place Code	0
(6) Features Intersected	Whiteoak Creek
(7) Facility Carried	SH 133-01 LM 7.12
(9) Location	7.12 Mi N US 82-Crossett
(11) Mile Point	7.12 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.22897
(17) Longitude	-91.92447
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	2007
(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	4200
(30) Year of ADT	2018
(109) Truck ADT	12 %
(19) Bypass, Detour Length	21 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	5 ft
(49) Structure Length	23.8 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	41 ft
(33) Bridge Median	0 - No median
(34) Skew	15 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	99.9 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	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(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 structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	7
(62) Culverts	7
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	39
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	24
(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	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	N - Not applicable or a safety feat
(36B) Transitions	N - Not applicable or a safety feat
(36C) Approach Guardrail	N - Not applicable or a safety feat
(36D) Approach Guardrail Ends	N - Not applicable or a safety feat
(113) Scour Critical Bridges	8 - 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	4913
(115) Year of Future ADT	2027

INSPECTIONS *			
(90) Inspection Date	05/02/2023		
(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 #X1218(Routine)

District: 02, County: 3 - Ashley County

Team Lead: Greg Loomis, Inspection Date: 05/02/2023

#### General Observation

Bridge is logged from south to north.

Beginning of structure toward SH 52, North Crossett, South End.

Bridge 0000000000X1218 entered 5/14/2007 09:57:50 by userid rlw.

Replaced a minor structure under state contract job #020339, FAP. STP-00002(22).

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	298	289	9	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
6000	Scour	LF	5	0	5	0	0
(241) Box culvert: 4 barrels (5' wide x 6' tall) @ 74'-6" each = 298' total. Some minor leaking at first and second joints of barrels on each end.							
Wings - Barrel 1 right (southeast): Small vertical crack. Barrel 4 right (northeast): Small spall. Some scattered settlement/erosion spots behind wingwalls.							

## Culvert

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Right side view



Roadway view

**Maintenance Needs**

**Date Reported:** 04/08/2021

**Priority:** D- Routine

**Type of Work:** Miscellaneous

**Status:** Monitor

**Component:** Culverts

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**Deficiency Description**

Barrel 1 left (southwest) & Barrel 4 right (northeast) wing-walls: Erosion exposing back face of wing.

**Remarks**

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Northeast wing wall has some erosion exposing back face of wing.



**Maintenance Needs**

**Date Reported:** 05/02/2023

**Priority:** D- Routine

**Type of Work:** Channel Work/Drift Removal

**Status:** Open

**Component:** Culverts

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**Deficiency Description**

Channel - Barrels 3-4 left: Area of erosion (6" x 6" x 4' long) along face of bottom slab - beginning to undermine.

**Remarks**

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Channel - Barrels 3-4 left: Erosion



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SH 133-01 LM 7.12 over Whiteoak Creek

Location: 7.12 Mi N US 82-Crossett

Team Lead: Greg Loomis, Inspection Date: 05/02/2023

## 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	



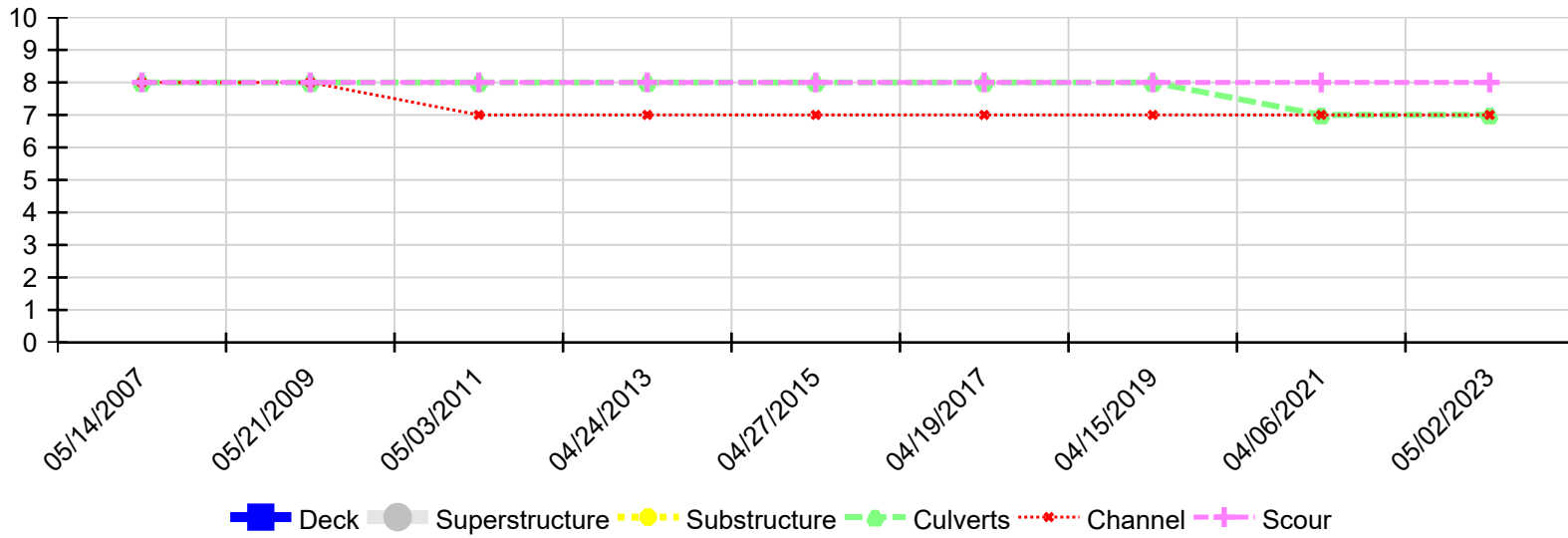
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### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/02/2023	N	N	N	7	7	8
04/06/2021	N	N	N	7	7	8
04/15/2019	N	N	N	8	7	8
04/19/2017	N	N	N	8	7	8
04/27/2015	N	N	N	8	7	8
04/24/2013	N	N	N	8	7	8
05/03/2011	N	N	N	8	7	8
05/21/2009	N	N	N	8	8	8
05/14/2007	N	N	N	8	8	8