



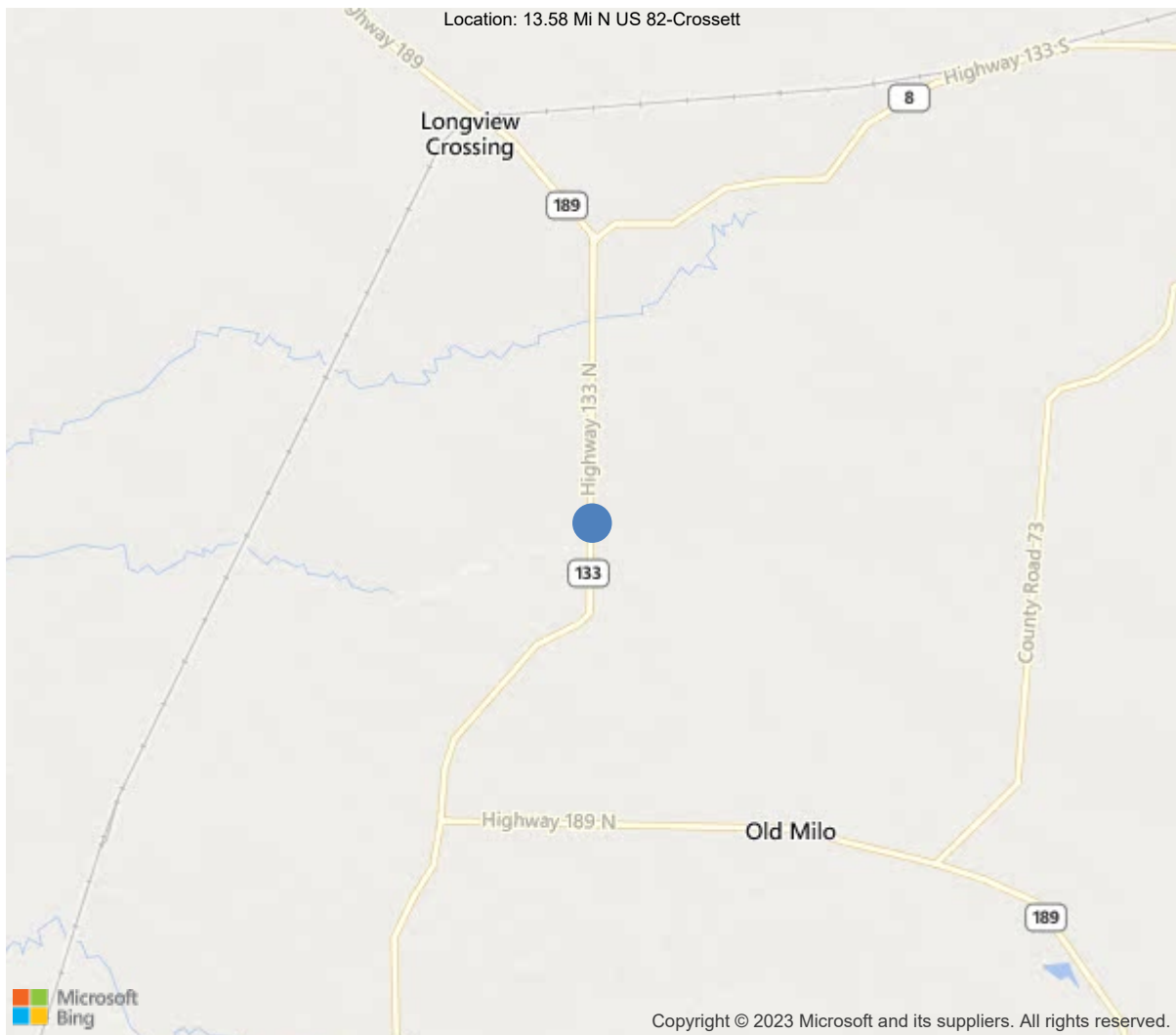
Latitude:33.31708, Longitude:-91.90742

Route:133 Section:01 Log:13.58

Arnold Road ID:2x133x1xA, Arnold Log mile:13.558

District 02, 3 - Ashley County

Owner: 1 - State Highway Agency



33.31708, -91.90742





Asset #05496(Routine)

SH 133-01 LM 13.58 over Beech Creek

Location: 13.58 Mi N US 82-Crossett

Team Lead: Sharon Hooks, Inspection Date: 04/25/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05496
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	3 - Ashley County
(4) Place Code	0
(6) Features Intersected	Beech Creek
(7) Facility Carried	SH 133-01 LM 13.58
(9) Location	13.58 Mi N US 82-Crossett
(11) Mile Point	13.58 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.3170822888636
(17) Longitude	-91.9074168515206
(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	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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1973
(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	1 %
(19) Bypass, Detour Length	23 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	105 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	28.4 ft
(52) Deck Width Out to Out	30.8 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	29.2 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	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	7 - Countermeasures have been insta
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	2925
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	04/25/2023		
(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 #05496(Routine)

District: 02, County: 3 - Ashley County

Team Lead: Sharon Hooks, Inspection Date: 04/25/2023

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#### General Observation

Beginning of structure toward SH 52, North Crossett, South End.04-25-2019 GGL-KLR: NBI and element quantities field measured and verified against plans.05-14-2007, Dropping UW inspection due to sub-str. elements are not continuously submerged. Normal water depth appears less than 1 foot deep. Durations of high water events occur. Rock riprap on slopes at Abt's. NBI Items #60 and #61 will represent all elements that occasionally stand in water. RLW.

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#### A-46 - Asset Files

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#### A-59 - Joint Repair Needed (Y)

Joint seals have debris impaction from asphalt overlay.

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**SH 133-01 LM 13.58 over Beech Creek**

**Location: 13.58 Mi N US 82-Crossett**

**Team Lead:** Sharon Hooks, **Inspection Date:** 04/25/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3234	3234	0	0	0
510	Wearing Surfaces	SF	2982	2551	315	116	0
3220	Crack (Wearing Surface)	SF	431	0	315	116	0
(38) Deck: 30.8' wide x 105' long. Wearing surface - 6" asphalt overlay: 28.4' wide x 105' long. Some rutting (less than 1" deep) and cracking in wearing surface.							
215	Reinforced Concrete Abutment	LF	92	92	0	0	0
(215) Abutments 46' each (including wingwalls) / Bents 1 & 4. Some minor staining.							
227	Reinforced Concrete Pile	EA	10	0	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227) Pile: 5 per bent / Bents 2-3. All pile have light abrasive wear.							
234	Reinforced Concrete Pier Cap	LF	62	57	0	5	0
1120	Efflorescence/Rust Staining	LF	5	0	0	5	0
(234) Caps: 31' each /Bents 2-3 Bent 3 back: Near Pile 2.cap has crack with efflorescence .							
301	Pourable Joint Seal	LF	124	0	0	124	0
2350	Debris Impaction	LF	124	0	0	124	0
(301) Joint: 31' each / Bents 1-4. Joint has been overlaid - 124' CS3 debris impaction.							
331	Reinforced Concrete Bridge Railing	LF	210	210	0	0	0
(331) Railing: 105' each side.							

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## Deck

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3234	3234	0	0	0	
510	Wearing Surfaces	SF	2982	2551	315	116	0	
3220	Crack (Wearing Surface)	SF	431	0	315	116	0	
(38) Deck: 30.8' wide x 105' long. Wearing surface - 6" asphalt overlay: 28.4' wide x 105' long. Some rutting (less than 1" deep) and cracking in wearing surface.								



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## 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	92	92	0	0	0
(215) Abutments 46' each (including wingwalls) / Bents 1 & 4. Some minor staining.							
227	Reinforced Concrete Pile	EA	10	0	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227) Pile: 5 per bent / Bents 2-3. All pile have light abrasive wear.							
234	Reinforced Concrete Pier Cap	LF	62	57	0	5	0
1120	Efflorescence/Rust Staining	LF	5	0	0	5	0
(234) Caps: 31' each /Bents 2-3 Bent 3 back: Near Pile 2.cap has crack with efflorescence .							





Elevation.



Bent 3 cap back has delams at keyways.



Under view of deck.



Deck over view



Approach.



**Maintenance Needs**

**Date Reported:** 04/25/2019

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Status:** Monitor

**Component:**

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**Deficiency Description**

Approach roadway - Bents 1 & 4: Deterioration/cracks in wearing surface - becoming small pot-holes.

**Remarks**

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Approach roadway has settlement and rutting.



Approach roadway - Bent 1 : Pot holes

**Maintenance Needs**

**Date Reported:** 04/25/2019

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

**Status:** Assigned

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Component:**

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**Deficiency Description**

Channel/end-slope - Span 1: Several small trees, bushes, or other vegetation growing under bridge.

**Remarks**

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End-slope - Bent 1 left : Vegetation



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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	Yes
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	





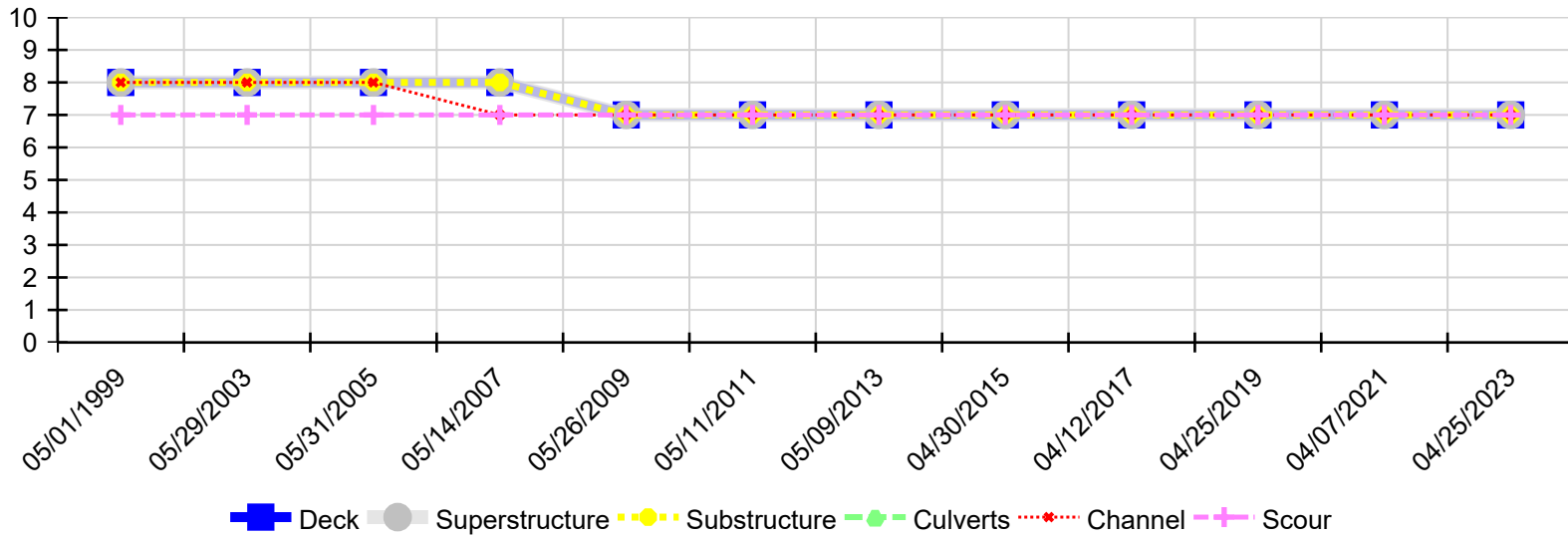
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/25/2023	7	7	7	N	7	7
04/07/2021	7	7	7	N	7	7
04/25/2019	7	7	7	N	7	7
04/12/2017	7	7	7	N	7	7
04/30/2015	7	7	7	N	7	7
05/09/2013	7	7	7	N	7	7
05/11/2011	7	7	7	N	7	7
05/26/2009	7	7	7	N	7	7
05/14/2007	8	8	8	N	7	7
05/31/2005	8	8	8	N	8	7
05/29/2003	8	8	8	N	8	7
05/01/1999	8	8	8	N	8	7