



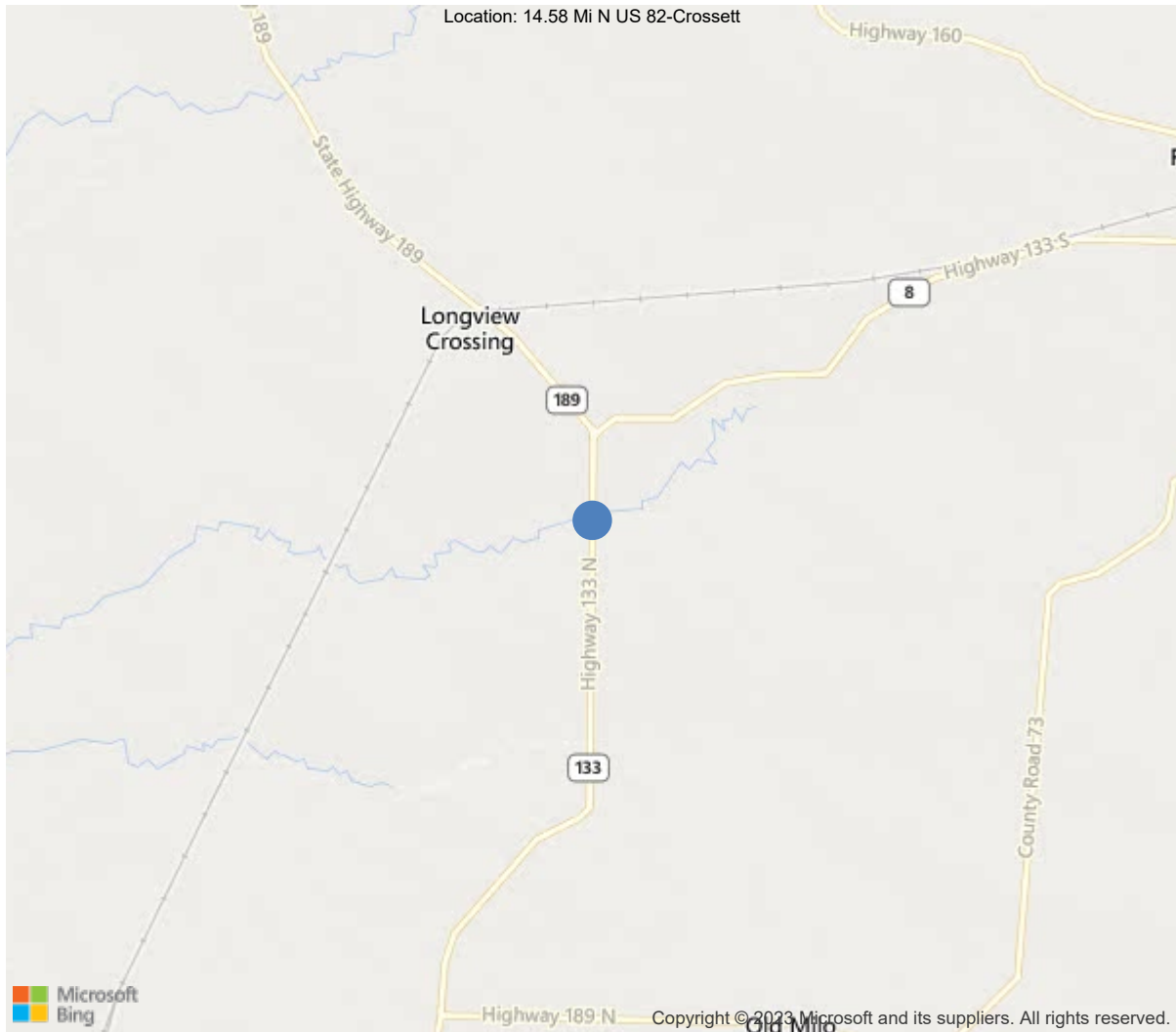
Latitude:33.33157, Longitude:-91.90744

Route:133 Section:01 Log:14.58

Arnold Road ID:2x133x1xA, Arnold Log mile:14.557

District 02, 3 - Ashley County

Owner: 1 - State Highway Agency



33.33157, -91.90744



Asset #05497(Routine)

SH 133-01 LM 14.58 over Fountain Creek

Location: 14.58 Mi N US 82-Crossett

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05497
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	3 - Ashley County
(4) Place Code	0
(6) Features Intersected	Fountain Creek
(7) Facility Carried	SH 133-01 LM 14.58
(9) Location	14.58 Mi N US 82-Crossett
(11) Mile Point	14.58 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.3315679575348
(17) Longitude	-91.9074356269837
(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	1975
(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	21 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 exists
(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	0 - Inspected feature does not meet
(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 #05497(Routine)

District: 02, County: 3 - Ashley County

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

General Observation

Bridge logged from south to north.04-25-2019 GGL-KLR: NBI and element quantities field measured and verified against plans.

A-46 - Asset Files

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A-59 - Joint Repair Needed (Y)

Joints seals have debris impaction from asphalt overlay.

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	84	8	0	0
6000	Scour	LF	8	0	8	0	0
(215) Abutments 46' each (including wingwalls) / Bents 1 & 4. Bent 4: Two small erosion holes in end slope on both ends of cap.							
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	53	0	9	0
1080	Delamination/Spall/Patched Area	LF	5	0	0	5	0
1090	Exposed Rebar	LF	4	0	0	4	0
(234) Caps: 31' each /Bents 2-3 Bent 3 back: Spall with exposed rebar over Pile 2/delamination over Pile 4							
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.							

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

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
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SH 133-01 LM 14.58 over Fountain Creek

Location: 14.58 Mi N US 82-Crossett

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

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

SH 133-01 LM 14.58 over Fountain Creek

Location: 14.58 Mi N US 82-Crossett

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

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	92	84	8	0	0
6000	Scour	LF	8	0	8	0	0
(215) Abutments 46' each (including wingwalls) / Bents 1 & 4. Bent 4: Two small erosion holes in end slope on both ends of cap.							
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	53	0	9	0
1080	Delamination/Spall/Patched Area	LF	5	0	0	5	0
1090	Exposed Rebar	LF	4	0	0	4	0
(234) Caps: 31' each /Bents 2-3 Bent 3 back: Spall with exposed rebar over Pile 2/delamination over Pile 4							



Elevation.



Bent 3 cap back left at key way has spall with exposed rebar.



Deck over view.



Approach.



Bent 3 back face has spall with exposed rebar in left key way.

Maintenance Needs

Date Reported: 04/25/2019

Priority: C - Important

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

Status: Assigned

Component:

Deficiency Description

Approach railing - Bent 1 right: Some impact damage to approximately 35' of railing and posts.

Remarks



Approach railing - Bent 1 right : 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	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	



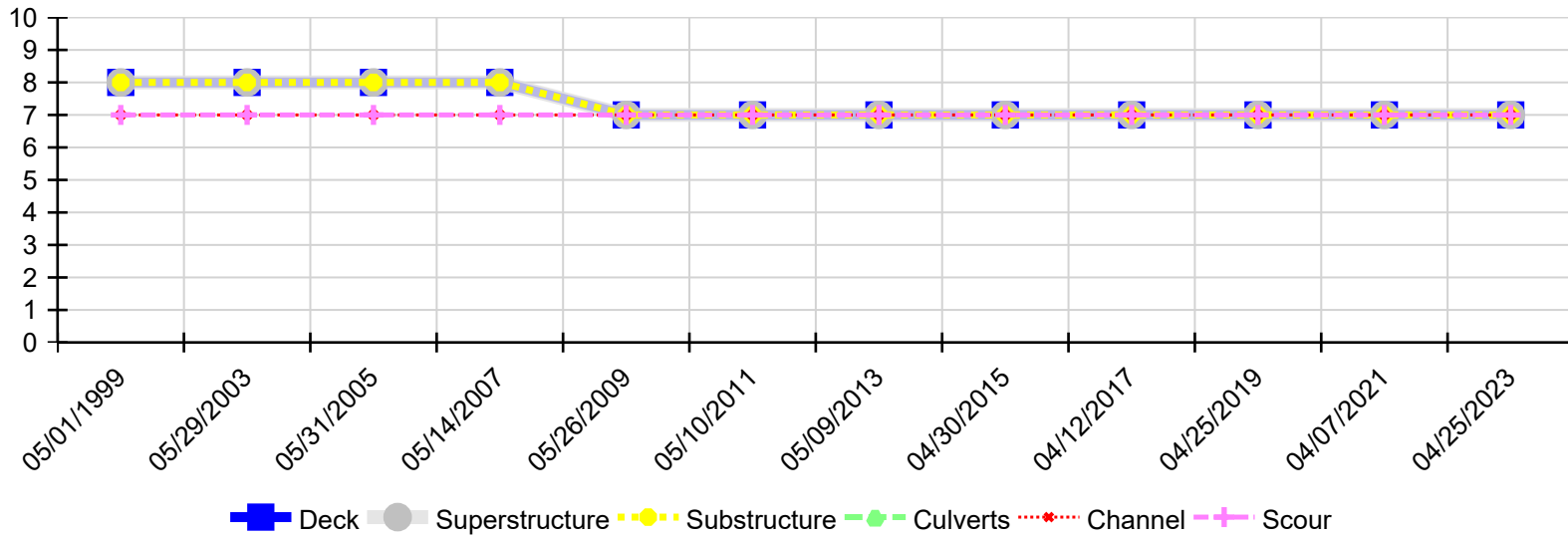
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Team Lead: Sharon Hooks, Inspection Date: 04/25/2023

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
05/10/2011	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	7	7
05/29/2003	8	8	8	N	7	7
05/01/1999	8	8	8	N	7	7