



Latitude:35.02062, Longitude:-92.76834

Route:60 Section:01 Log:16

Arnold Road ID:53x60x1xA, Arnold Log mile:16.005

District 08, 105 - Perry County

Owner: 1 - State Highway Agency

### Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

70 - Bridge Posting: 5 - Equal to or above legal loads

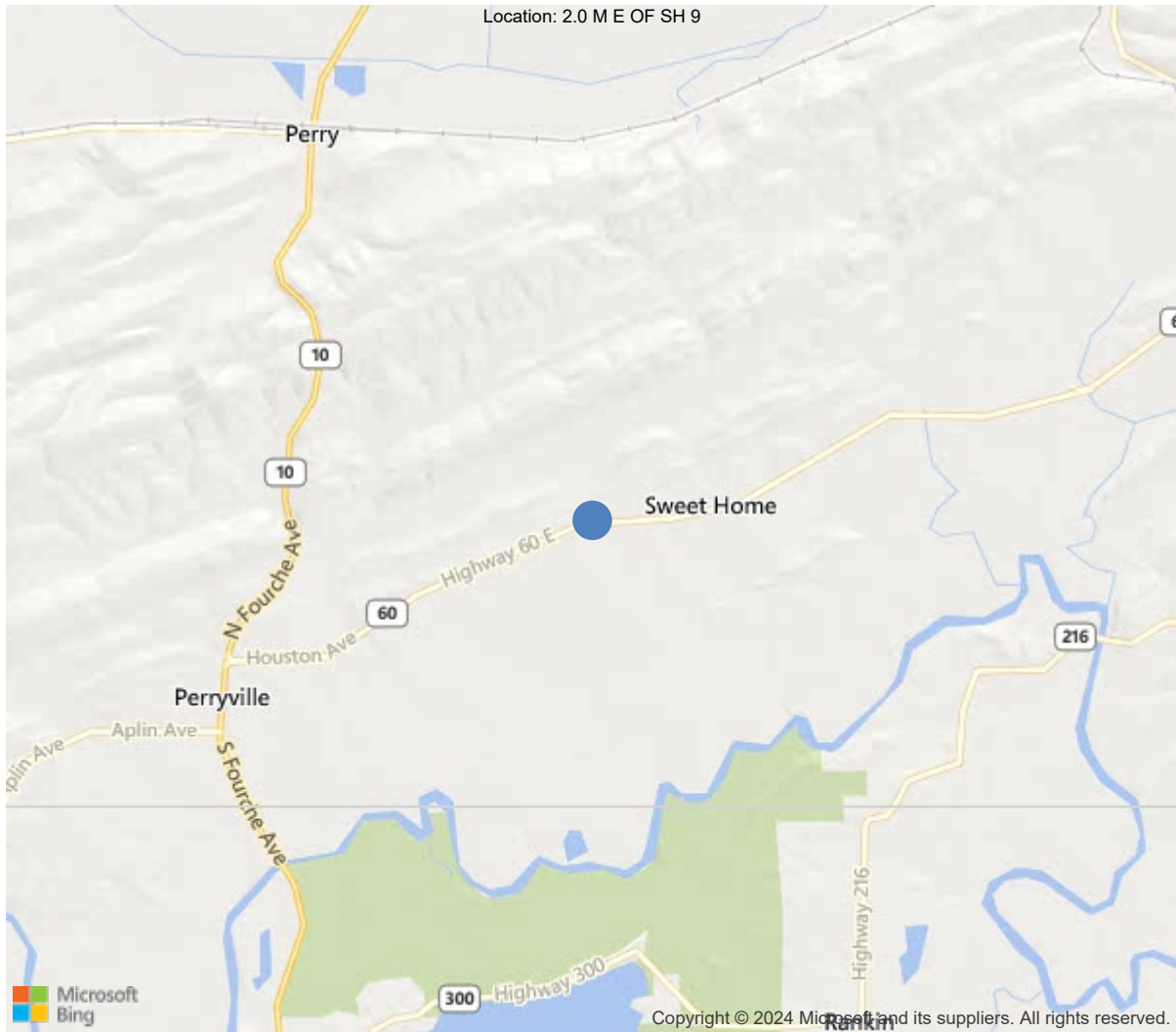
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	34		
Code 9 (31 Tons)	42		
Code 5 (40 Tons)	48		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR





35.02062, -92.76834



Asset #M1079(Routine)

SH 60 over Branch

Location: 2.0 M E OF SH 9

Team Lead: Kevin Milligan, Inspection Date: 12/05/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M1079
(5) Inventory Route	1
(2) Highway Agency District	08 - District 08
(3) County Code	105 - Perry County
(4) Place Code	0
(6) Features Intersected	Branch
(7) Facility Carried	SH 60
(9) Location	2.0 M E OF SH 9
(11) Mile Point	16 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000060010
(16) Latitude	35.02062
(17) Longitude	-92.76834
(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	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
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	1947
(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	2100
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	15 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	9 ft
(49) Structure Length	31 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)	27.9 ft
(33) Bridge Median	0 - No median
(34) Skew	30 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	0 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	0
(26) Functional Class	6 - Rural Minor Arterial
(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 structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
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	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	46
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	28
(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	6
(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	1992
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	12/05/2022		
(91) Frequency	48		
(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.			



## General Observation

-

**62 - Culverts** (7 - Shrinkage cracks, light scaling and insignificant spalling which does not expose reinforcing steel. Insignificant damage caused by drift with no misalignment and not requiring corrective action. Some minor scouring has occurred near curtain walls, wingwalls or pipes. Metal culverts have a smooth symmetrical curvature with superficial corrosion and no pitting.)

12-05-2022 KRM and MLM

Barrel #1 left end has moderate vertical cracks with minor efflorescence at the connection.

Few minor vertical cracks in the walls of barrels.

Right end of barrel #1 has exposed rebar in the top of the barrel.

Right end of barrel #1 has minor to moderate vertical cracks with moderate efflorescence.

Bottom of the walls in barrels 2 & 3 near the right end have minor abrasion.

Barrels 2 & 3 have minor abrasion throughout the full length of the floor.

East bound log mile sign is incorrect, the west bound log mile sign is missing.

## A-63 - Missing/Incorrect Log Mile Signage (Y)

East bound log mile sign is incorrect, the west bound log mile sign is missing.

The correct log mile is 16.0 - route 60 - section 1

**Team Lead:** Kevin Milligan, **Inspection Date:** 12/05/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	96	0	95	1	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	4	0	4	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
1190	Abrasion/Wear (PSC/RC)	LF	88	0	88	0	0
<p>(241) 12-05-2022 KRM and MLM</p> <p>Barrel #1 left end has moderate vertical cracks with minor efflorescence at the connection.</p> <p>Few minor vertical cracks in the walls of barrels.</p> <p>Right end of barrel #1 has exposed rebar in the top of the barrel.</p> <p>Right end of barrel #1 has minor to moderate vertical cracks with moderate efflorescence.</p> <p>Bottom of the walls in barrels 2 &amp; 3 near the right end have minor abrasion.</p> <p>Barrels 2 &amp; 3 have minor abrasion throughout the full length of the floor.</p> <p>East bound log mile sign is incorrect, the west bound log mile sign is missing.</p>							



Asset #M1079(Routine)

SH 60 over Branch

Location: 2.0 M E OF SH 9

Team Lead: Kevin Milligan, Inspection Date: 12/05/2022

**Culvert**

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Comment: 12-05-2022 KRM and MLM

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Elevation



Inventory



East bound log mile marker sign is incorrect, the west bound log mile marker sign is missing.



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Barrels 2 & 3 have minor abrasion throughout the full length of the floor.



No scour





**Asset #M1079(Routine)**

**SH 60 over Branch**

**Location: 2.0 M E OF SH 9**

**Team Lead: Kevin Milligan, Inspection Date: 12/05/2022**

## **Routine Maintenance**

Check Box Maintenance Items

<b>Type of Maintenance</b>	<b>Is recommended?</b>
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	Yes
A-64 - Vegetation Removal Requested	

**A-54 - Sealable Deck Cracks**

**A-55 - Deck Washing Needed**

**A-56 - Joint Cleaning/Flushing Needed**





**Asset #M1079(Routine)**

**SH 60 over Branch**

**Location: 2.0 M E OF SH 9**

**Team Lead: Kevin Milligan, Inspection Date: 12/05/2022**

**A-57 - Beam End and Bearing Painting 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 (Yes)**

East bound log mile sign is incorrect, the west bound log mile sign is missing.  
The correct log mile is 16.0 - route 60 - section 1



East bound log mile marker sign is incorrect, the west bound log mile marker sign is missing.

**A-64 - Vegetation Removal Requested**



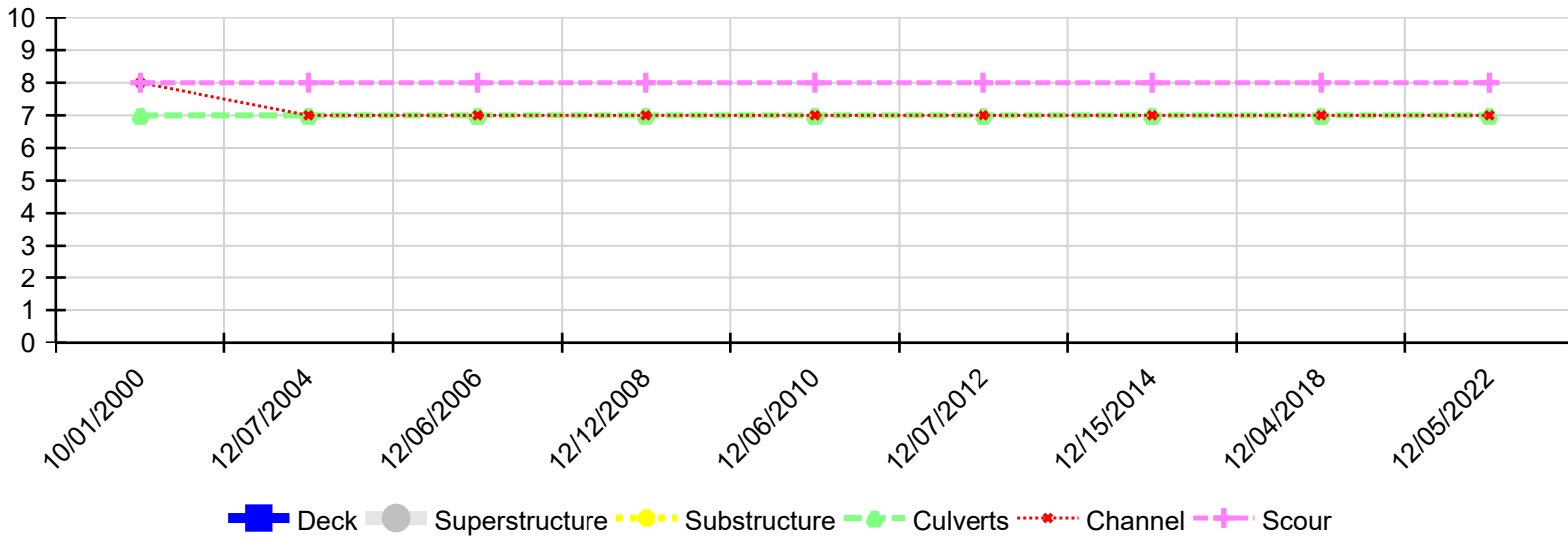
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SH 60 over Branch

Location: 2.0 M E OF SH 9

Team Lead: Kevin Milligan, Inspection Date: 12/05/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
12/05/2022	N	N	N	7	7	8
12/04/2018	N	N	N	7	7	8
12/15/2014	N	N	N	7	7	8
12/07/2012	N	N	N	7	7	8
12/06/2010	N	N	N	7	7	8
12/12/2008	N	N	N	7	7	8
12/06/2006	N	N	N	7	7	8
12/07/2004	N	N	N	7	7	8
10/01/2000	N	N	N	7	8	8