



Latitude:33.68508, Longitude:-91.66861

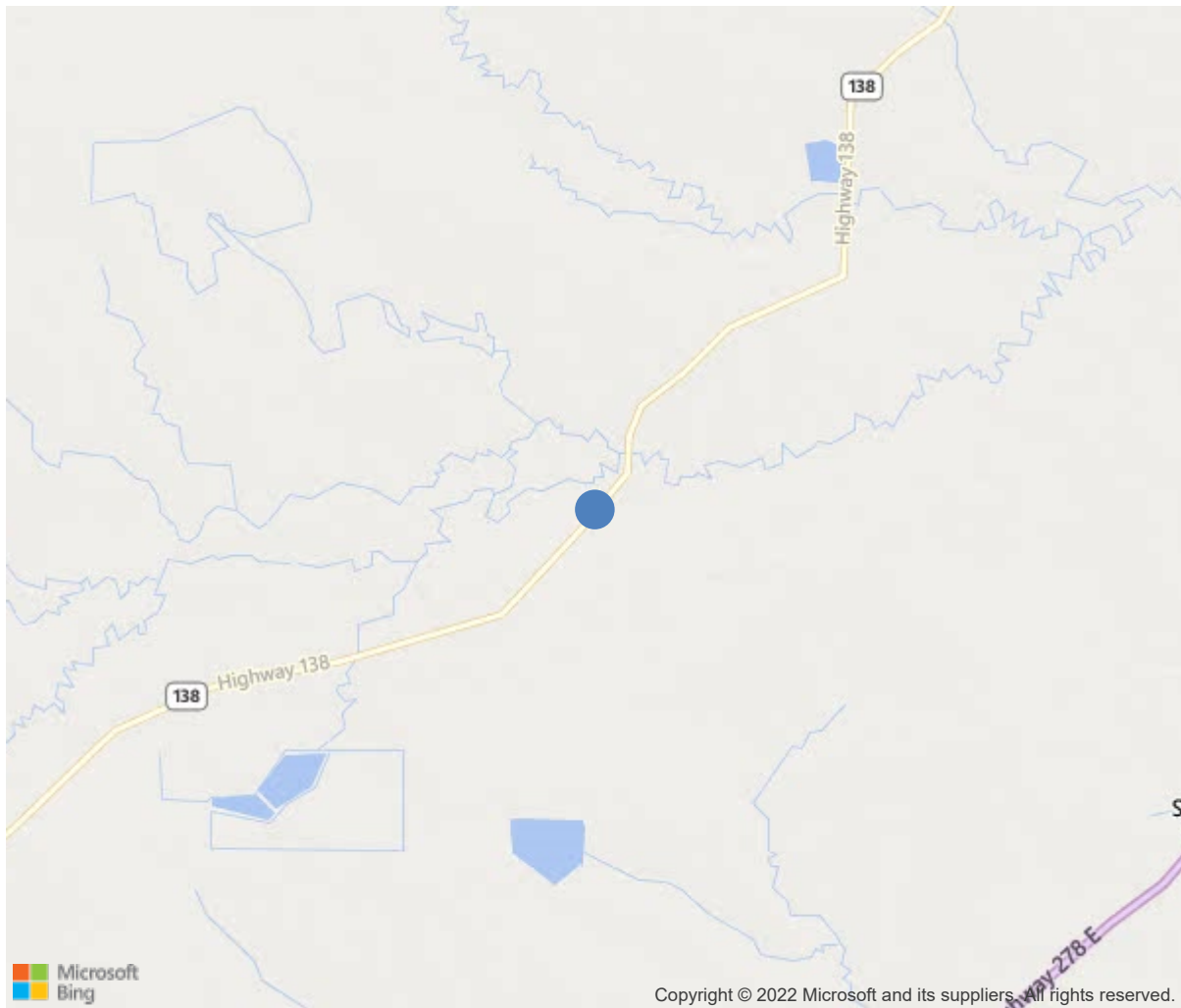
Route:138 Section:03 Log:7.59

Arnold Road ID:22x138x3xA, Arnold Log mile:7.585

District 02, Drew County

Owner: 1-State Highway Agency

7.59 Mi N US278-Pine Hill



33.68508, -91.66861

Inspection Direction : W to E



Bridge #M3076(Routine)
SH 138-03 LM 7.59 over Lower Cut-Off Creek

Location: 7.59 Mi N US278-Pine Hill

Team Lead: Sharon Hooks Inspection Date: August 02, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M3076
(5) Inventory Route	138
(2) Highway Agency District	02
(3) County Code	43-Drew County, Arkansas
(4) Place Code	0
(6) Features Intersected	Lower Cut-Off Creek
(7) Facility Carried	SH 138-03 LM 7.59
(9) Location	7.59 Mi N US278-Pine Hill
(11) Mile Point	7.59 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.6850813741225
(17) Longitude	-91.6686111111111
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1-Concrete
Type	22-Channel beam
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	2-Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1967
(106) Year Reconstructed	0
(42) Type of Service	19
On	1-Highway
Under	9-Relief for waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	900
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	17 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	31.7 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24.3 ft
(52) Deck Width Out to Out	26.2 ft
(32) Approach Roadway Width (W/Shoulders)	25.9 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	26.2 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 water
(111) Pier Protection	5-None present but re-evaluation
(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 a S
(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 part of
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0-Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	50
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	1
Rating	33
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	5-Bridge foundations determined to be
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	886
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/2021
(91) Frequency			24 Months
(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.			



Bridge #M3076(Routine)
SH 138-03 LM 7.59 over Lower Cut-Off Creek

Location: 7.59 Mi N US278-Pine Hill

Team Lead: Sharon Hooks, Inspection Date: August 02, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	806	804	2	0	0
1080	Delamination/Spall/Patched Area	SF	2	0	2	0	0
(16)							
Deck: 26' wide x 31' long.. Joints are completely grouted and grout is in good condition.							
110	Reinforced Concrete Open Girder/Beam	LF	217	196	21	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	20	0	20	0	0
(110)							
Girders: 7 precast channel beam units per span / 31' span. Units are bolted transversely - no noted missing or loose bolts. Scattered small vertical and horizontal cracks in channel legs. Unit 6 has very small spall on side of leg.							
216	Timber Abutment	LF	64	54	10	0	0
1140	Decay/Section Loss	LF	10	0	10	0	0
(216)							
Backwalls: 32' each / Bents 1 & 2. Some minor decay to both back walls.							
228	Timber Pile	EA	10	0	4	6	0
1140	Decay/Section Loss	EA	7	0	2	5	0
1150	Check/Shake	EA	3	0	2	1	0
(228)							
Pile: 5 per bent / Bents 1 & 2. Bent 1 pile 4 has outer shell decay and spongy at water line. Bent 1 pile 5 large checks with a hollow area near cap. Bent 2 Pile 1: Moderate- to large-sized checking with some decay and hollow on left side. Bent 2 pile 2 very heavy decay from cap down 3'. Bent 2 pile 3 light hollow sound near cap. Bent 2 pile 4 outer shell decay. Remaining piles have minor-sized checking with some decay to the exterior around waterline.							
234	Reinforced Concrete Pier Cap	LF	52	52	0	0	0
(234)							
Cap: 26' each / Bents 1 & 2.							
330	Metal Bridge Railing	LF	62	62	0	0	0
515	Steel Protective Coating	SF	155	0	155	0	0
3410	Chalking (Steel Protective Coatings)	SF	155	0	155	0	0



Bridge #M3076(Routine)
SH 138-03 LM 7.59 over Lower Cut-Off Creek
Location: 7.59 Mi N US278-Pine Hill

Team Lead: Sharon Hooks, Inspection Date: August 02, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(330)	Railing: 31' each side. Coating: 2.5 square feet per linear feet of railing. Metal rail on concrete posts. Railing is dull and has no luster and primer is beginning to show through.						



Overview of soffit and girders.



Approach.



Deck overview.



Bridge #M3076(Routine)
SH 138-03 LM 7.59 over Lower Cut-Off Creek

Location: 7.59 Mi N US278-Pine Hill

Team Lead: Sharon Hooks Inspection Date: August 02, 2021

Maintenance Needs

Date Reported: 08/12/2013
Priority: B - Pressing; 6 month completion goal
Type of Work: N/A
Status: Assigned
Inspection Direction W to E
Component:

Deficiency Description

Bent 1 pile 4 has outer shell decay and spongy at water line.
Bent 1 pile 5 large checks with a hollow area near cap.
Bent 2 Pile 1: Moderate- to large-sized checking with some decay and hollow on left side.
Bent 2 pile 2 very heavy decay from cap down 3'.
Bent 2 pile 3 light hollow sound near cap.
Bent 2 pile 4 outer shell decay.
Remaining piles have minor-sized checking with some decay to the exterior around waterline.
Changed priority from "G" to "C" SDH 2019.
Changed priority from "C" to "B" SDH 2021.

Remarks



Image is not transferred
to inspectX yet.

Thanks for your patience.





Bent 2 pile 1 has large checks.



Bent 2 pile 2 has outer shell missing with heavy decay.



Bridge #M3076(Routine)

SH 138-03 LM 7.59 over Lower Cut-Off Creek

Location: 7.59 Mi N US278-Pine Hill

Team Lead: Sharon Hooks **Inspection Date:** August 02, 2021

Inspection Comments

Logged from West to East.