



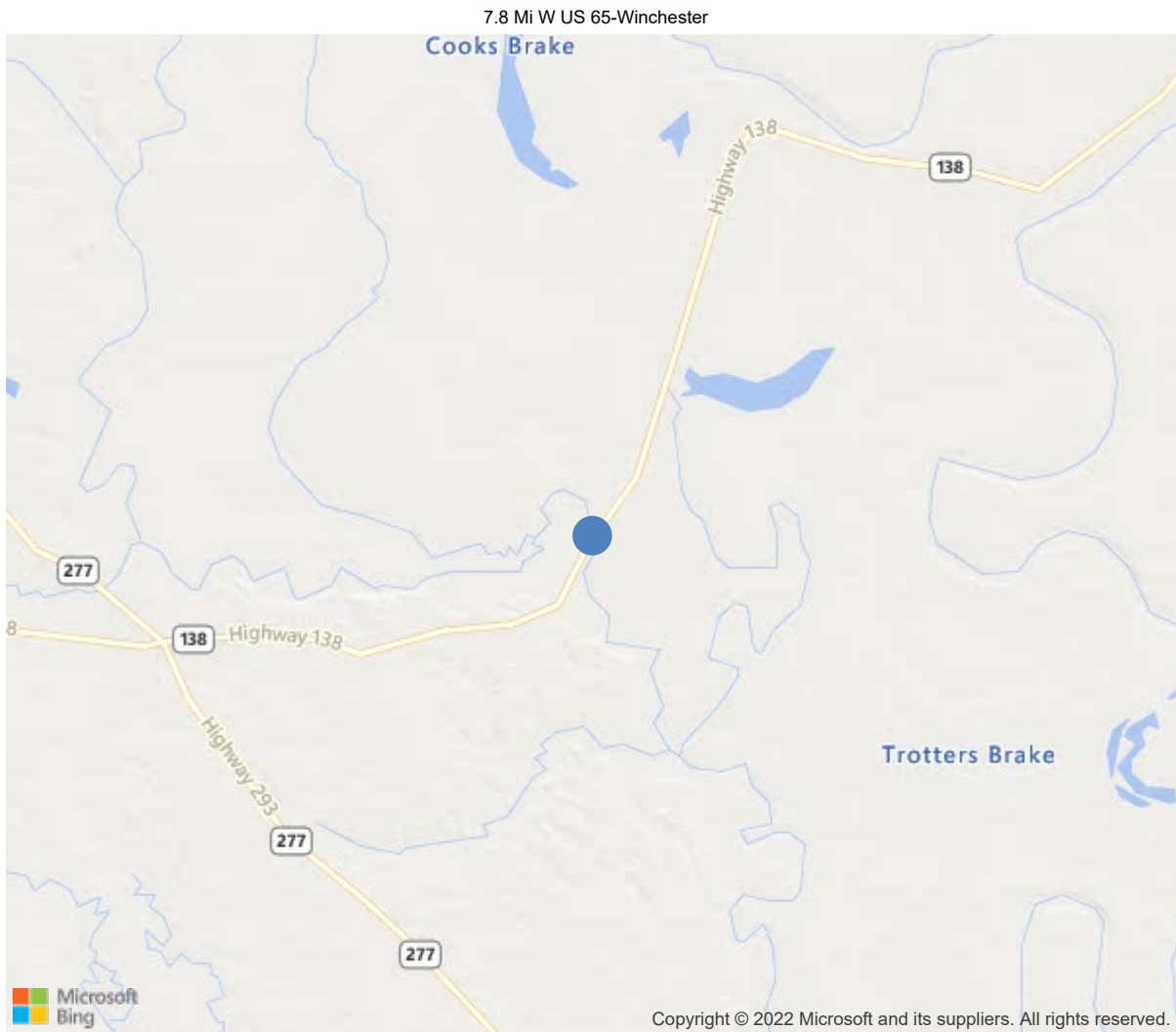
Latitude:33.73608, Longitude:-91.56148

Route:00138 Section:03 Log:15.95

Arnold Road ID:22x138x3xA, Arnold Log mile:15.939

District 02, Drew County

Owner: 1-State Highway Agency



33.73608, -91.56148

Inspection Direction : W to E



Bridge #07426(Routine, Underwater type 2)

SH 138-03 LM 15.95 over Ables Creek

Location: 7.8 Mi W US 65-Winchester

Team Lead: Sharon Hooks Inspection Date: August 19, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07426
(5) Inventory Route	00138
(2) Highway Agency District	02
(3) County Code	43-Drew County, Arkansas
(4) Place Code	0
(6) Features Intersected	Ables Creek
(7) Facility Carried	SH 138-03 LM 15.95
(9) Location	7.8 Mi W US 65-Winchester
(11) Mile Point	15.95 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.73608
(17) Longitude	-91.56148
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
Type	2-Stringer/Multi-beam or girder
(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	1-Concrete Cast-in-Place
(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	2020
(106) Year Reconstructed	
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	1000
(30) Year of ADT	2018
(109) Truck ADT	4 %
(19) Bypass, Detour Length	17 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	45 ft
(49) Structure Length	171 ft
(50) Curb or Sidewalk Width	
Left	1.4 ft
Right	1.4 ft
(51) Bridge Roadway Width Curb to Curb	30 ft
(52) Deck Width Out to Out	33.2 ft
(32) Approach Roadway Width (W/Shoulders)	30 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	31.2 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 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	8
(59) Superstructure	9
(60) Substructure	9
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A-HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	60
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	4
Rating	36
(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	
(69) Clearances, Vertical/Horizontal	
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(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	0
(114) Future ADT	1000
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date	08/2020		
(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.			

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5671	5627	44	0	0
1130	Cracking (RC and Other)	SF	44	0	44	0	0
(12)	Deck: 33' 2" wide x 171' long = 5671 sqft. Span 2 & 3 have a couple of unsealed longitudinal and transverse cracks over girders 2 & 3. Up to .010"						
107	Steel Open Girder/Beam	LF	170	170	0	0	0
515	Steel Protective Coating	SF	1153	1153	0	0	0
(107)	Girders: 4 Girders per span / Spans 1-4 (40' 45' 45' 40' = 170' total) W27 x 84. Steel Protective Coatings: 6.78 sqft. per linear feet of coating.						
215	Reinforced Concrete Abutment	LF	108	108	0	0	0
(215)	Abutments: 33' 2" = 34' each (with 10' wings each corner) / Bents 1 & 5.						
225	Steel Pile	EA	12	12	0	0	0
(225)	Piling: Steel shell pile filled with concrete Encased in a concrete filled culvert. 4 per bent / Bents 2 - 4.						
234	Reinforced Concrete Pier Cap	LF	93	93	0	0	0
(234)	Caps: 31' each / Bents 2 - 4.						
310	Elastomeric Bearing	EA	12	12	0	0	0
(310)	Elastomeric Bearings: 4 per bent / Bents 2 - 4.						
321	Reinforced Concrete Approach Slab	SF	1440	1440	0	0	0
(321)	Approach slabs 24' by 30' bents 1 and 5.						
331	Reinforced Concrete Bridge Railing	LF	342	342	0	0	0
(331)	Reinforced Concrete Bridge Railing: Both sides 171' each						



Approach.



Soffit areas under walls have cracking with very light efflorescence beginning.



Deck. Span 2 & 3 have a couple of unsealed longitudinal and transverse cracks over girders 2 & 3.



Name plate.



Overview of soffit and girders.



Overview of soffit and girders looking at abutment 1.



Deck overview.



Bridge #07426(Routine, Underwater type 2)

SH 138-03 LM 15.95 over Ables Creek

Location: 7.8 Mi W US 65-Winchester

Team Lead: Sharon Hooks **Inspection Date:** August 19, 2020

Inspection Comments

Bridge 07426 replaced M3122 under construction project 020587.

Bridge is logged West to East.

Open to traffic 8/25/2020. SDH