



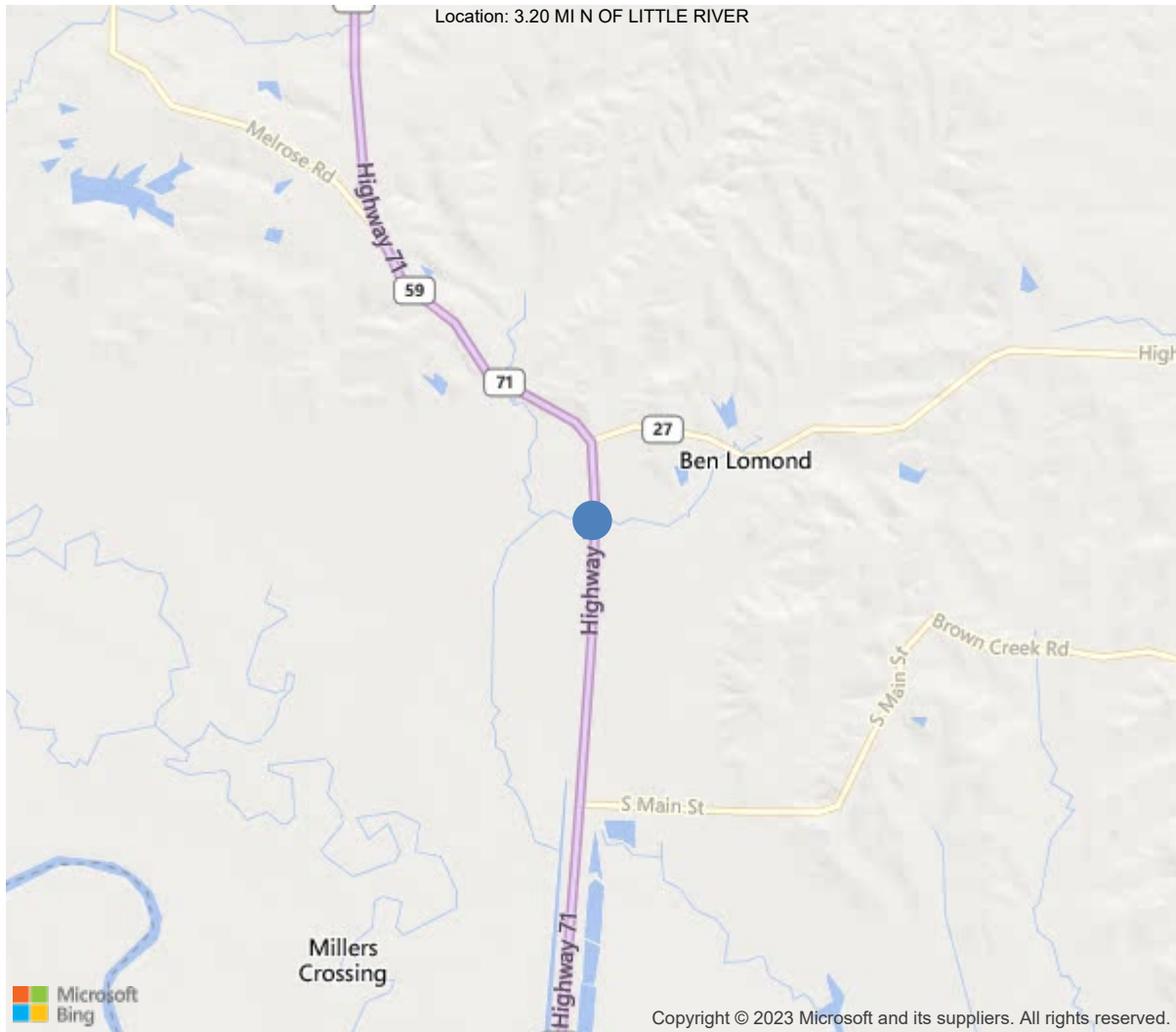
Latitude:33.83706, Longitude:-94.14429

Route:71 Section:05 Log:3.2

Arnold Road ID:66x71x5xA, Arnold Log mile:3.183

District 03, 133 - Sevier County

Owner: 1 - State Highway Agency



33.83706, -94.14429



Asset #01708(Routine)

US 71 SEC. 05-3.20 over WILSON CREEK

Location: 3.20 MI N OF LITTLE RIVER

Team Lead: Jared Kegley, Inspection Date: 10/03/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	01708
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	133 - Sevier County
(4) Place Code	0
(6) Features Intersected	WILSON CREEK
(7) Facility Carried	US 71 SEC. 05-3.20
(9) Location	3.20 MI N OF LITTLE RIVER
(11) Mile Point	3.2 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000071050
(16) Latitude	33.83706
(17) Longitude	-94.14429
(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	2
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1934
(106) Year Reconstructed	1984
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	5500
(30) Year of ADT	2018
(109) Truck ADT	20 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	62 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	44 ft
(52) Deck Width Out to Out	46.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	45.6 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	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	1
(26) Functional Class	2 - Rural Principal Arterial -
(100) Defense Highway	2 - The inventory route is on
(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	1 - The inventory route is par
(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	6
(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	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
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	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - 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	0
(114) Future ADT	6097
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	10/03/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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.			



58 - Deck (7 - GOOD CONDITION - some minor problems.)

Deck is rated a 7 this inspection due to cracking with efflorescence on bottom side of slab. Cracks in deck have been sealed in the past.

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Superstructure is rated a 7 this inspection due to cracking with efflorescence on bottom side of slab. Cracks in deck have been sealed in the past.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Substructure is rated a 7 per this inspection due to various locations of cracking with efflorescence and cracking to concrete abutments as well as various locations of delams and cracking to concrete caps at Bent 2.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)
Channel is rated a 6 per this inspection due to having minor embankment damage located in various locations both up and downstream of bridge.

A-46 - Asset Files

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A-64 - Vegetation Removal Requested (Y)

Trees and Vegetation under and along both sides of bridge need removed.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6 - Widespread minor or isolated moderate scour.)

Scour is rated a 6 this inspection due to isolated scour around Bent 2.



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Team Lead: Jared Kegley, Inspection Date: 10/03/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2901	2859	41	1	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1090	Exposed Rebar	SF	1	0	0	1	0
1120	Efflorescence/Rust Staining	SF	40	0	40	0	0
(38) Deck has various locations of efflorescence present along both Rt and Lt outsides of slab as well as underside of slab along center joint line. Spall with efflorescence cracking at left side above bent 2. Spall with rebar exposed at end of bridge right side.							
205	Reinforced Concrete Column	EA	4	3	1	0	0
1190	Abrasion/Wear (PSC/RC)	EA	1	0	1	0	0
(205) Bent 2 column 1 has minor abrasion starting at bottom of column near existing waterline.							
210	Reinforced Concrete Pier Wall	LF	40	40	0	0	0
215	Reinforced Concrete Abutment	LF	138	133	5	0	0
1120	Efflorescence/Rust Staining	LF	3	0	3	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(215) Bent 1 abutment has various locations of cracking in backwall. Bent 3 abutment has various locations of cracking with efflorescence present in backwall.							
234	Reinforced Concrete Pier Cap	LF	47	45	2	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
(234) Rt side of Bent 2 cap has large delamination with efflorescence.							
301	Pourable Joint Seal	LF	176	44	44	88	0
2310	Leakage	LF	44	0	44	0	0
2350	Debris Impaction	LF	88	0	0	88	0
(301) Asphalt overlay is impacting pourable joints at bents 1 & 3. Various locations of leakage to pourable joint seal at Bent 2.							
331	Reinforced Concrete Bridge Railing	LF	135	135	0	0	0



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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2901	2859	41	1	0
1080	Delamination/Spall/Patched Area	SF	1	0	1	0	0
1090	Exposed Rebar	SF	1	0	0	1	0
1120	Efflorescence/Rust Staining	SF	40	0	40	0	0
(38) Deck has various locations of efflorescence present along both Rt and Lt outsides of slab as well as underside of slab along center joint line. Spall with efflorescence cracking at left side above bent 2. Spall with rebar exposed at end of bridge right side.							

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Comment: Deck is rated a 7 this inspection due to cracking with efflorescence on bottom side of slab. Cracks in deck have been sealed in the past.



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Comment: Superstructure is rated a 7 this inspection due to cracking with efflorescence on bottom side of slab. Cracks in deck have been sealed in the past.

**Substructure**

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	4	3	1	0	0
1190	Abrasion/Wear (PSC/RC)	EA	1	0	1	0	0
(205) Bent 2 column 1 has minor abrasion starting at bottom of column near existing waterline.							
210	Reinforced Concrete Pier Wall	LF	40	40	0	0	0
215	Reinforced Concrete Abutment	LF	138	133	5	0	0
1120	Efflorescence/Rust Staining	LF	3	0	3	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(215) Bent 1 abutment has various locations of cracking in backwall. Bent 3 abutment has various locations of cracking with efflorescence present in backwall.							
234	Reinforced Concrete Pier Cap	LF	47	45	2	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
(234) Rt side of Bent 2 cap has large delamination with efflorescence.							

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Comment: Substructure is rated a 7 per this inspection due to various locations of cracking with efflorescence and cracking to concrete abutments as well as various locations of delams and cracking to concrete caps at Bent 2.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

Comment: Channel is rated a 6 per this inspection due to having minor embankment damage located in various locations both up and downstream of bridge.



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



End of bridge Rt side spall with rebar exposed



Abutment 2 efflorescence



Bt 2 Rt side Delam with efflorescence



Spall with efflorescence cracking @ LT side bent 2



LT side @ Bt 3 efflorescence



Vegetation under bridge needs removed



Vegetation under bridge needs removed



Underside of slab



Underside of slab



Bent 2 column 1 abrasion



Efflorescence on underside of slab



LT side channel



Bent 2



Bent 2



Abutment 1 cracking



Bent 2



Bent 2



LT side @ Bt 1 efflorescence



LT side channel



Rt side channel



Asphalt overlay impacting joints



Deck cracking sealed in the past



Leakage to pourable joint seal



Deck photo



Elevation



Alignment

Maintenance Needs

Date Reported: 10/25/2021

Priority: D- Routine

Type of Work: Replace (General)

Status: Open

Component: Approach

Deficiency Description

Approach guardrail damage on end of bridge, LT side approximately 15'.

Remarks

10/3/2023 - Re-opened MN for review to assign or monitor.



LT side



LT side



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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	
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	Yes



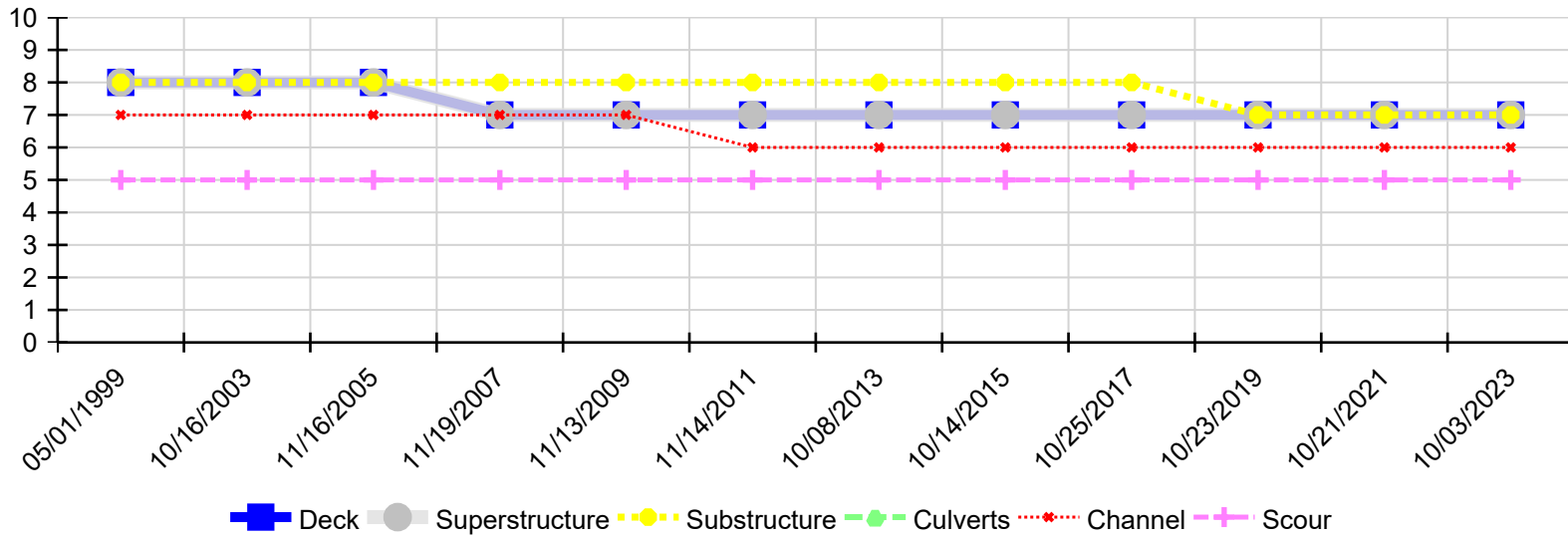
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Team Lead: Jared Kegley, Inspection Date: 10/03/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
10/03/2023	7	7	7	N	6	5
10/21/2021	7	7	7	N	6	5
10/23/2019	7	7	7	N	6	5
10/25/2017	7	7	8	N	6	5
10/14/2015	7	7	8	N	6	5
10/08/2013	7	7	8	N	6	5
11/14/2011	7	7	8	N	6	5
11/13/2009	7	7	8	N	7	5
11/19/2007	7	7	8	N	7	5
11/16/2005	8	8	8	N	7	5
10/16/2003	8	8	8	N	7	5
05/01/1999	8	8	8	N	7	5