



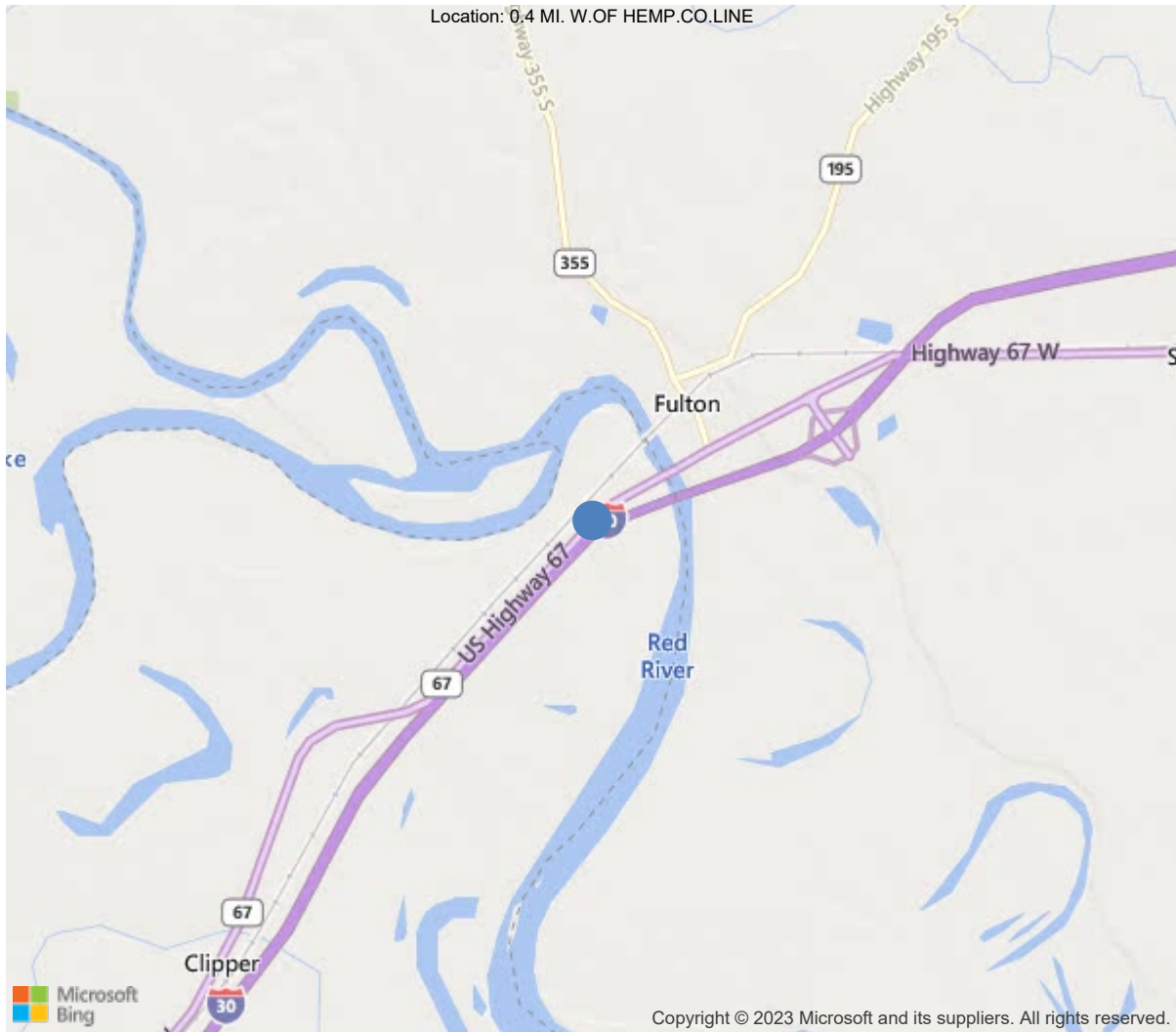
Latitude:33.60420, Longitude:-93.82063

Route:67 Section:01 Log:18.19

Arnold Road ID:46x67x1xA, Arnold Log mile:18.193

District 03, 91 - Miller County

Owner: 1 - State Highway Agency



33.60420, -93.82063



Asset #X1047(Routine)

U.S.67-01-18.19 over Drainage

Location: 0.4 MI. W.OF HEMP.CO.LINE

Team Lead: Jared Kegley, Inspection Date: 08/10/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X1047
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	91 - Miller County
(4) Place Code	0
(6) Features Intersected	Drainage
(7) Facility Carried	U.S.67-01-18.19
(9) Location	0.4 MI. W.OF HEMP.CO.LINE
(11) Mile Point	18.19 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000
(16) Latitude	33.6042
(17) Longitude	-93.82063
(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	2001
(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	4300
(30) Year of ADT	2018
(109) Truck ADT	17 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	10 ft
(49) Structure Length	33 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)	39 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	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	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	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(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	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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	8
(62) Culverts	7
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	43
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	26
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(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	0
(114) Future ADT	3140
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	08/10/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<p>* 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.</p>			



61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)
Channel rated an 8 due to being well vegetated.

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.)
Box culvert rated a 7 due to cracking and efflorescence in all barrels of culvert.

A-46 - Asset Files

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

Both log mile signs are missing this inspection.

A-64 - Vegetation Removal Requested (Y)

Vegetation needs mowed

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (8 - Insignificant scour.)

Insignificant scour this inspection, rated an 8.

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241		Reinforced Concrete Culvert	LF	279	224	55	0	0
1120		Efflorescence/Rust Staining	LF	15	0	15	0	0
1130		Cracking (RC and Other)	LF	40	0	40	0	0
(241) All barrels contain cracking, some with efflorescence, Barrels 1 & 2 have some longitudinal cracking.								



Asset #X1047(Routine)

U.S.67-01-18.19 over Drainage

Location: 0.4 MI. W.OF HEMP.CO.LINE

Team Lead: Jared Kegley, Inspection Date: 08/10/2023

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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Comment: Channel rated an 8 due to being well vegetated.



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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	279	224	55	0	0
1120	Efflorescence/Rust Staining	LF	15	0	15	0	0
1130	Cracking (RC and Other)	LF	40	0	40	0	0
(241) All barrels contain cracking, some with efflorescence, Barrels 1 & 2 have some longitudinal cracking.							

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Comment: Box culvert rated a 7 due to cracking and efflorescence in all barrels of culvert.



Elevation



Cracking on headwall in various locations



Channel



Efflorescence barrel 1



Longitudinal cracking in barrel 1



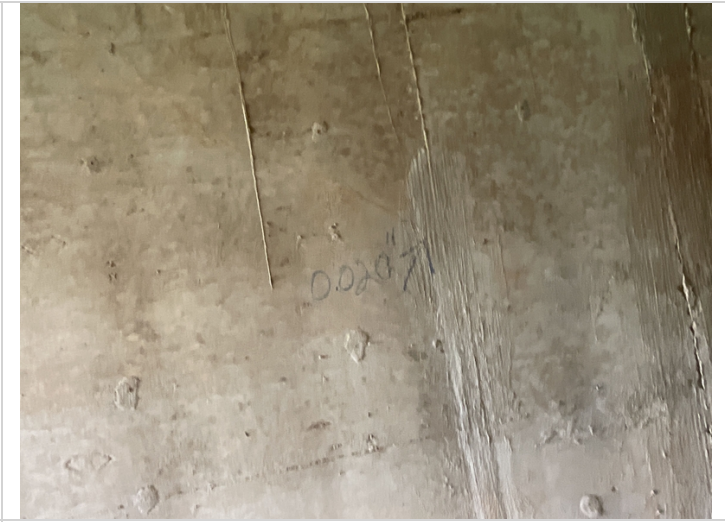
Longitudinal cracking barrel 1



Longitudinal Cracking in barrel 2



Cracking with efflorescence barrel 2



Cracking in barrel 2



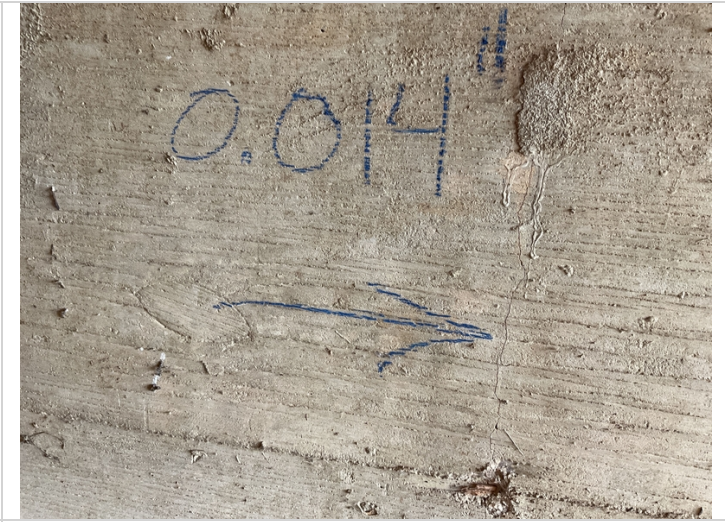
Right side of box needs cut



Left side of box needs cut



Efflorescence barrel 3



Crack in barrel 3



Channel



3 barrel culvert



Alignment

Maintenance Needs

Date Reported: 08/20/2019

Priority: D- Routine

Type of Work: Miscellaneous

Status: Open

Component: Miscellaneous

Deficiency Description

Erosion behind southeast wing, 6 ft x 4 ft x 2 ft deep.

Remarks

8/10/2023...Re-opened MN for review to assign or monitor.



Erosion behind southeast wing, 6 ft x 4 ft x 2 ft deep.



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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	Yes
A-64 - Vegetation Removal Requested	Yes



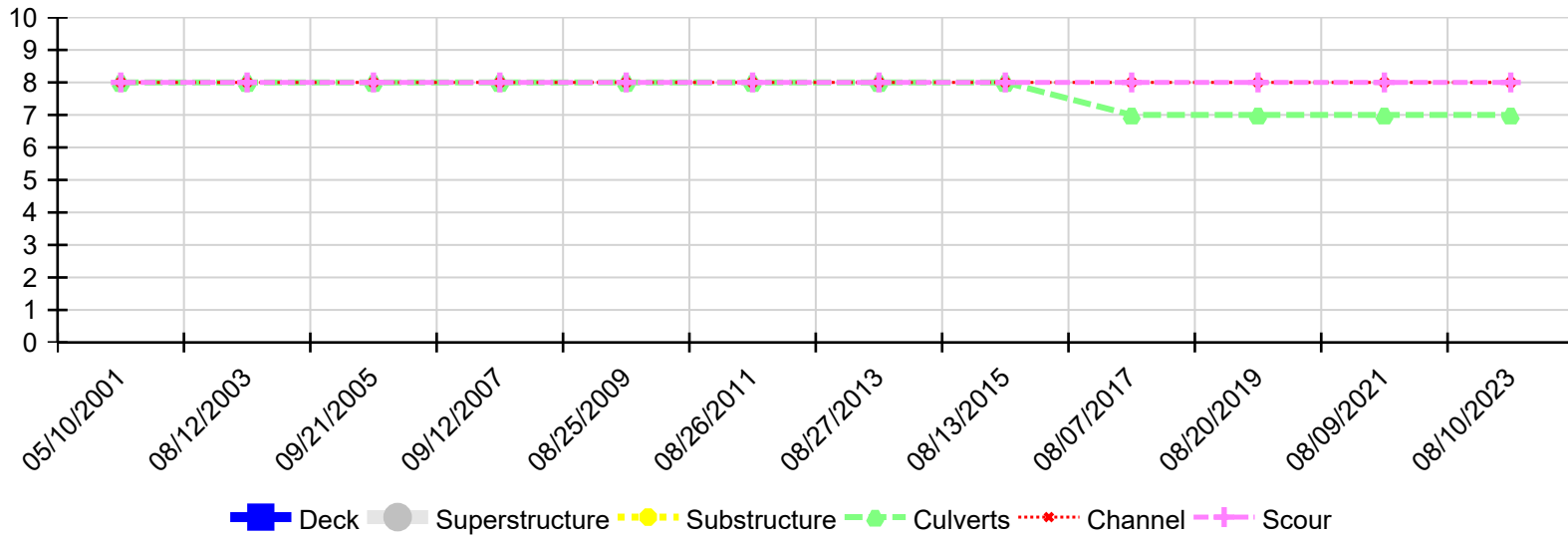
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/10/2023	N	N	N	7	8	8
08/09/2021	N	N	N	7	8	8
08/20/2019	N	N	N	7	8	8
08/07/2017	N	N	N	7	8	8
08/13/2015	N	N	N	8	8	8
08/27/2013	N	N	N	8	8	8
08/26/2011	N	N	N	8	8	8
08/25/2009	N	N	N	8	8	8
09/12/2007	N	N	N	8	8	8
09/21/2005	N	N	N	8	8	8
08/12/2003	N	N	N	8	8	8
05/10/2001	N	N	N	8	8	8