



Latitude:34.59543, Longitude:-92.88960

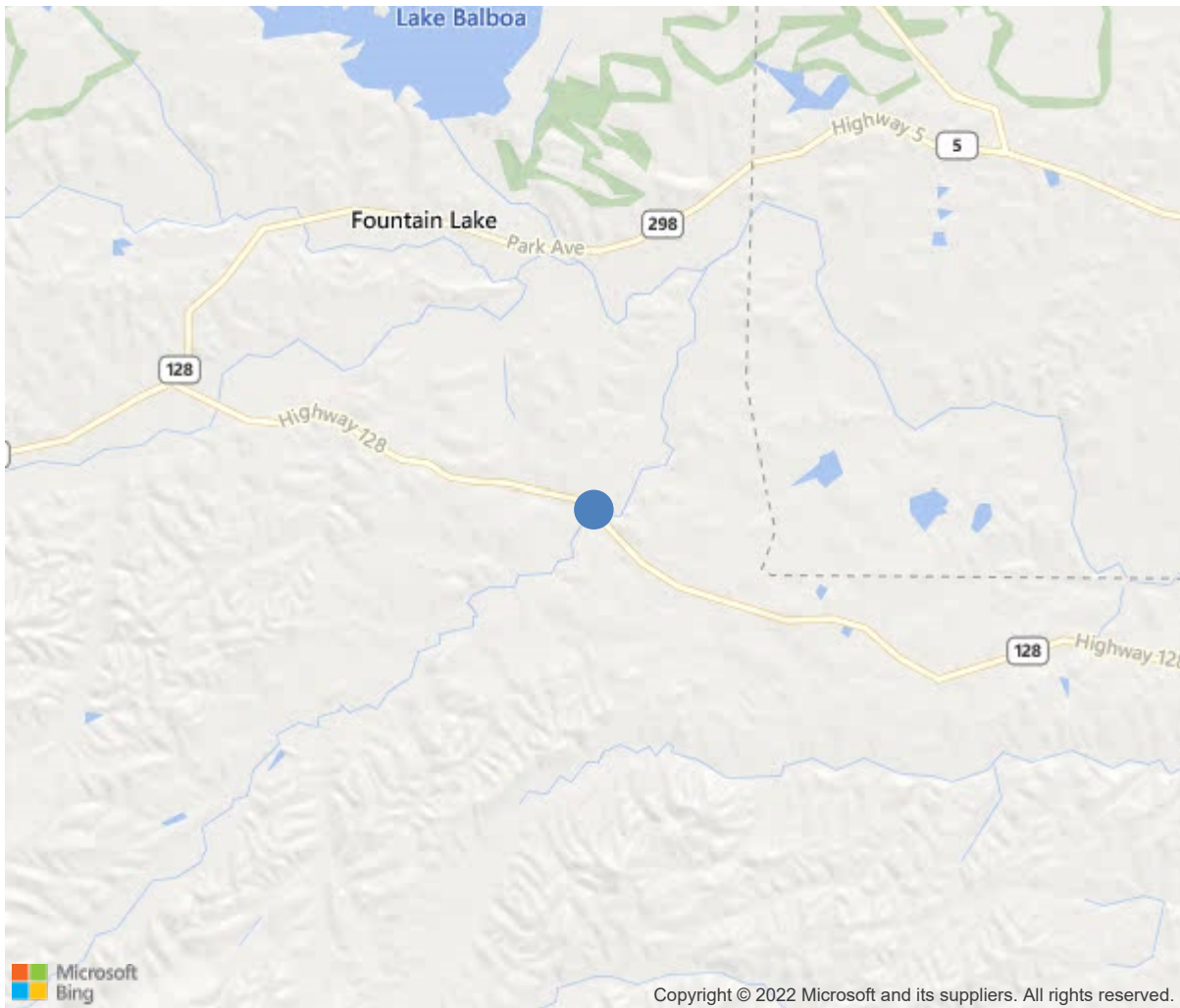
Route:128 Section:11 Log:6.42

Arnold Road ID:26x128x11xA, Arnold Log mile:6.416

District 06, Garland County

Owner: 1-State Highway Agency

6.6 MI W JCT US 70



34.59543, -92.88960



Bridge #06078(Routine, Underwater)

SH 128- Log 6.42 over MILL CREEK

Location: 6.6 MI W JCT US 70

Team Lead: Shane Byrd Inspection Date: October 18, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06078
(5) Inventory Route	128
(2) Highway Agency District	06
(3) County Code	51-Garland County, Arkansas
(4) Place Code	0
(6) Features Intersected	MILL CREEK
(7) Facility Carried	SH 128- Log 6.42
(9) Location	6.6 MI W JCT US 70
(11) Mile Point	6.42 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.59543
(17) Longitude	-92.8896
(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	3
(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	1985
(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	1800
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	105 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	30.8 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0-No median
(34) Skew	30 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	29.5 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	1-Navigation protection not requ
(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	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(62) Culverts	N
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	56
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	34
(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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(113) Scour Critical Bridges	8-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	2760
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			10/2021
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	Yes		/
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
38	RC Slab	SF	3237	3058	179	0	0
1120	Efflorescence/Rust Staining	SF	4	0	4	0	0
1130	Cracking (RC and Other)	SF	175	0	175	0	0
(38)							
Deck has small unsealed cracks. Sides of slabs at bents have scattered cracks and cracks with light efflorescence.							
205	Reinforced Concrete Column	EA	4	0	4	0	0
1190	Abrasion/Wear (PSC/RC)	EA	4	0	4	0	0
(205)							
All columns have light abrasion.							
215	Reinforced Concrete Abutment	LF	99	98	1	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(215)							
Bt. 4 has 1 vertical crack.							
234	Reinforced Concrete Pier Cap	LF	71	63	8	0	0
1080	Delamination/Spall/Patched Area	LF	5	0	5	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(234)							
Bent 2 cap has 1 delam on the back side, 2 small cracks and 1 small spall on the ahead side. Bent 3, crack with efflorescence on the ahead side.							
301	Pourable Joint Seal	LF	65	0	65	0	0
2310	Leakage	LF	65	0	65	0	0
(301)							
Both seals are leaking and have lost adhesion.							
331	Reinforced Concrete Bridge Railing	LF	210	174	36	0	0
1130	Cracking (RC and Other)	LF	36	0	36	0	0
(331)							
Left rail, top of first 3 sections are cracked, 3 cracks in the right rail.							



Elevation



Span 2 soffit no sign of distress. Common all spans.



Deck overview



Approach looking westbound



Span 3 deck map cracks. Worst case this bridge.



Slab right side at bent 2 vertical crack with light efflorescence.



Bent 2 column 1 minor abrasion.



Bent 2 cap back at column 2 delam.



Bent 2 cap ahead crack with minor efflorescence.



Bent 2 joint seal has lost bond.

Maintenance Needs

Date Reported: 10/27/2015
Priority: C - Important
Type of Work: Repair
Status: Assigned
Component: Approach

Deficiency Description

Approach roadway has settled both ends of bridge.

Remarks

Assigned Garland 06261 11-14-16



Bent 1, approach roadway has settled.



Approach roadway has settled and has small potholes



Bridge #06078(Routine, Underwater)

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Location: 6.6 MI W JCT US 70

Team Lead: Shane Byrd **Inspection Date:** October 18, 2021



Bent 1, approach roadway has settled.

Date Reported: 10/28/2019
Priority: D- Routine
Type of Work: Clean
Status: Assigned
Component: Substructure

Deficiency Description

Debris piled against the columns at bent 3

Remarks

Assigned Garland 06261 12/4/19



Bent 3, span 3, large tree and debris against column 1.



Bent 2, debris laying against column 1.



Debris at bent 3 column.



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Inspection Comments

job 06308 dwg 26796approach going west

Substructure Notes

Underwater Type 2 performed 10/18/2021. Channel profile and soundings sheet attached.