



Latitude:34.60288, Longitude:-92.92233

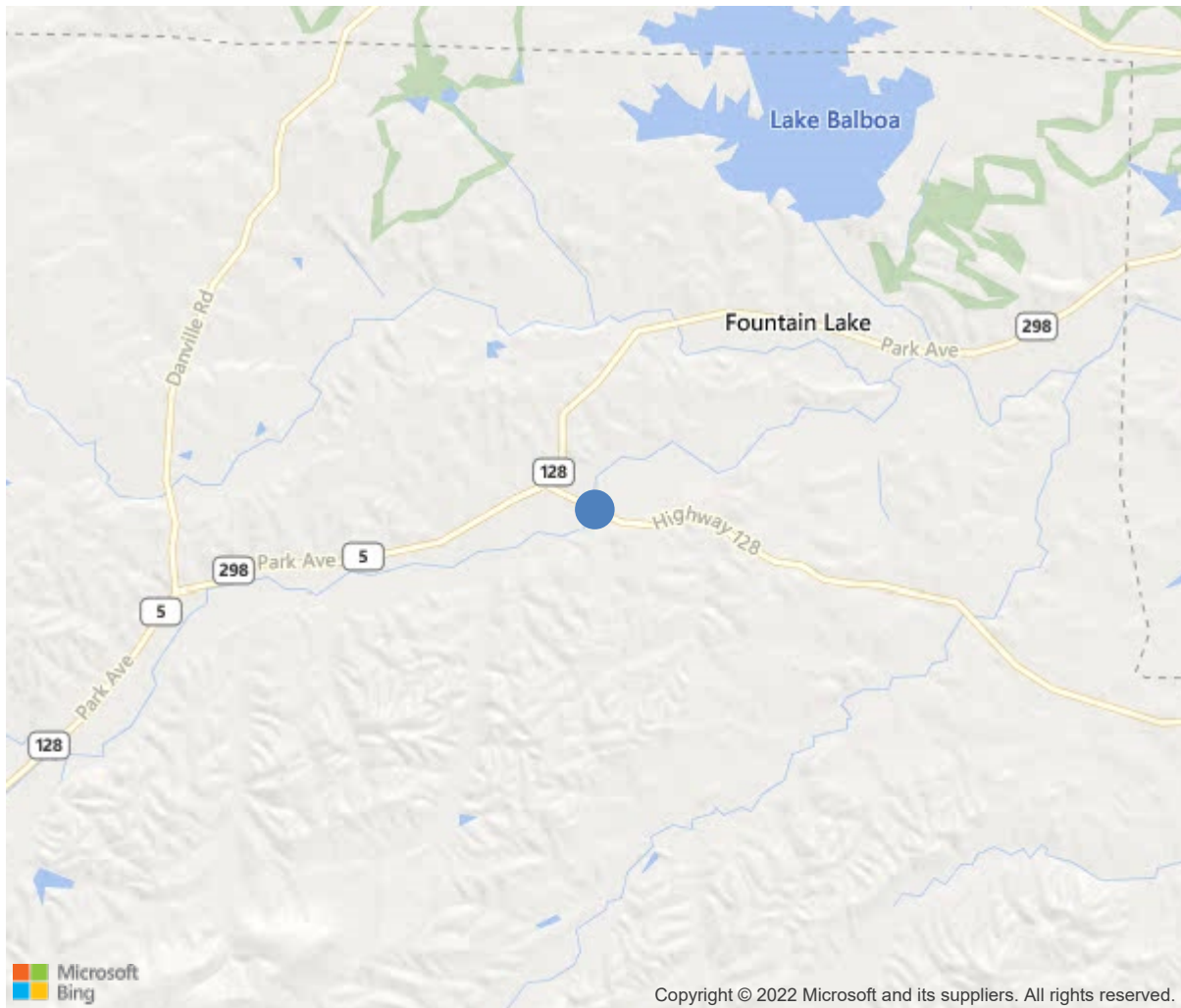
Route:128 Section:11 Log:8.45

Arnold Road ID:26x128x11xA, Arnold Log mile:8.447

District 06, Garland County

Owner: 1-State Highway Agency

.2 MI E JCT SH 5



34.60288, -92.92233





**Bridge #06077**(Routine, Underwater type 2)  
**SH 128-11 Log 8.45 over SO FK SALINE RIVER**

**Location: .2 MI E JCT SH 5**

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06077
(5) Inventory Route	128
(2) Highway Agency District	06
(3) County Code	51-Garland County, Arkansas
(4) Place Code	0
(6) Features Intersected	SO FK SALINE RIVER
(7) Facility Carried	SH 128-11 Log 8.45
(9) Location	.2 MI E JCT SH 5
(11) Mile Point	8.45 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.60288
(17) Longitude	-92.92233
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
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	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	2500
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	56 ft
(49) Structure Length	226 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	0 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	8
(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	49.1
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
Rating	29
(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	4
(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	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.			



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**Location: .2 MI E JCT SH 5**

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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6906	5202	1704	0	0
1120	Efflorescence/Rust Staining	SF	24	0	24	0	0
1130	Cracking (RC and Other)	SF	1680	0	1680	0	0
(12)	Deck has map cracking and unsealed cracks up to 0.020" Soffit overhang has small cracks with efflorescence						
107	Steel Open Girder/Beam	LF	896	896	0	0	0
515	Steel Protective Coating	SF	5525	0	5525	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	5525	0	5525	0	0
(107)	Protective coating has granular texture (107-515) The protective coating has a granular texture.						
205	Reinforced Concrete Column	EA	3	2	1	0	0
6000	Scour	EA	1	0	1	0	0
(205)	Local scour at bent 4 column.						
215	Reinforced Concrete Abutment	LF	90	81	9	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
(215)	Both abutments have small cracks Bent 1 spall in top of back wall.						
234	Reinforced Concrete Pier Cap	LF	87	71	16	0	0
1090	Exposed Rebar	LF	2	0	2	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	13	0	13	0	0
(234)	Caps have small cracks. Bent 3 has crack with efflorescence on the ahead side. Bents 2 and 3 have exposed rebar.						
302	Compression Joint Seal	LF	140	79	61	0	0
2320	Seal Adhesion	LF	46	0	46	0	0



ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
2330 (302)	Seal Damage	LF	15	0	15	0	0
All seals have lost adhesion. Bents 2 and 3 have seal damage.							
311	Movable Bearing	EA	16	0	16	0	0
1000 (311)	Corrosion	EA	16	0	16	0	0
All bearings have minor corrosion.							
313	Fixed Bearing	EA	16	0	12	4	0
1000 (313)	Corrosion	EA	16	0	12	4	0
Bent 1 bearings 2,3 and 4 and bent 2 bearings 2 and 4 have laminating rust. All other bearings have minor corrosion.							
331	Reinforced Concrete Bridge Railing	LF	448	429	19	0	0
1130 (331)	Cracking (RC and Other)	LF	19	0	19	0	0
Both bridge rails have small cracks							



Elevation



Approach westbound





Soffit overhang span 2 left side crack with efflorescence.



Soffit overhang span 2 left side crack with efflorescence.





Bent 2 cap left side ahead face spall with exposed rebar.



Bent 1, bearing 2





Deck overview.



Span 2 longitudinal cracks.





Local scour at bent 4 column.



Bent 1 abutment spall in top of back wall.





Bent 3 cap ahead face crack and crack with efflorescence.



Bent 2 seal damage.





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## Maintenance Needs

**Date Reported:** 10/27/2015  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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## Deficiency Description

Deck has large unsealed cracks

## Remarks

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Span 1, longitudinal cracks.



Deck cracks



Span 2 unsealed cracks in deck up to 0.020"



Span 1, map cracking.





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San 4, longitudinal cracks.



Span 2, longitudinal cracks.

**Date Reported:** 10/28/2019  
**Priority:** C - Important  
**Type of Work:** Clean  
**Status:** Assigned  
**Component:** Substructure

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**Deficiency Description**

logs and debris build up at bent 2

**Remarks**

Assigned Garland 06261 12/4/19

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Bent 2, debris.



Tree and debris against column at bent 2.





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**Date Reported:** 10/18/2021  
**Priority:** C - Important  
**Type of Work:** Clean  
**Status:** Open  
**Component:** Deck

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#### Deficiency Description

Both gutter lines dirt and debris restricting scupper drains.

#### Remarks

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Both gutter lines dirt and debris restricting scupper drains.





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### **Inspection Comments**

job 60308 dwg 26792approach going west

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### **Substructure Notes**

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