



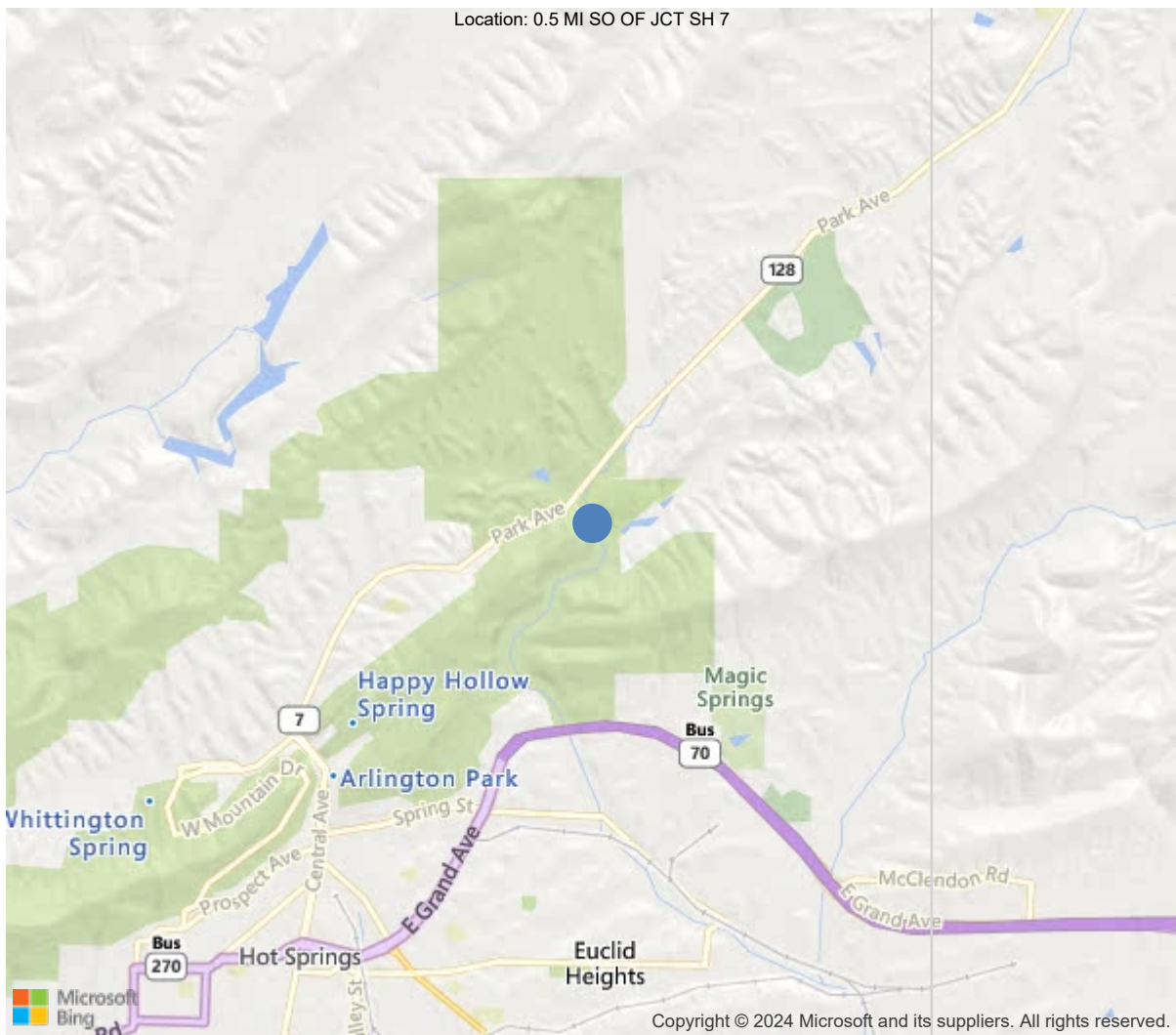
Latitude:34.53399, Longitude:-93.02982

Route:7 Section:09 Log:1.47

Arnold Road ID:26x7x9SxA, Arnold Log mile:1.424

District 06, 51 - Garland County

Owner: 1 - State Highway Agency



34.53399, -93.02982





**Asset #M1322**(Routine, Underwater type 2)

**SH 7 Spur Log 1.47 over GULPHA CREEK**

**Location: 0.5 MI SO OF JCT SH 7**

**Team Lead: Shane Byrd, Inspection Date: 04/26/2022**

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M1322
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	51 - Garland County
(4) Place Code	33400
(6) Features Intersected	GULPHA CREEK
(7) Facility Carried	SH 7 Spur Log 1.47
(9) Location	0.5 MI SO OF JCT SH 7
(11) Mile Point	1.47 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.53399
(17) Longitude	-93.02982
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	111
Material	1 - Concrete
Type	11 - Arch - Deck
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1938
(106) Year Reconstructed	1973
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	7300
(30) Year of ADT	2018
(109) Truck ADT	3 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	20.1 ft
(49) Structure Length	22 ft
(50) Curb or Sidewalk Width	
Left	0.4 ft
Right	0.4 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	30 ft
(32) Approach Roadway Width (W/Shoulders)	24 ft
(33) Bridge Median	0 - No median
(34) Skew	30 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	27.9 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 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	16 - Urban Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(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
(20) Toll	3 - On free road. The structure
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	1 - Bridge is on the National
CONDITION	
(58) Deck	6
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	41
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	24
(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	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(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	5 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	45 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 324
(96) Total Project Cost	\$ 534
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	8149
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	04/26/2022		
(91) Frequency	24		
(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.			



Asset **#M1322**(Routine, Underwater type 2)

**District:** 06, **County:** 51 - Garland County

**Team Lead:** Shane Byrd, **Inspection Date:** 04/26/2022

**General Observation**

Approach going north

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**Asset #M1322**(Routine, Underwater type 2)

**SH 7 Spur Log 1.47 over GULPHA CREEK**

**Location: 0.5 MI SO OF JCT SH 7**

**Team Lead: Shane Byrd, Inspection Date: 04/26/2022**

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	660	660	0	0	0
510	Wearing Surfaces	SF	604	492	112	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	2	0	2	0	0
3220	Crack (Wearing Surface)	SF	110	0	110	0	0
144	Reinforced Concrete Arch	LF	20	5	6	9	0
1080	Delamination/Spall/Patched Area	LF	5	0	0	5	0
1120	Efflorescence/Rust Staining	LF	10	0	6	4	0
(144) Both edges of arch have spalls, cracks with efflorescence scattered throughout.							
215	Reinforced Concrete Abutment	LF	68	64	4	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
220	Reinforced Concrete Pile Cap/Footing	LF	68	0	0	68	0
1190	Abrasion/Wear (PSC/RC)	LF	68	0	0	68	0
(220) All of the footings have abrasion.							
331	Reinforced Concrete Bridge Railing	LF	44	43	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0



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Location: 0.5 MI SO OF JCT SH 7

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## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
38	RC Slab	SF	660	660	0	0	0
510	Wearing Surfaces	SF	604	492	112	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	2	0	2	0	0
3220	Crack (Wearing Surface)	SF	110	0	110	0	0

ELEMENTS		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
144		Reinforced Concrete Arch	LF	20	5	6	9	0
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1120		Efflorescence/Rust Staining	LF	10	0	6	4	0
(144) Both edges of arch have spalls, cracks with efflorescence scattered throughout.								



## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	68	64	4	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
220	Reinforced Concrete Pile Cap/Footing	LF	68	0	0	68	0
1190	Abrasion/Wear (PSC/RC)	LF	68	0	0	68	0
(220) All of the footings have abrasion.							



Elevation.



Elevation.



Deck overview.



Soffit.





Approach Northbound.

Item 107 - Deck Structure Type

1 digit

Record the type of deck system on the bridge. If more than one type of deck system is on the bridge, code the most predominant. Code N for a filled culvert or arch with the approach roadway section carried across the structure. Use one of the following codes:



Cracks in the wearing surface.



Spall on left side of arch.





Spall on right side of arch.



Cracks with efflorescence in the arch.



Bent 1 footing has severe abrasion common bent 2.

**Maintenance Needs**

**Date Reported:** 07/27/2015

**Priority:** C - Important

**Type of Work:** (Inactive) (Inactive) 9 - None

**Status:** Monitor

**Component:**

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**Deficiency Description**

Southwest wing wall leaning on at top six inches. The gap is up to 6 3/4" as of 2020.

**Remarks**

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South end of bridge left wing wall has settled and separated from bridge.



Southwest wing wall leaning on at top six inches.





South west wing wall is leaning.



The southwest wing wall has a 6 3/4" gap, leaning away from the bridge at the top.





Southwest wing wall leaning on at top six inches. The gap is up to 6 3/4" as of 2022 no change.



Southwest wing wall leaning on at top six inches. The gap is up to 6 3/4" as of 2022 no change.



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**Location: 0.5 MI SO OF JCT SH 7**

**Team Lead: Shane Byrd, Inspection Date: 04/26/2022**

## **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	



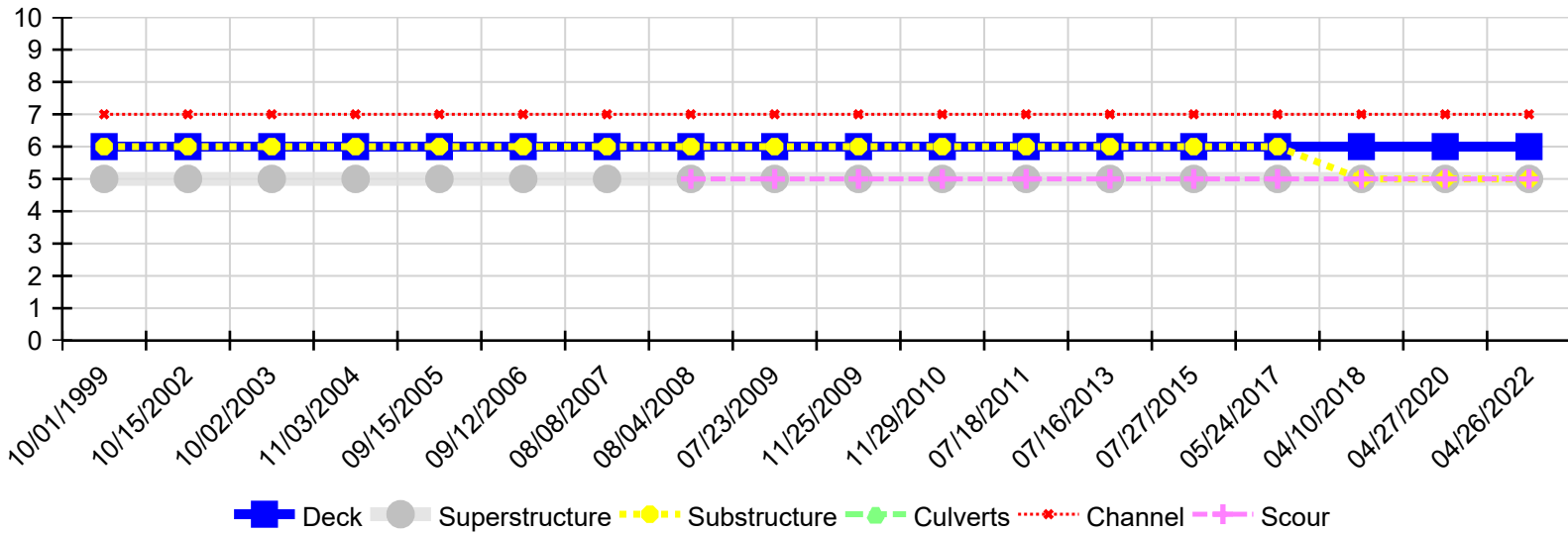
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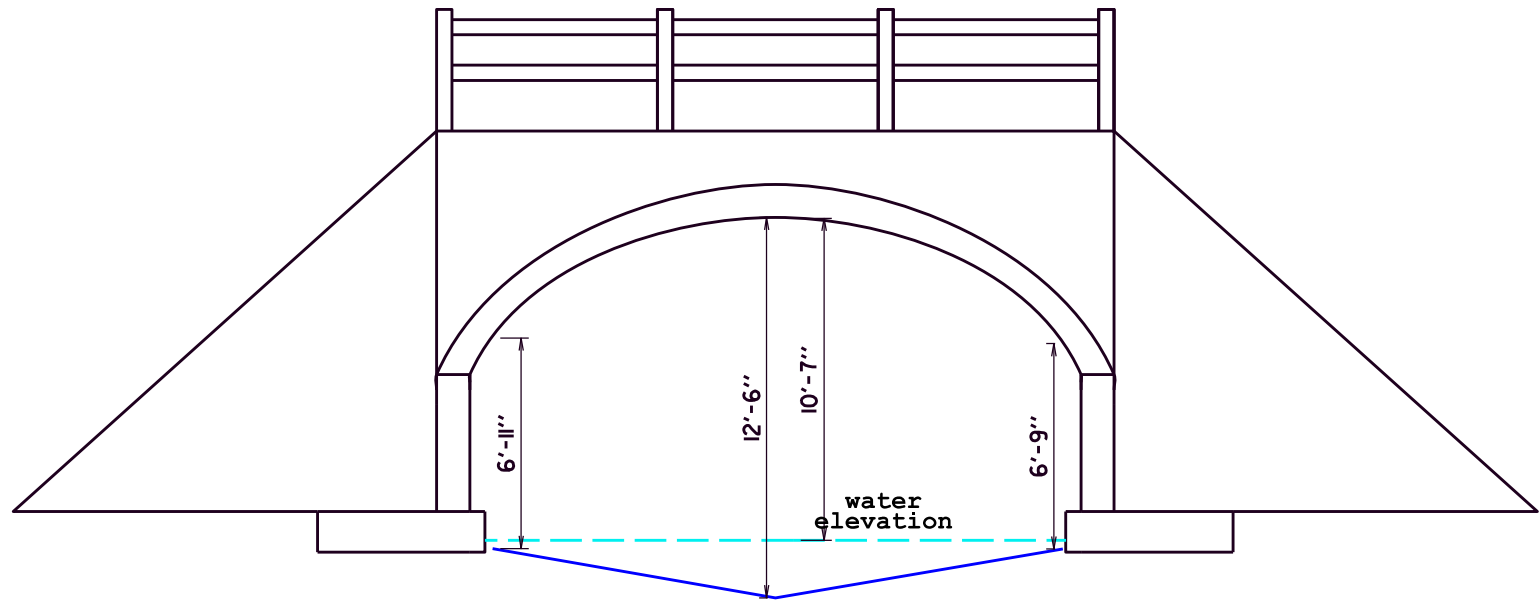
### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/26/2022	6	5	5	N	7	5
04/27/2020	6	5	5	N	7	5
04/10/2018	6	5	5	N	7	5
05/24/2017	6	5	6	N	7	5
07/27/2015	6	5	6	N	7	5
07/16/2013	6	5	6	N	7	5
07/18/2011	6	5	6	N	7	5
11/29/2010	6	5	6	N	7	5
11/25/2009	6	5	6	N	7	5
07/23/2009	6	5	6	N	7	5
08/04/2008	6	5	6	N	7	5
08/08/2007	6	5	6	N	7	N
09/12/2006	6	5	6	N	7	N
09/15/2005	6	5	6	N	7	N
11/03/2004	6	5	6	N	7	N
10/02/2003	6	5	6	N	7	N
10/15/2002	6	5	6	N	7	N
10/01/1999	6	5	6	N	7	N



Left Side 4/27/2022



Right Side 4/27/2022

