



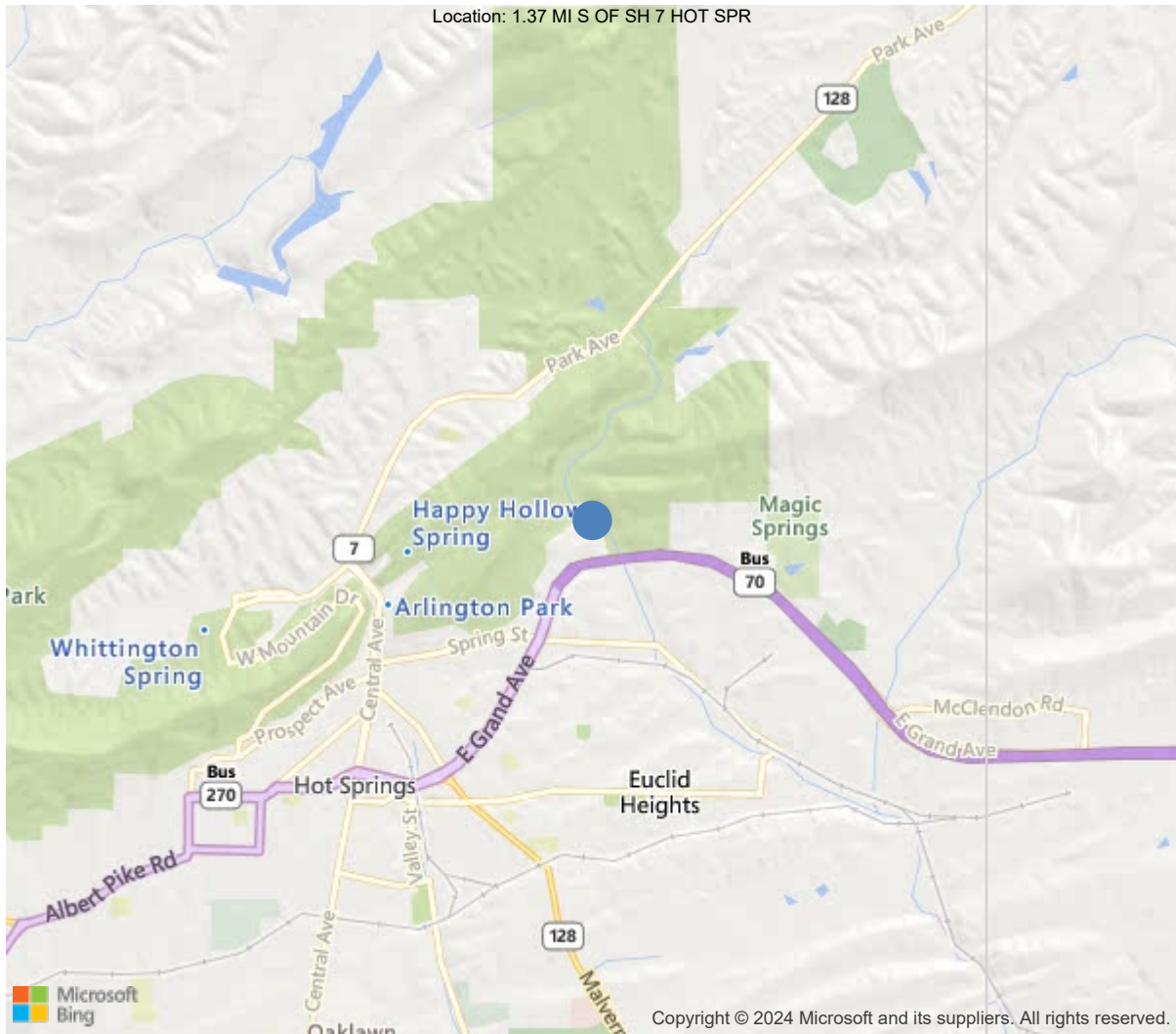
Latitude:34.52189, Longitude:-93.03464

Route:7 Section:09 Log:0.25

Arnold Road ID:26x7x9SxA, Arnold Log mile:0.241

District 06, 51 - Garland County

Owner: 1 - State Highway Agency



34.52189, -93.03464



Asset #M1319(Routine, Underwater type 2)

SH 7 Spur Log 0.25 over GULPHA CREEK

Location: 1.37 MI S OF SH 7 HOT SPR

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M1319
(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 0.25
(9) Location	1.37 MI S OF SH 7 HOT SPR
(11) Mile Point	0.25 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.52189
(17) Longitude	-93.03464
(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	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	1938
(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	7900
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	41.4 ft
(49) Structure Length	45.4 ft
(50) Curb or Sidewalk Width	
Left	0.4 ft
Right	0.4 ft
(51) Bridge Roadway Width Curb to Curb	26.9 ft
(52) Deck Width Out to Out	30 ft
(32) Approach Roadway Width (W/Shoulders)	26.9 ft
(33) Bridge Median	0 - No median
(34) Skew	10 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 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	1 - Bridge is on the National
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	6
(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	40
(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	7
(72) Approach Roadway Alignment	6
(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	70 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 324
(96) Total Project Cost	\$ 599
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	11567
(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 **#M1319**(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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SH 7 Spur Log 0.25 over GULPHA CREEK

Location: 1.37 MI S OF SH 7 HOT SPR

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	1380	1380	0	0	0
1130	Cracking (RC and Other)	SF	0	0	0	0	0
510	Wearing Surfaces	SF	1219	1033	186	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	4	0	4	0	0
3220	Crack (Wearing Surface)	SF	182	0	182	0	0
(38) Potholes in southbound lanes							
(510-38) Cracks and patches in wearing surface.							
144	Reinforced Concrete Arch	LF	46	33	13	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
(144) Cracks and small spalls in the arch.							
215	Reinforced Concrete Abutment	LF	62	62	0	0	0
220	Reinforced Concrete Pile Cap/Footing	LF	20	8	12	0	0
1190	Abrasion/Wear (PSC/RC)	LF	6	0	6	0	0
6000	Scour	LF	6	0	6	0	0
(220) Bt. 1 has 4" of abrasion.							
Bt. 2 has been undermined 6" but supported by solid rock formation.							
331	Reinforced Concrete Bridge Railing	LF	91	91	0	0	0
1130	Cracking (RC and Other)	LF	0	0	0	0	0

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	1380	1380	0	0	0
1130	Cracking (RC and Other)	SF	0	0	0	0	0
510	Wearing Surfaces	SF	1219	1033	186	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	4	0	4	0	0
3220	Crack (Wearing Surface)	SF	182	0	182	0	0
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215	Reinforced Concrete Abutment	LF	62	62	0	0	0
220	Reinforced Concrete Pile Cap/Footing	LF	20	8	12	0	0
1190	Abrasion/Wear (PSC/RC)	LF	6	0	6	0	0
6000	Scour	LF	6	0	6	0	0
(220) Bt. 1 has 4" of abrasion. Bt. 2 has been undermined 6" but supported by solid rock formation.							



Elevation.



Elevation.



Deck overview.



Soffit.



Approach Northbound.



Potholes in southbound lane.



Crack in left side of arch.



Bent 2 left side of arch crack.



Spall on left side of arch.



Bent 1 has 6' of abrasion on right end.



Bt. 2 has been undermined 6" but supported by solid rock formation.



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

Maintenance Needs

Date Reported: 04/27/2022

Priority: D- Routine

Type of Work: Repair (General)

Status: Open

Component: Element

Deficiency Description

South bound lane has potholes in the asphalt wearing surface.

Remarks



Potholes in southbound lane.



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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	



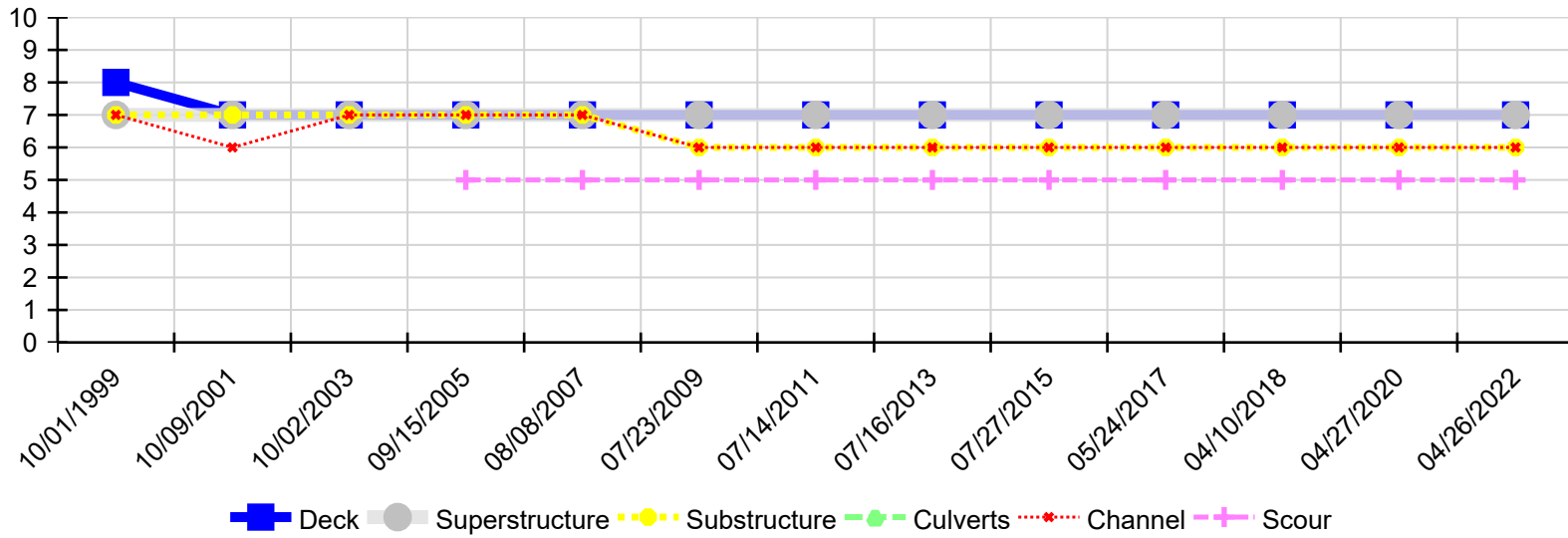
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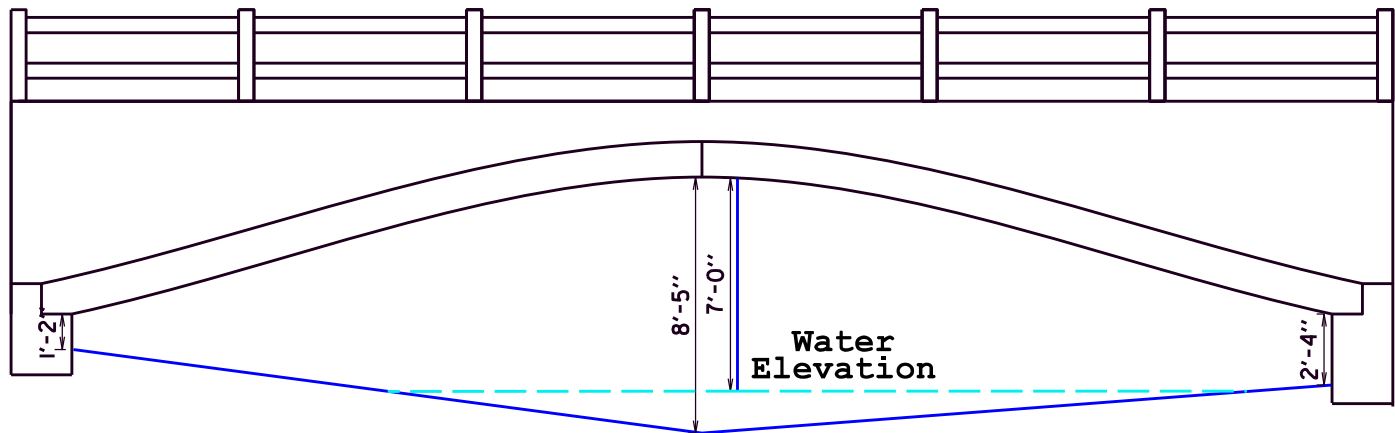
Team Lead: Shane Byrd, Inspection Date: 04/26/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/26/2022	7	7	6	N	6	5
04/27/2020	7	7	6	N	6	5
04/10/2018	7	7	6	N	6	5
05/24/2017	7	7	6	N	6	5
07/27/2015	7	7	6	N	6	5
07/16/2013	7	7	6	N	6	5
07/14/2011	7	7	6	N	6	5
07/23/2009	7	7	6	N	6	5
08/08/2007	7	7	7	N	7	5
09/15/2005	7	7	7	N	7	5
10/02/2003	7	7	7	N	7	N
10/09/2001	7	7	7	N	6	N
10/01/1999	8	7	7	N	7	N

Left Side4/27/2022



Right Side4/27/2022

