



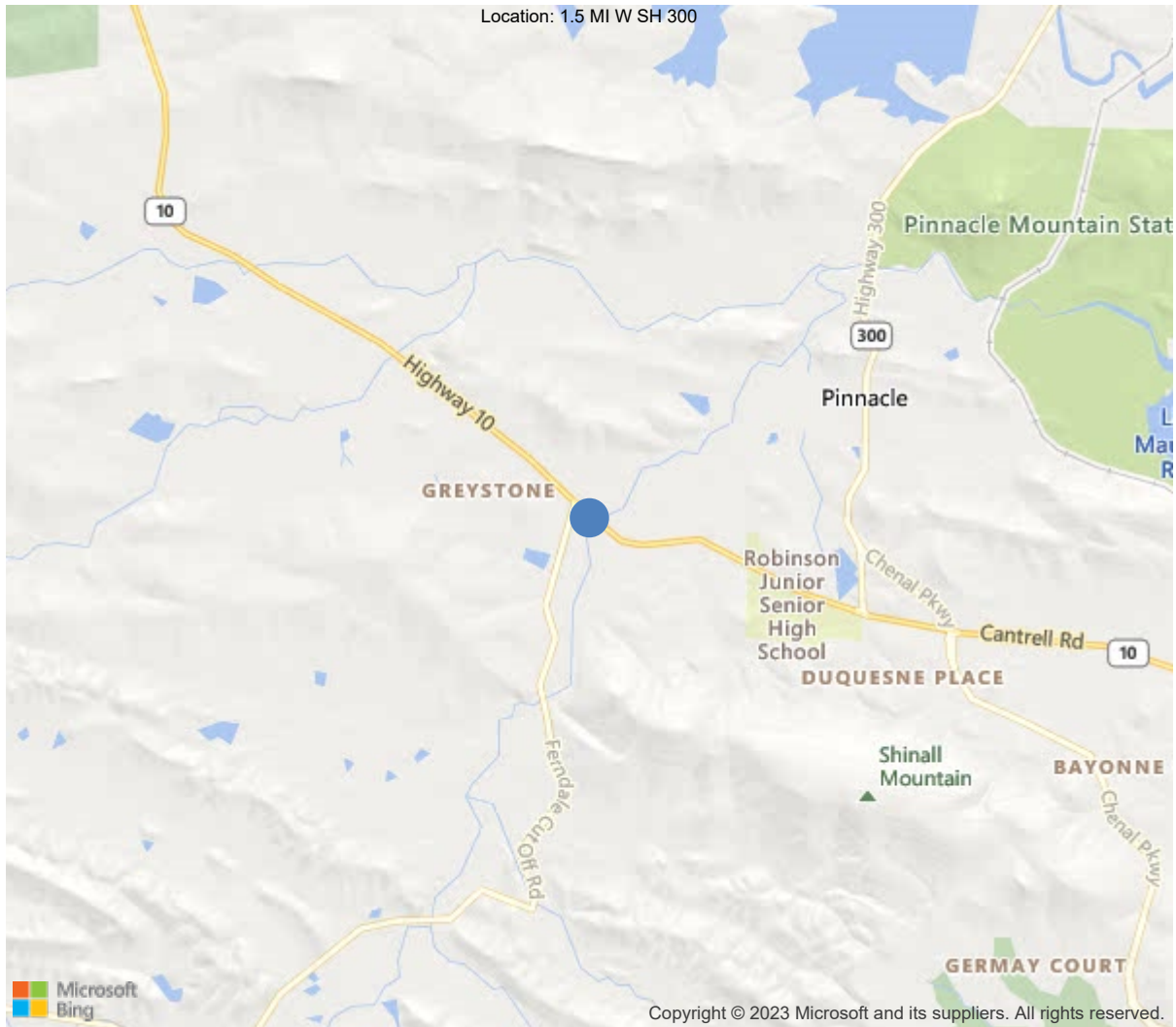
Latitude:34.81934, Longitude:-92.52121

Route:10 Section:07 Log:16.236

Arnold Road ID:60x10x7xA, Arnold Log mile:16.223

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency



34.81934, -92.52121



Asset #02365(Routine)

SH 10 Log 16.24 over Little Maumelle River

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, Inspection Date: 09/16/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02365
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	0
(6) Features Intersected	Little Maumelle River
(7) Facility Carried	SH 10 Log 16.24
(9) Location	1.5 MI W SH 300
(11) Mile Point	16.236 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000010070
(16) Latitude	34.81934
(17) Longitude	-92.52121
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
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	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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1948
(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	4000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	65 ft
(49) Structure Length	172 ft
(50) Curb or Sidewalk Width	
Left	2 ft
Right	2 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	31 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 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	30.2 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	2 - Rural Principal 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	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	5
(60) Substructure	6
(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	45
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	27
(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	3
(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	8 - Bridge foundations determined to
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	203 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 156
(96) Total Project Cost	\$ 609
(97) Year of Improvement Cost Estimate	2004
(114) Future ADT	5574
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/16/2021		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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 #02365(Routine)

District: 06, County: 119 - Pulaski County

Team Lead: Chris Doggett, Inspection Date: 09/16/2021

General Observation

Job#6307 Drawing#6687 for layout Logged East bound.
Boat needed.

A-46 - Asset Files

-



Asset #02365(Routine)

SH 10 Log 16.24 over Little Maumelle River

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, Inspection Date: 09/16/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4639	4383	256	0	0
1120	Efflorescence/Rust Staining	SF	1	0	1	0	0
1130	Cracking (RC and Other)	SF	255	0	255	0	0
510	Wearing Surfaces	SF	4427	3321	1106	0	0
3220	Crack (Wearing Surface)	SF	1106	0	1106	0	0
(12) Deck has an asphalt overlay. Soffit has small crack with light effloresces.							
107	Steel Open Girder/Beam	LF	681	0	681	0	0
1000	Corrosion	LF	681	0	681	0	0
515	Steel Protective Coating	SF	5584	0	0	2857	2727
3440	Effectiveness (Steel Protective Coatings)	LF	5584	0	0	2857	2727
(107) Surface rust with light to moderate pitting on all beams.							
205	Reinforced Concrete Column	EA	4	0	4	0	0
1190	Abrasion/Wear (PSC/RC)	EA	4	0	4	0	0
(205) Abrasion and local scour effecting all columns							
210	Reinforced Concrete Pier Wall	LF	48	0	47	1	0
1090	Exposed Rebar	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
1190	Abrasion/Wear (PSC/RC)	LF	45	0	45	0	0
(210) Bent 3 right side spall with rebar. Bents 2 & 3 have minor local scour. Bents 2 & 3 have small vertical crack.							
215	Reinforced Concrete Abutment	LF	112	110	2	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(215) Abutment 1, left side under beam 1 cracks.							
234	Reinforced Concrete Pier Cap	LF	52	45	3	4	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(234) Bent 2 cap ahead side 4' delam between beams 3&4.							
311	Movable Bearing	EA	12	0	0	12	0
1000	Corrosion	EA	12	0	0	12	0
(311) All bearings have measurable section loss.							
313	Fixed Bearing	EA	4	0	4	0	0



Asset #02365(Routine)

SH 10 Log 16.24 over Little Maumelle River

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, Inspection Date: 09/16/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1000	Corrosion	EA	4	0	4	0	0
(313) All bearings have measurable section loss.							
331	Reinforced Concrete Bridge Railing	LF	341	323	12	6	0
1080	Delamination/Spall/Patched Area	LF	12	0	12	0	0
1090	Exposed Rebar	LF	6	0	0	6	0

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, **Inspection Date:** 09/16/2021

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4639	4383	256	0	0
1120	Efflorescence/Rust Staining	SF	1	0	1	0	0
1130	Cracking (RC and Other)	SF	255	0	255	0	0
510	Wearing Surfaces	SF	4427	3321	1106	0	0
3220	Crack (Wearing Surface)	SF	1106	0	1106	0	0
(12) Deck has an asphalt overlay. Soffit has small crack with light effloresces.							

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, **Inspection Date:** 09/16/2021

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	681	0	681	0	0
1000	Corrosion	LF	681	0	681	0	0
515	Steel Protective Coating	SF	5584	0	0	2857	2727
3440	Effectiveness (Steel Protective Coatings)	LF	5584	0	0	2857	2727
(107) Surface rust with light to moderate pitting on all beams.							

Asset #02365(Routine)
SH 10 Log 16.24 over Little Maumelle River



Asset #02365(Routine)

SH 10 Log 16.24 over Little Maumelle River

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, Inspection Date: 09/16/2021

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Bent 2: bearing with measurable section loss to the sole plate.



Bent 2: ahead side of cap has delma between beams 3&4.



Soffit view



Span 1, girder 1: Typical condition of the paint condition on the girders.



Bent 1, girder 1: bearing with section loss.



Deck view



Inventory looking east



Span 2 beam 4 surface rust with minor pitting. Common all beams.

Maintenance Needs

Date Reported: 10/20/2011
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Surface rust with light to moderate pitting on all beams with peeling paint.

Remarks



Span 1, girder 1: Typical condition of the paint condition on the girders.



Span 1 beam 3 surface rust with light to moderate pitting. Common on all beams.

Date Reported: 09/30/2019
Priority: C - Important
Type of Work: (Inactive) (Inactive) 1 - Clean
Status: RepairDocumented
Component: Channel

Deficiency Description

Bent 3 upstream end tree restricting water flow.

Remarks

Removed tree

Assigned Pulaski 3 06603 12/4/19





Asset #02365(Routine)

SH 10 Log 16.24 over Little Maumelle River

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, **Inspection Date:** 09/16/2021

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	



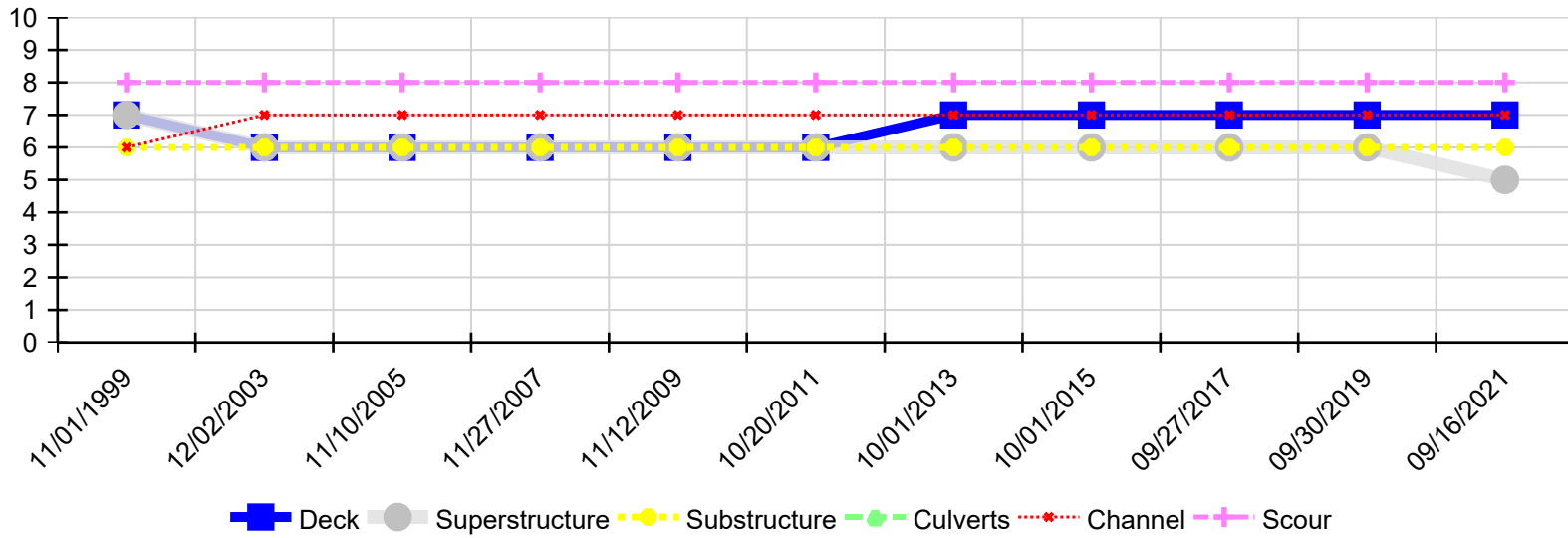
Asset #02365(Routine)

SH 10 Log 16.24 over Little Maumelle River

Location: 1.5 MI W SH 300

Team Lead: Chris Doggett, Inspection Date: 09/16/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/16/2021	7	5	6	N	7	8
09/30/2019	7	6	6	N	7	8
09/27/2017	7	6	6	N	7	8
10/01/2015	7	6	6	N	7	8
10/01/2013	7	6	6	N	7	8
10/20/2011	6	6	6	N	7	8
11/12/2009	6	6	6	N	7	8
11/27/2007	6	6	6	N	7	8
11/10/2005	6	6	6	N	7	8
12/02/2003	6	6	6	N	7	8
11/01/1999	7	7	6	N	6	8