



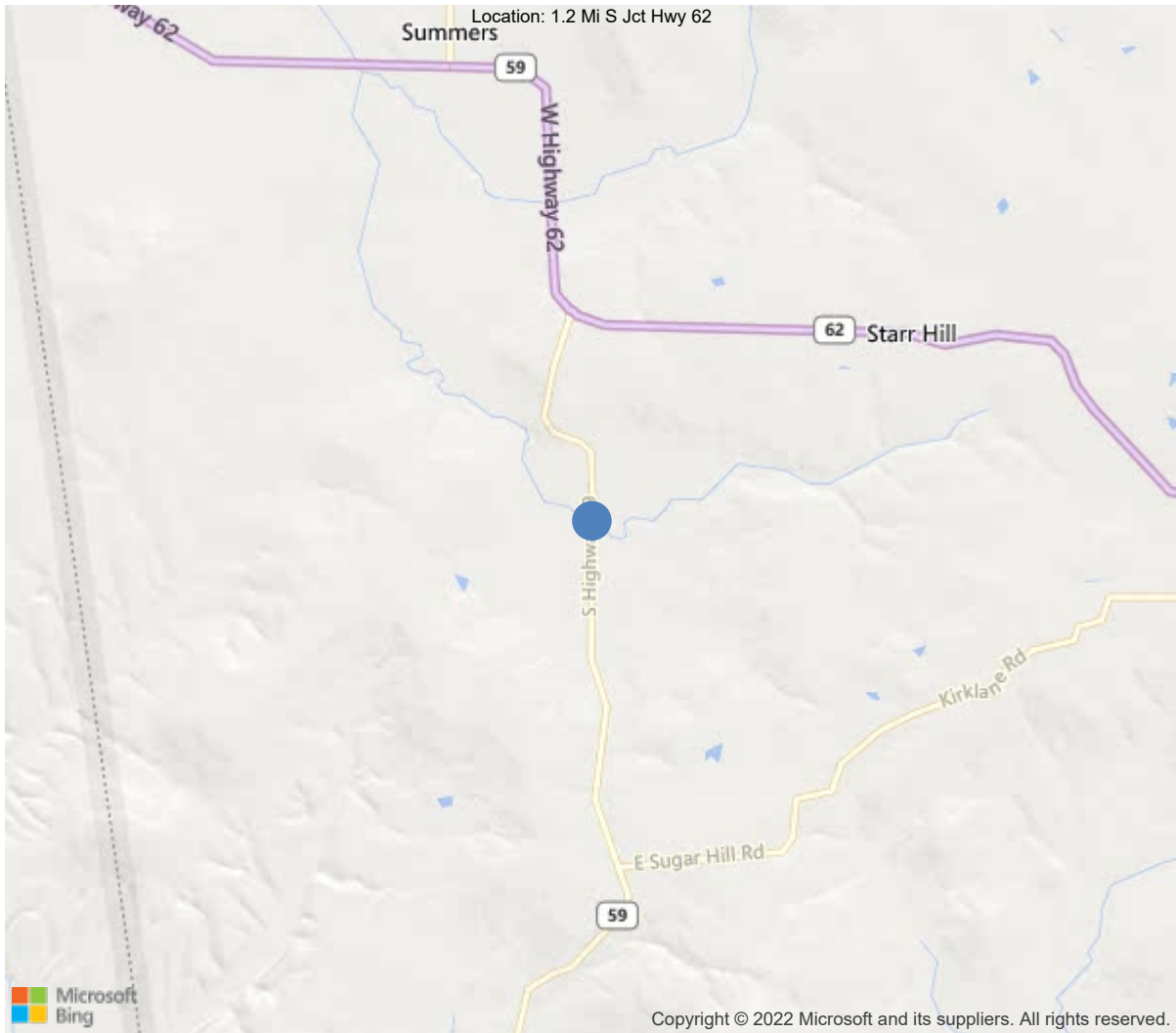
Latitude:35.94620, Longitude:-94.47888

Route:59 Section:04 Log:1.2

Arnold Road ID:72x59x4xA, Arnold Log mile:1.201

District 04, 143 - Washington County

Owner: 1 - State Highway Agency



35.94620, -94.47888



Asset #X1298(Routine)

State Highway 59 over Ballard Creek - Wash. Co

Location: 1.2 Mi S Jct Hwy 62

Team Lead: Lee Swan, Inspection Date: 12/07/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X1298
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	143 - Washington County
(4) Place Code	0
(6) Features Intersected	Ballard Creek - Wash. Co
(7) Facility Carried	State Highway 59
(9) Location	1.2 Mi S Jct Hwy 62
(11) Mile Point	1.2 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000059040
(16) Latitude	35.9462
(17) Longitude	-94.47888
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	5
(46) No. of Approach Spans	0
(107) Deck Structure Type	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
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	2011
(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	840
(30) Year of ADT	2018
(109) Truck ADT	15 %
(19) Bypass, Detour Length	15 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	11 ft
(49) Structure Length	56 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	29.9 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	99.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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	5 - None present but re-evalua
(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	6 - Rural 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	4 - Historical significance is
CONDITION	
(58) Deck	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	6
(62) Culverts	7
LOAD RATING AND POSTING	
(31) Design Load	6 - MS 18+Mod / HS 20+Mod
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	34
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	20
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	N - Not applicable or a safety feat
(36B) Transitions	N - Not applicable or a safety feat
(36C) Approach Guardrail	N - Not applicable or a safety feat
(36D) Approach Guardrail Ends	N - Not applicable or a safety feat
(113) Scour Critical Bridges	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	1700
(115) Year of Future ADT	2029

INSPECTIONS *			
(90) Inspection Date	12/07/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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 #X1298(Routine)

District: 04, County: 143

Team Lead: Lee Swan, Inspection Date: 12/07/2022

#### A-46 - Asset Files

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#### A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6)

Both inlet and outlet ends hav3 minor scour with up to 2' of scour on the inlet end.

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## State Highway 59 over Ballard Creek - Wash. Co

**Location: 1.2 Mi S Jct Hwy 62**

**Team Lead:** Lee Swan, **Inspection Date:** 12/07/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	335	261	36	38	0
1120	Efflorescence/Rust Staining	LF	43	0	5	38	0
1130	Cracking (RC and Other)	LF	29	0	29	0	0
6000	Scour	LF	2	0	2	0	0
(241) 12/12/2022-RLS & ADC- There is scour up to 2' deep on the inlet end and 1' deep on the outlet end of the culvert. -No other noteworthy changes since last inspection.							
01/31/2019 - JCJ & TJL - Transverse cracking at variable spacing in the top slab that has efflorescence and mineral staining. The walls have vertical cracking with areas of efflorescence and mineral staining. The bottom slab in Barrels # 4 & 5 have a thin layer of silt covering most of the concrete floor but does not have any noteworthy deficiencies in the exposed areas. There is vertical cracking with efflorescence in the Southeast wing wall. There are no apparent changes since the last inspection.							



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State Highway 59 over Ballard Creek - Wash. Co

Location: 1.2 Mi S Jct Hwy 62

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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4





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State Highway 59 over Ballard Creek - Wash. Co

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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
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## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
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Elevation



Inventory



Barrel 1 soffit, rust staining and efflorescence.



Exterior wall barrel 1, rust staining.





Barrel 4 soffit, rust staining and efflorescence.



Barrel 5 outside wall.



Inlet end at barrel,3, scour



Inlet end at barrel,3, scour



Inlet end at barrel,3, scour



Inlet end at barrel,3, scour



Upstream channel, inlet end of barrels 4 and 5, the channel has silted in.



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**State Highway 59 over Ballard Creek - Wash. Co**

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## **Maintenance Needs**



Asset #X1298(Routine)

State Highway 59 over Ballard Creek - Wash. Co

Location: 1.2 Mi S Jct Hwy 62

Team Lead: Lee Swan, Inspection Date: 12/07/2022

## Routine Maintenance

Check Box Maintenance Items

Data Field	Value
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 - Hydo and LMC Advised	



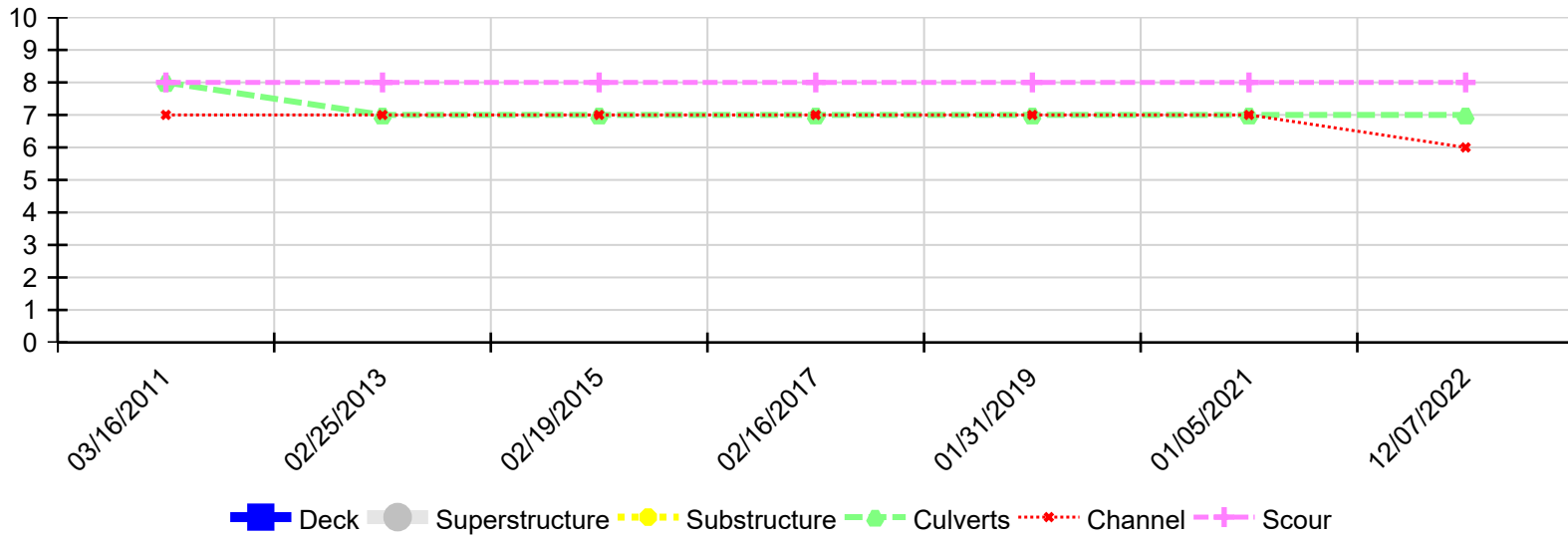
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State Highway 59 over Ballard Creek - Wash. Co

Location: 1.2 Mi S Jct Hwy 62

Team Lead: Lee Swan, Inspection Date: 12/07/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
12/07/2022	N	N	N	7	6	8
01/05/2021	N	N	N	7	7	8
01/31/2019	N	N	N	7	7	8
02/16/2017	N	N	N	7	7	8
02/19/2015	N	N	N	7	7	8
02/25/2013	N	N	N	7	7	8
03/16/2011	N	N	N	8	7	8