



Latitude:35.75645, Longitude:-90.12016

Route:158 Section:01 Log:11.56

Arnold Road ID:47x158x1xA, Arnold Log mile:11.584

District 10, Mississippi County

Owner: 1-State Highway Agency

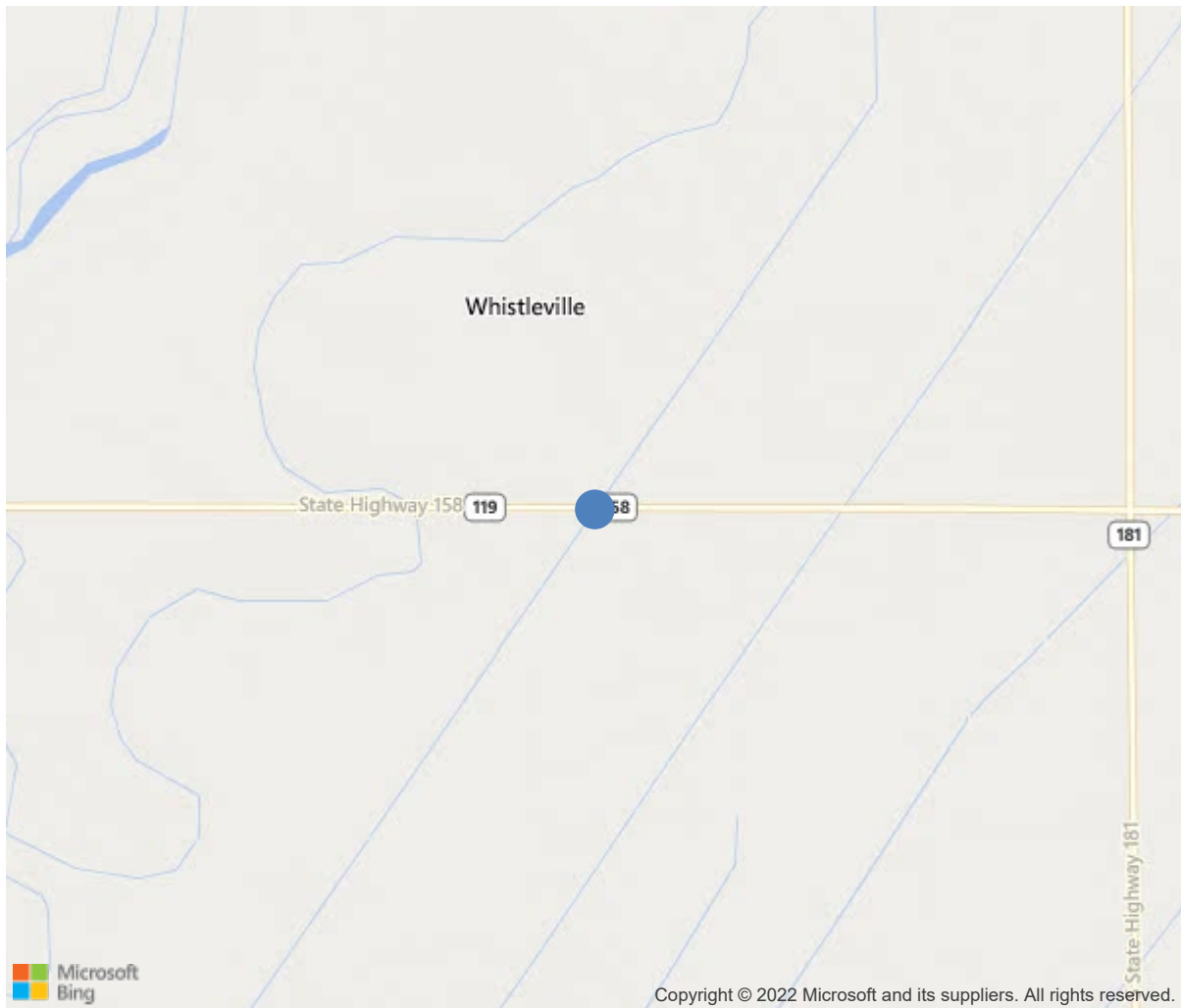


Bridge #06461 (Routine)  
SH 158-01-LM 11.56 over KOCHTITKI DITCH

Location: 2.7 MI W JCT SH 181

Team Lead: Tim Myrick Inspection Date: February 25, 2021

2.7 MI W JCT SH 181



35.75645, -90.12016

Inspection Direction : E to W



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06461
(5) Inventory Route	158
(2) Highway Agency District	10
(3) County Code	93-Mississippi County, Arkansa
(4) Place Code	0
(6) Features Intersected	KOCHTITKI DITCH
(7) Facility Carried	SH 158-01-LM 11.56
(9) Location	2.7 MI W JCT SH 181
(11) Mile Point	11.56 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.75645
(17) Longitude	-90.12016
(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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1993
(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	500
(30) Year of ADT	2014
(109) Truck ADT	13 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	73 ft
(49) Structure Length	194 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	29.9 ft
(33) Bridge Median	0-No median
(34) Skew	30 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	31.2 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 water
(111) Pier Protection	5-None present but re-evaluation
(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	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	36
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(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	5-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	
(114) Future ADT	598
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	02/2021		
(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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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6265	6098	122	45	0
1080	Delamination/Spall/Patched Area	SF	7	0	0	7	0
1090	Exposed Rebar	SF	2	0	2	0	0
1120	Efflorescence/Rust Staining	SF	38	0	0	38	0
1130	Cracking (RC and Other)	SF	120	0	120	0	0
107	Steel Open Girder/Beam	LF	955	955	0	0	0
515	Steel Protective Coating	SF	8623	8623	0	0	0
215	Reinforced Concrete Abutment	LF	129	113	0	16	0
1120	Efflorescence/Rust Staining	LF	16	0	0	16	0
225	Steel Pile	EA	10	10	0	0	0
515	Steel Protective Coating	SF	1055	1055	0	0	0
234	Reinforced Concrete Pier Cap	LF	77	77	0	0	0
302	Compression Joint Seal	LF	75	0	0	75	0
2320	Seal Adhesion	LF	75	0	0	75	0
310	Elastomeric Bearing	EA	20	20	0	0	0
321	Reinforced Concrete Approach Slab	SF	1606	1440	0	166	0
1130	Cracking (RC and Other)	SF	166	0	0	166	0
331	Reinforced Concrete Bridge Railing	LF	387	300	54	33	0
1120	Efflorescence/Rust Staining	LF	32	0	0	32	0
1130	Cracking (RC and Other)	LF	55	0	54	1	0







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Location: 2.7 MI W JCT SH 181

Team Lead: Tim Myrick Inspection Date: February 25, 2021

## Maintenance Needs

**Date Reported:** 03/15/2011  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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## Deficiency Description

Top of Deck has moderate size and density sealable cracks.  
Overhangs have some cracking with efflorescence.

## Remarks

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**Date Reported:** 03/15/2011  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Bridge

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**Deficiency Description**

Erosion under Spans 1&3 due to roadway runoff see 2017 photo of Span 3.  
Moderate erosion beside bridge north side of span 3, see 2019 photo.

**Remarks**

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Span 3 RT Side



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Team Lead: Tim Myrick Inspection Date: February 25, 2021

Date Reported: 02/15/2013  
Priority: G - General/ Preventive maintenance  
Type of Work: Clean  
Status: Monitor  
Component: 515 - 107 - Steel Open Girder/Beam

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#### Deficiency Description

Weathering Steel Girders  
have some areas of light rust forming especially on ends and splice plates.

#### Remarks

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Team Lead: Tim Myrick Inspection Date: February 25, 2021

Date Reported: 02/15/2013  
Priority: G - General/ Preventive maintenance  
Type of Work: Repair  
Status: Monitor  
Component: 331 - Reinforced Concrete Bridge Railing

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#### Deficiency Description

Parapet Walls  
have some cracking with efflorescence visible.

#### Remarks

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**Team Lead:** Tim Myrick **Inspection Date:** February 25, 2021

**Date Reported:** 02/15/2013  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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#### **Deficiency Description**

Bottom of Deck.  
A few rusted areas bottom of stay in places forms under sawed joints.

#### **Remarks**

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**Date Reported:** 02/14/2017  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** 515 - 225 - Steel Pile

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**Deficiency Description**

Bents 2&3 Piles Encasements have the bottom 5ft. rusted, see 2017 photo of Bent 2 for typical.

**Remarks**

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Team Lead: Tim Myrick Inspection Date: February 25, 2021

Date Reported: 02/14/2017  
Priority: C - Important  
Type of Work: Repair  
Status: Monitor  
Component: Deck

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#### Deficiency Description

Joints Road Irons are rusted with some section loss causing compression seal to loss adhesion.

#### Remarks

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## Inspection Comments

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## Deck Notes

Approach Slabs have some minor cracks.

Parapet rails have some cracking with efflorescence.

Top of Deck has moderate width cracks.

Bottom of Deck Stay in Place Forms have a few rusted areas under sawed joints and overhangs have some cracking with efflorescence & exposed rebar.

Road Irons are rusted with some section loss causing compression seal to loose adhesion.

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## Superstructure Notes

Weathering Steel Girders have some areas of light rust forming especially on ends over abutments and splice plates.

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## Substructure Notes

Bents 2&3 Pile Encasements have the bottom 5ft. rusted, see 2017 photo of Bent 2.

Back wall portion of abutments have moderate width cracks with efflorescence.

Minor Erosion under Spans 1&3 due to roadway runoff, see 2017 photo of Span 3.

Moderate erosion beside bridge north side of span 3, see 2019 photo.

Trees growing beside bridge.