



Latitude:35.83552, Longitude:-90.74963

Route:60840 Section:00 Log:2.58

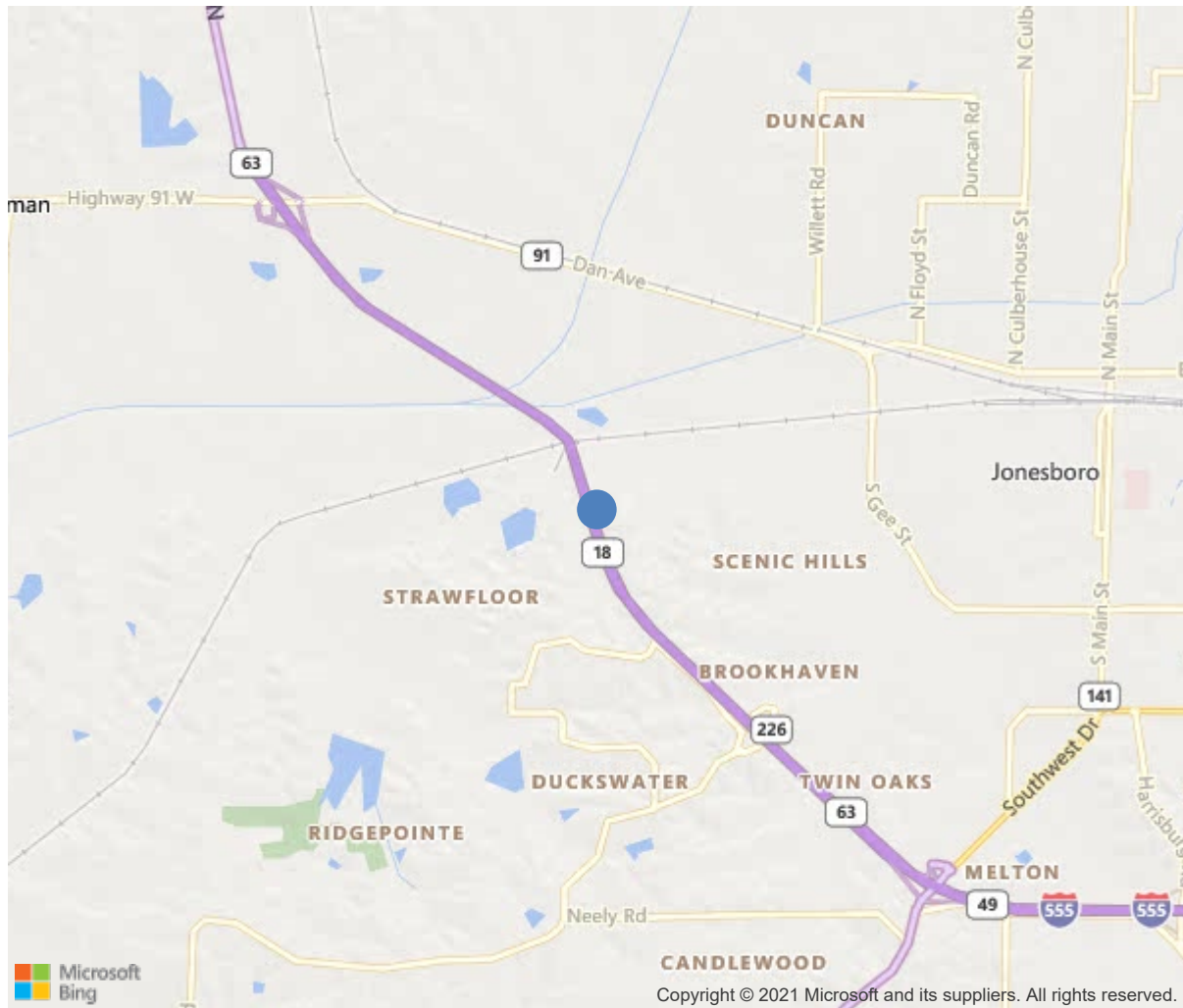
Arnold Road ID:16xWWASHINGTONAVEx1xA, Arnold Log mile:2.577

District 10, Craighead County

Owner: 1-State Highway Agency

**Team Lead:** Richard Jones **Inspection Date:** August 18, 2020

2.6 Mi W of Main St



35.83552, -90.74963



Bridge #07028(Routine)

Washington Ave. over US Hwy 63-06

Location: 2.6 Mi W of Main St

Team Lead: Richard Jones Inspection Date: August 18, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07028
(5) Inventory Route	60840
(2) Highway Agency District	10
(3) County Code	31-Craighead County, Arkansas
(4) Place Code	0
(6) Features Intersected	US Hwy 63-06
(7) Facility Carried	Washington Ave.
(9) Location	2.6 Mi W of Main St
(11) Mile Point	2.58 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.83552
(17) Longitude	-90.74963
(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	4
(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	2006
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	4755
(30) Year of ADT	2005
(109) Truck ADT	8 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	79 ft
(49) Structure Length	275 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43.2 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	17.95 ft
Ref:	
(55) Min Lat Underclear RT	33.5 ft
Ref:	
(56) Min Lat Underclear LT	8 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	16-Urban Minor Arterial
(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	4-Historical significance is not dete
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	N
(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	4
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	8
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	N-Bridge not over waterway.
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	0
(114) Future ADT	6381
(115) Year of Future ADT	2025

INSPECTIONS *			
(90) Inspection Date			08/2020
(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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Washington Ave. over US Hwy 63-06

Location: 2.6 Mi W of Main St

Team Lead: Richard Jones, Inspection Date: August 18, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	11871	10251	1429	191	0
1120	Efflorescence/Rust Staining	SF	50	0	50	0	0
1130	Cracking (RC and Other)	SF	1570	0	1379	191	0
107	Steel Open Girder/Beam	LF	1370	1360	10	0	0
1000	Corrosion	LF	10	0	10	0	0
515	Steel Protective Coating	SF	15444	15434	0	10	0
3440	Effectiveness (Steel Protective Coatings)	SF	10	0	0	10	0
205	Reinforced Concrete Column	EA	9	9	0	0	0
215	Reinforced Concrete Abutment	LF	106	95	11	0	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
234	Reinforced Concrete Pier Cap	LF	120	105	15	0	0
1130	Cracking (RC and Other)	LF	15	0	15	0	0
301	Pourable Joint Seal	LF	88	88	0	0	0
310	Elastomeric Bearing	EA	15	15	0	0	0
321	Reinforced Concrete Approach Slab	SF	1752	0	1692	60	0
1130	Cracking (RC and Other)	SF	96	0	36	60	0
4000	Settlement	SF	1656	0	1656	0	0
510	Wearing Surfaces	SF	888	652	0	236	0
3220	Crack (Wearing Surface)	SF	236	0	0	236	0
331	Reinforced Concrete Bridge Railing	LF	550	280	238	32	0
1120	Efflorescence/Rust Staining	LF	270	0	238	32	0





Overall





soffit



Transverse and longitudinal cracks



**Bridge #07028**(Routine)  
**Washington Ave. over US Hwy 63-06**  
**Location: 2.6 Mi W of Main St**

**Team Lead:** Richard Jones **Inspection Date:** August 18, 2020

## Maintenance Needs

**Date Reported:** 10/22/2012  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** None  
**Status:** Monitor  
**Component:** Approach

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## Deficiency Description

Approach slabs have several unsealed cracks.

## Remarks

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Bridge #07028(Routine)  
Washington Ave. over US Hwy 63-06  
Location: 2.6 Mi W of Main St

Team Lead: Richard Jones Inspection Date: August 18, 2020

Date Reported: 10/22/2012  
Priority: G - General/ Preventive maintenance  
Type of Work: None  
Status: Monitor  
Component: 331 - Reinforced Concrete Bridge Railing

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#### Deficiency Description

Concrete rails have several cracks with efflorescence.

#### Remarks

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Typ rail





Bridge #07028(Routine)  
Washington Ave. over US Hwy 63-06  
Location: 2.6 Mi W of Main St

Team Lead: Richard Jones Inspection Date: August 18, 2020

Date Reported: 10/22/2012  
Priority: C - Important  
Type of Work: None  
Status: Monitor  
Component: Approach

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#### Deficiency Description

Approach slabs at bents 1 and 5 have some settlement.

#### Remarks

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Bent 5 approach roadway

**Date Reported:** 10/22/2012  
**Priority:** D- Routine  
**Type of Work:** None  
**Status:** Monitor  
**Component:** Approach

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**Deficiency Description**

Concrete slope paving has settled up to 5" at end bents.

**Remarks**

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Span 1 bent 1 wing wall crack



End bent 1 settling right side typical.



**Bridge #07028**(Routine)  
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Bent 5 slope paving





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**Washington Ave. over US Hwy 63-06**  
**Location: 2.6 Mi W of Main St**

**Team Lead:** Richard Jones **Inspection Date:** August 18, 2020

**Date Reported:** 10/31/2014

**Priority:** D- Routine

**Type of Work:** None

**Status:** Monitor

**Component:**

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**Deficiency Description**

Majority of Bottom Splice Bolts on Majority of Girder Splices  
Bolts are short,no threads thru Nut.

**Remarks**

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**Date Reported:** 08/31/2020  
**Priority:** D- Routine  
**Type of Work:** Clean  
**Status:** Open  
**Component:** Superstructure

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**Deficiency Description**

Girders at bents 1 and 5 abutments have pack rust at bottom of web and bottom flange at connection to concrete diaphragm.

**Remarks**

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Span 4 bent 5 girder 3



Span 4 bent 5 girder 5



**Bridge #07028**(Routine)  
**Washington Ave. over US Hwy 63-06**  
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**Team Lead:** Richard Jones **Inspection Date:** August 18, 2020

## Inspection Comments

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### Deck Notes

Approach slabs at bents 1 and 5 have some settlement. Approach slabs have several unsealed cracks.  
Approach slab at bent 1 end has an asphalt overlay.  
Approach roadway asphalt at end of bent 5 approach slab has settlement.  
Deck has a few unsealed longitudinal and transverse cracks.  
Concrete rails have several cracks with efflorescence.  
Overhangs have transverse cracks with efflorescence.  
Poured joint material in saw cut joints has a few areas missing.

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### Superstructure Notes

Concrete diaphragms at end bents have a few vertical cracks.  
A few splice bolts are beginning rust.  
Anchor bolts at interior bents have minor flaking paint.  
Bottom flange of girders at bearings at interior bents has minor surface rust.  
Girders at bents 1 and 5 abutments have pack rust at bottom of web and bottom flange at connection to concrete diaphragm.  
Span 1 bay 4 has an 8' area of minor corrosion on stay in place form.  
Span 3 bay 4 diaphragm 6 has 1 loose bolt at connection to girder 5.

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### Substructure Notes

Concrete caps at end bents have a few vertical cracks.  
Bent 2 cap has a small spall between girders 1 and 2 on ahead side.  
Bent 2 cap has a horizontal crack on front and back faces near Lt end.  
Concrete slope paving has settled up to 5" at end bents.