



Latitude:34.53929, Longitude:-93.60120

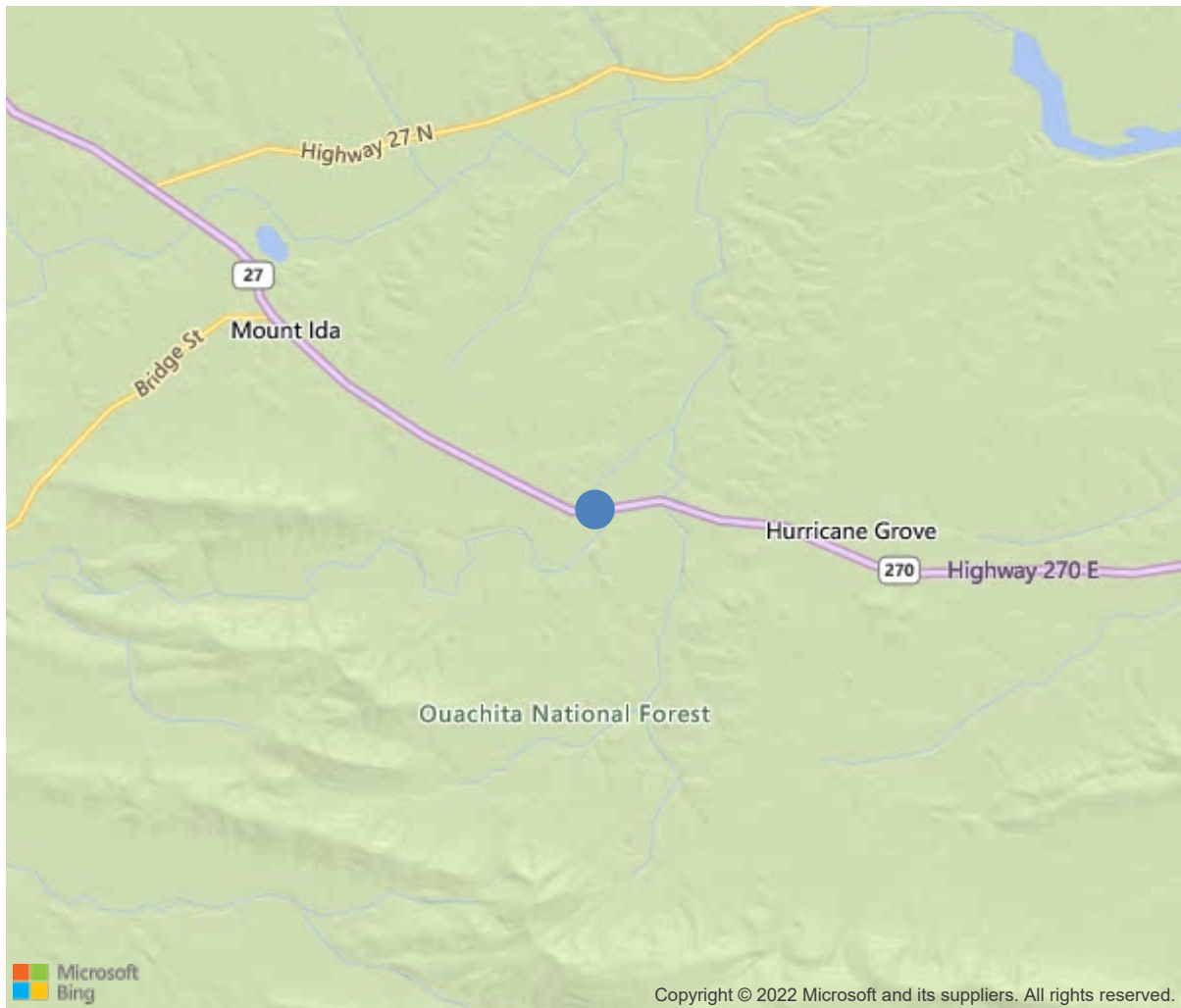
Route:270 Section:04 Log:2.339

Arnold Road ID:49x270x4xA, Arnold Log mile:2.322

District 08, Montgomery County

Owner: 1-State Highway Agency

2.3 M E of Mt. Ida



34.53929, -93.60120



Bridge #06182(Routine)

US 270 over Williams Creek

Location: 2.3 M E of Mt. Ida

Team Lead: William Wood Inspection Date: July 22, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06182
(5) Inventory Route	270
(2) Highway Agency District	08
(3) County Code	97-Montgomery County, Arkansas
(4) Place Code	0
(6) Features Intersected	Williams Creek
(7) Facility Carried	US 270
(9) Location	2.3 M E of Mt. Ida
(11) Mile Point	2.339 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000270040
(16) Latitude	34.53929
(17) Longitude	-93.6012
(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	1988
(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	4500
(30) Year of ADT	2014
(109) Truck ADT	1 %
GEOMETRIC DATA	
(48) Length of Maximum Span	47 ft
(49) Structure Length	174 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	44 ft
(52) Deck Width Out to Out	46.9 ft
(32) Approach Roadway Width (W/Shoulders)	42 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	45.3 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	1-Navigation protection not requ
(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	1
(26) Functional Class	2-Rural Principal Arterial - Oth
(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	1-The inventory route is part of the
(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	6
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	8
(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	7
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	8-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	4850
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			07/2020
(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.			



Bridge #06182(Routine)

US 270 over Williams Creek

Location: 2.3 M E of Mt. Ida

Team Lead: William Wood, Inspection Date: July 22, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	8149	1400	5218	1531	0
1120	Efflorescence/Rust Staining	SF	80	0	80	0	0
1130	Cracking (RC and Other)	SF	2841	0	1310	1531	0
1190	Abrasion/Wear (PSC/RC)	SF	3828	0	3828	0	0
(12)	MODERATE TO MAJOR CRACKING THROUGHOUT DECK. MINOR SCALE THROUGHOUT DECK. MODERATE CRACKING W / EFFLOR IN SOFFIT.						
107	Steel Open Girder/Beam	LF	1044	1044	0	0	0
515	Steel Protective Coating	SF	7078	7078	0	0	0
205	Reinforced Concrete Column	EA	9	9	0	0	0
215	Reinforced Concrete Abutment	LF	133	128	5	0	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
(215)	MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALLS.						
234	Reinforced Concrete Pier Cap	LF	138	138	0	0	0
302	Compression Joint Seal	LF	94	0	32	62	0
2330	Seal Damage	LF	94	0	32	62	0
(302)	MINOR TO MODERATE CRACKING THROUGHOUT SEALS.						
310	Elastomeric Bearing	EA	30	30	0	0	0
515	Steel Protective Coating	SF	60	60	0	0	0
331	Reinforced Concrete Bridge Railing	LF	348	348	0	0	0





Inventory.



Typical deck.



Typical undersurface.



## Maintenance Needs

**Date Reported:** 07/16/2012  
**Priority:** B - Pressing; 6 month completion goal  
**Type of Work:** Repair  
**Status:** Open  
**Component:** 12 - Reinforced Concrete Deck

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## Deficiency Description

DECK - MODERATE TO MAJOR CRACKING THROUGHOUT DECK. MINOR SCALE THROUGHOUT DECK. MODERATE CRACKING W / EFFLOR IN SOFFIT.

## Remarks

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Span #3, right lane - Moderate and major transverse and longitudinal unsealed cracks, typical throughout.



Span #2, underside - cracks with efflorescence. Typical throughout.



**Bridge #06182**(Routine)  
**US 270 over Williams Creek**  
**Location: 2.3 M E of Mt. Ida**

**Team Lead:** William Wood **Inspection Date:** July 22, 2020



Spans 1 - 3: Minor abrasion.



**Date Reported:** 07/22/2020  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Open  
**Component:** 302 - Compression Joint Seal

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**Deficiency Description**

SEALS - MINOR TO MODERATE CRACKING THROUGHOUT SEALS.

**Remarks**

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Joint #2 over abut #5 - seal material has rips and tears.



Joint #1 - moderate deterioration of seal material.

**Date Reported:** 07/22/2020  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Open  
**Component:** 215 - Reinforced Concrete Abutment

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**Deficiency Description**

ABUTMENTS - MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALLS.

**Remarks**

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Abutment 1: Cracking with efflorescence.



**Bridge #06182**(Routine)  
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**Team Lead:** William Wood **Inspection Date:** July 22, 2020

### Inspection Comments

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