



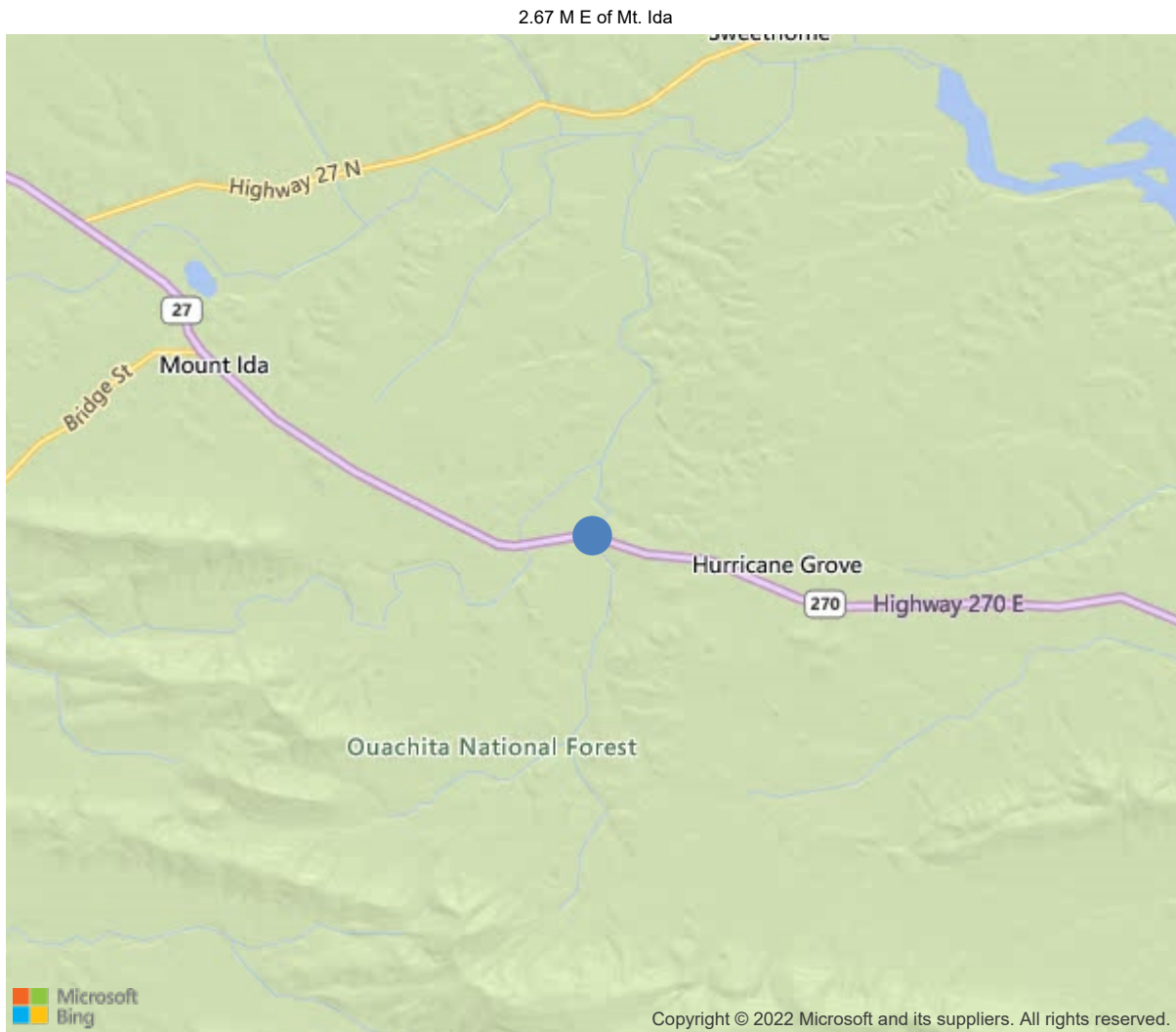
Latitude:34.53985, Longitude:-93.59500

Route:270 Section:04 Log:2.689

Arnold Road ID:49x270x4xA, Arnold Log mile:2.682

District 08, Montgomery County

Owner: 1-State Highway Agency



34.53985, -93.59500



Bridge #06183(Routine)
US 270 over Rogers Creek
Location: 2.67 M E of Mt. Ida

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06183
(5) Inventory Route	270
(2) Highway Agency District	08
(3) County Code	97-Montgomery County, Arkansas
(4) Place Code	0
(6) Features Intersected	Rogers Creek
(7) Facility Carried	US 270
(9) Location	2.67 M E of Mt. Ida
(11) Mile Point	2.689 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000270040
(16) Latitude	34.53985
(17) Longitude	-93.595
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
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	1
(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	73 ft
(49) Structure Length	75 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)	45.9 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	7
(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	1
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.			



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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3419	2300	1010	109	0
1120	Efflorescence/Rust Staining	SF	60	0	60	0	0
1130	Cracking (RC and Other)	SF	159	0	50	109	0
1190	Abrasion/Wear (PSC/RC)	SF	900	0	900	0	0
(12)	DECK - MINOR TO MODERATE CRACKING & SCALE THROUGHOUT DECK. MINOR CRACKING W / EFFLOR IN SOFFIT.						
107	Steel Open Girder/Beam	LF	438	385	53	0	0
1000	Corrosion	LF	53	0	53	0	0
515	Steel Protective Coating	SF	3570	3170	300	100	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	400	0	300	100	0
(107)	MINOR FLAKE RUST AT VARIOUS LOCATIONS.						
215	Reinforced Concrete Abutment	LF	135	129	6	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
(215)	MINOR VERTICAL CRACKING W / EFFLOR IN THE BACK WALLS.						
302	Compression Joint Seal	LF	94	0	52	42	0
2330	Seal Damage	LF	72	0	30	42	0
2340	Seal Cracking	LF	22	0	22	0	0
(302)	MINOR TO MODERATE CRACKING.						
310	Elastomeric Bearing	EA	12	6	6	0	0
1000	Corrosion	EA	6	0	6	0	0
515	Steel Protective Coating	SF	24	12	6	6	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	12	0	6	6	0
(310)	MINOR FLAKE RUST.						
331	Reinforced Concrete Bridge Railing	LF	146	146	0	0	0



Inventory.



Typical deck.



Typical undersurface.

Maintenance Needs

Date Reported: 08/15/2018
Priority: D- Routine
Type of Work: Repair
Status: Open
Component: 302 - Compression Joint Seal

Deficiency Description

Both Joints - moderate deterioration of seal material includes rips and tears.

Remarks



Joints: Typical damage.

Date Reported: 07/22/2020
Priority: D- Routine
Type of Work: Repair
Status: Open
Component: 12 - Reinforced Concrete Deck

Deficiency Description

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

Remarks



Deck: Typical moderate cracking.



Deck: Typical minor abrasion in wheel paths.



Deck, Undersurface: Cracking with efflorescence.

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

Deficiency Description

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

Remarks



Abutments: Typical cracking with efflorescence.

Date Reported: 07/22/2020
Priority: D- Routine
Type of Work: Repair
Status: Open
Component: 107 - Steel Open Girder/Beam

Deficiency Description

BEAMS - MINOR FLAKE RUST AT VARIOUS LOCATIONS.

Remarks



Girder 5: Flaking rust.

Date Reported: 07/22/2020
Priority: D- Routine
Type of Work: Repair
Status: Open
Component: 310 - Elastomeric Bearing

Deficiency Description

BEARINGS - MINOR FLAKE RUST AT VARIOUS LOCATIONS.

Remarks



Bearings: Rust In scattered locations.



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Inspection Comments

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