



Latitude:34.54298, Longitude:-93.48402

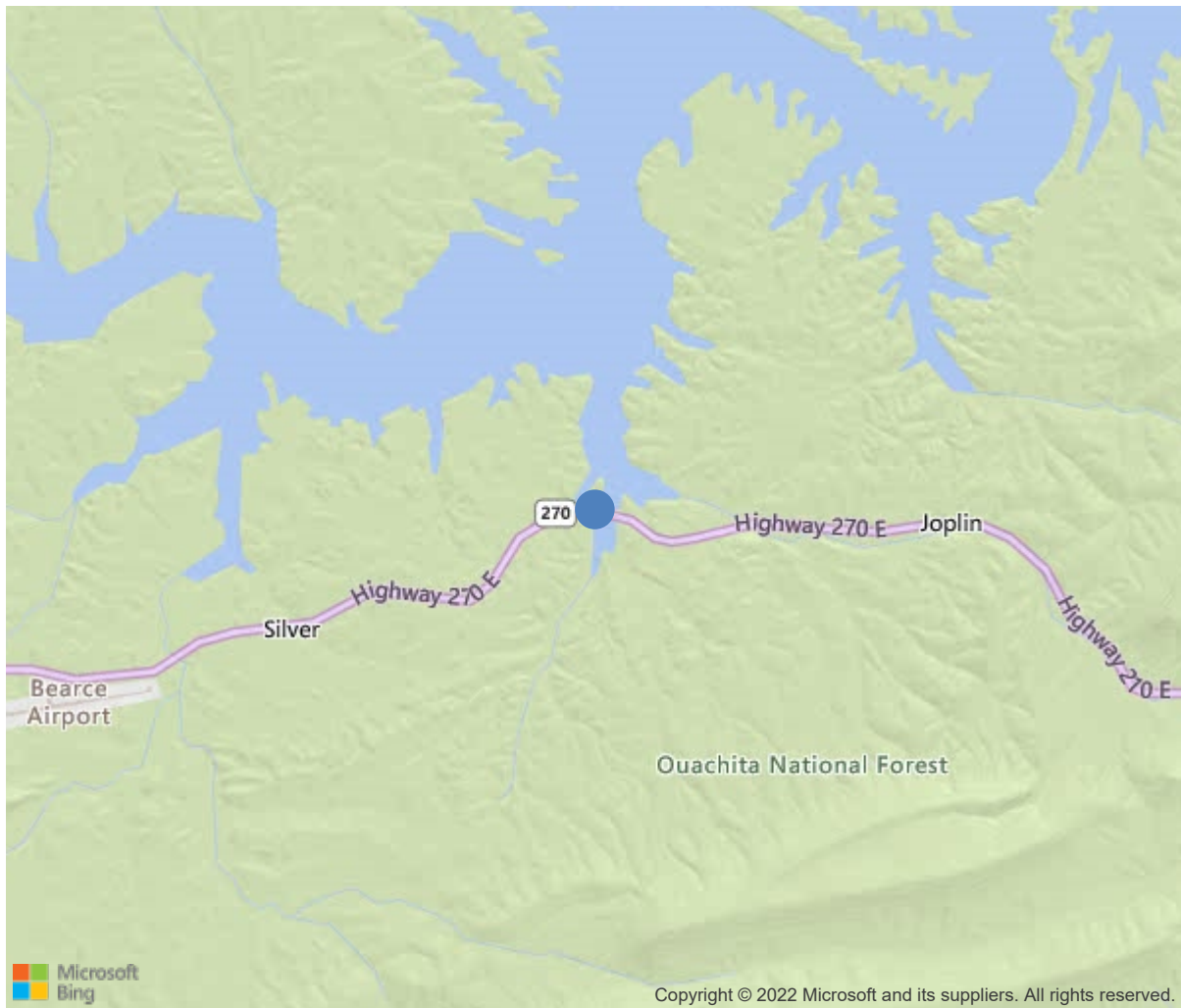
Route:270 Section:04 Log:9.48

Arnold Road ID:49x270x4xA, Arnold Log mile:9.444

District 08, Montgomery County

Owner: 1-State Highway Agency

5.06 M W of Garland Co L



34.54298, -93.48402



Bridge #07018(Routine)

US 270 over Denby Creek

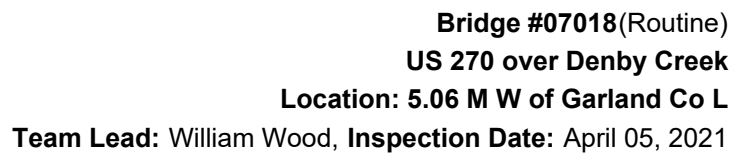
Location: 5.06 M W of Garland Co L

Team Lead: William Wood Inspection Date: April 05, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07018
(5) Inventory Route	270
(2) Highway Agency District	08
(3) County Code	97-Montgomery County, Arkansas
(4) Place Code	0
(6) Features Intersected	Denby Creek
(7) Facility Carried	US 270
(9) Location	5.06 M W of Garland Co L
(11) Mile Point	9.48 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000270040
(16) Latitude	34.54298
(17) Longitude	-93.484016
(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	5-Epoxy Overlay
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	2008
(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	3900
(30) Year of ADT	2018
(109) Truck ADT	9 %
GEOMETRIC DATA	
(48) Length of Maximum Span	69 ft
(49) Structure Length	177 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43 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	99.9 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	4-Historical significance is not dete
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	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	8
(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	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	4300
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date			04/2021
(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.			



ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7554	7500	54	0	0
1120	Efflorescence/Rust Staining	SF	54	0	54	0	0
510	Wearing Surfaces	SF	7000	7000	0	0	0
(12)	EPOXY OVERLAY. MINOR CRACKING W / EFFLOR IN OVERHANGS.						
107	Steel Open Girder/Beam	LF	875	875	0	0	0
515	Steel Protective Coating	SF	7175	7175	0	0	0
205	Reinforced Concrete Column	EA	4	4	0	0	0
215	Reinforced Concrete Abutment	LF	86	84	2	0	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
(215)	MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALL.						
234	Reinforced Concrete Pier Cap	LF	82	74	8	0	0
1010	Cracking	LF	8	0	8	0	0
(234)	MINOR VERTICAL CRACKING.						
302	Compression Joint Seal	LF	86	86	0	0	0
310	Elastomeric Bearing	EA	20	20	0	0	0
515	Steel Protective Coating	SF	20	20	0	0	0
331	Reinforced Concrete Bridge Railing	LF	350	200	150	0	0
1120	Efflorescence/Rust Staining	LF	25	0	25	0	0
1130	Cracking (RC and Other)	LF	125	0	125	0	0
(331)	MINOR TO MODERATE VERTICAL CRACKING.						



Roadway



Typ. Condition of Deck



Typ. Condition of Soffit.



Bridge #07018(Routine)

US 270 over Denby Creek

Location: 5.06 M W of Garland Co L

Team Lead: William Wood **Inspection Date:** April 05, 2021

Deck Notes

DECK - EPOXY OVERLAY. MINOR CRACKING W / EFFLOR IN OVERHANGS.

RAIL - MINOR TO MODERATE VERTICAL CRACKING.

SEALS - GOOD

Superstructure Notes

5 BEAM WX STEEL MULTI BEAM - GOOD

BEARINGS - GOOD

Substructure Notes

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

COLUMNS - GOOD

CAPS - MINOR VERTICAL CRACKING.