



Latitude:34.53215, Longitude:-93.52090

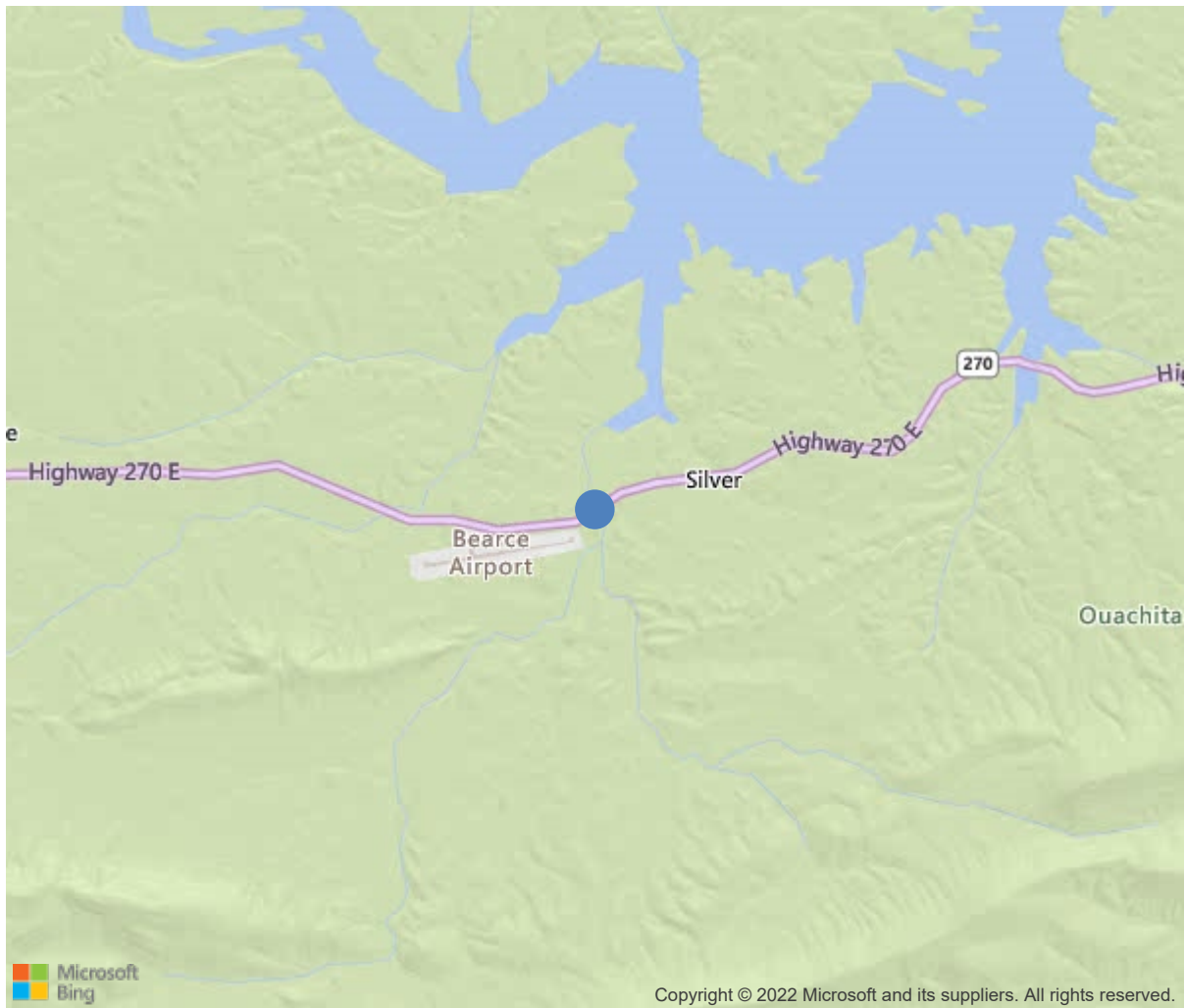
Route:270 Section:04 Log:7.089

Arnold Road ID:49x270x4xA, Arnold Log mile:7.057

District 08, Montgomery County

Owner: 1-State Highway Agency

7.05 M E Mt.Ida



34.53215, -93.52090



Bridge #06185(Routine)

US 270 over Twin Creek

Location: 7.05 M E Mt.Ida

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

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06185
(5) Inventory Route	270
(2) Highway Agency District	08
(3) County Code	97-Montgomery County, Arkansas
(4) Place Code	0
(6) Features Intersected	Twin Creek
(7) Facility Carried	US 270
(9) Location	7.05 M E Mt.Ida
(11) Mile Point	7.089 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000270040
(16) Latitude	34.53215
(17) Longitude	-93.5209
(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	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	3800
(30) Year of ADT	2018
(109) Truck ADT	9 %
GEOMETRIC DATA	
(48) Length of Maximum Span	52 ft
(49) Structure Length	142 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	20 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	6
(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	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	4200
(115) Year of Future ADT	2038

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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US 270 over Twin Creek

Location: 7.05 M E Mt.Ida

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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6556	5000	858	698	0
1120	Efflorescence/Rust Staining	SF	479	0	479	0	0
1130	Cracking (RC and Other)	SF	1077	0	379	698	0
(12)	MINOR TO MODERATE CRACKING & MINOR SCALE THROUGHOUT DECK. MINOR TO MODERATE CRACKING W / EFFLOR IN SOFFIT.						
107	Steel Open Girder/Beam	LF	840	840	0	0	0
515	Steel Protective Coating	SF	5695	5695	0	0	0
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	144	117	17	10	0
1120	Efflorescence/Rust Staining	LF	13	0	13	0	0
1130	Cracking (RC and Other)	LF	14	0	4	10	0
(215)	MINOR VERTICAL CRACKING IN ABUTMENT 4. MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALLS. MINOR HORIZONTAL CRACKING IN WING WALL AT ABUTMENT 4 LT. SIDE.						
234	Reinforced Concrete Pier Cap	LF	96	96	0	0	0
302	Compression Joint Seal	LF	100	35	28	37	0
2330	Seal Damage	LF	65	0	28	37	0
(302)	MINOR TO MODERATE CRACKING IN SEALS.						
310	Elastomeric Bearing	EA	24	14	10	0	0
1020	Connection	EA	10	0	10	0	0
(310)	SEVERAL ANCHOR BOLT NUTS MISSING AT ABUTMENTS & PIERS.						
331	Reinforced Concrete Bridge Railing	LF	280	280	0	0	0



Inventory.



Typical deck.



Typical undersurface.

Maintenance Needs

Date Reported: 08/16/2018
Priority: D- Routine
Type of Work: Repair
Status: Open
Component: 302 - Compression Joint Seal

Deficiency Description

Joints have minor to moderate deterioration of seal material.
Joint #2 is bulging in some areas with rips and tears.

Remarks



Joint #2 - rips and tears.



Joint #1 - deterioration of seal material.

Date Reported: 08/16/2018
Priority: D- Routine
Type of Work: Repair
Status: Open
Component: 12 - Reinforced Concrete Deck

Deficiency Description

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

Remarks



Moderate unsealed cracks.



Deck, Undersurface: Typical cracking with efflorescence.



Deck: Typical moderate cracks.

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 IN ABUTMENT 4. MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALLS. MINOR HORIZONTAL CRACKING IN WING WALL AT ABUTMENT 4 LT. SIDE.

Remarks



Typ. Cracking W / Efflor in Back Walls.



Abutment 4, Left, Wing Wall: Cracking.



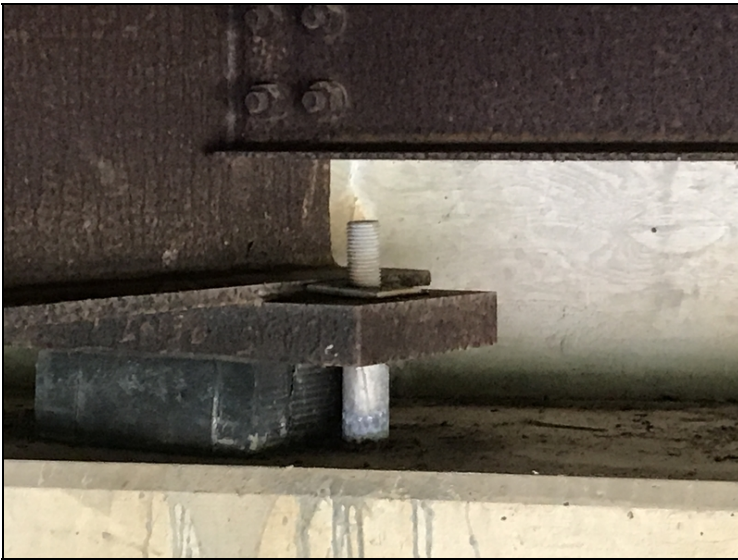
Abutment 4: Cracking.

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

Deficiency Description

BEARINGS - SEVERAL ANCHOR BOLT NUTS MISSING AT ABUTMENTS & PIERS.

Remarks



Typ. Anchor Bolt Nut Missing.

Date Reported: 07/22/2020

Priority: D- Routine

Type of Work: Repair

Status: Open

Component: Channel

Deficiency Description

CHANNEL - MINOR SCOUR & EROSION AT PIER 2.

Remarks



Pier 2: Minor scour.



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Deck Notes