



Latitude:35.13214, Longitude:-90.44104

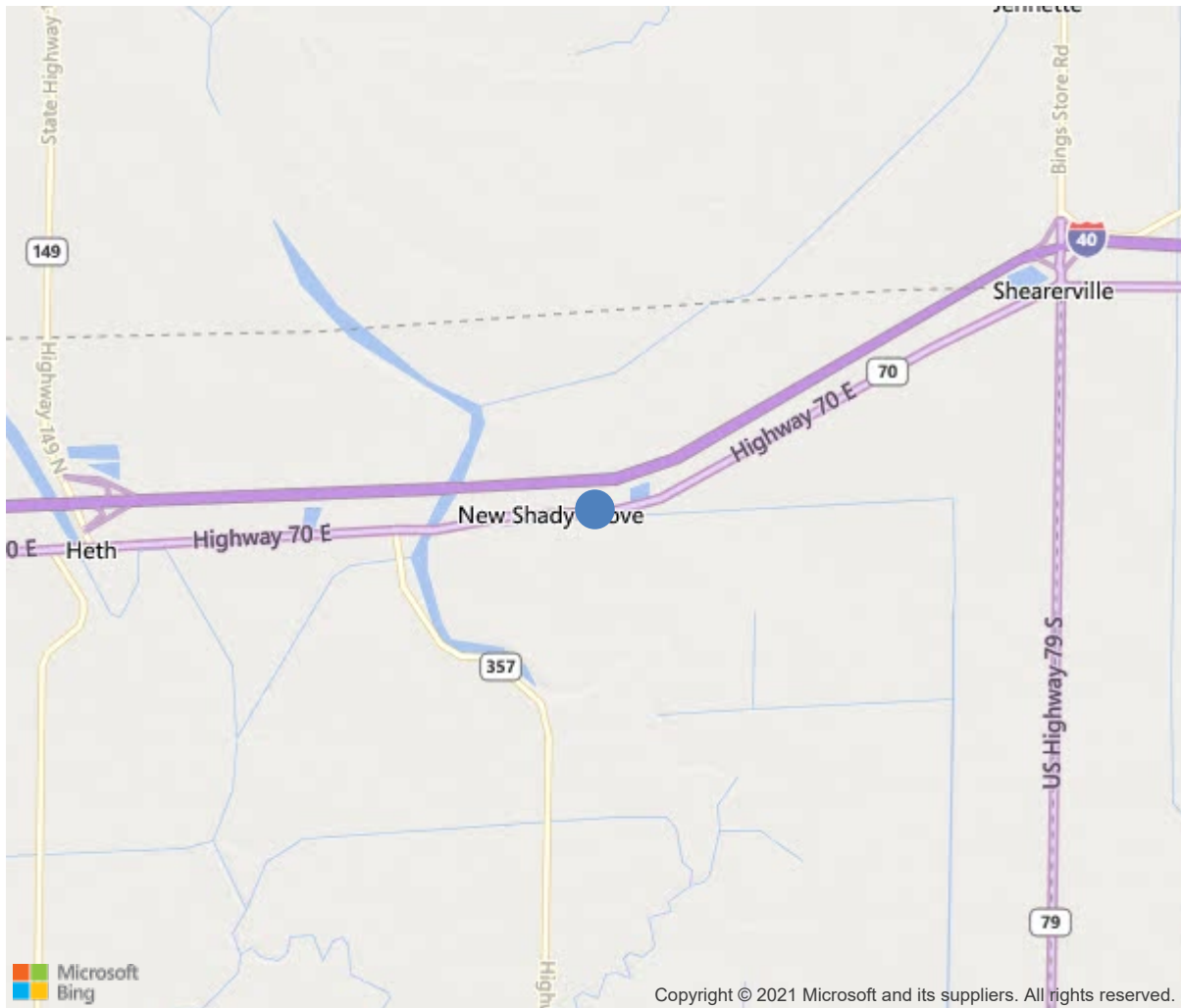
Route:70 Section:19 Log:22.45

Arnold Road ID:68x70x19xA, Arnold Log mile:22.455

District 01, St. Francis County

Owner: 1-State Highway Agency

2.57 Mi Sw Crittenden Co



35.13214, -90.44104



Bridge #01378(Routine, Underwater type 2)

Us70/Sec-19/L22.45 over Drainage Canal

Location: 2.57 Mi Sw Crittenden Co

Team Lead: Myron Futrell Inspection Date: January 19, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01378
(5) Inventory Route	70
(2) Highway Agency District	01
(3) County Code	123-St. Francis County, Arkansa
(4) Place Code	0
(6) Features Intersected	Drainage Canal
(7) Facility Carried	Us70/Sec-19/L22.45
(9) Location	2.57 Mi Sw Crittenden Co
(11) Mile Point	22.45 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.13214
(17) Longitude	-90.44104
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1-Concrete
Type	4-Tee beam
(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	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1930
(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	1300
(30) Year of ADT	2019
(109) Truck ADT	18 %
(19) Bypass, Detour Length	10 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	35 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	27 ft
(52) Deck Width Out to Out	30 ft
(32) Approach Roadway Width (W/Shoulders)	26 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	27 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	0
(26) Functional Class	7-Rural Major Collector
(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	6
(60) Substructure	8
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	48
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	1
Rating	29
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(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	5-Bridge foundations determined to be
PROPOSED IMPROVEMENTS	
(75) Type of Work	Replacement of bridge or other
(76) Length of Structure Improvement	58 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 125
(96) Total Project Cost	\$ 255
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	1331
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			01/2021
(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.			

[illegible]



Bridge #01378(Routine, Underwater type 2)

Us70/Sec-19/L22.45 over Drainage Canal

Location: 2.57 Mi Sw Crittenden Co

Team Lead: Myron Futrell **Inspection Date:** January 19, 2021

Maintenance Needs

Date Reported: 01/18/2011

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Bent #2 girders #4,5 have areas of spalling on web near girder ends with rebar exposed with 5% section loss.

Girder #5 at bent #1 has a six inch spall with exposed rebar, and a one foot delamination on right side.

Girder #5 at bent #2 has two one foot spalls with rebar exposed, and several one foot delaminations on right side.

Girder #1 at bent #2 left side has a six inch spall with rebar exposed.

Remarks



Girder #1 at abutment #2



Typical sides of girders with exposed secondary rebar

Date Reported: 01/09/2012

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Soffit between girders #4,5 near bent #1 has a three foot spall with exposed rebar with 5% section loss, and several delaminations.

Soffit over hangs have several areas of delaminations and one foot spalls with rebar exposed with 5% section loss.

Remarks



Bay #4 soffit at abutment #1.

Date Reported: 01/09/2019

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Abutment #2 right approach rail has collision damage twenty feet from bridge end.

Remarks



Abutment #2 right approach rail has collision damage twenty feet from bridge end.



Abutment #2 right approach rail damage.

Date Reported: 01/09/2019

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Gutters are full of dirt and debris with vegetation growing in them.

Remarks



Gutters are full of dirt and debris with vegetation growing in them.



Dirt, debris and vegetation in gutters.

Date Reported: 01/09/2019

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Small trees and vegetation are growing beside and under bridge.

Remarks



Small trees and vegetation are growing beside and under bridge.



Vegetation growing beside and under bridge.



Bridge #01378(Routine, Underwater type 2)

Us70/Sec-19/L22.45 over Drainage Canal

Location: 2.57 Mi Sw Crittenden Co

Team Lead: Myron Futrell **Inspection Date:** January 19, 2021

Inspection Comments

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