



Latitude:33.21267, Longitude:-91.39856

Route:160 Section:12 Log:3.6

Arnold Road ID:9x160x12xA, Arnold Log mile:3.585

District 02, Chicot County

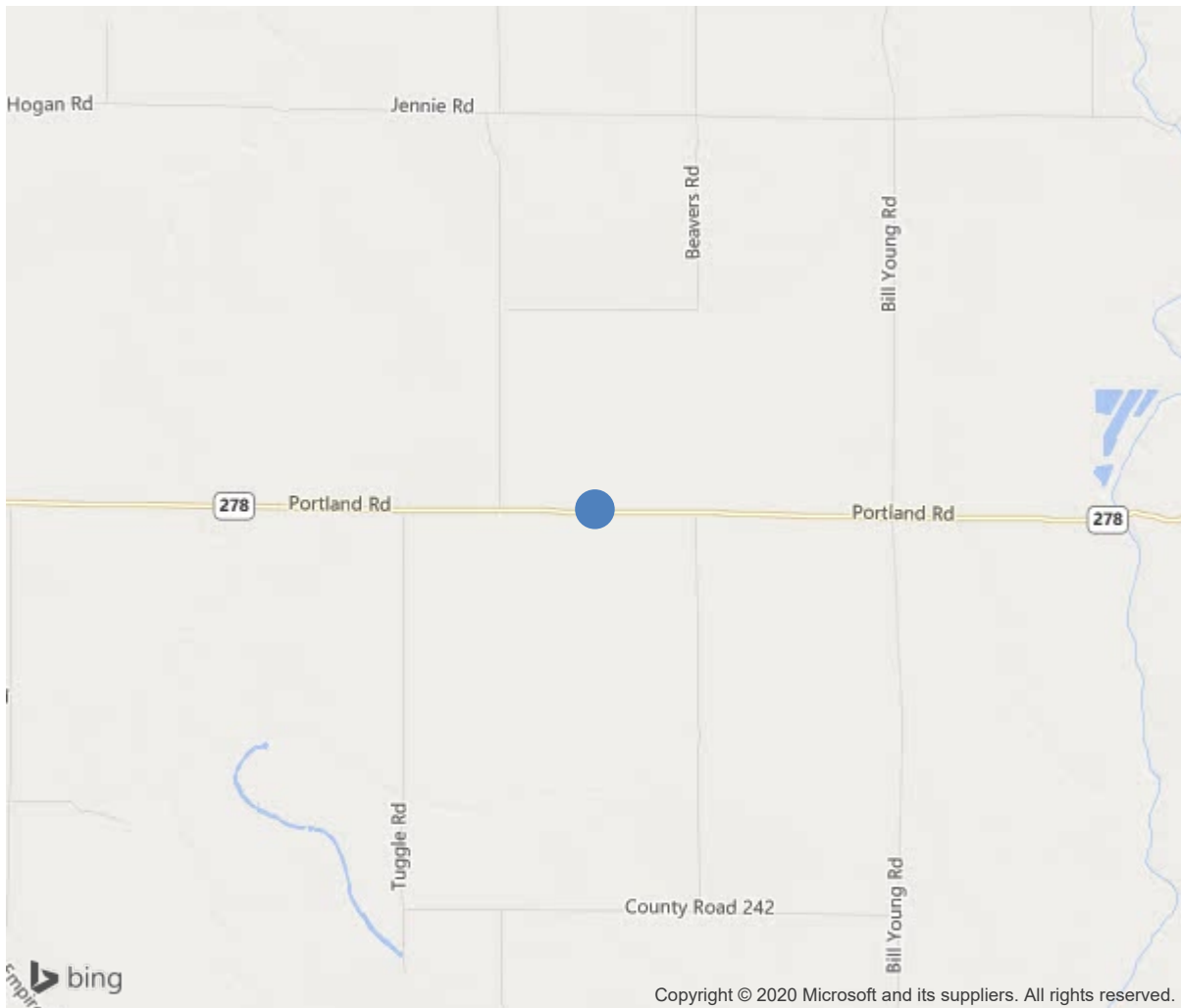
Owner: 1-State Highway Agency



Bridge #M3154(Routine)
SH 160-12 LM 3.60 over Ditch
Location: 8.2 Mi W US 65-Chicot Jct

Team Lead: Sharon Hooks Inspection Date: June 29, 2020

8.2 Mi W US 65-Chicot Jct



33.21267, -91.39856



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Team Lead: Sharon Hooks Inspection Date: June 29, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M3154
(5) Inventory Route	160
(2) Highway Agency District	02
(3) County Code	17-Chicot County, Arkansas
(4) Place Code	0
(6) Features Intersected	Ditch
(7) Facility Carried	SH 160-12 LM 3.60
(9) Location	8.2 Mi W US 65-Chicot Jct
(11) Mile Point	3.6 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.2126723074022
(17) Longitude	-91.3985574669308
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1-Concrete
Type	22-Channel 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	2-Concrete Precast Panels
(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	1968
(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	500
(30) Year of ADT	2014
(109) Truck ADT	10 %
(19) Bypass, Detour Length	28 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	32 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	25.9 ft
(52) Deck Width Out to Out	28 ft
(32) Approach Roadway Width (W/Shoulders)	24 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	26.9 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	0-The inventory route is not part of
(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	6
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0-Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	50
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	1
Rating	30
(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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1000
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	0-Inspected feature does not meet cur
C) Approach Guardrail	0-Inspected feature does not meet cur
D) 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	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	596
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No 24
B: Underwater Inspection	No 0
C: Other Special Inspection	No 0

Team Lead: Sharon Hooks, **Inspection Date:** June 29, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	896	896	0	0	0
510	Wearing Surfaces	SF	800	800	0	0	0
(16) Deck: 32' x 28'. 1/2 inch chip seal coat overlay. Some minor spalls in key ways of deck surface.							
110	Reinforced Concrete Open Girder/Beam	LF	248	248	0	0	0
(110) 8 units, 31' each Units bolted transversely - no noted missing or loose bolts.							
216	Timber Abutment	LF	68	60	8	0	0
1140	Decay/Section Loss	LF	8	0	8	0	0
(216) Timber Back wall 34' each Bents 1 & 2. Both back walls have minor decay..							
228	Timber Pile	EA	10	4	3	3	0
1020	Connection	EA	1	0	1	0	0
1140	Decay/Section Loss	EA	2	0	0	2	0
1150	Check/Shake	EA	3	0	2	1	0
(228) 5 pile each. abutments 1 and 2. Only 1-2' of piling visible. Bent 1 pile 1 large checks and minor decay Bent 1 pile 2 large checks with some outer ring separation . Bent 1 pile 4 previous repair. Bent 1 pile 5 some minor decay Bent 2 pile 1 repaired previously. Bent 2 pile 2 some minor decay. Bent 2 pile 4 hollow with decay. Note only 1' of pile exposed. Bent 2 pile 5 some minor decay.							
234	Reinforced Concrete Pier Cap	LF	56	56	0	0	0
(234) 28' each Bents 1 & 2/							
330	Metal Bridge Railing	LF	62	62	0	0	0
515	Steel Protective Coating	SF	143	143	0	0	0
(330) Railing : 31' each side left and right.							

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Coating: 2.3 square feet per linear feet of railing.							



Approach.



Under view.



Deck over view.

Maintenance Needs

Date Reported: 06/07/2016
Priority: D- Routine
Type of Work: N/A
Status: Assigned
Component:

Deficiency Description

Approach roadway - Bents 1-2: Some cracking and deterioration of asphalt wearing surface right at bridge end, with some shallow potholes.

Remarks

Repaired by State Forces

Chicot: repair and advise when complete



Approach roadway - Bent 1 (deterioration of wearing surface)



Approach roadway - Bent 2 (deterioration of wearing surface)



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Team Lead: Sharon Hooks Inspection Date: June 29, 2020

Date Reported: 06/13/2018
Priority: C - Important
Type of Work: None
Status: Assigned
Component:

Deficiency Description

Bent 2 pile 4 hollow with decay.

Remarks



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Date Reported: 06/13/2018
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Bent 1 pile 1 large checks and minor decay
Bent 1 pile 2 large checks with some outer ring separation .
Bent 1 pile 5 some minor decay
Bent 2 pile 2 some minor decay.
Bent 2 pile 5 some minor decay.

Remarks



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Inspection Comments

Beginning of structure toward US 165, Portland, Ashley / Chicot County Line, West End. Item 113 changed from U to 5. Low risk of Scour, Structural foundation assessed as stable. See HEC 18 Chapters 10 and J.15. DMH (9/1/09)