



Latitude:33.21228, Longitude:-91.35310

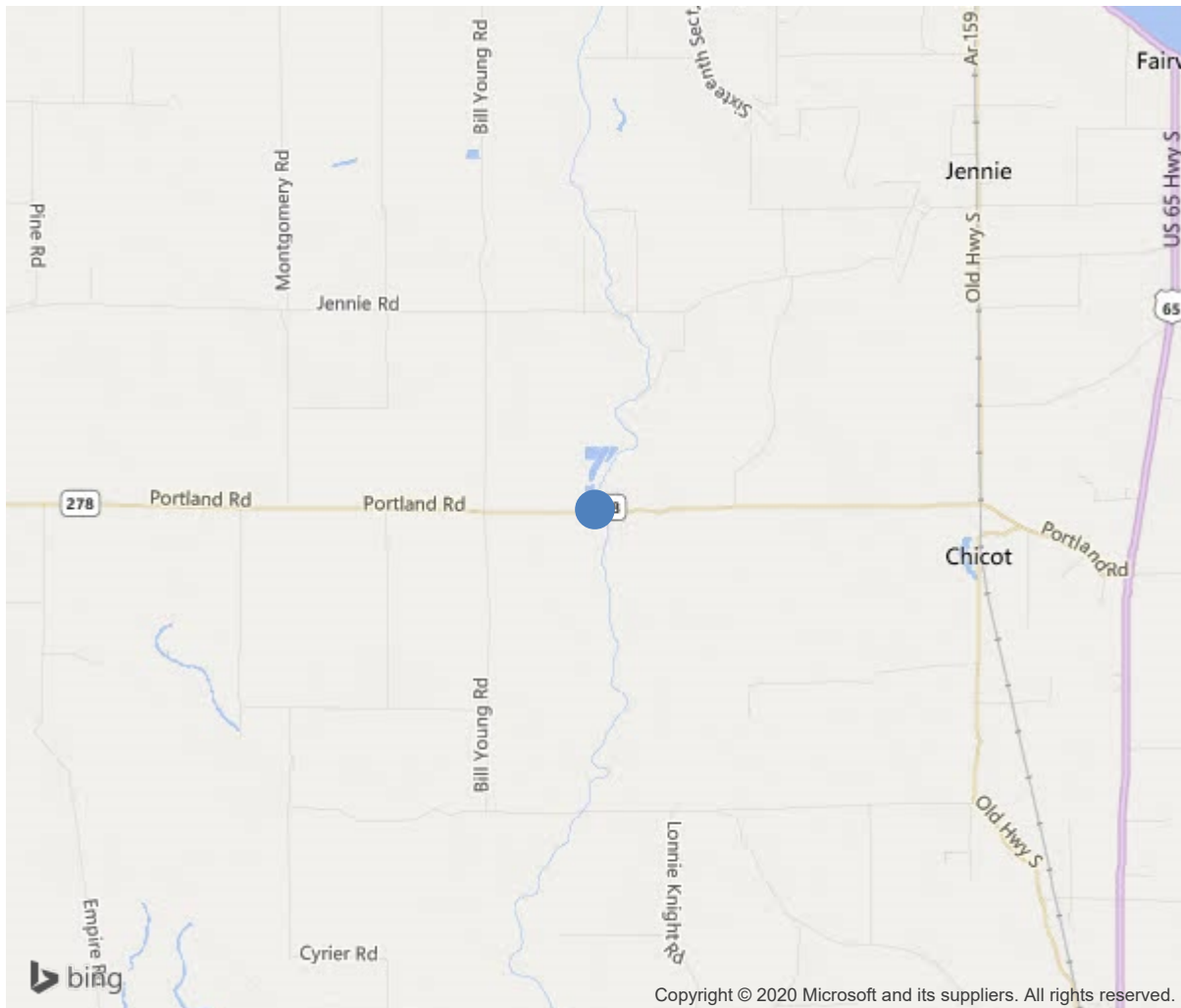
Route:160 Section:12 Log:6.31

Arnold Road ID:9x160x12xA, Arnold Log mile:6.222

District 02, Chicot County

Owner: 1-State Highway Agency

5.8 Mi W US 65-Chicot Jct



33.21228, -91.35310



Bridge #06900(Routine)

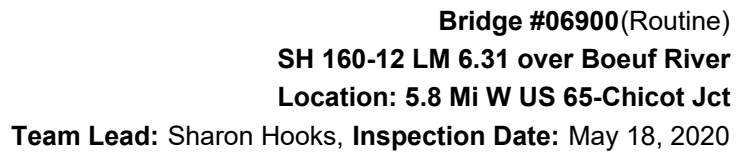
SH 160-12 LM 6.31 over Boeuf River

Location: 5.8 Mi W US 65-Chicot Jct

Team Lead: Sharon Hooks Inspection Date: May 18, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06900
(5) Inventory Route	160
(2) Highway Agency District	02
(3) County Code	17-Chicot County, Arkansas
(4) Place Code	0
(6) Features Intersected	Boeuf River
(7) Facility Carried	SH 160-12 LM 6.31
(9) Location	5.8 Mi W US 65-Chicot Jct
(11) Mile Point	6.31 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.2122800822048
(17) Longitude	-91.3530969606506
(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	5
(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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2004
(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	300
(30) Year of ADT	2014
(109) Truck ADT	10 %
(19) Bypass, Detour Length	28 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	64 ft
(49) Structure Length	280.4 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0-No median
(34) Skew	35 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	30.8 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	5-None present but re-evaluation
(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	8
(60) Substructure	8
(61) Channel & Channel Protection	7
(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	5
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	8
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
D) 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	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	513
(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



ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	9240	9100	140	0	0
1130	Cracking (RC and Other)	SF	140	0	140	0	0
(12) Deck 280' by 33' All spans have some small longitudinal cracks. Bents 1 & 6: Some longitudinal cracking on top of backwalls.							
107	Steel Open Girder/Beam	LF	1390	1390	0	0	0
515	Steel Protective Coating	SF	9730	0	9730	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	9730	0	9730	0	0
(107) 5 each at 278' Coating: 7.0 square feet per linear feet of girder. A uniformed brown color on all steel members.							
215	Reinforced Concrete Abutment	LF	68	68	0	0	0
(215) 34' each bents 1 & 6 Left ditch at abutment 6 erosion repairs by adding rock riprap. Main channel bank slumping under span 2 and 4.							
225	Steel Pile	EA	20	20	0	0	0
(225) 5 each at Bents 2-5 steel pile /concrete encased corrugated metal. Bents 3&4 correlated incasement has minor rust forming							
234	Reinforced Concrete Pier Cap	LF	136	136	0	0	0
(234) 34' each bents 2-5 Bent 4 ahead right at step very small vertical crack.							
302	Compression Joint Seal	LF	66	28	38	0	0
2320	Seal Adhesion	LF	5	0	5	0	0
2350	Debris Impaction	LF	33	0	33	0	0
(302) 33' each bents 1 & 6 Some loss of adhesion and debris impaction on both joint seals at bents 1&6.							
310	Elastomeric Bearing	EA	30	30	0	0	0
(310) 5 each bents 1 -6							

Team Lead: Sharon Hooks, **Inspection Date:** May 18, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
331	Reinforced Concrete Bridge Railing	LF	560	555	5	0	0
1080	Delamination/Spall/Patched Area	LF	5	0	5	0	0
(331)							
280' each side .							
Delams. cracking with efflorescence on span 4 right concrete bridge railing .							



Under view of span 2 .



Bents 3&4 view.



Under view.



Bent 1 joint seal has small areas of loss of adhesion



Deck overview.



Approach.

Maintenance Needs

Date Reported: 05/13/2014

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Endslope - Span 4 & 5 left: Erosion beginning from ditch and continuing down to waterway under bridge.

Remarks



Channel - Span 4 left (erosion)



Bridge #06900(Routine)

SH 160-12 LM 6.31 over Boeuf River

Location: 5.8 Mi W US 65-Chicot Jct

Team Lead: Sharon Hooks **Inspection Date:** May 18, 2020

Inspection Comments

Beginning of structure toward US 165, Portland, Ashley / Chicot County Line, West End. Bridge 000000000006900 entered 2004-04-13 10:48 by userid rlw Sufficiency Rating Calculation Accepted by tehe576 at 2013-06-13 13:34:14