



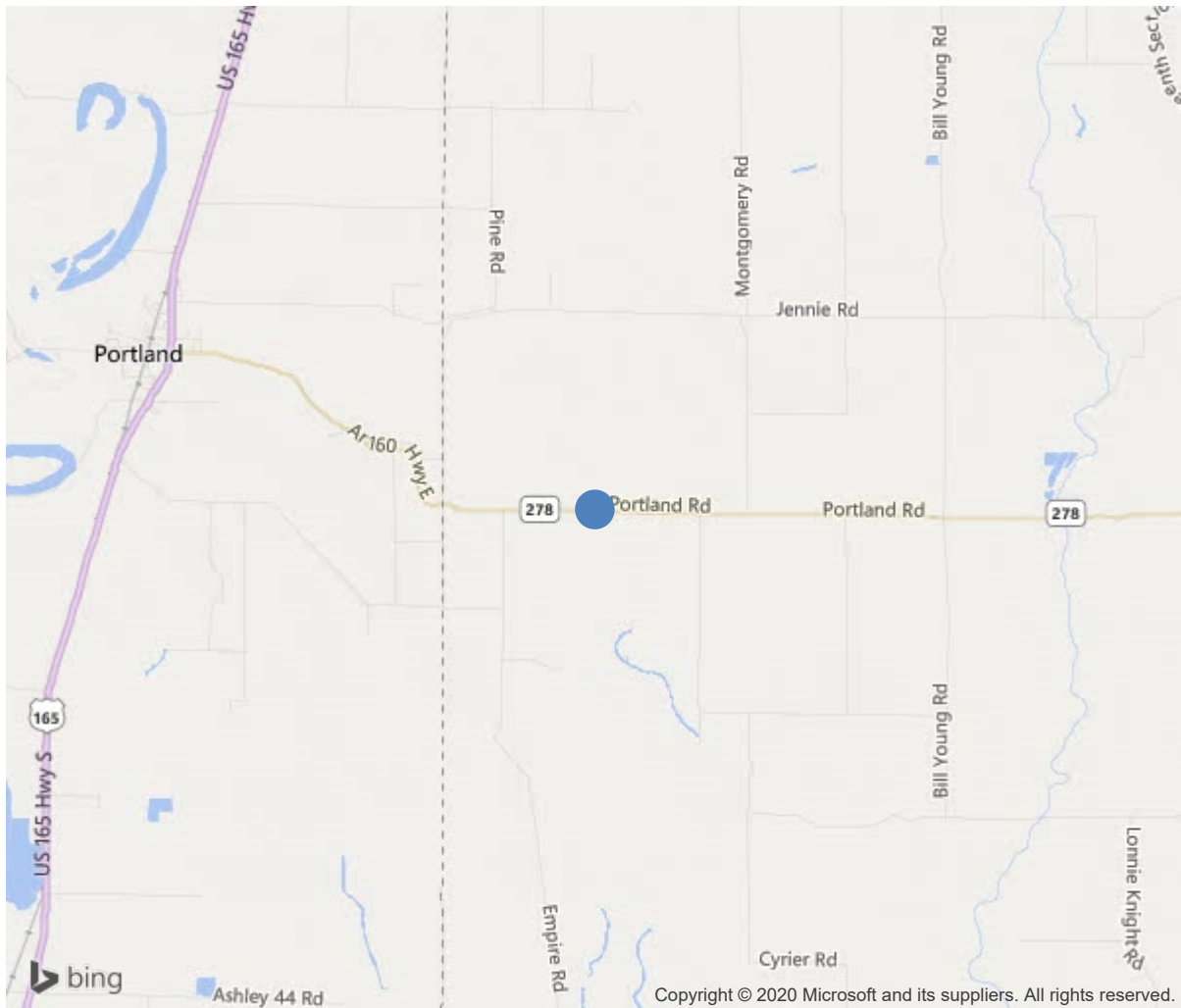
Bridge #06899(Routine)

SH 160-12 LM 1.59 over Big Bayou

Location: 10.5 Mi W US 65-ChicotJct

Team Lead: Sharon Hooks **Inspection Date:** May 08, 2018

10.5 Mi W US 65-ChicotJct



33.21306, -91.43352



Bridge #06899(Routine)

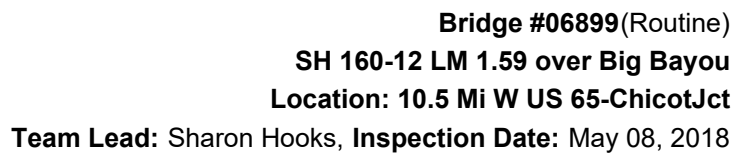
SH 160-12 LM 1.59 over Big Bayou

Location: 10.5 Mi W US 65-ChicotJct

Team Lead: Sharon Hooks Inspection Date: May 08, 2018

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06899
(5) Inventory Route	160
(2) Highway Agency District	02
(3) County Code	17-Chicot County, Arkansas
(4) Place Code	0
(6) Features Intersected	Big Bayou
(7) Facility Carried	SH 160-12 LM 1.59
(9) Location	10.5 Mi W US 65-ChicotJct
(11) Mile Point	1.59 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.2130622876815
(17) Longitude	-91.4335157235463
(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	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	500
(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	170.8 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	0 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	99.99 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	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	8
(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	48
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
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	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	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



ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5643	5022	621	0	0
1130	Cracking (RC and Other)	SF	621	0	621	0	0
(12)							
171' by 33'							
A few hairline- to minor-sized longitudinal and transverse cracks, all bents.							
107	Steel Open Girder/Beam	LF	840	840	0	0	0
515	Steel Protective Coating	SF	5729	5393	336	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	336	0	336	0	0
(107)							
5 each at 168' weathering steel.							
Coating (W27 x 94): 6.82 square feet per linear feet of girder.							
Rust surface has turn to an uniform brown color on all steel members.							
Out sides of both outer girders is dark brown.							
215	Reinforced Concrete Abutment	LF	68	63	5	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(215)							
34' each Bents 1 & 4							
Bent 1: Very small vertical cracks near girders with some efflorescence beginning to show.							
225	Steel Pile	EA	10	10	0	0	0
(225)							
5 each Bents 2 & 3/ corrugated metal concrete encasement.							
Bent 3 outer corrugation has some minor rust.							
234	Reinforced Concrete Pier Cap	LF	68	68	0	0	0
(234)							
34' each Bents 2 & 3							
310	Elastomeric Bearing	EA	10	10	0	0	0
(310)							
5 each Bents 2 & 3/							
(Integral abutment - no bearing at Bents 1 & 4.)							
331	Reinforced Concrete Bridge Railing	LF	344	344	0	0	0
(331)							
172' each Side							



Bridge #06899(Routine)

SH 160-12 LM 1.59 over Big Bayou

Location: 10.5 Mi W US 65-ChicotJct

Team Lead: Sharon Hooks **Inspection Date:** May 08, 2018



Bridge #06899(Routine)

SH 160-12 LM 1.59 over Big Bayou

Location: 10.5 Mi W US 65-ChicotJct

Team Lead: Sharon Hooks **Inspection Date:** May 08, 2018

Maintenance Needs



Bridge #06899(Routine)

SH 160-12 LM 1.59 over Big Bayou

Location: 10.5 Mi W US 65-ChicotJct

Team Lead: Sharon Hooks **Inspection Date:** May 08, 2018

Inspection Comments

Beginning of structure toward US 165, Portland Ashley / Chicot County Line, West End. Bridge 000000000006899 entered 2004-04-13 11:31 by userid rlw06-13-2006, Dropping UW inspection due to sub-str elements are not continuously submerged. Signs of short durations of high water events. No signs of channel scour up or down stream. Rock riprap on slopes of Abt's at various locations. NBI Items #60 and #61 will fairly represent all elements. Earth and rock dam build across channel approx. 300 yards downstream from structure (approx. 5 feet high) RLW.