



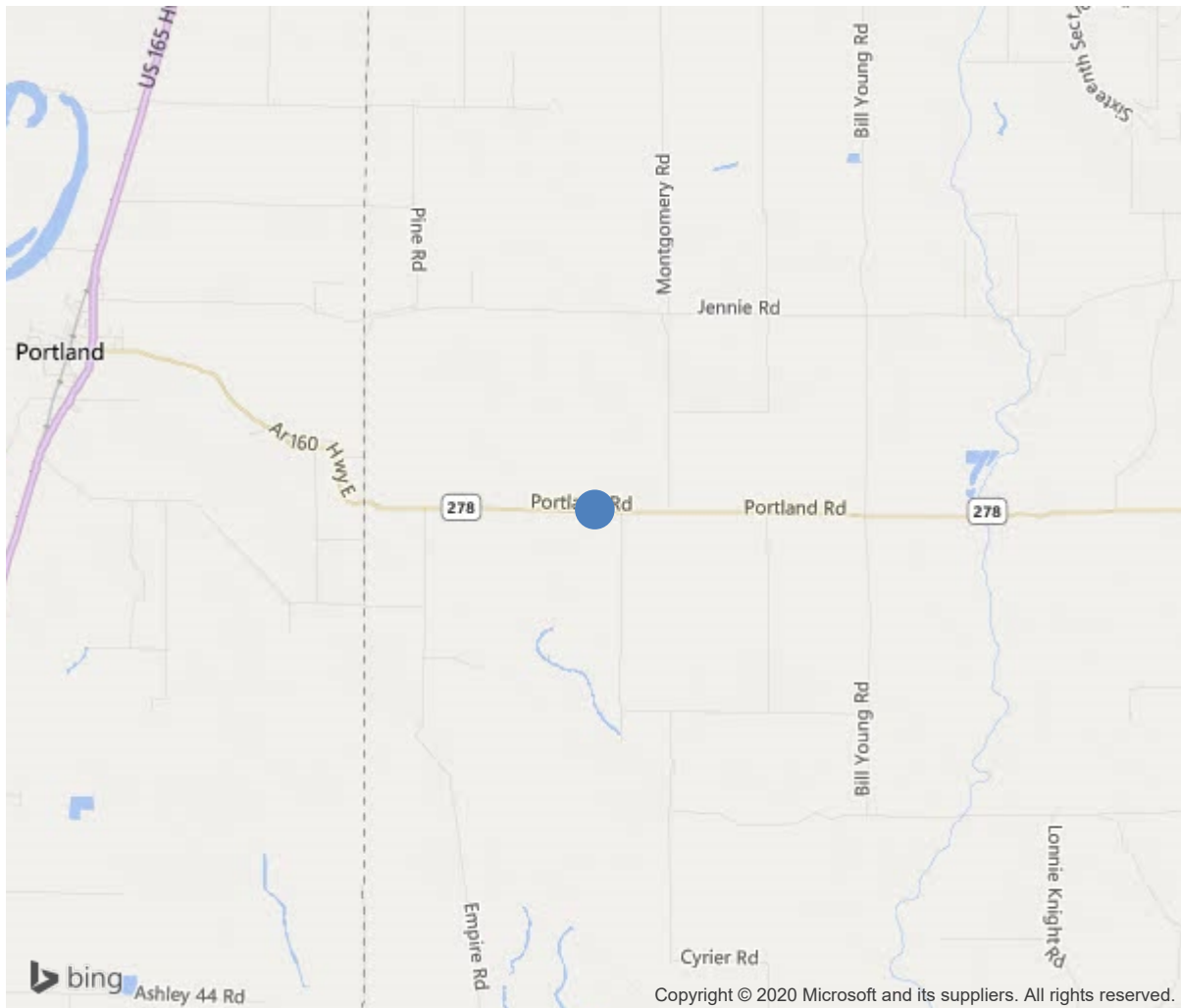
Bridge #M3155(Routine)

SH 160-12 LM 2.37 over Ditch

Location: 9.5 Mi W US 65-ChicotJct

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

9.5 Mi W US 65-ChicotJct



33.21288, -91.41976



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M3155
(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 2.37
(9) Location	9.5 Mi W US 65-ChicotJct
(11) Mile Point	2.37 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.2128816421224
(17) Longitude	-91.4197624553574
(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	3
(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	19 ft
(49) Structure Length	57 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	26.2 ft
(52) Deck Width Out to Out	28.2 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	26.2 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			7
(59) Superstructure			7
(60) Substructure			4
(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			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			6
(68) Deck Geometry			5
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			8
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			0001
A) Bridge Railings		0-Inspected feature does not meet cur	
B) Transitions		0-Inspected feature does not meet cur	
C) Approach Guardrail		0-Inspected feature does not meet cur	
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			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	Yes	0	201809



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1596	1596	0	0	0
510	Wearing Surfaces	SF	1254	1204	50	0	0
3220	Crack (Wearing Surface)	SF	50	0	50	0	0
(16)	Deck: 57' x 28' 2 inch of asphalt overlay on deck. Transverse cracks in asphalt wearing surface at each bent.						
110	Reinforced Concrete Open Girder/Beam	LF	456	448	0	8	0
1090	Exposed Rebar	LF	8	0	0	8	0
(110)	8 units per span, 3 spans at 19' each. Units bolted transversely and longitudinally - no noted missing or loose bolts. Span 2 Units 7 & 8: Some cracking, delaminations and spalls (with exposed rebar) on bottom of legs (8' total).						
216	Timber Abutment	LF	68	48	15	5	0
1140	Decay/Section Loss	LF	20	0	15	5	0
(216)	34' each Bents 1 & 4 timber back wall only. Both back walls have some decay.						
228	Timber Pile	EA	20	3	6	11	0
1020	Connection	EA	5	0	4	1	0
1140	Decay/Section Loss	EA	10	0	0	10	0
1150	Check/Shake	EA	2	0	2	0	0
(228)	5 pile each, bents 1-4. Bent 1 pile 3 hollow from cap down 1 1/2'. Bent 1 pile 5 has heavy decay from cap down to ground line. Bent 2 pile 1 hollow area from cap down 3' with large checks. Bent 2 piles 3 hollow from cap down 4'. Bent 2 pile 5 hollow from cap down 3' and outer ring decay from ground up 3'. Bent 3 pile 1 is hollow from cap down approx. 5'. Bent 3 pile 2 hollow from cap down 4'. Bent 3 pile 3 has decay below splice with concrete collar broken away. Bent 3 pile 4 has heavy decay below splice. Bent 4 pile 2 heavy decay and hollow area from cap down 3'. Bent 4 pile 4 heavy decay and hollow with little core. Bent 1 pile 2, bent 2 pile 4, bent 3 pile 3 & 4 and bent 4 pile 3 & 5 have been spliced in the past.						
234	Reinforced Concrete Pier Cap	LF	112	99	13	0	0
1080	Delamination/Spall/Patched Area	LF	8	0	8	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(234)							
28' each, bents 1-4. Bent 2 & 3 have Contact spalls under channel legs. Bents 1 & 4 have small vertical cracks in caps.							
330	Metal Bridge Railing	LF	114	114	0	0	0
515	Steel Protective Coating	SF	262	262	0	0	0
(330)							
57' each side, left and right. Coating: 2.3 square feet per linear feet of railing. Right side: Minor damage (scratch).							



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Maintenance Needs



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Inspection Comments

Beginning of structure toward US 165, Portland, Ashley / Chicot County Line, West End.06-13-2006, Dropping UW inspection due to sub-str elements are not continuously submerged. Signs of short durations of high waterevents. No signs of channel scour up or down stream. NBI Items #60 and #61 will fairly represent all elements. RLW.Changed Item 113 from U to 5. See Bridge Scour Assessment Procedure Worksheet B.S.A.P.W. (DMH 7/30/10)