



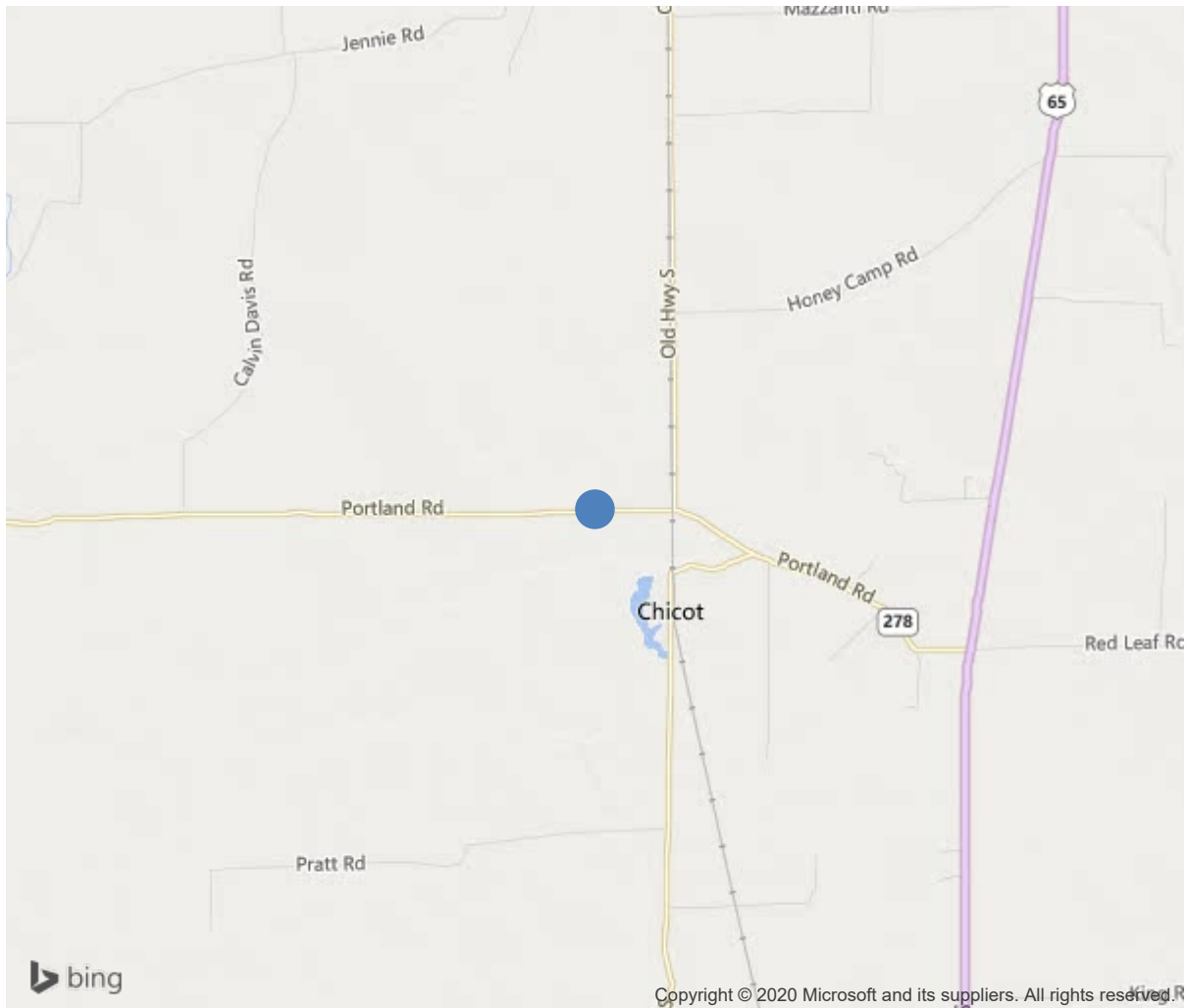
**Bridge #04219**(Routine)

**SH 160-12 LM 9.82 over Bayou Macon**

**Location: 2.1 Mi W US 65-Chicot Jct**

**Team Lead:** Sharon Hooks **Inspection Date:** March 27, 2017

2.1 Mi W US 65-Chicot Jct



33.21315, -91.29264



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	04219
(5) Inventory Route	160
(2) Highway Agency District	02
(3) County Code	17-Chicot County, Arkansas
(4) Place Code	0
(6) Features Intersected	Bayou Macon
(7) Facility Carried	SH 160-12 LM 9.82
(9) Location	2.1 Mi W US 65-Chicot Jct
(11) Mile Point	9.82 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.2131453171923
(17) Longitude	-91.2926433290376
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
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	0-None
AGE AND SERVICE	
(27) Year Built	1965
(106) Year Reconstructed	0
(42) Type of Service	65
On	6-Overpass structure at an interchange or secon
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	390
(30) Year of ADT	2014
(109) Truck ADT	10 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	252 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	29.8 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	26.6 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	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(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	55
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	5
Rating	33
(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	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



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7510	7510	0	0	0
510	Wearing Surfaces	SF	6048	6048	0	0	0
(12)	252' long by 29.8' wide Deck, half inch chip seal overlay.						
107	Steel Open Girder/Beam	LF	1250	1250	0	0	0
515	Steel Protective Coating	SF	7500	0	3780	3700	20
3410	Chalking (Steel Protective Coatings)	SF	3780	0	3780	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	3720	0	0	3700	20
(107)	5 spans 5 girders each 50' long Areas of scattered surface rust, with minor pitting. All girders have chalky paint. Outer two girders at drain opening have pitting rust.						
215	Reinforced Concrete Abutment	LF	60	60	0	0	0
(215)	Erosion/ settlement around wing walls at end of structure. Both abutments have small vertical cracks in in backwalls. Bent 1 abutment has erosion under and around cap on west end of bridge						
227	Reinforced Concrete Pile	EA	16	16	0	0	0
(227)	16 piles total bent 2-5						
234	Reinforced Concrete Pier Cap	LF	116	109	4	3	0
1090	Exposed Rebar	LF	4	0	4	0	0
1130	Cracking (RC and Other)	LF	3	0	0	3	0
(234)	Bent 2 cap has spalls with exposed rebar and large Delams. On the ahead face. Bent 4 back has a horizontal crack between pile 3 & 4.						
303	Assembly Joint with Seal	LF	144	144	0	0	0
(303)	6 each at 24' Uniformed surface rust						
311	Movable Bearing	EA	25	25	0	0	0
515	Steel Protective Coating	SF	50	0	0	40	10
3440	Effectiveness (Steel Protective Coatings)	SF	50	0	0	40	10

**Team Lead:** Sharon Hooks, **Inspection Date:** March 27, 2017

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(311)							
All bearings have rust with some pitting							
313	Fixed Bearing	EA	25	25	0	0	0
515	Steel Protective Coating	SF	50	0	0	40	10
3440	Effectiveness (Steel Protective Coatings)	SF	50	0	0	40	10
(313)							
All bearings have uniform rust with pitting.							
330	Metal Bridge Railing	LF	504	504	0	0	0
(330)							
252' x 2							
Minor scrapes and scratches							
Guard rail has some minor damage with lose of connection at span 3 left side							



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## **Maintenance Needs**



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**Inspection Comments**

Bridge is logged from West to East