



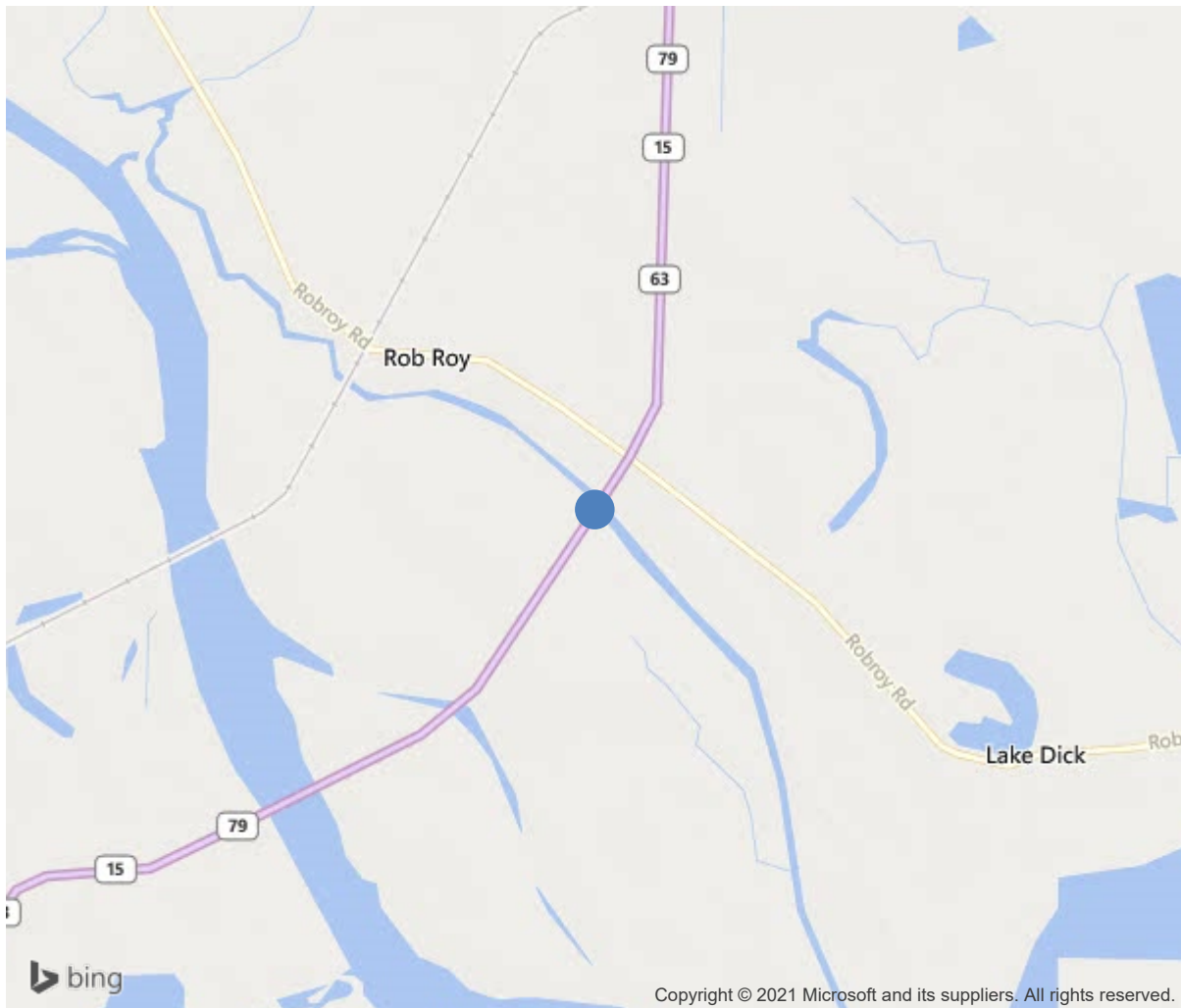
**Bridge #06566**(Routine)

**US 63-13 LM 3.24 over Plum Bayou**

**Location: 3.0 Mi S US79B-Althiemer**

**Team Lead:** Sharon Hooks **Inspection Date:** December 09, 2019

3.0 Mi S US79B-Althiemer



34.26963, -91.87737



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06566
(5) Inventory Route	63
(2) Highway Agency District	02
(3) County Code	69-Jefferson County, Arkansas
(4) Place Code	0
(6) Features Intersected	Plum Bayou
(7) Facility Carried	US 63-13 LM 3.24
(9) Location	3.0 Mi S US79B-Althiemer
(11) Mile Point	3.24 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.26963
(17) Longitude	-91.87737
(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	4
(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	1998
(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	3500
(30) Year of ADT	2014
(109) Truck ADT	4 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	119 ft
(49) Structure Length	414 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	20 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41.3 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	6-Rural Minor Arterial
(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	1-The inventory route is part of the
(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	8
(61) Channel & Channel Protection	8
(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	49.1
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	4
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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1001
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	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	4814
(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	17719	14755	1068	1896	0
1130	Cracking (RC and Other)	SF	2964	0	1068	1896	0
(12)	Deck: 42.8' wide x 414' long. Unsealed, minor- to moderate-sized transverse cracks at 1/4-, mid-, and 3/4-span points of each span (480 sqft half CS2 half CS3). Unsealed, hairline- to minor-sized longitudinal cracks over Girders 2, 3, & 4 across most of full-length of bridge (828 sqft CS2 1656 sqft CS3).						
107	Steel Open Girder/Beam	LF	2060	2059	1	0	0
1020	Connection	LF	1	0	1	0	0
515	Steel Protective Coating	SF	25338	0	25338	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	25338	0	25338	0	0
(107)	Girders: 5 per span / 412' total span. Coating: 12.3 square feet per lineal foot of girder.  Span 2 Girder 2 @ Splice 1: Loose bolt - bottom flange right side.  All girder are brown with some granular texture.						
205	Reinforced Concrete Column	EA	3	3	0	0	0
(205)	Columns: 1 per bent / Bents 2-4.						
215	Reinforced Concrete Abutment	LF	90	90	0	0	0
(215)	Abutments: 45' each (skewed) / Bents 1 & 5.						
234	Reinforced Concrete Pier Cap	LF	123	123	0	0	0
(234)	Caps: 41' each / Bents 2-4.						
303	Assembly Joint with Seal	LF	82	82	0	0	0
(303)	Joints: 41' each (skewed) / Bents 1 & 5.						
310	Elastomeric Bearing	EA	25	25	0	0	0
(310)	Bearings: 5 per bent / Bents 1-5.						
331	Reinforced Concrete Bridge Railing	LF	828	608	220	0	0

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130	Cracking (RC and Other)	LF	220	0	220	0	0
(331)	Railing: 414' each side. Hairline vertical cracking from deck up in parapet walls.						



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## **Maintenance Needs**



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### **Inspection Comments**

Bridge is logged from northeast to southwest.