



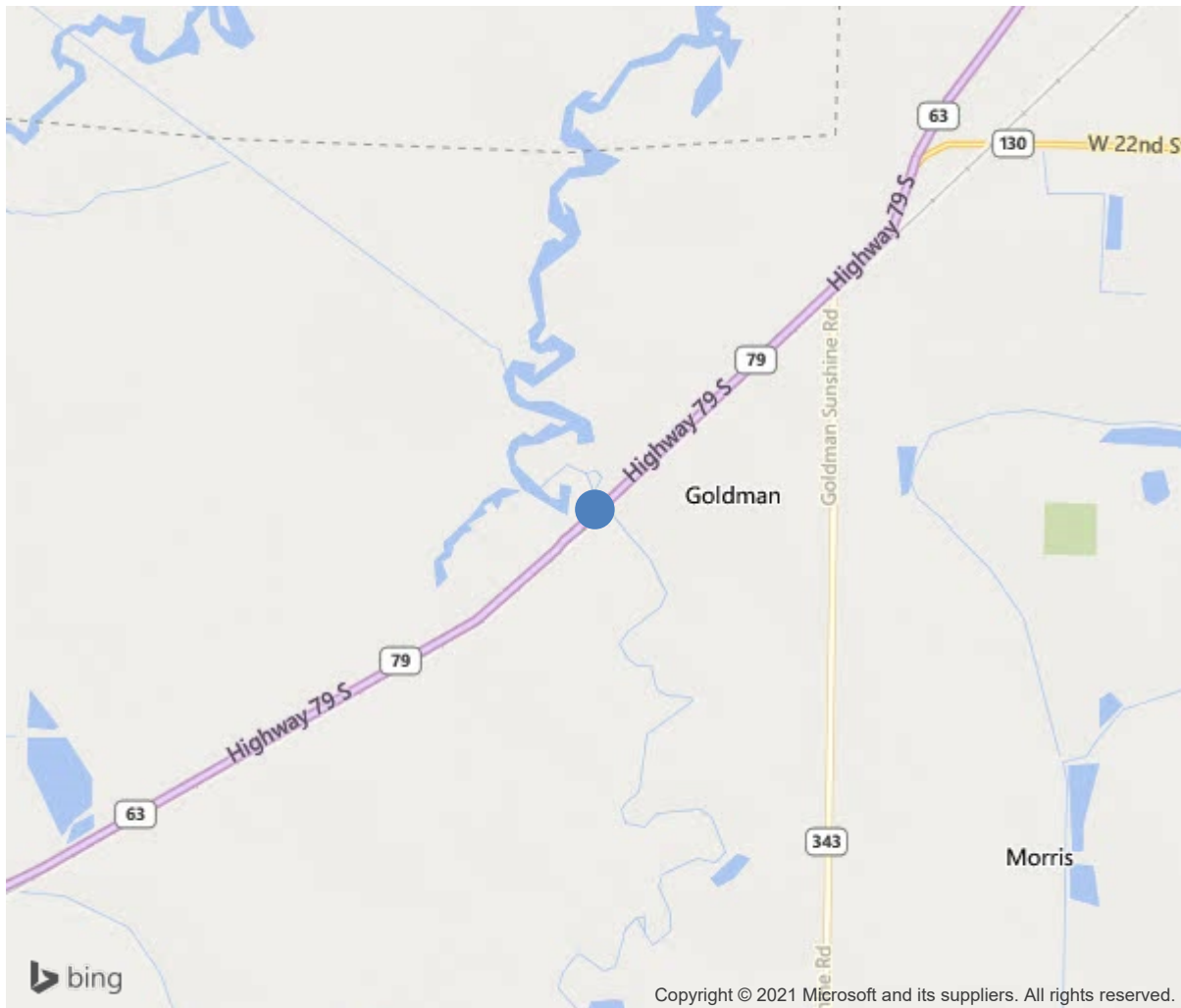
Bridge #06865(Routine)

US 79-11 LM 5.73 over Bayou Meto

Location: 1.6 Mi SW SH 343-Stuttgrt

Team Lead: Sharon Hooks **Inspection Date:** March 26, 2018

1.6 Mi SW SH 343-Stuttgrt



34.45344, -91.61648



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06865
(5) Inventory Route	79
(2) Highway Agency District	02
(3) County Code	1-Arkansas County, Arkansas
(4) Place Code	0
(6) Features Intersected	Bayou Meto
(7) Facility Carried	US 79-11 LM 5.73
(9) Location	1.6 Mi SW SH 343-Stuttgrt
(11) Mile Point	5.73 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000079110
(16) Latitude	34.4534421241665
(17) Longitude	-91.6164758915371
(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	10
(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	2003
(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	4300
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	52 ft
(49) Structure Length	478 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)	36.1 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	41.3 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	1
(26) Functional Class	2-Rural Principal Arterial - Oth
(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	8
(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	60
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	10
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
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) 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	4501
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	03/2020
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No
B: Underwater Inspection	No
C: Other Special Inspection	No

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	20458	18546	1912	0	0
1130	Cracking (RC and Other)	SF	1912	0	1912	0	0
(12)							
Deck: 42.8' wide x 478' long. All spans: Unsealed hairline- to minor-sized longitudinal cracks over Girders 3 and 4, with hairline-sized cracks beginning to show over Girders 2 and 5 at various locations.							
107	Steel Open Girder/Beam	LF	2856	2856	0	0	0
515	Steel Protective Coating	SF	20992	13994	6998	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	6998	0	6998	0	0
(107)							
Girders: 6 per span \ 476' total.(Continuous Spans 1-5 and Spans 6-10). Span 5 Girder 1: Left side of bottom flange is bent up somewhat, just back of mid-span. (1'). Coating (W30 x 90): 7.35 square feet/linear feet of girder. Outside of outer girders is dark brown with a light granular texture.							
215	Reinforced Concrete Abutment	LF	86	86	0	0	0
(215)							
Abutments: 43' each \ Bents 1 and 11.							
225	Steel Pile	EA	54	54	0	0	0
(225)							
Piling: 6 per bent \ Bents 2 - 10. Some surface rust on corrugated steel pipe used for forming encasement form. Concrete-filled steel shell piling encased in concrete within a corrugated steel pipe.							
234	Reinforced Concrete Pier Cap	LF	378	377	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(234)							
Caps: 42' each \ Bents 2 - 10. Bent 7: Small repaired area (grouted over) on back bottom corner on right end.							
300	Strip Seal Expansion Joint	LF	120	35	55	30	0
2310	Leakage	LF	5	0	5	0	0
2330	Seal Damage	LF	40	0	10	30	0
2350	Debris Impaction	LF	40	0	40	0	0
(300)							
Joints: 40' each \ Bents 1, 6 and 11. Bent 6: Joint material sits low in joint - some debris buildup on top of material. Bent 1 & 11 joint seal material is torn with some leaking.							

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
310 (310)	Elastomeric Bearing	EA	72	72	0	0	0
Bearings: 6 per bent \ Bents 1-5, 7-11; 12 per bent \ Bent 6. Bent 7 Bearing 4: Anchor nut has fallen off of left side (Nut is lying on bottom flange of girder.).							
331 (331)	Reinforced Concrete Bridge Railing	LF	956	956	0	0	0
Concrete railing: 478' each side.							



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Inspection Comments

Bridge is logged from southwest to northeast.