



Latitude:36.25933, Longitude:-90.22870

Route:90 Section:01 Log:7.16

Arnold Road ID:11x90x1xA, Arnold Log mile:7.108

District 10, Clay County

Owner: 1-State Highway Agency

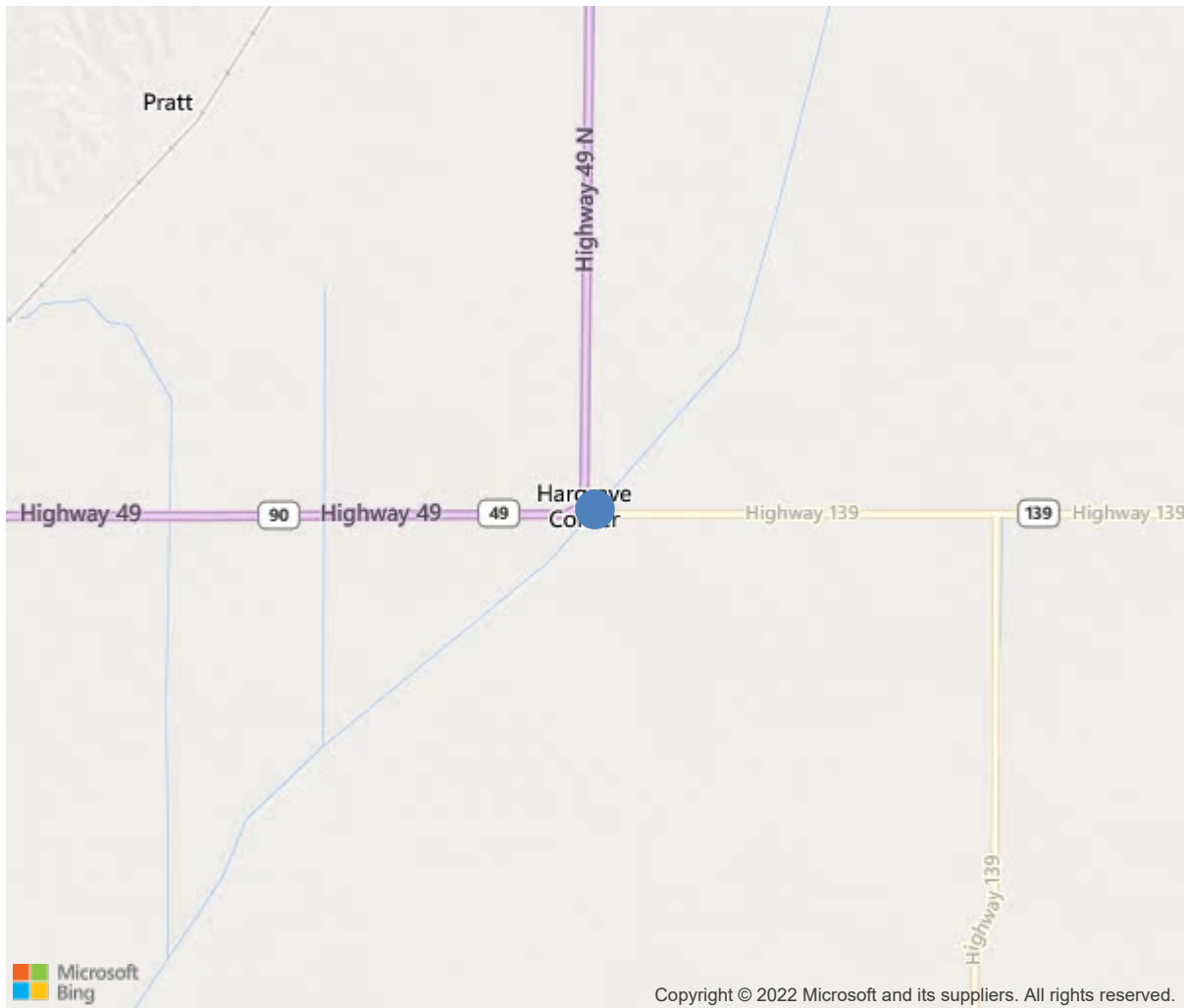


Bridge #06343(Routine)
SH 90- 01- LM 7.16 over BIG SLOUGH DITCH

Location: .11 MI EAST JCT US 49

Team Lead: Tim Myrick Inspection Date: November 11, 2020

.11 MI EAST JCT US 49



36.25933, -90.22870



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06343
(5) Inventory Route	90
(2) Highway Agency District	10
(3) County Code	21-Clay County, Arkansas
(4) Place Code	0
(6) Features Intersected	BIG SLOUGH DITCH
(7) Facility Carried	SH 90- 01- LM 7.16
(9) Location	.11 MI EAST JCT US 49
(11) Mile Point	7.16 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000090010
(16) Latitude	36.2593316820511
(17) Longitude	-90.2286996208668
(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	0-None
AGE AND SERVICE	
(27) Year Built	1990
(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	1800
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	17 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	51 ft
(49) Structure Length	136 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)	56.1 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 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	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	7
(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	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	8
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(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	2291
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			11/2020
(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		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5736	5696	40	0	0
1130	Cracking (RC and Other)	SF	40	0	40	0	0
107	Steel Open Girder/Beam	LF	804	804	0	0	0
515	Steel Protective Coating	SF	6593	6593	0	0	0
215	Reinforced Concrete Abutment	LF	129	118	11	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
227	Reinforced Concrete Pile	EA	14	14	0	0	0
234	Reinforced Concrete Pier Cap	LF	87	81	0	6	0
1120	Efflorescence/Rust Staining	LF	6	0	0	6	0
302	Compression Joint Seal	LF	92	43	45	4	0
2330	Seal Damage	LF	49	0	45	4	0
310	Elastomeric Bearing	EA	24	24	0	0	0
331	Reinforced Concrete Bridge Railing	LF	273	273	0	0	0







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Maintenance Needs



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Inspection Comments

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Deck Notes

Top of deck has some very minor cracking and abrasion.
Compression seals bents 1 & 4 are cracked and tore, especially bent 4.

Superstructure Notes

Span 2 girder 1 splice bottom flange plates has 2 bolts that are short with some of the nut threads exposed.
Weathering steel girders over bent 1 at girders 2, 3, & 4 have flaking rust.

Substructure Notes

Abutment bent 1 has a few minor cracks.
Cap bent 4 has some cracks with efflorescence.
Some drift under span 3.