



Bridge #07326(Routine, Underwater type 2)

US 67 S-5 LM 4.42 over South Boat Ditch

Location: 4.42 Mi. N Jct. SH 53

Team Lead: Rickie Bratton **Inspection Date:** December 16, 2020



Latitude:33.97728, Longitude:-93.12429

Route:67 Section:05 Log:4.42

Arnold Road ID:10x67x5xA, Arnold Log mile:4.417

District 07, Clark County

Owner: 1-State Highway Agency

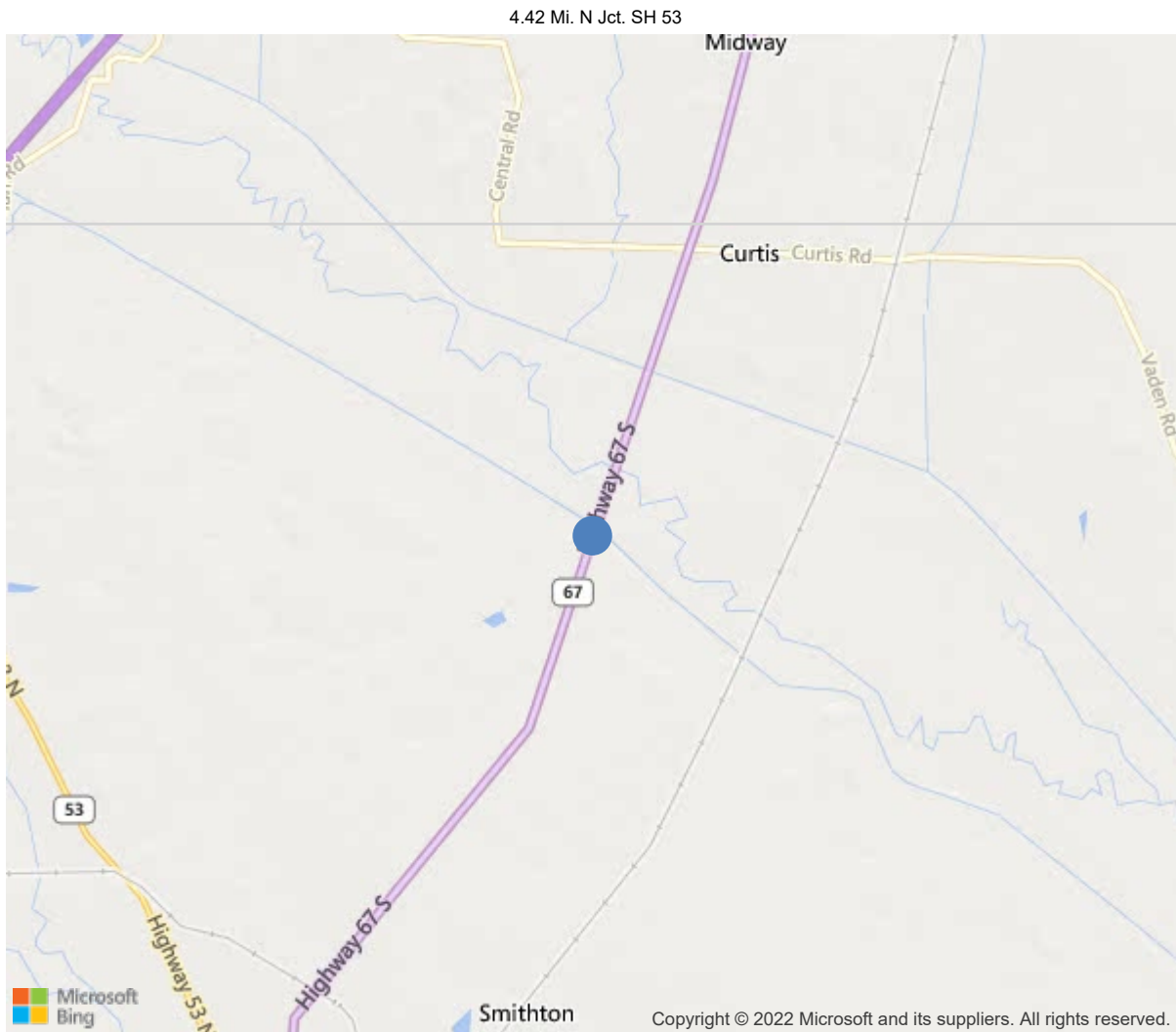


Bridge #07326(Routine, Underwater type 2)

US 67 S-5 LM 4.42 over South Boat Ditch

Location: 4.42 Mi. N Jct. SH 53

Team Lead: Rickie Bratton Inspection Date: December 16, 2020



33.97728, -93.12429

Inspection Direction : S to N



Bridge #07326(Routine, Underwater type 2)

US 67 S-5 LM 4.42 over South Boat Ditch

Location: 4.42 Mi. N Jct. SH 53

Team Lead: Rickie Bratton Inspection Date: December 16, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07326
(5) Inventory Route	67
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	0
(6) Features Intersected	South Boat Ditch
(7) Facility Carried	US 67 S-5 LM 4.42
(9) Location	4.42 Mi. N Jct. SH 53
(11) Mile Point	4.42 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	
(16) Latitude	33.97728
(17) Longitude	-93.12429
(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	N-Not applicable (applies only to structur
Type of Deck Protection	N-Not applicable (applies only to structur
AGE AND SERVICE	
(27) Year Built	2016
(106) Year Reconstructed	
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	3900
(30) Year of ADT	2014
(109) Truck ADT	12 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	90 ft
(49) Structure Length	324 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	43.1 ft
(32) Approach Roadway Width (W/Shoulders)	42 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	41.4 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	1-Navigation protection not requ
(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	8
(59) Superstructure	9
(60) Substructure	9
(61) Channel & Channel Protection	9
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A-HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	60
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	4
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	9
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	8
(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	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	5500
(115) Year of Future ADT	2034

INSPECTIONS *			
(90) Inspection Date			12/2020
(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.			



Bridge #07326(Routine, Underwater type 2)

US 67 S-5 LM 4.42 over South Boat Ditch

Location: 4.42 Mi. N Jct. SH 53

Team Lead: Rickie Bratton, **Inspection Date:** December 16, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	12960	12680	280	0	0
1130	Cracking (RC and Other)	SF	1252	972	280	0	0
107	Steel Open Girder/Beam	LF	1620	1620	0	0	0
515	Steel Protective Coating	SF	10260	10260	0	0	0
205	Reinforced Concrete Column	EA	4	4	0	0	0
215	Reinforced Concrete Abutment	LF	87	87	0	0	0
227	Reinforced Concrete Pile	EA	6	6	0	0	0
234	Reinforced Concrete Pier Cap	LF	87	87	0	0	0
301	Pourable Joint Seal	LF	120	120	0	0	0
310	Elastomeric Bearing	EA	20	20	0	0	0
331	Reinforced Concrete Bridge Railing	LF	648	600	48	0	0
1130	Cracking (RC and Other)	LF	48	0	48	0	0



Soffit



Deck overview



Transverse deck cracks 0.040



Approach roadway



Joint material at abutment 1



Deck



Profile



Roadway



Underside



Bridge #07326(Routine, Underwater type 2)

US 67 S-5 LM 4.42 over South Boat Ditch

Location: 4.42 Mi. N Jct. SH 53

Team Lead: Rickie Bratton **Inspection Date:** December 16, 2020

Inspection Comments

JPR 12/12/2018 This structure is logged south to north.