



Bridge #06223(Routine)
SH 7SP S-2S LM.5 over MILL CREEK
Location: 0.5 MI N JCT 167B

Team Lead: Rickie Bratton Inspection Date: June 20, 2018



Latitude:33.26092, Longitude:-92.66351

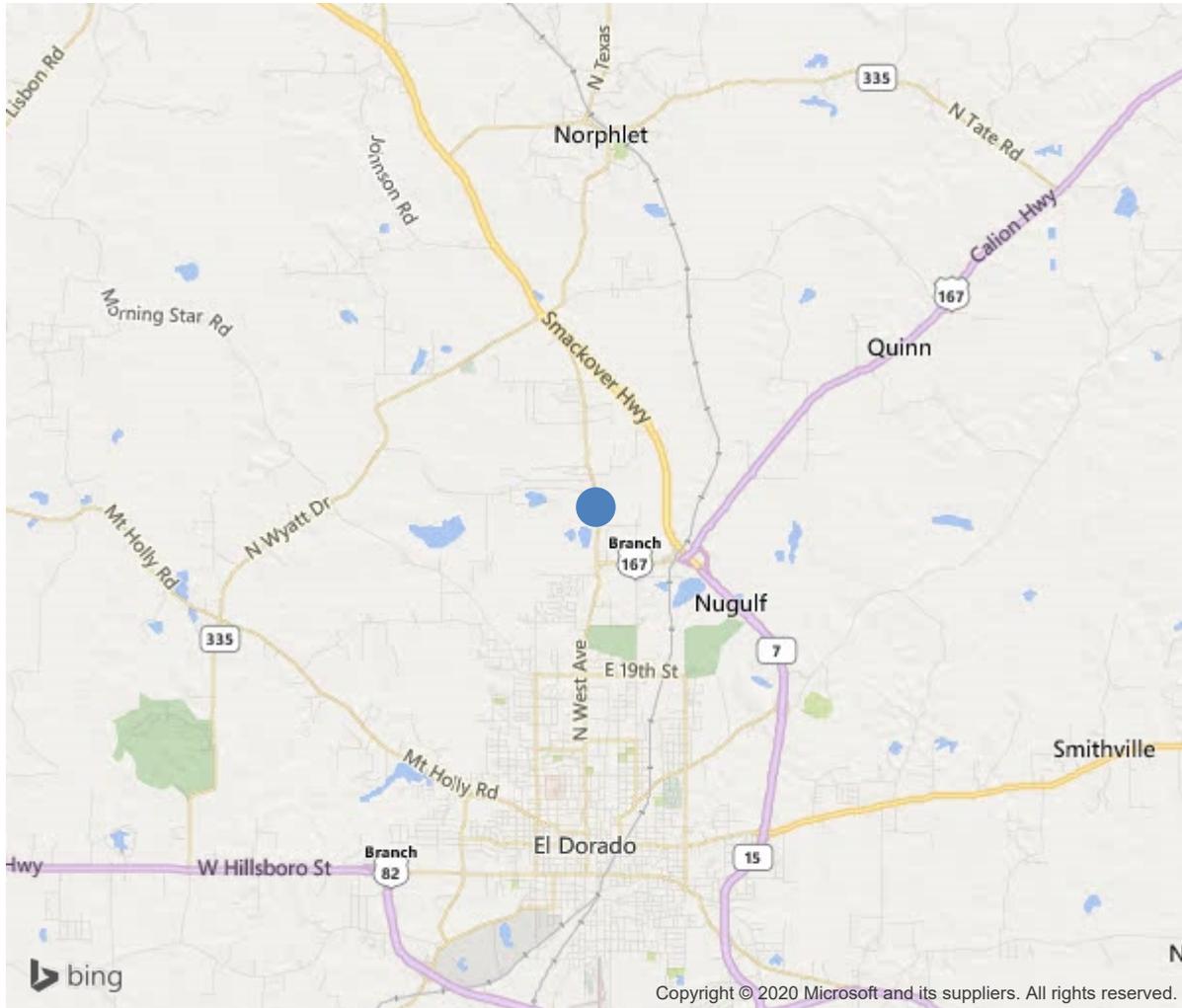
Route:7 Section:02 Log:0.56

Arnold Road ID:70x7x2SxA, Arnold Log mile:0.559

District 07, Union County

Owner: 1-State Highway Agency

0.5 MI N JCT 167B



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06223
(5) Inventory Route	7
(2) Highway Agency District	07
(3) County Code	139-Union County, Arkansas
(4) Place Code	0
(6) Features Intersected	MILL CREEK
(7) Facility Carried	SH 7SP S-2S LM.5
(9) Location	0.5 MI N JCT 167B
(11) Mile Point	0.56 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.26092
(17) Longitude	-92.66351
(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	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	9-Other
AGE AND SERVICE	
(27) Year Built	1991
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	8100
(30) Year of ADT	2018
(109) Truck ADT	3 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	45 ft
(49) Structure Length	183 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	64 ft
(52) Deck Width Out to Out	66.8 ft
(32) Approach Roadway Width (W/Shoulders)	64 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	65 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	16-Urban 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	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	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	8
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
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	10038
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201806
(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

SUFFICIENCY RATING	99.1
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	12224	11189	1035	0	0
1130	Cracking (RC and Other)	SF	1035	0	1035	0	0
(12)							
Spans 1-4 have longitudinal cracks. Max 0.016							
Span 2 has some transverse cracks.							
107	Steel Open Girder/Beam	LF	1647	1647	0	0	0
515	Steel Protective Coating	SF	11255	11255	0	0	0
227	Reinforced Concrete Pile	EA	27	27	0	0	0
234	Reinforced Concrete Pier Cap	LF	325	325	0	0	0
302	Compression Joint Seal	LF	325	325	0	0	0
311	Movable Bearing	EA	36	36	0	0	0
313	Fixed Bearing	EA	36	36	0	0	0
331	Reinforced Concrete Bridge Railing	LF	366	366	0	0	0



Approach roadway.



Elevation.



Soffit overview.



Deck overview.



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Maintenance Needs



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Inspection Comments

Logged south to north.
