



Latitude:36.48408, Longitude:-94.45838

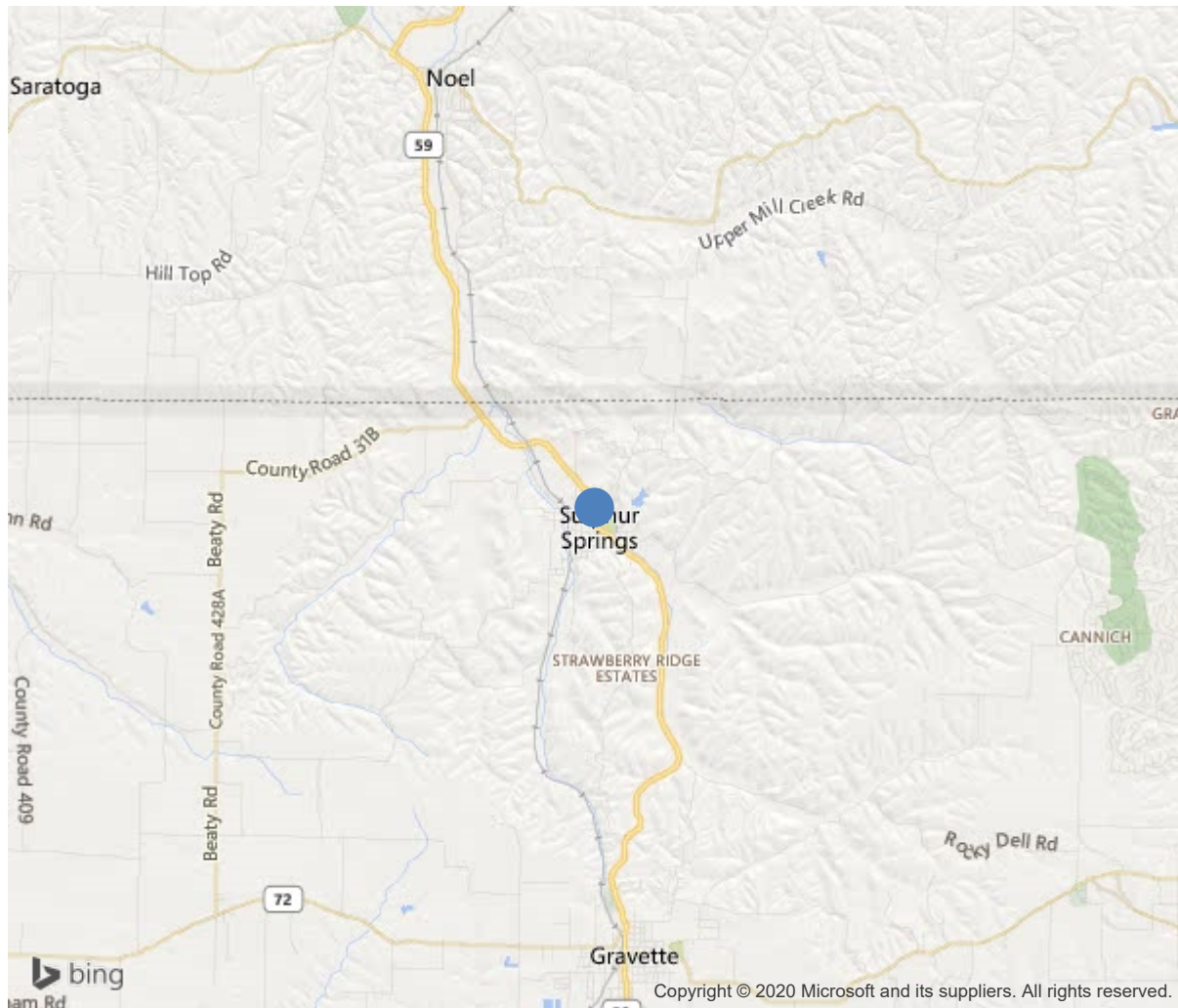
Route:59 Section:01 Log:1.74

Arnold Road ID:4x59x1xA, Arnold Log mile:1.744

District 09, Benton County

Owner: 1-State Highway Agency

4.8 MI N JCT SH 72 & 59



36.48408, -94.45838



Bridge #06997(Routine)

SH 59 Benton 2 over BUTLER CREEK

Location: 4.8 MI N JCT SH 72 & 59

Team Lead: Tommy Dohn Inspection Date: April 21, 2016

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06997
(5) Inventory Route	59
(2) Highway Agency District	09
(3) County Code	7-Benton County, Arkansas
(4) Place Code	0
(6) Features Intersected	BUTLER CREEK
(7) Facility Carried	SH 59 Benton 2
(9) Location	4.8 MI N JCT SH 72 & 59
(11) Mile Point	1.74 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	36.48408
(17) Longitude	-94.45838
(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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2006
(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	3700
(30) Year of ADT	2018
(109) Truck ADT	26 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	68 ft
(49) Structure Length	183 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	43.3 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	30 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	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	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	4-Historical significance is not dete
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	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	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	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(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	8-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	4090
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201705
(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	98.7
STATUS (SD/FO/None)	Not Deficient

Location: 4.8 MI N JCT SH 72 & 59

Team Lead: Tommy Dohn, **Inspection Date:** April 21, 2016

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12 (12)	Reinforced Concrete Deck Deck cracking throughout. size and spacing allows for CS1.	SF	7218	7218	0	0	0
107 (107)	Steel Open Girder/Beam Weathering steel.	LF	900	900	0	0	0
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	136	136	0	0	0
234	Reinforced Concrete Pier Cap	LF	96	96	0	0	0
302 (302)	Compression Joint Seal Joint seals have mild debris impaction but are not yet leaking	LF	96	96	0	0	0
310	Elastomeric Bearing	EA	20	20	0	0	0
331 (331)	Reinforced Concrete Bridge Railing some minor vertical cracks in bridge rail. allows for CS1	LF	366	366	0	0	0



Approach view in direction of log mile.



Bridge #06997 (Routine)
SH 59 Benton 2 over BUTLER CREEK

Location: 4.8 MI N JCT SH 72 & 59

Team Lead: Tommy Dohn Inspection Date: April 21, 2016

Maintenance Needs



Bridge #06997 (Routine)
SH 59 Benton 2 over BUTLER CREEK
Location: 4.8 MI N JCT SH 72 & 59

Team Lead: Tommy Dohn **Inspection Date:** April 21, 2016

Inspection Comments

TAD/BDS 4/21/16 Routine inspection only. Structure is in good condition. Debris impaction to abutment #1,2 joint seals but are not yet leaking. Sealable deck cracks through out structure. No other deficiencies noted.
