



Latitude:34.07669, Longitude:-93.09365

Route:67 Section:05 Log:11.518

Arnold Road ID:10x67x5xA, Arnold Log mile:11.513

District 07, Clark County

Owner: 1-State Highway Agency

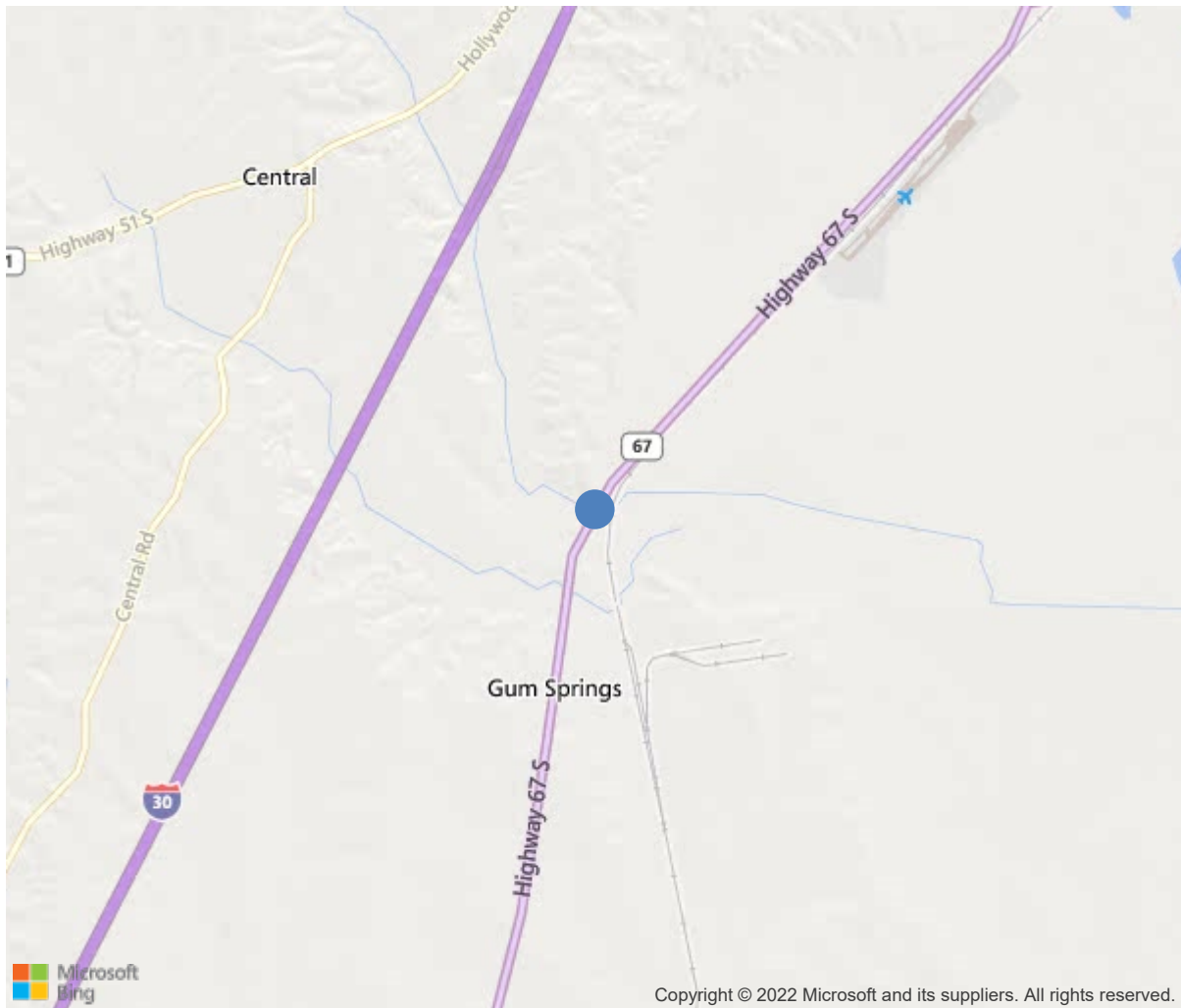


Bridge #01482(Routine, Underwater type 2)
US 67 S-5 LM11.51 over LITTLE DECIPER CREEK

Location: 1.3 MI NORTH JCT SH 26

Team Lead: Jimmy Reynolds **Inspection Date:** March 09, 2021

1.3 MI NORTH JCT SH 26



34.07669, -93.09365

Inspection Direction : W to E



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01482
(5) Inventory Route	67
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	0
(6) Features Intersected	LITTLE DECIPER CREEK
(7) Facility Carried	US 67 S-5 LM11.51
(9) Location	1.3 MI NORTH JCT SH 26
(11) Mile Point	11.518 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.0766884388748
(17) Longitude	-93.0936519798952
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1-Concrete
Type	4-Tee beam
(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	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1931
(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	2300
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	90 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	27 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	26.9 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	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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(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	6
(68) Deck Geometry	2
(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	Replacement of bridge or other
(76) Length of Structure Improvement	116 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 125
(96) Total Project Cost	\$ 350
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	3620
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			03/2021
(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.			

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	2430	2425	5	0	0
1130	Cracking (RC and Other)	SF	5	0	5	0	0
510	Wearing Surfaces	SF	2175	1675	500	0	0
3220	Crack (Wearing Surface)	SF	500	0	500	0	0
(16)							
Cracks in ac ol and @ open joints.							
(16-510)							
Wearing Surfaces = (24.17' x 90.0') = 2175.3 sq.ft. or 2175 sq.ft. per plans. Figured Curb - Curb @ 24.17' due to wearing surface is @ the top of the curb, curb to curb @ top of the curb = 24.17' per plans.							
110	Reinforced Concrete Open Girder/Beam	LF	270	267	3	0	0
1090	Exposed Rebar	LF	3	0	3	0	0
(110)							
Bent 3 back, girders 1 & 2, 2' of spall @ haunches, with exposed steel. Abutment 2, girder 3 has 1' of spall with exposed steel.							
210	Reinforced Concrete Pier Wall	LF	41	41	0	0	0
(210)							
Reinforced Concrete Pier Wall = ((10' 3 1/2" x 2) x 2) = 20.56' x 2 = 41.16' or 41' per plans.							
215	Reinforced Concrete Abutment	LF	136	121	15	0	0
1130	Cracking (RC and Other)	LF	15	0	15	0	0
(215)							
Reinforced Concrete Abutments = ((13.5' x 2) + 19.17' + 22.0') = (68.17' x 2) = 136.34' or 136' per plans.							
234	Reinforced Concrete Pier Cap	LF	42	39	3	0	0
1090	Exposed Rebar	LF	3	0	3	0	0
(234)							
Bent 3 ahead, Pier cap #2, 1' of spall with exposed steel.							
Reinforced Concrete Pier Caps = ((10.5' x 2) x 2) = 42' per plans.							



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
304	Open Expansion Joint	LF	48	0	48	0	0
2360	Adjacent Deck or Header	LF	48	0	48	0	0
(304)	Open Expansion Joints = (24' x 2) = 48' per plans.						
330	Metal Bridge Railing	LF	180	150	30	0	0



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
7000	Damage	LF	30	0	30	0	0



Underside span 1



Roadway



Deck overview.



Span 3, bay 1, small cracks.



Approach roadway.



Right side curb spalls



Elevation

Maintenance Needs

Date Reported: 03/21/2011

Priority: D- Routine

Type of Work: None

Status: Assigned

Component:

Deficiency Description

Span 1 right side

Collision damage to bridge rail and first four posts. The anchor bolts have broken from the curb and the rail is supporting these posts. Post #1 is missing, and the next 3 posts are detached from bridge with rail supporting them.

Remarks



Span 1 rt. rail has collision damage, 1st 3 posts are detached from the curb.



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Date Reported: 03/21/2011

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Channel
Eroding bankline downstream left.

Remarks



Erosion abutment 1 left side.



Erosion left side



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Inspection Comments

Logged south to north. 3 span structure , all concrete cip with ac ol on deck. Abutment 1 right side has cracks in wingwall and a chip @ bearing area with g # 3. Some minor chips and spalls.

Deck Notes

Curbs: Curbs are spalled from impact damage from rail collision.

Railing: Right side rail collision damage.

Wearing Surface: Some cracks in AC OL.

Superstructure Notes

Girders/Beams: Some spalls with exposed steel.

Substructure Notes

Slope Protection: Erosion @ base of abutment 1 left side.

Backwall: Abutment 1 rt. side cracks. Bearing area abutment 1 girder 3 has a crack and spall.

Pier Cap: Minor spall switch exposed steel.