



Latitude:35.15235, Longitude:-91.81999

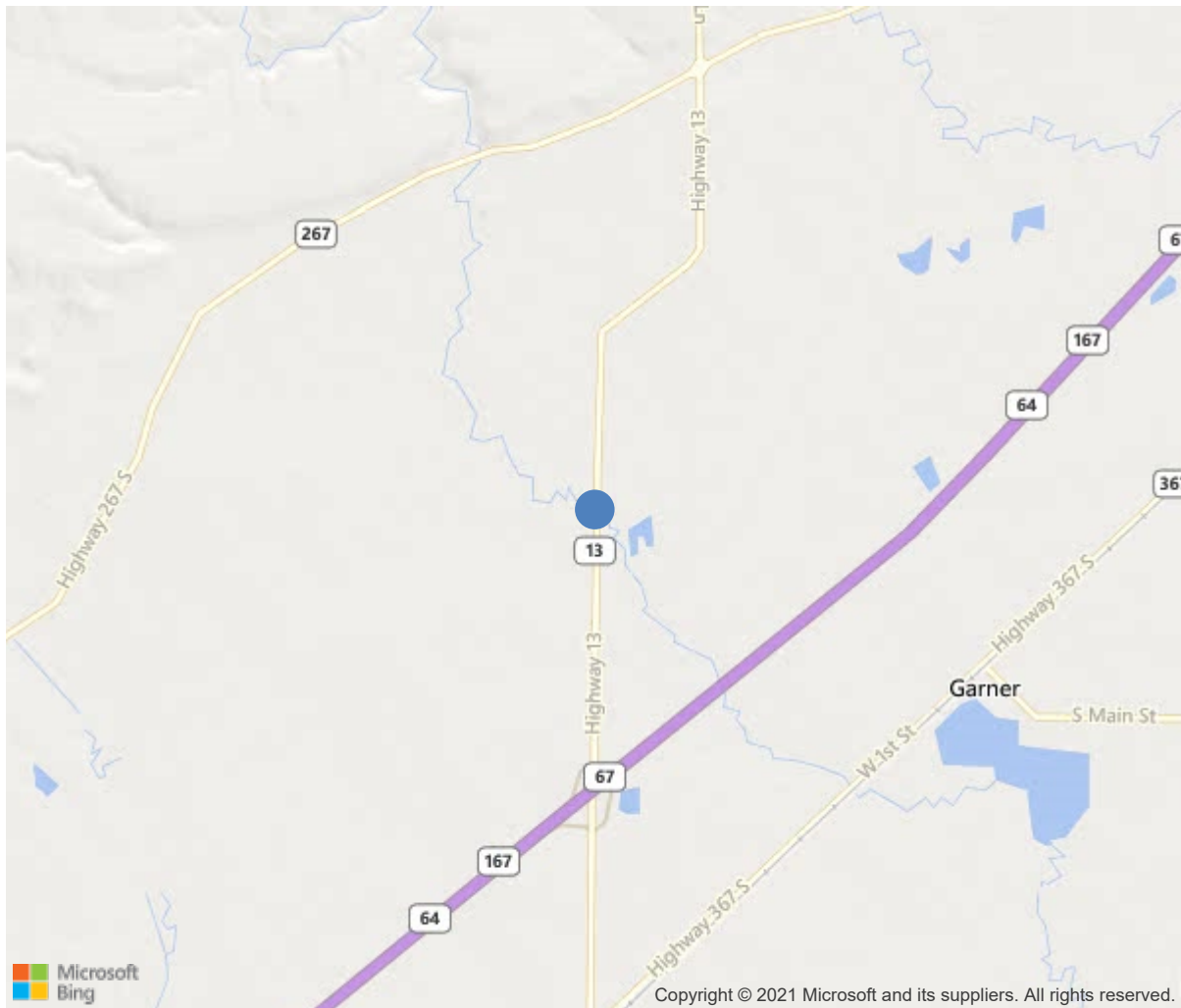
Route:13 Section:13 Log:2.609

Arnold Road ID:73x13x13xA, Arnold Log mile:2.569

District 05, White County

Owner: 1-State Highway Agency

2.6 MI N JCT SH 367



35.15235, -91.81999



Bridge #M3315(Routine, Underwater type 2)

SH 13 White County over CANE CREEK

Location: 2.6 MI N JCT SH 367

Team Lead: Kerry Little Inspection Date: June 15, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M3315
(5) Inventory Route	13
(2) Highway Agency District	05
(3) County Code	145-White County, Arkansas
(4) Place Code	0
(6) Features Intersected	CANE CREEK
(7) Facility Carried	SH 13 White County
(9) Location	2.6 MI N JCT SH 367
(11) Mile Point	2.609 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.15235
(17) Longitude	-91.81999
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1-Concrete
Type	22-Channel beam
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	0
(107) Deck Structure Type	2-Concrete Precast Panels
(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	1974
(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	1900
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	62 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	26.2 ft
(52) Deck Width Out to Out	28.3 ft
(32) Approach Roadway Width (W/Shoulders)	25.9 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	27.2 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	7
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	5
(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	51
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	2
Rating	31
(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	4
(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	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	1762
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/2020		
(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.			

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1755	1730	21	4	0
1080	Delamination/Spall/Patched Area	SF	10	0	6	4	0
1130	Cracking (RC and Other)	SF	15	0	15	0	0
(16)							
Spalls to joints @ Bent 1. Cracking to deck @ Unit 4 @ Span 1. Span 2 - Few spalls to joint material between Units 5-6							
110	Reinforced Concrete Open Girder/Beam	LF	496	492	3	1	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1090	Exposed Rebar	LF	1	0	0	1	0
(110)							
Span 1 - Minor spall to Girder 1. Span 2 - Spall with rebar exposed to Unit 2 @ beginning of Span 2.							
205	Reinforced Concrete Column	EA	2	0	2	0	0
1190	Abrasion/Wear (PSC/RC)	EA	2	0	2	0	0
(205)							
Minor abrasion to Columns 1 & 2 @ Bent 1.							
215	Reinforced Concrete Abutment	LF	102	66	25	11	0
1080	Delamination/Spall/Patched Area	LF	14	0	14	0	0
1090	Exposed Rebar	LF	2	0	0	2	0
1120	Efflorescence/Rust Staining	LF	4	0	4	0	0
1130	Cracking (RC and Other)	LF	16	0	7	9	0
(215)							
Abutment 1 - 8' vertical/diagonal cracking, some with minor efflorescence. Spall with rebar exposed beneath Unit 5 @ Abutment 1. Delaminated area beneath Unit 7 @ Scour below top of footing to Right end & wing wall.							
Abutment 2 - 8' vertical/diagonal cracking to Abutment 2. Spalls due to bullet impact @ Abutment 2.							
220	Reinforced Concrete Pile Cap/Footing	LF	46	0	24	22	0
1190	Abrasion/Wear (PSC/RC)	LF	22	0	0	22	0
6000	Scour	LF	24	0	24	0	0
(220)							
Right end of footing is exposed @ Abutment 1.							

Team Lead: Kerry Little, **Inspection Date:** June 15, 2020



Logmile looking North.



Overall deck @ spans 1 & 2.



Overall deck below @ span 1.

Maintenance Needs

Date Reported: 06/20/2012

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Right rail is loose with sheared bolts at Span 1 & 2.

Remarks



Right guardrail is loose with sheared bolts at Span 1 & 2.



Right rail is loose with sheared bolts at Span 1 & 2.

Date Reported: 06/16/2014

Priority: D- Routine

Type of Work: None

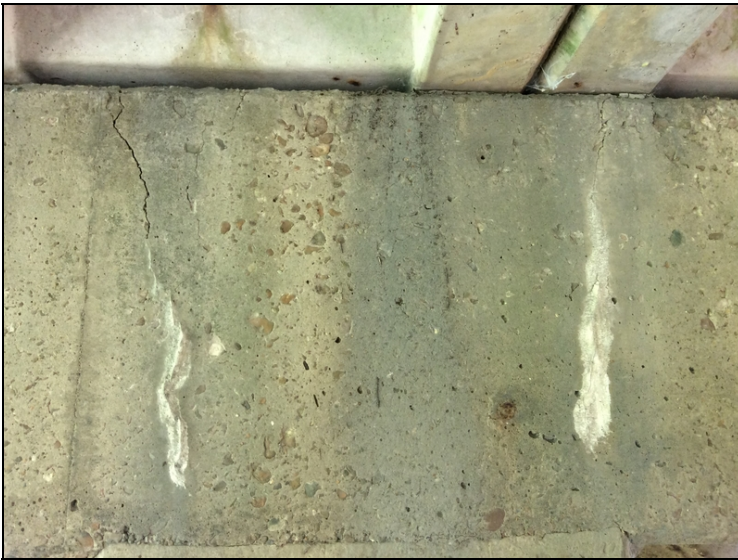
Status: Monitor

Component:

Deficiency Description

Cracks & spalls to cap at Bent 1.

Remarks



Efflorescent cracking to cap at Bent 1.



Cracks & spalls to cap at Bent 1.



Cracks & spalls to cap at Bent 1.

Date Reported: 06/16/2014

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Footing exposed at Bent 1.

Remarks



Footing exposed at Bent 1.



Footing exposed at Bent 1.



Bridge #M3315(Routine, Underwater type 2)

SH 13 White County over CANE CREEK

Location: 2.6 MI N JCT SH 367

Team Lead: Kerry Little **Inspection Date:** June 15, 2020

Date Reported: 06/18/2018
Priority: C - Important
Type of Work: N/A
Status: Assigned
Component:

Deficiency Description

Deep scour @ Spans 1 & 2 exposing footings @ Abutment 1 & Bent 1.

Remarks



Deep scour @ Span 1.



Deep scour to Span 2.



Deep scour exposing footings @ Abutment 1.



Deep scour @ Bent 1.



Bridge #M3315(Routine, Underwater type 2)

SH 13 White County over CANE CREEK

Location: 2.6 MI N JCT SH 367

Team Lead: Kerry Little **Inspection Date:** June 15, 2020

Inspection Comments

Logmile looking North.