



Latitude:35.48156, Longitude:-91.23061

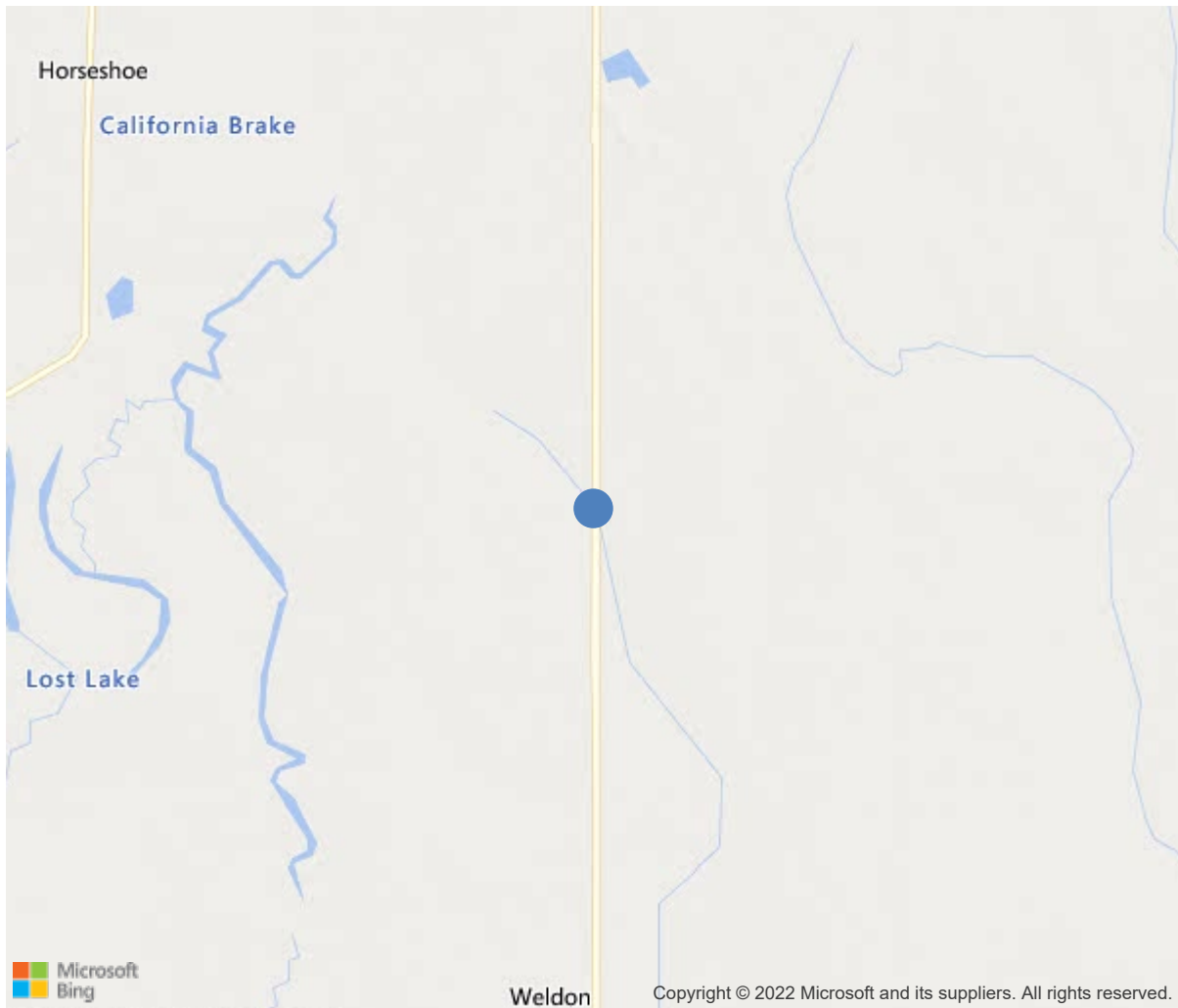
Route:17 Section:06 Log:8.608

Arnold Road ID:34x17x6xA, Arnold Log mile:8.574

District 05, Jackson County

Owner: 1-State Highway Agency

5.9 MI S JCT OF SH 14



35.48156, -91.23061

Inspection Direction : S to N



Bridge #02734(Routine)

Jackson Co. / SH 17 over OVERCUP DITCH

Location: 5.9 MI S JCT OF SH 14

Team Lead: Kerry Little Inspection Date: June 07, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	02734
(5) Inventory Route	17
(2) Highway Agency District	05
(3) County Code	67-Jackson County, Arkansas
(4) Place Code	0
(6) Features Intersected	OVERCUP DITCH
(7) Facility Carried	Jackson Co. / SH 17
(9) Location	5.9 MI S JCT OF SH 14
(11) Mile Point	8.608 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.4815571587107
(17) Longitude	-91.2306131545963
(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	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	1950
(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	1300
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	26 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	77 ft
(50) Curb or Sidewalk Width	
Left	1.3 ft
Right	1.3 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	26.6 ft
(32) Approach Roadway Width (W/Shoulders)	24 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	25.9 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	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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	7
(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	42
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	25
(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	6
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(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	
(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	1939
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/2021		
(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.			

**Team Lead:** Kerry Little, **Inspection Date:** June 07, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	1964	1564	400	0	0
1120	Efflorescence/Rust Staining	SF	200	0	200	0	0
1130	Cracking (RC and Other)	SF	200	0	200	0	0
510	Wearing Surfaces	SF	1848	1748	0	100	0
3220	Crack (Wearing Surface)	SF	100	0	0	100	0
(12)							
Asphalt is cracked @ all joints. Several minor transv. efflor. cracks to deck below @ all spans. Bridge rail has minor rust & peeling and flaking paint. Abut. 1 & 2 - Rt. end post have large spalls @ both abutments have (collision damage) with rebar exposed.							
107	Steel Open Girder/Beam	LF	375	325	50	0	0
1000	Corrosion	LF	50	0	50	0	0
515	Steel Protective Coating	SF	1890	0	1890	0	0
3420	Peeling/Bubbling/Cracking	SF	900	0	900	0	0
3410	Chalking (Steel Protective Coatings)	SF	990	0	990	0	0
(107)							
1' of all girder ends have rust with minor pitting & some with minor section loss. Span 1 - 3" of lower web & bottom flange of Girders 1 & 5 have 5' of rust to each end of girder. Span 3 - 3" of lower web & bottom flange of Girders 1 & 5 have 5' of rust to each end of girder.							
215	Reinforced Concrete Abutment	LF	81	50	31	0	0
6000	Scour	LF	27	0	27	0	0
7000	Damage	LF	4	0	4	0	0
(215)							
Abut. 1 - Undermining to abutment with 2 piles exposed. Abut. 2 - Undermining to abutment with 1 pile exposed.							
227	Reinforced Concrete Pile	EA	11	0	3	8	0
1190	Abrasion/Wear (PSC/RC)	EA	8	0	0	8	0
6000	Scour	EA	3	0	3	0	0
(227)							
Minor to moderate abrasion to all piles.							
234	Reinforced Concrete Pier Cap	LF	49	49	0	0	0
(234)							

**Team Lead:** Kerry Little, **Inspection Date:** June 07, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Caps have minor abrasion.							
303	Assembly Joint with Seal	LF	48	0	0	48	0
2350	Debris Impaction	LF	48	0	0	48	0
(303)							
Not visible due to asphalt overlay.							
304	Open Expansion Joint	LF	48	48	0	0	0
(304)							
Not visible due to asphalt overlay. Asphalt overlay is cracked @ joints.							
311	Movable Bearing	EA	15	0	15	0	0
1000	Corrosion	EA	15	0	15	0	0
515	Steel Protective Coating	SF	60	0	0	0	60
3440	Effectiveness (Steel Protective Coatings)	SF	60	0	0	0	60
(311)							
Rust and minor corrosion to all bearings. Paint has failed on bearings.							
313	Fixed Bearing	EA	15	11	4	0	0
1000	Corrosion	EA	4	0	4	0	0
515	Steel Protective Coating	SF	60	30	30	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	30	0	30	0	0
(313)							
Bearings 1 & 5 at Abutments 1 & 2 have rust and minor section loss.							
330	Metal Bridge Railing	LF	154	0	154	0	0
1000	Corrosion	LF	154	0	154	0	0
515	Steel Protective Coating	SF	462	0	0	462	0
3420	Peeling/Bubbling/Cracking	SF	0	0	0	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	462	0	0	462	0
(330)							
Bridge rail has corrosion with peeling and flaking paint. Minor spalls to Left & Right curbs.							



Overall deck.



Logmile looking North.



Typical cracks to Lt & Rt overhangs.



Typical cracks to Lt & Rt overhangs.



Overall soffit @ span 1.



Typical cracks to a/c overlay @ all spans.



Typical abrasion to all piles.

## Maintenance Needs

**Date Reported:** 05/17/2011

**Priority:** D- Routine

**Type of Work:** Repair

**Status:** Monitor

**Component:**

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### Deficiency Description

Undermining @ Abutment 1 with 3 piles exposed.

Undermining @ Abutment 2 with 1 pile exposed.

### Remarks

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Undermining @ Abutment 2 with 1 pile exposed.



Undermining @ Abutment 1 with 2 piles exposed.





Undermining @ Abutment 1 with 3 piles exposed.



Undermining @ Abutment 2 with 1 pile exposed.

**Date Reported:** 05/17/2011  
**Priority:** D- Routine  
**Type of Work:** Clean  
**Status:** Monitor  
**Component:**

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**Deficiency Description**

Rust to ends of all girders & bearing assemblies @ all spans.

**Remarks**

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Typical condition of Girders & Bearings.



Rust to ends of all girders & bearing assemblies @ all spans.



Bridge #02734(Routine)  
Jackson Co. / SH 17 over OVERCUP DITCH  
Location: 5.9 MI S JCT OF SH 14

Team Lead: Kerry Little Inspection Date: June 07, 2021

Date Reported: 05/17/2011

Priority: D- Routine

Type of Work: Clean

Status: Monitor

Component:

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### Deficiency Description

Debris on all caps.

### Remarks

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Debris on caps.



Debris on all caps.



**Bridge #02734**(Routine)

**Jackson Co. / SH 17 over OVERCUP DITCH**

**Location: 5.9 MI S JCT OF SH 14**

**Team Lead:** Kerry Little **Inspection Date:** June 07, 2021

**Inspection Comments**

Log Mile running North.