



Latitude:35.39177, Longitude:-90.27306

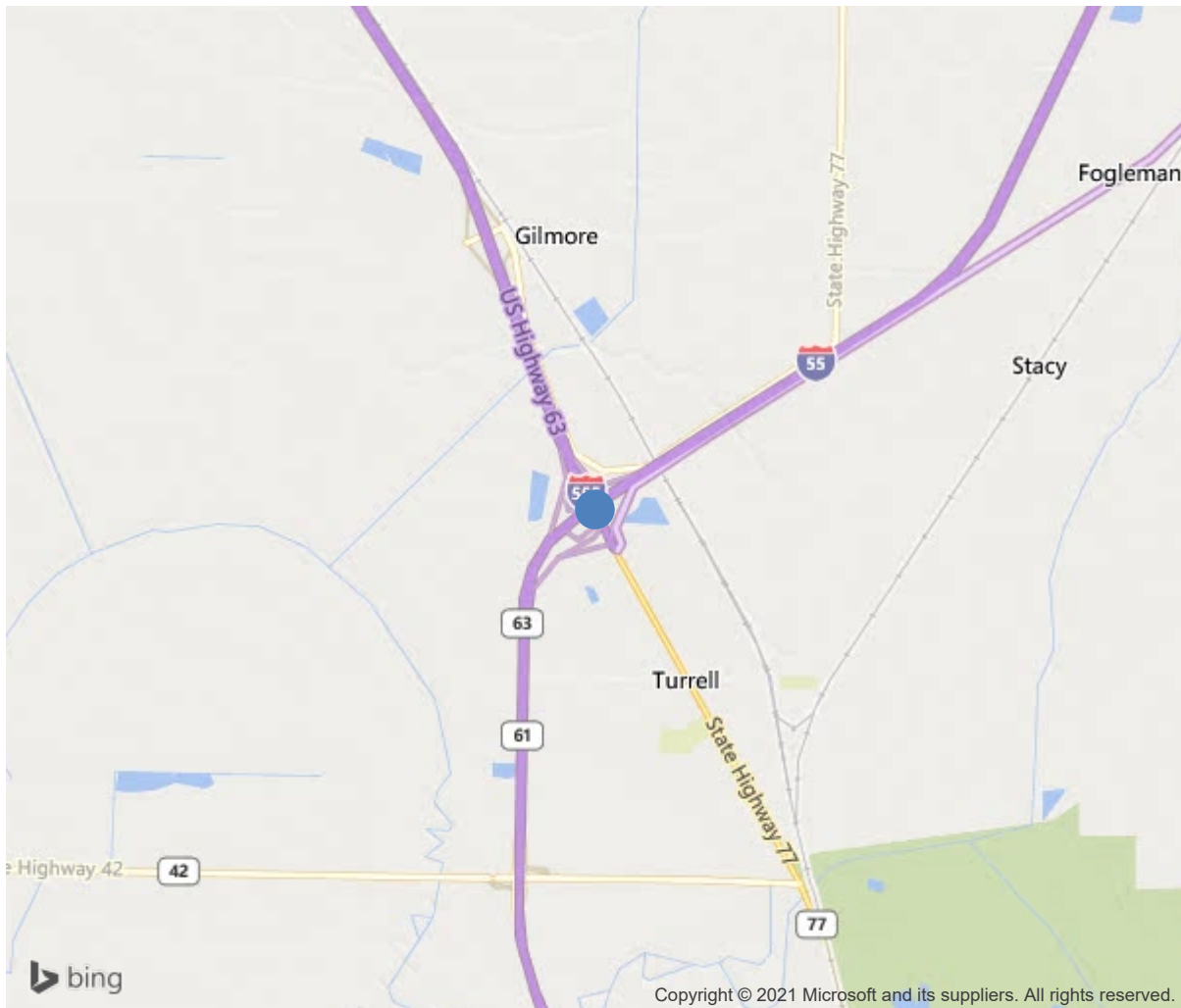
Route:555 Section:01 Log:0.22

Arnold Road ID:18x555x343xA, Arnold Log mile:0.222

District 01, Crittenden County

Owner: 1-State Highway Agency

3.6 Mi So Poinsett Co Ln



35.39177, -90.27306



Bridge #06998(Routine)

I-555/Sec-1/L-0.22 over I-55/Sec-11/L-23.47

Location: 3.6 Mi So Poinsett Co Ln

Team Lead: Drew Melton Inspection Date: September 09, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06998
(5) Inventory Route	555
(2) Highway Agency District	01
(3) County Code	35-Crittenden County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-55/Sec-11/L-23.47
(7) Facility Carried	I-555/Sec-1/L-0.22
(9) Location	3.6 Mi So Poinsett Co Ln
(11) Mile Point	0.22 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063100
(16) Latitude	35.391769
(17) Longitude	-90.273064
(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	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	5-Epoxy Overlay
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	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	3
Under	5
(29) Average Daily Traffic	810
(30) Year of ADT	2019
(109) Truck ADT	1 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	90 ft
(49) Structure Length	282.2 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	52 ft
(52) Deck Width Out to Out	55.1 ft
(32) Approach Roadway Width (W/Shoulders)	52 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	52 ft
(53) Min Vert Clear Over Bridge Rdwy	99 ft
(54) Min Vert Underclear	17.03 ft
Ref:	
(55) Min Lat Underclear RT	29.4 ft
Ref:	
(56) Min Lat Underclear LT	7.1 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(111) Pier Protection	2-In place and functioning
(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	1
(26) Functional Class	1-Rural Principal Arterial - Int
(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	4-Historical significance is not dete
CONDITION	
(58) Deck	8
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(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	5
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	7
(36) Traffic Safety Features	1NNN
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	N-Not applicable or a safety feature
C) Approach Guardrail	N-Not applicable or a safety feature
D) Approach Guardrail Ends	N-Not applicable or a safety feature
(113) Scour Critical Bridges	N-Bridge not over waterway.
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	0
(114) Future ADT	4500
(115) Year of Future ADT	2033
INSPECTIONS	
(90) Inspection Date	
(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



**Bridge #06998(Routine)**  
**I-555/Sec-1/L-0.22 over I-55/Sec-11/L-23.47**

**Location: 3.6 Mi So Poinsett Co Ln**

**Team Lead: Drew Melton, Inspection Date: September 09, 2020**

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	15547	15359	188	0	0
1120	Efflorescence/Rust Staining	SF	188	0	188	0	0
(12)	Soffit/under surface overhangs have hairline cracks spaced 2' a part 1/3 with light efflorescence.						
107	Steel Open Girder/Beam	LF	1960	1960	0	0	0
515	Steel Protective Coating	SF	17995	17845	150	0	0
3420	Peeling/Bubbling/Cracking	SF	150	0	150	0	0
(107)	Paint has a few small spots of peeling with primer exposed approximately 150 square feet total.						
205	Reinforced Concrete Column	EA	9	8	1	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
(205)	Bent #3 right column ahead face has five foot delaminated area.						
215	Reinforced Concrete Abutment	LF	172	151	21	0	0
1120	Efflorescence/Rust Staining	LF	18	0	18	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(215)	Both abutment backwall's have vertical hairline cracks spaced 3' apart half with light efflorescence. Abutment #1 right side has one foot long cs2 crack where back wall meets cap. Abutment #1 left side has two foot long cs2 crack where back wall meets cap.						
234	Reinforced Concrete Pier Cap	LF	162	162	0	0	0
(234)	Bottom of bent #3 cap has exposed form wires.						
300	Strip Seal Expansion Joint	LF	110	110	0	0	0
310	Elastomeric Bearing	EA	35	35	0	0	0
321	Reinforced Concrete Approach Slab	SF	2628	2588	0	40	0
1130	Cracking (RC and Other)	SF	40	0	0	40	0
(321)	Both approach slabs have diagonal cracking at corners near bridge end 40 square feet.						
331	Reinforced Concrete Bridge Railing	LF	564	423	141	0	0
1130	Cracking (RC and Other)	LF	141	0	141	0	0

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(331)	Bridge rails have vertical cs2 cracks spaced every four feet.						



**Bridge #06998**(Routine)

**I-555/Sec-1/L-0.22 over I-55/Sec-11/L-23.47**

**Location: 3.6 Mi So Poinsett Co Ln**

**Team Lead:** Drew Melton **Inspection Date:** September 09, 2020



## Maintenance Needs

**Date Reported:** 11/02/2012  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** 321 - Reinforced Concrete Approach Slab

---

## Deficiency Description

Both approach slabs have diagonal cracking at corners near bridge end 40 square feet.

## Remarks

---



Abutment #1 approach slab



Abutment #2 approach slab slab



**Bridge #06998**(Routine)

**I-555/Sec-1/L-0.22 over I-55/Sec-11/L-23.47**

**Location: 3.6 Mi So Poinsett Co Ln**

**Team Lead:** Drew Melton **Inspection Date:** September 09, 2020

---

### **Substructure Notes**

09-09-2020 lowered substructure from 8 to 7 due to cracks in back walls with light efflorescence.