



Latitude:35.24703, Longitude:-90.21974

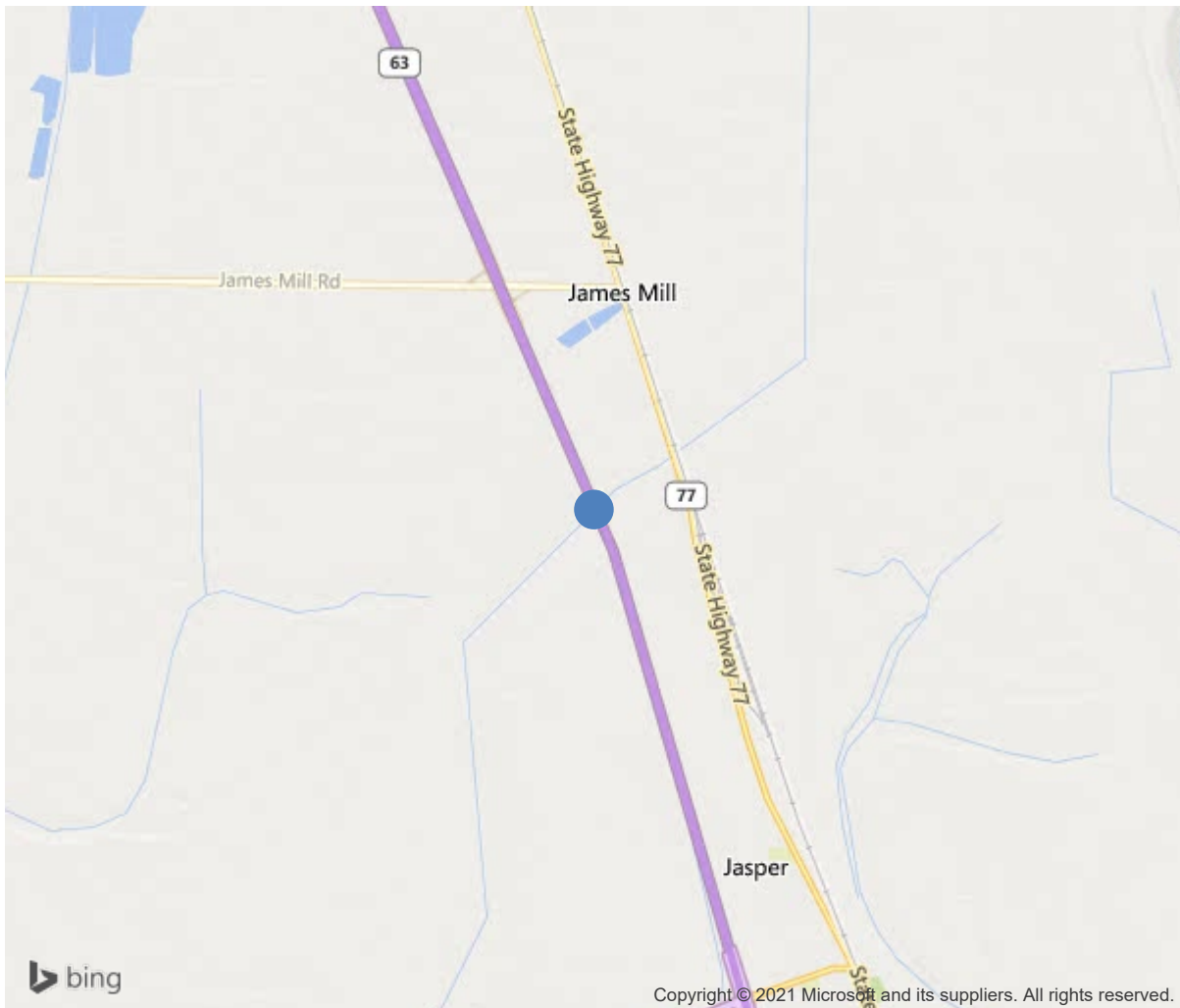
Route:55 Section:11 Log:12.68

Arnold Road ID:18x55x11xB, Arnold Log mile:59.604

District 01, Crittenden County

Owner: 1-State Highway Agency

2.5 Mi N Of Marion, Ark



35.24703, -90.21974



Bridge #A2808(Routine)

I-55SO/Sec11/12.68 over 15 Mile Bayou

Location: 2.5 Mi N Of Marion, Ark

Team Lead: Drew Melton Inspection Date: April 13, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A2808
(5) Inventory Route	55
(2) Highway Agency District	01
(3) County Code	35-Crittenden County, Arkansas
(4) Place Code	0
(6) Features Intersected	15 Mile Bayou
(7) Facility Carried	I-55SO/Sec11/12.68
(9) Location	2.5 Mi N Of Marion, Ark
(11) Mile Point	12.68 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000055110
(16) Latitude	35.247032
(17) Longitude	-90.219742
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	21
Material	2-Concrete continuous
Type	1-Slab
(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	3-Latex Concrete or similar additive
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1956
(106) Year Reconstructed	2014
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	36794
(30) Year of ADT	2014
(109) Truck ADT	34 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	29 ft
(49) Structure Length	81 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	39.7 ft
(52) Deck Width Out to Out	42.6 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 ft
(33) Bridge Median	0-No median
(34) Skew	22 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	39.7 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	1
(26) Functional Class	1-Rural Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	L-The left structure of parallel
(102) Direction of Traffic	1 - 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	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	8
(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	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	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	
(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	17922
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	04/2020
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No
B: Underwater Inspection	Yes
C: Other Special Inspection	No

Team Lead: Drew Melton, **Inspection Date:** April 13, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3402	3078	162	162	0
1120	Efflorescence/Rust Staining	SF	324	0	162	162	0
(38)							
Widened sections of bridge have open transverse cracks with moderate to heavy efflorescence. Right & left side of slab have vertical cracks with light efflorescence spaced one foot apart.							
215	Reinforced Concrete Abutment	LF	107	105	0	2	0
1080	Delamination/Spall/Patched Area	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	1	0	0	1	0
(215)							
Abutment #2 has open vertical crack 1" wide x 9" deep for full height & 1' spall on right side of crack.							
227	Reinforced Concrete Pile	EA	14	14	0	0	0
(227)							
Bent #2, pile #7 - concrete encased full visible length.							
234	Reinforced Concrete Pier Cap	LF	94	94	0	0	0
(234)							
-							
301	Pourable Joint Seal	LF	84	84	0	0	0
321	Reinforced Concrete Approach Slab	SF	2100	1575	525	0	0
1130	Cracking (RC and Other)	SF	525	0	525	0	0
(321)							
Approach slabs have cs2 transverse cracks.							
330	Metal Bridge Railing	LF	162	162	0	0	0
331	Reinforced Concrete Bridge Railing	LF	162	162	0	0	0
(331)							
Left & right rails have hairline vertical cracks.							



Bridge #A2808(Routine)

I-55SO/Sec11/12.68 over 15 Mile Bayou

Location: 2.5 Mi N Of Marion, Ark

Team Lead: Drew Melton **Inspection Date:** April 13, 2020

Maintenance Needs

Date Reported: 04/18/2012
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Component: 215 - Reinforced Concrete Abutment

Deficiency Description

Abutment #2 has open vertical crack 1" wide x 9" deep for full height & 1' spall on right side of crack.

Remarks



Abutment 2 cap



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I-55SO/Sec11/12.68 over 15 Mile Bayou

Location: 2.5 Mi N Of Marion, Ark

Team Lead: Drew Melton **Inspection Date:** April 13, 2020

Date Reported: 04/18/2016

Priority: D- Routine

Type of Work: Clean

Status: Monitor

Component: Deck

Deficiency Description

Gutters are full of dirt and debris.

Remarks



Typical debris in gutter.



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Location: 2.5 Mi N Of Marion, Ark

Team Lead: Drew Melton **Inspection Date:** April 13, 2020

Inspection Comments

Drawing numbers: 17139,17144,18758, Widened 2673Aw Job 11809
Gutters are full of dirt and debris.

Deck Notes

04/13/2020 lowered deck from 8 to 7 due to being a slab bridge.

Substructure Notes

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