



Latitude:35.58194, Longitude:-90.13333

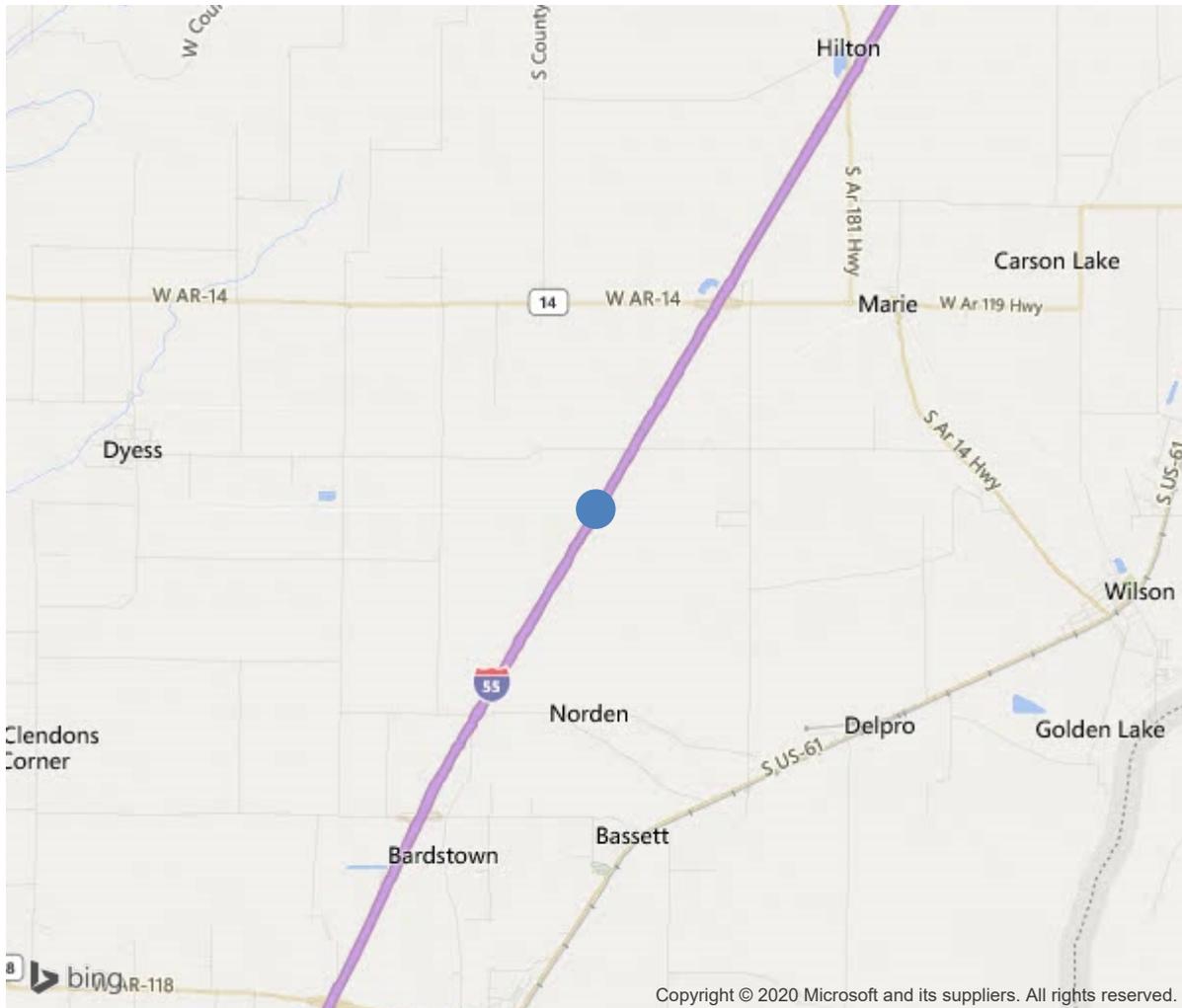
Route:55 Section:12 Log:39.01

Arnold Road ID:47x55x12xA, Arnold Log mile:39.054

District 10, Mississippi County

Owner: 1-State Highway Agency

2.0 MI S JCT SH 14



35.58194, -90.13333



Bridge #B6898(Routine)

I-55-12NB-LM 39.01 over DITCH NO 50

Location: 2.0 MI S JCT SH 14

Team Lead: James Adams Inspection Date: February 12, 2018

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6898
(5) Inventory Route	55
(2) Highway Agency District	10
(3) County Code	93-Mississippi County, Arkansa
(4) Place Code	0
(6) Features Intersected	DITCH NO 50
(7) Facility Carried	I-55-12NB-LM 39.01
(9) Location	2.0 MI S JCT SH 14
(11) Mile Point	39.01 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000055120
(16) Latitude	35.58194
(17) Longitude	-90.13333
(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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	N-Not applicable (applies only to structur
AGE AND SERVICE	
(27) Year Built	2003
(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	10020
(30) Year of ADT	2018
(109) Truck ADT	57 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	183 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43.2 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	30 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41.3 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	5-None present but re-evaluation
(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		R-The right structure of paralle	
(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			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			7
(68) Deck Geometry			7
(69) Clearances, Vertical/Horizontal			N
(71) Waterway Adequacy			9
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			1111
A) Bridge Railings		1-Inspected feature meets currently a	
B) Transitions		1-Inspected feature meets currently a	
C) Approach Guardrail		1-Inspected feature meets currently a	
D) 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			0
(114) Future ADT			12202
(115) Year of Future ADT			2028
INSPECTIONS			
(90) Inspection Date			202002
(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	
SUFFICIENCY RATING			96.2
STATUS (SD/FO/None)			Not Deficient



**Bridge #B6898(Routine)**  
**I-55-12NB-LM 39.01 over DITCH NO 50**

**Location: 2.0 MI S JCT SH 14**

**Team Lead: Cory Shaw, Inspection Date: February 12, 2018**

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7776	6277	1	1498	0
1090	Exposed Rebar	SF	1	0	1	0	0
1130	Cracking (RC and Other)	SF	1498	0	0	1498	0
107	Steel Open Girder/Beam	LF	1080	1080	0	0	0
515	Steel Protective Coating	SF	9164	9164	0	0	0
215	Reinforced Concrete Abutment	LF	140	134	6	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
225	Steel Pile	EA	24	8	16	0	0
1000	Corrosion	EA	16	0	16	0	0
515	Steel Protective Coating	SF	904	904	0	0	0
234	Reinforced Concrete Pier Cap	LF	143	143	0	0	0
302	Compression Joint Seal	LF	98	94	0	4	0
2330	Seal Damage	LF	4	0	0	4	0
310	Elastomeric Bearing	EA	30	30	0	0	0
321	Reinforced Concrete Approach Slab	SF	1752	1435	0	317	0
1090	Exposed Rebar	SF	1	0	0	1	0
1130	Cracking (RC and Other)	SF	316	0	0	316	0
331	Reinforced Concrete Bridge Railing	LF	365	299	0	66	0
1130	Cracking (RC and Other)	LF	66	0	0	66	0



Side view



Deck



Approach Guardrail repair SE corner



Roadway



**Bridge #B6898(Routine)**  
**I-55-12NB-LM 39.01 over DITCH NO 50**

**Location: 2.0 MI S JCT SH 14**

**Team Lead: James Adams Inspection Date: February 12, 2018**

## **Maintenance Needs**



## Inspection Comments

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### Deck Notes

No  
Log Mile Signs.

Approach Roadway  
Railing has been repaired, see 2018 photo.

Concrete Bridge  
Railing has several sealable  
cracks.

Approach Slabs have some minor size and density sealable  
cracks.

North East Approach Slab, right lane, has  
2 – 6in. x 8in. spalls with exposed rebar. Holes have been filled with asphalt  
since last inspection.

Northwest corner of bent 5 compression seal has 4 ft. that is torn.

Top of Deck has minor size and density sealable cracks.

Top of Deck Span 2 at centerline has a 6in. x 6in. spall  
with exposed rebar, roadway marker missing.

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### Superstructure Notes

Weathering steel girders are in good condition. Dirt  
build up on bent 5 bearing 1 from embankment.

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### Substructure Notes

Bents 1 & 5 concrete abutments have cracks with  
efflorescence in back wall portion of abutments.

Bents 2&3 Steel Shell Piles have light rust forming with pitting.  
Concrete encasements are in good condition.

Trees & heavy  
vegetation growing under & against bridge.

Minor drift against  
bent 2 piling.