



Latitude:35.85046, Longitude:-89.94661

Route:55 Section:12 Log:60.3

Arnold Road ID:47x55x12xB, Arnold Log mile:11.914

District 10, Mississippi County

Owner: 1-State Highway Agency



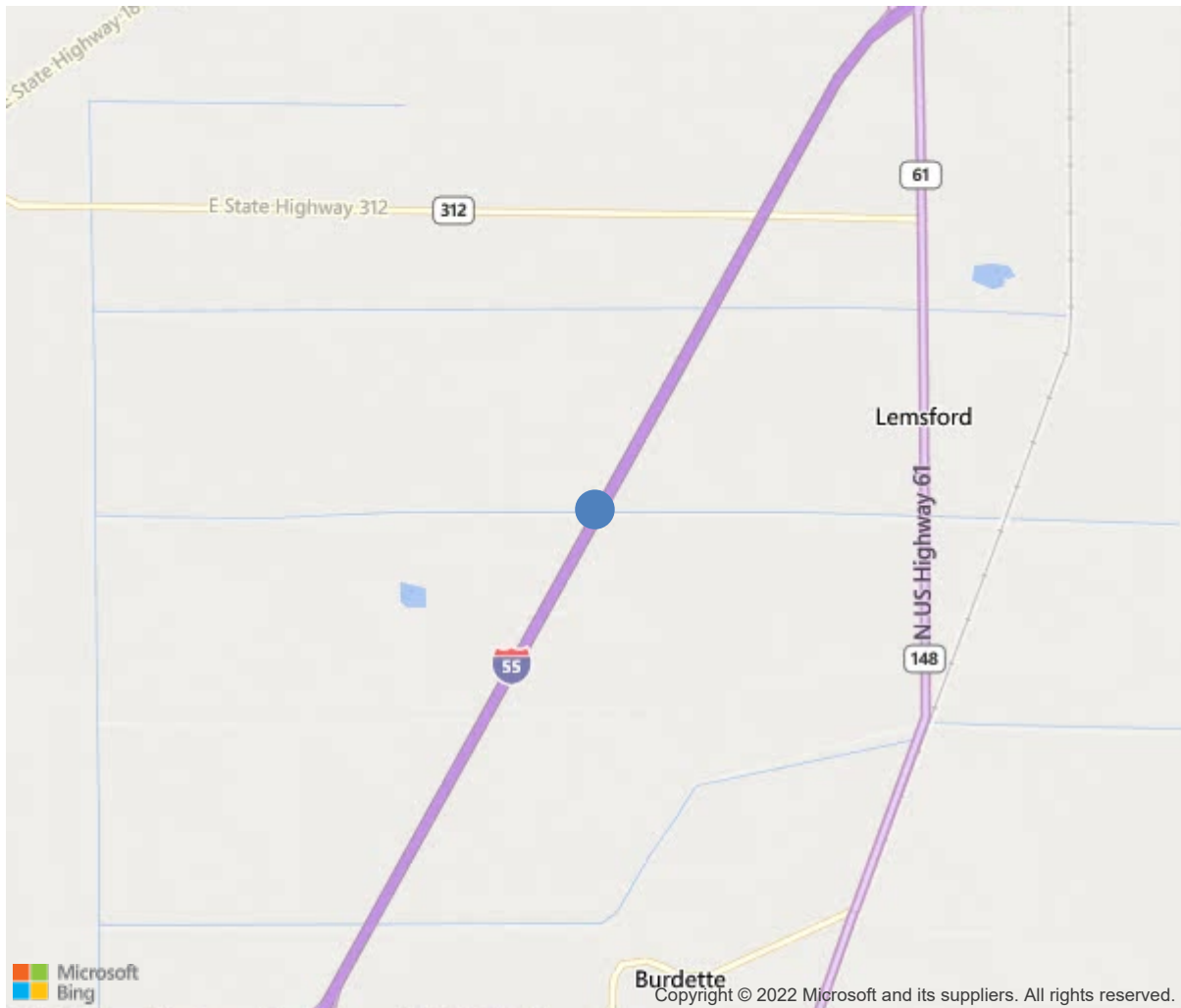
Bridge #A3286(Routine)

I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20

Location: 2.8 MI NO JCT SH 148

Team Lead: Tim Myrick Inspection Date: August 05, 2020

2.8 MI NO JCT SH 148



35.85046, -89.94661



Bridge #A3286(Routine)

I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20

Location: 2.8 MI NO JCT SH 148

Team Lead: Tim Myrick Inspection Date: August 05, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A3286
(5) Inventory Route	55
(2) Highway Agency District	10
(3) County Code	93-Mississippi County, Arkansa
(4) Place Code	0
(6) Features Intersected	DRAINAGE DITCH NO. 20
(7) Facility Carried	I-55 SB-12- 60.29
(9) Location	2.8 MI NO JCT SH 148
(11) Mile Point	60.3 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000055120
(16) Latitude	35.85046
(17) Longitude	-89.94661
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1-Concrete
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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1960
(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	28386
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	90 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	43.5 ft
(32) Approach Roadway Width (W/Shoulders)	44 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 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	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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	6
(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	43
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	26
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	5
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(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	11592
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/2020
(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.			



Bridge #A3286(Routine)

I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20

Location: 2.8 MI NO JCT SH 148

Team Lead: Tim Myrick, Inspection Date: August 05, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3930	0	3394	536	0
1130	Cracking (RC and Other)	SF	536	0	0	536	0
1190	Abrasion/Wear (PSC/RC)	SF	3394	0	3394	0	0
215	Reinforced Concrete Abutment	LF	124	105	0	19	0
1130	Cracking (RC and Other)	LF	3	0	0	3	0
6000	Scour	LF	16	0	0	16	0
227	Reinforced Concrete Pile	EA	17	17	0	0	0
234	Reinforced Concrete Pier Cap	LF	99	91	3	5	0
1080	Delamination/Spall/Patched Area	LF	2	0	0	2	0
1090	Exposed Rebar	LF	3	0	0	3	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
(234)	.						
301	Pourable Joint Seal	LF	184	0	0	184	0
2320	Seal Adhesion	LF	184	0	0	184	0
321	Reinforced Concrete Approach Slab	SF	1896	1736	0	160	0
1080	Delamination/Spall/Patched Area	SF	160	0	0	160	0
331	Reinforced Concrete Bridge Railing	LF	180	180	0	0	0









**Bridge #A3286**(Routine)

**I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20**

**Location: 2.8 MI NO JCT SH 148**

**Team Lead:** Tim Myrick **Inspection Date:** August 05, 2020

## Maintenance Needs

**Date Reported:** 10/04/2012  
**Priority:** C - Important  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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## Deficiency Description

Minor size and density cracks Top of Deck with some map cracking.

## Remarks

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**Bridge #A3286**(Routine)

**I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20**

**Location: 2.8 MI NO JCT SH 148**

**Team Lead:** Tim Myrick **Inspection Date:** August 05, 2020

**Date Reported:** 10/04/2012  
**Priority:** D- Routine  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Substructure

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**Deficiency Description**

Bent 3 cap over pile 4 has a minor size vertical crack as previously reported.

**Remarks**

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**Bridge #A3286**(Routine)

**I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20**

**Location: 2.8 MI NO JCT SH 148**

**Team Lead:** Tim Myrick **Inspection Date:** August 05, 2020

**Date Reported:** 10/04/2012  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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**Deficiency Description**

Bottom of deck has some cracking thru deck especially near center line of all spans.

**Remarks**

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**Bridge #A3286**(Routine)

**I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20**

**Location: 2.8 MI NO JCT SH 148**

**Team Lead:** Tim Myrick **Inspection Date:** August 05, 2020

**Date Reported:** 10/04/2012  
**Priority:** C - Important  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Deck

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**Deficiency Description**

Poured joint material in between slabs and at construction joints in approach slabs is separated, torn, or missing.

**Remarks**

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**Date Reported:** 10/04/2012

**Priority:** D- Routine

**Type of Work:** Repair

**Status:** Monitor

**Component:** Channel

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### Deficiency Description

Abutment Bent 4 has slope erosion from roadway runoff and it is causing some undermining to left side of cap exposing piling(up to 1 ft.) with some undermining on right side of cap, up to 6in. of exposure.

### Remarks

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**Date Reported:** 10/04/2012  
**Priority:** G - General/ Preventive maintenance  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Approach

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**Deficiency Description**

Approach slabs & gutters heavy scaling and/or spalling top of approach slabs & gutters 3 ft.- 4 ft. wide x 1 in.- 2 in. deep typical, retaining water

A few spalled out areas in approach slabs have been patched, some patches are beginning to fail.

**Remarks**

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**Bridge #A3286**(Routine)

**I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20**

**Location: 2.8 MI NO JCT SH 148**

**Team Lead:** Tim Myrick **Inspection Date:** August 05, 2020

**Date Reported:** 10/07/2014  
**Priority:** C - Important  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Substructure

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#### **Deficiency Description**

Span 2 side face of bent 2 cap near center line at key way has a spalled area 2' x 1' with no exposed rebar.

#### **Remarks**

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**Date Reported:** 10/07/2014  
**Priority:** C - Important  
**Type of Work:** Repair  
**Status:** Monitor  
**Component:** Substructure

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**Deficiency Description**

Bent 3 cap span 3 side at left key way has a 3' x 2' x 6" deep spalled area with exposed rebar.

**Remarks**

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**Bridge #A3286**(Routine)

**I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20**

**Location: 2.8 MI NO JCT SH 148**

**Team Lead:** Tim Myrick **Inspection Date:** August 05, 2020

**Date Reported:** 08/03/2018  
**Priority:** C - Important  
**Type of Work:** Repair  
**Status:** Assigned  
**Component:** Channel

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#### **Deficiency Description**

Trees in channel blocking flow.  
Trees growing under & around bridge.  
Minor drift at bent 2.

#### **Remarks**

to Miss Two Crew for removal KAW 2/15/19

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Bridge #A3286(Routine)

I-55 SB-12- 60.29 over DRAINAGE DITCH NO. 20

Location: 2.8 MI NO JCT SH 148

Team Lead: Tim Myrick Inspection Date: August 05, 2020

## Inspection Comments

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### Deck Notes

No log posting signs

Poured joint material at approach slabs settled or missing.

Approach slabs & approach gutters have heavy scaling and spalling 3' - 4' wide x 1" - 2" deep, retaining water.

Approach slabs have spalled & patched areas, some patches are beginning to fail, see photo of bent 4 (North) approach slab.

Poured joint material at all bents is separated or torn, no effectiveness.

Top of deck has moderate cracks with some map cracking & minor abrasion.

Soffit portion of deck has some cracking especially near center line of all spans.

All spans have exposed construction wire on both sides of all spans due to poor coverage.

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### Superstructure Notes

Bottom of slab has some minor cracking.

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### Substructure Notes

Span 2 side face of Cap Bent 2 near center line at key way has a spalled area 2' x 1' x 4" deep with no exposed rebar.

Bent 3 cap over Piles 3&4 has a minor size vertical crack.

Bent 3 cap Span 3 side at left key way has a 3' x 2' x 6" deep spalled area with exposed rebar.

Bent 1 abutment has minor slope erosion at center line of abutment.

Bent 4 abutment has 2 vertical cracks.

Bent 4 abutment has slope erosion from roadway runoff causing some undermining to left side of cap exposing piling (up to 1 ft.) with some undermining on right side of cap, up to 6" of exposure.

Trees in channel blocking flow. Trees growing under & around bridge.

Minor drift at bent 2.