



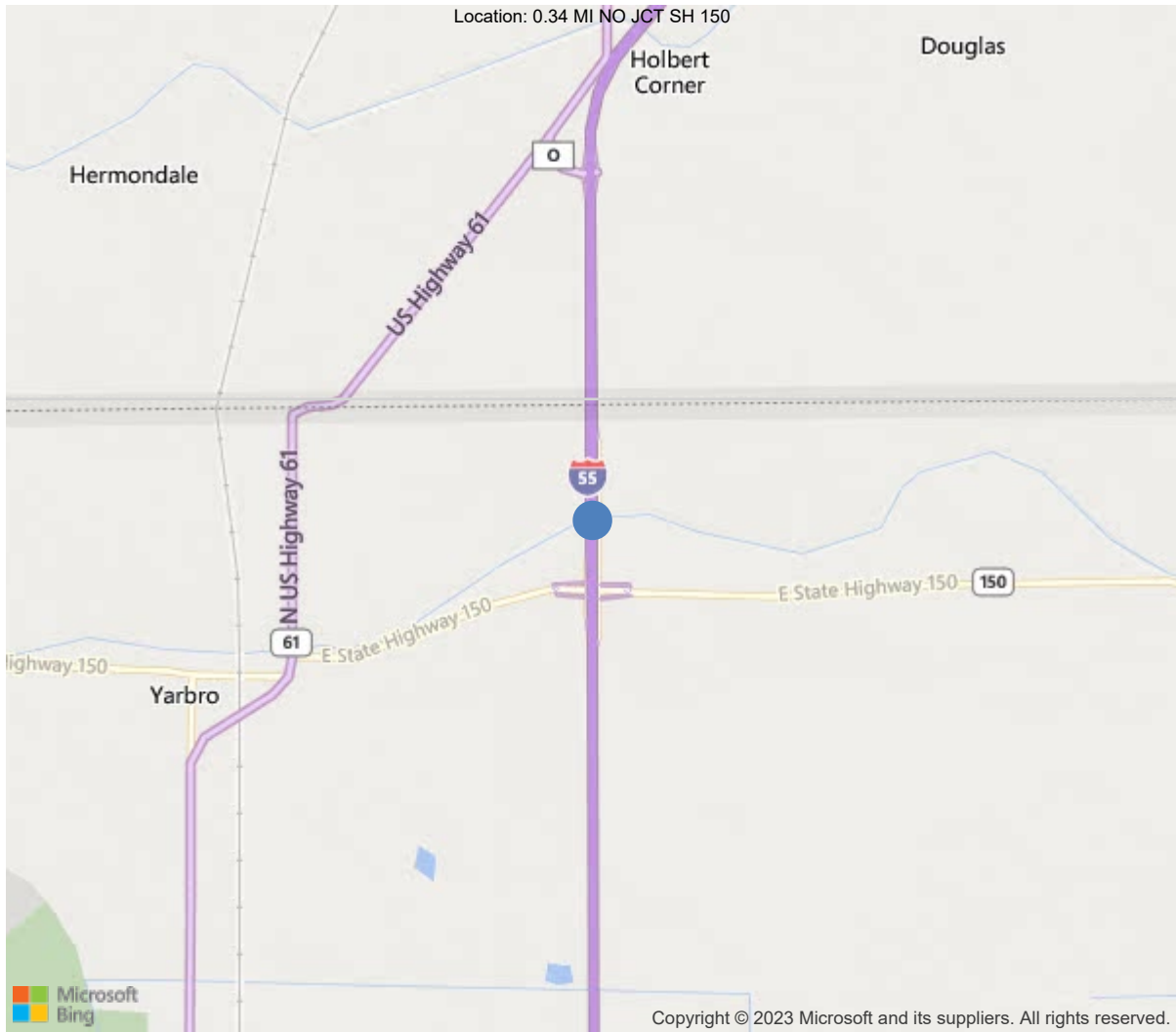
Latitude:35.99138, Longitude:-89.87458

Route:55 Section:12 Log:71.65

Arnold Road ID:47x55x12xA, Arnold Log mile:71.69

District 10, 93 - Mississippi County

Owner: 1 - State Highway Agency



35.99138, -89.87458



Asset #B3169(Routine)

I-55NB-12-LM 71.65 over PEMISCOT BAYOU

Location: 0.34 MI NO JCT SH 150

Team Lead: Richard Jones, Inspection Date: 04/04/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	B3169
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	93 - Mississippi County
(4) Place Code	0
(6) Features Intersected	PEMISCOT BAYOU
(7) Facility Carried	I-55NB-12-LM 71.65
(9) Location	0.34 MI NO JCT SH 150
(11) Mile Point	71.65 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000055120
(16) Latitude	35.99138
(17) Longitude	-89.87458
(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	5
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1963
(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	11500
(30) Year of ADT	2018
(109) Truck ADT	48 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	150 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	43.7 ft
(32) Approach Roadway Width (W/Shoulders)	44 ft
(33) Bridge Median	0 - No median
(34) Skew	15 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 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 w
(111) Pier Protection	5 - None present but re-evalua
(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 -
(100) Defense Highway	1 - The inventory route is on
(101) Parallel Structure	R - The right structure of par
(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 par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	
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 current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	7 - Countermeasures have been insta
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	14250
(115) Year of Future ADT	2034

INSPECTIONS *			
(90) Inspection Date	04/04/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<p>* 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.</p>			





---

**58 - Deck** (7 - GOOD CONDITION - some minor problems.)

Approach slabs, gutters and rails were replaced under Job BB1006 in 2016.

Approach slabs have several unsealed transverse cracks.

Bridge rails have several minor vertical cracks.

Joint seals have loss of adhesion. Seals have a few torn areas. Deck adjacent to seals has a few spalls with rebar exposed.

Top of slab has abrasion throughout with a few areas of map cracks in wheel paths. Slabs have unsealed longitudinal cracks and a few spalled areas with rebar exposed.

---

**59 - Superstructure** (7 - GOOD CONDITION - some minor problems.)

Slab soffit has a few hairline longitudinal cracks.

Soffit has a few small delaminated areas, mostly near drain openings.

---

**60 - Substructure** (7 - GOOD CONDITION - some minor problems.)

Abutments have a few areas beginning to undermine. End spans have minor embankment erosion underneath.

Caps have a few minor cracks. Caps have a few small delaminated areas or spalls near key ways.

Dense vegetation and a few small trees are growing under bridge.

---

**A-46 - Asset Files**

-

---



Asset #B3169(Routine)

I-55NB-12-LM 71.65 over PEMISCOT BAYOU

Location: 0.34 MI NO JCT SH 150

Team Lead: Richard Jones, Inspection Date: 04/04/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6550	3871	2103	576	0
1080	Delamination/Spall/Patched Area	SF	10	0	3	7	0
1090	Exposed Rebar	SF	24	0	0	24	0
1130	Cracking (RC and Other)	SF	480	0	0	480	0
1190	Abrasion/Wear (PSC/RC)	SF	2165	0	2100	65	0
215	Reinforced Concrete Abutment	LF	113	99	14	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
6000	Scour	LF	12	0	12	0	0
227	Reinforced Concrete Pile	EA	32	32	0	0	0
234	Reinforced Concrete Pier Cap	LF	180	165	12	3	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	4	0	1	3	0
1130	Cracking (RC and Other)	LF	10	0	10	0	0
301	Pourable Joint Seal	LF	271	117	0	127	27
2320	Seal Adhesion	LF	97	0	0	97	0
2330	Seal Damage	LF	44	0	0	17	27
2360	Adjacent Deck or Header	LF	13	0	0	13	0
321	Reinforced Concrete Approach Slab	SF	1753	1585	24	144	0
1130	Cracking (RC and Other)	SF	168	0	24	144	0
331	Reinforced Concrete Bridge Railing	LF	300	244	56	0	0
1130	Cracking (RC and Other)	LF	56	0	56	0	0



Asset #B3169(Routine)

I-55NB-12-LM 71.65 over PEMISCOT BAYOU

Location: 0.34 MI NO JCT SH 150

Team Lead: Richard Jones, Inspection Date: 04/04/2022

## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6550	3871	2103	576	0
1080	Delamination/Spall/Patched Area	SF	10	0	3	7	0
1090	Exposed Rebar	SF	24	0	0	24	0
1130	Cracking (RC and Other)	SF	480	0	0	480	0
1190	Abrasion/Wear (PSC/RC)	SF	2165	0	2100	65	0

### 58 - Deck (7 - GOOD CONDITION - some minor problems.)

Comment: Approach slabs, gutters and rails were replaced under Job BB1006 in 2016.

Approach slabs have several unsealed transverse cracks.

Bridge rails have several minor vertical cracks.

Joint seals have loss of adhesion. Seals have a few torn areas. Deck adjacent to seals has a few spalls with rebar exposed.

Top of slab has abrasion throughout with a few areas of map cracks in wheel paths. Slabs have unsealed longitudinal cracks and a few spalled areas with rebar exposed.



Asset #B3169(Routine)

I-55NB-12-LM 71.65 over PEMISCOT BAYOU

Location: 0.34 MI NO JCT SH 150

Team Lead: Richard Jones, Inspection Date: 04/04/2022

## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

**59 - Superstructure** (7 - GOOD CONDITION - some minor problems.)

Comment: Slab soffit has a few hairline longitudinal cracks.

Soffit has a few small delaminated areas, mostly near drain openings.

**Substructure**

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	113	99	14	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
6000	Scour	LF	12	0	12	0	0
227	Reinforced Concrete Pile	EA	32	32	0	0	0
234	Reinforced Concrete Pier Cap	LF	180	165	12	3	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	4	0	1	3	0
1130	Cracking (RC and Other)	LF	10	0	10	0	0

**60 - Substructure** (7 - GOOD CONDITION - some minor problems.)

Comment: Abutments have a few areas beginning to undermine. End spans have minor embankment erosion underneath. Caps have a few minor cracks. Caps have a few small delaminated areas or spalls near key ways. Dense vegetation and a few small trees are growing under bridge.





Asset #B3169(Routine)

I-55NB-12-LM 71.65 over PEMISCOT BAYOU

Location: 0.34 MI NO JCT SH 150

Team Lead: Richard Jones, Inspection Date: 04/04/2022

## Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Span 4 soffit



Side view



**Asset #B3169**(Routine)

**I-55NB-12-LM 71.65 over PEMISCOT BAYOU**

**Location: 0.34 MI NO JCT SH 150**

**Team Lead:** Richard Jones, **Inspection Date:** 04/04/2022

#### **Maintenance Needs**

**Date Reported:** 08/09/2012

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Monitor

**Type of Work:** Repair (General)

**Component:** Deck

---

#### **Deficiency Description**

Joint seals have loss of adhesion. Seals have a few torn areas.

#### **Remarks**

---



**Maintenance Needs**

**Date Reported:** 04/21/2016

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Monitor

**Type of Work:** Repair (General)

**Component:** Channel

---

**Deficiency Description**

Abutments have a few areas beginning to undermine. End spans have minor embankment erosion underneath.

**Remarks**

---





**Asset #B3169**(Routine)

**I-55NB-12-LM 71.65 over PEMISCOT BAYOU**

**Location: 0.34 MI NO JCT SH 150**

**Team Lead:** Richard Jones, **Inspection Date:** 04/04/2022

#### **Maintenance Needs**

**Date Reported:** 08/09/2012

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Monitor

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Component:** Channel

---

#### **Deficiency Description**

Dense vegetation and a few small trees are growing under bridge.

#### **Remarks**

---



**Maintenance Needs**

**Date Reported:** 04/16/2018

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Deck

---

**Deficiency Description**

Slabs have a few spalls with rebar exposed along joints.

**Remarks**

---



Bent 1 joint



**Maintenance Needs**

**Date Reported:** 08/09/2012

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Monitor

**Component:** Deck

---

**Deficiency Description**

Slab at span 4 has spalls in Rt lane with some exposed rebar.

**Remarks**

---



2022 - Span 4



S4







**Asset #B3169**(Routine)

**I-55NB-12-LM 71.65 over PEMISCOT BAYOU**

**Location: 0.34 MI NO JCT SH 150**

**Team Lead:** Richard Jones, **Inspection Date:** 04/04/2022

#### **Maintenance Needs**

**Date Reported:** 04/21/2016

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Monitor

**Type of Work:** (Inactive) (Inactive) 9 - None

**Component:** Substructure

---

#### **Deficiency Description**

Caps have a few minor cracks. Caps have a few small delaminated areas or spalls near key ways.

#### **Remarks**

---



**Asset #B3169**(Routine)

**I-55NB-12-LM 71.65 over PEMISCOT BAYOU**

**Location: 0.34 MI NO JCT SH 150**

**Team Lead:** Richard Jones, **Inspection Date:** 04/04/2022

#### Maintenance Needs

**Date Reported:** 04/14/2022

**Priority:** D- Routine

**Type of Work:** Repair (General)

**Status:** Open

**Component:** Approach

---

#### Deficiency Description

Approach slabs have several unsealed transverse cracks.

#### Remarks

---



Approach slab at end



**Asset #B3169**(Routine)

**I-55NB-12-LM 71.65 over PEMISCOT BAYOU**

**Location: 0.34 MI NO JCT SH 150**

**Team Lead:** Richard Jones, **Inspection Date:** 04/04/2022

## **Routine Maintenance**

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	





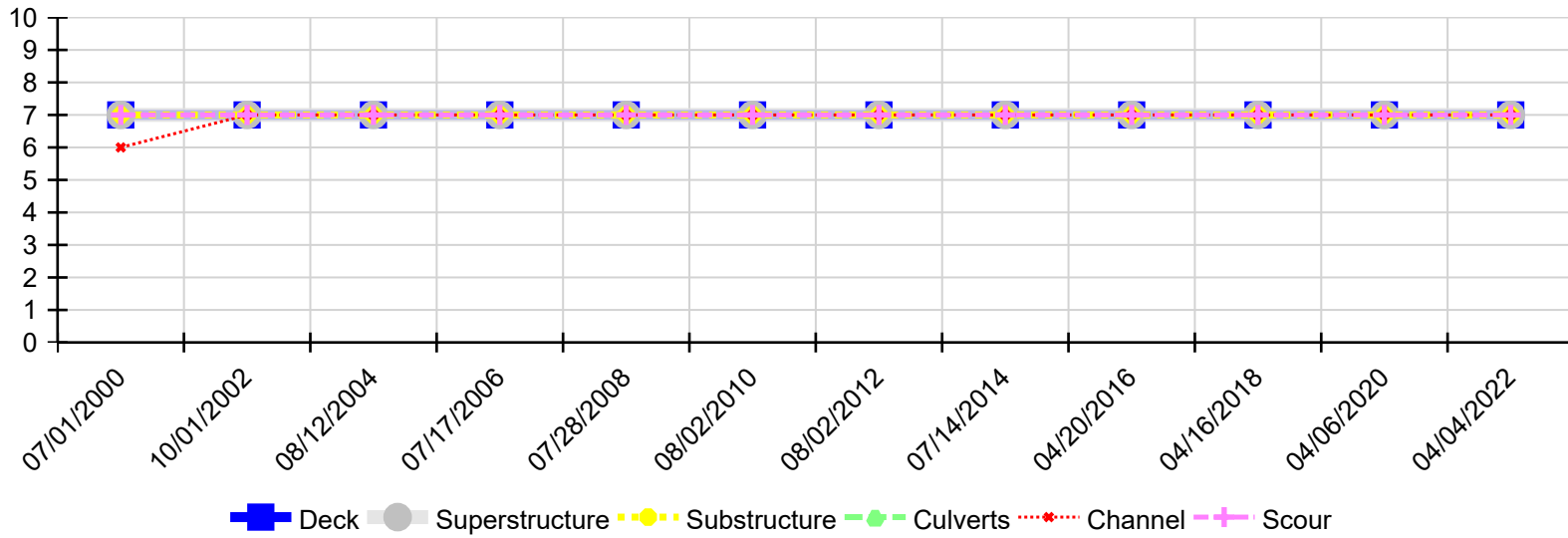
Asset #B3169(Routine)

I-55NB-12-LM 71.65 over PEMISCOT BAYOU

Location: 0.34 MI NO JCT SH 150

Team Lead: Richard Jones, Inspection Date: 04/04/2022

### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/04/2022	7	7	7	N	7	7
04/06/2020	7	7	7	N	7	7
04/16/2018	7	7	7	N	7	7
04/20/2016	7	7	7	N	7	7
07/14/2014	7	7	7	N	7	7
08/02/2012	7	7	7	N	7	7
08/02/2010	7	7	7	N	7	7
07/28/2008	7	7	7	N	7	7
07/17/2006	7	7	7	N	7	7
08/12/2004	7	7	7	N	7	7
10/01/2002	7	7	7	N	7	7
07/01/2000	7	7	7	N	6	7