



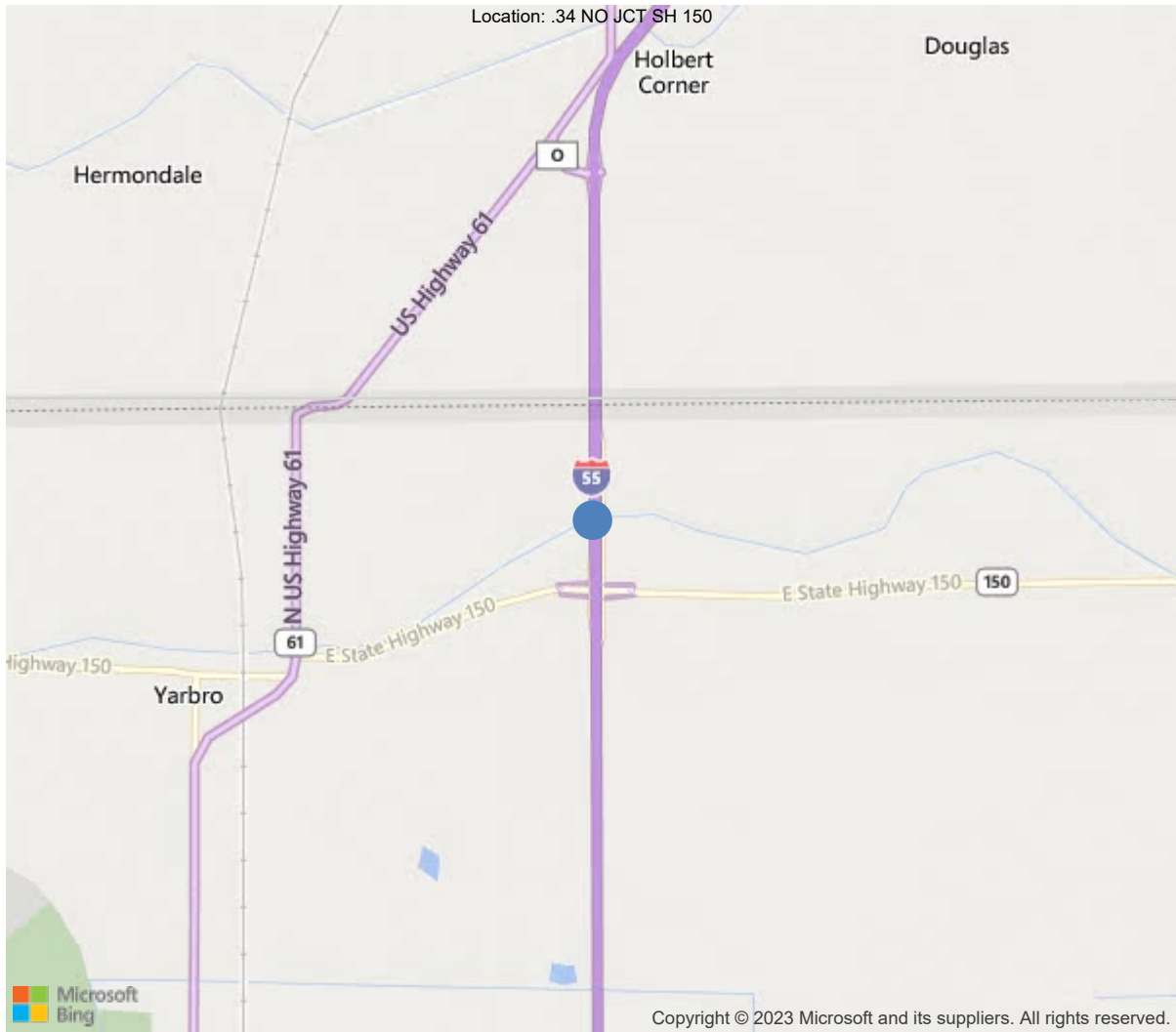
Latitude:35.99132, Longitude:-89.87487

Route:55 Section:12 Log:71.64

Arnold Road ID:47x55x12xB, Arnold Log mile:0.585

District 10, 93 - Mississippi County

Owner: 1 - State Highway Agency



35.99132, -89.87487



Asset #A3169(Routine)

I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 NO JCT SH 150

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A3169
(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-55SB-12-LM 71.64
(9) Location	.34 NO JCT SH 150
(11) Mile Point	71.64 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000055120
(16) Latitude	35.99132
(17) Longitude	-89.87487
(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	L - The left structure of para
(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 approach rails were noted as being replaced under Job BB1006 in 2016 inspection.

Approach slabs have several unsealed cracks.

Concrete rails have several vertical cracks. Span 2 Rt rail has a few chips with 2" areas of exposed rebar (from lack of coverage)

Joint material is losing adhesion and separating with very little effectiveness.

Top of slab has areas of map cracking and abrasion in wheel paths. Slabs have several unsealed cracks. Slabs have a few small spalled or delaminated areas with some rebar exposed.

Span 2 has a 3' x 7' and a 3' x 13' spall with rebar exposed in Lt lane. Spalls have been partially filled with cold mix.

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

Slab soffit at span 1 near bent 1 has a 6' crack with efflorescence.

Slab soffit at span 2 near bent 2 Lt has a 1' of crack with efflorescence.

Slab soffit has a few hairline to minor sized cracks near center line, especially at spans 3 & 5.

Slab soffit at span 3 has a 1' x 2' honeycomb area.

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

Bent 1 abutment is beginning to undermine for 4' up to 2' below and 2' back under.

Caps have a few minor cracks. Caps have a few spalls near key ways.

Bent 6 abutment is undermined for approximately 30' up to 6" below and 2' back under.

Dense vegetation and a few small trees growing under bridge.

A-46 - Asset Files

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Asset #A3169(Routine)

I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 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	3834	2441	275	0
1080	Delamination/Spall/Patched Area	SF	14	0	6	8	0
1090	Exposed Rebar	SF	62	0	0	62	0
1120	Efflorescence/Rust Staining	SF	5	0	5	0	0
1130	Cracking (RC and Other)	SF	470	0	330	140	0
1190	Abrasion/Wear (PSC/RC)	SF	2165	0	2100	65	0
215	Reinforced Concrete Abutment	LF	113	77	2	34	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
6000	Scour	LF	34	0	0	34	0
227	Reinforced Concrete Pile	EA	32	32	0	0	0
234	Reinforced Concrete Pier Cap	LF	180	170	6	4	0
1080	Delamination/Spall/Patched Area	LF	5	0	2	3	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0
301	Pourable Joint Seal	LF	271	0	0	248	23
2320	Seal Adhesion	LF	234	0	0	234	0
2330	Seal Damage	LF	37	0	0	14	23
321	Reinforced Concrete Approach Slab	SF	1753	1471	64	218	0
1080	Delamination/Spall/Patched Area	SF	2	0	0	2	0
1130	Cracking (RC and Other)	SF	280	0	64	216	0
331	Reinforced Concrete Bridge Railing	LF	300	217	81	2	0
1080	Delamination/Spall/Patched Area	LF	2	0	0	2	0
1090	Exposed Rebar	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	76	0	76	0	0



Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	6550	3834	2441	275	0
1080	Delamination/Spall/Patched Area	SF	14	0	6	8	0
1090	Exposed Rebar	SF	62	0	0	62	0
1120	Efflorescence/Rust Staining	SF	5	0	5	0	0
1130	Cracking (RC and Other)	SF	470	0	330	140	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 approach rails were noted as being replaced under Job BB1006 in 2016 inspection. Approach slabs have several unsealed cracks.

Concrete rails have several vertical cracks. Span 2 Rt rail has a few chips with 2" areas of exposed rebar (from lack of coverage)

Joint material is losing adhesion and separating with very little effectiveness.

Top of slab has areas of map cracking and abrasion in wheel paths. Slabs have several unsealed cracks. Slabs have a few small spalled or delaminated areas with some rebar exposed.

Span 2 has a 3' x 7' and a 3' x 13' spall with rebar exposed in Lt lane. Spalls have been partially filled with cold mix.



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Location: .34 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 at span 1 near bent 1 has a 6' crack with efflorescence.

Slab soffit at span 2 near bent 2 Lt has a 1' of crack with efflorescence.

Slab soffit has a few hairline to minor sized cracks near center line, especially at spans 3 & 5.

Slab soffit at span 3 has a 1' x 2' honeycomb area.



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I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 NO JCT SH 150

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

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	113	77	2	34	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
6000	Scour	LF	34	0	0	34	0
227	Reinforced Concrete Pile	EA	32	32	0	0	0
234	Reinforced Concrete Pier Cap	LF	180	170	6	4	0
1080	Delamination/Spall/Patched Area	LF	5	0	2	3	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	3	0	3	0	0

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

Comment: Bent 1 abutment is beginning to undermine for 4' up to 2' below and 2' back under.

Caps have a few minor cracks. Caps have a few spalls near key ways.

Bent 6 abutment is undermined for approximately 30' up to 6" below and 2' back under.

Dense vegetation and a few small trees growing under bridge.



Asset #A3169(Routine)

I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 NO JCT SH 150

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

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4





Maintenance Needs

Date Reported: 08/09/2012

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 spalls near key ways.

Remarks



Span 2 bent 2 cap



Asset #A3169(Routine)

I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 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 growing under bridge.

Remarks

Maintenance Needs

Date Reported: 08/09/2012

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

Status: Monitor

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

Component: Miscellaneous

Deficiency Description

Joint material is losing adhesion and separating with very little effectiveness.

Remarks



Bent 1 joint

Maintenance Needs

Date Reported: 04/21/2016

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Channel

Deficiency Description

Bent 1 abutment is beginning to undermine for 4' up to 2' below and 2' back under.

Bent 6 abutment is undermined for approximately 30' up to 6" below and 2' back under.

Remarks



2022 - Bent 6







B6



Asset #A3169(Routine)

I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 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: Repair (General)

Component: Approach

Deficiency Description

Approach slabs have several unsealed cracks.

Remarks

Maintenance Needs

Date Reported: 04/21/2016

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Deck

Deficiency Description

Span 2 has a 3' x 7' and a 3' x 13' spall with rebar exposed in Lt lane.

Remarks



2022 - Span 2



S2



Asset #A3169(Routine)

I-55SB-12-LM 71.64 over PEMISCOT BAYOU

Location: .34 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	



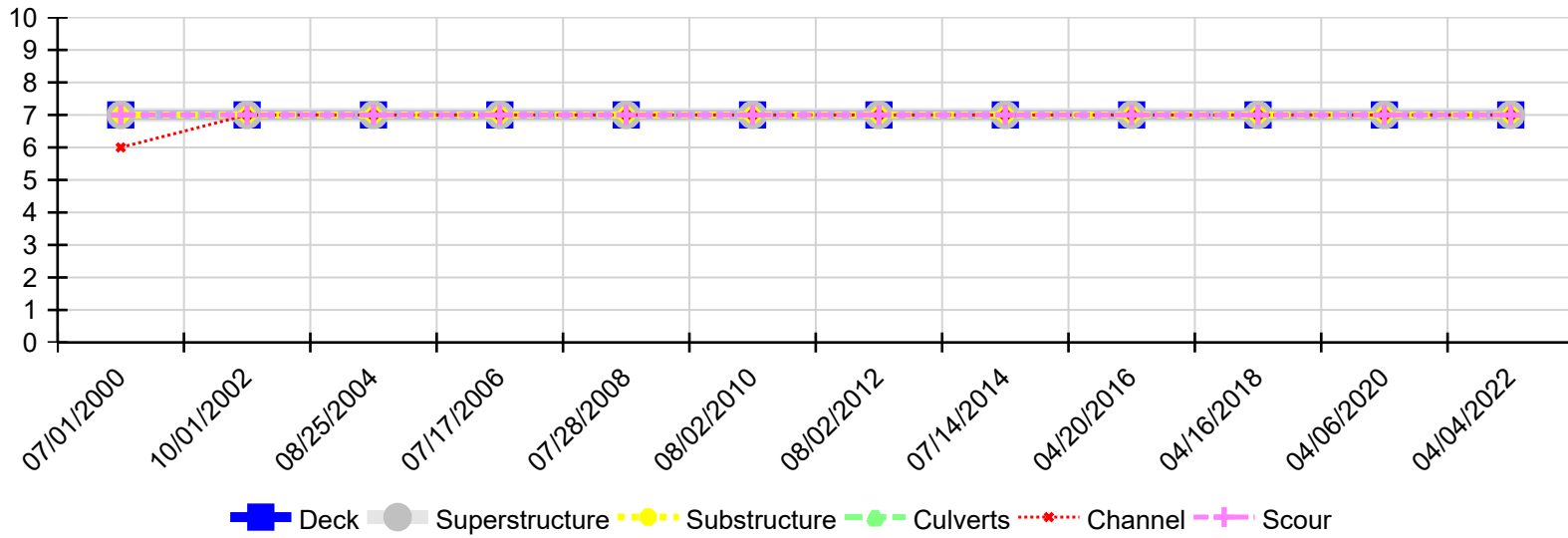
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Location: .34 NO JCT SH 150

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
08/25/2004	7	7	7	N	7	7
10/01/2002	7	7	7	N	7	7
07/01/2000	7	7	7	N	6	7