



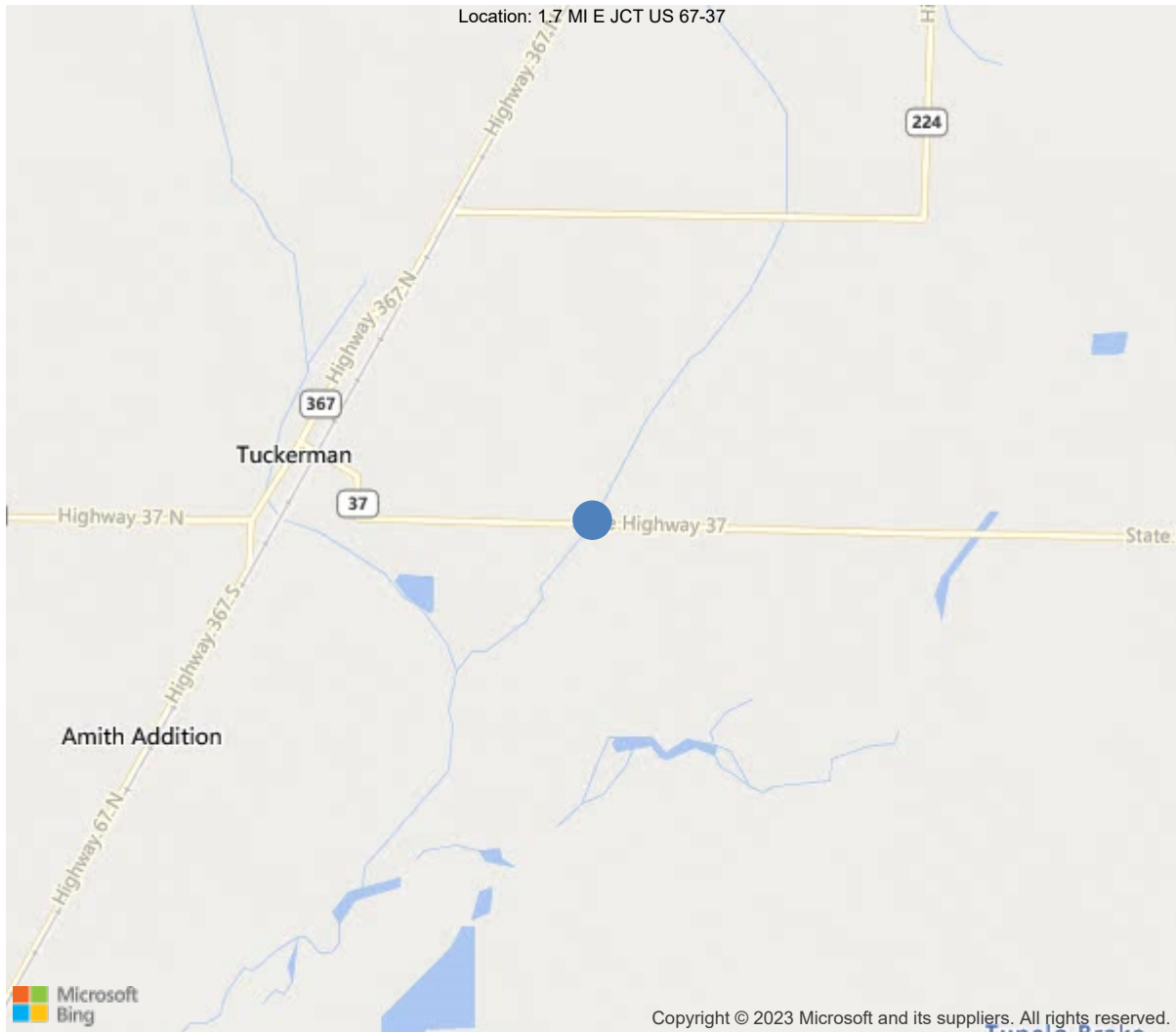
Latitude:35.72631, Longitude:-91.17298

Route:37 Section:04 Log:10.758

Arnold Road ID:34x37x4xA, Arnold Log mile:10.735

District 05, 67 - Jackson County

Owner: 1 - State Highway Agency



35.72631, -91.17298



Asset #M4074(Routine)
SH 37/Jackson Co. over SWAN POND
Location: 1.7 MI E JCT US 67-37

Team Lead: Kerry Little, Inspection Date: 11/15/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M4074
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	67 - Jackson County
(4) Place Code	0
(6) Features Intersected	SWAN POND
(7) Facility Carried	SH 37/Jackson Co.
(9) Location	1.7 MI E JCT US 67-37
(11) Mile Point	10.758 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.72631
(17) Longitude	-91.17298
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(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	1980
(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	753
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	45 ft
(49) Structure Length	45 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	27.2 ft
(52) Deck Width Out to Out	29.2 ft
(32) Approach Roadway Width (W/Shoulders)	22 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	28.5 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	1 - Navigation protection not
(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	0
(26) Functional Class	7 - Rural Major Collector
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(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	2 - M 13.5 / H 15
(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	6
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined t
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	685
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	11/15/2021		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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.			



Asset #M4074(Routine)

District: 05, County: 67 - Jackson County

Team Lead: Kerry Little, Inspection Date: 11/15/2021

General Observation (False)

Log Mile running to the West.

Underwater Type 2 has been dropped.

11/21/2017 - Abutment & deck element updated & Channel Profile done this inspection. KBL

A-46 - Asset Files

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Team Lead: Kerry Little, Inspection Date: 11/15/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1224	1224	0	0	0
510	Wearing Surfaces	SF	1224	1154	60	10	0
3220	Crack (Wearing Surface)	SF	70	0	60	10	0
(16) Minor cracking to asphalt overlay.							
110	Reinforced Concrete Open Girder/Beam	LF	405	382	17	6	0
1080	Delamination/Spall/Patched Area	LF	6	0	3	3	0
1090	Exposed Rebar	LF	14	0	14	0	0
1120	Efflorescence/Rust Staining	LF	3	0	0	3	0
(110) Unit 1 - Spall with rebar exposed no s/l to girder. Unit 2 - Spall to girder. Unit 4 - Spall to girder. Unit 6 - Delam. to diaph. near mid span. Unit 8 - Minor delaminated areas to girder Unit 9 - Minor spalls with rebar exposed no s/l to Girder.							
215	Reinforced Concrete Abutment	LF	115	115	0	0	0
(215) Minor cracks and spalls.							
330	Metal Bridge Railing	LF	90	0	90	0	0
1000	Corrosion	LF	90	0	90	0	0
515	Steel Protective Coating	SF	270	0	135	0	135
3440	Effectiveness (Steel Protective Coatings)	LF	270	0	135	0	135
(330) Left end posts are spalled at the bottom of Abutments 1 @ 2. Post @ Abutment 2 is leaning.							

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1224	1224	0	0	0
510	Wearing Surfaces	SF	1224	1154	60	10	0
3220	Crack (Wearing Surface)	SF	70	0	60	10	0
(16) Minor cracking to asphalt overlay.							

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	405	382	17	6	0
1080	Delamination/Spall/Patched Area	LF	6	0	3	3	0
1090	Exposed Rebar	LF	14	0	14	0	0
1120	Efflorescence/Rust Staining	LF	3	0	0	3	0
(110) Unit 1 - Spall with rebar exposed no s/l to girder. Unit 2 - Spall to girder. Unit 4 - Spall to girder. Unit 6 - Delam. to diaph. near mid span. Unit 8 - Minor delaminated areas to girder Unit 9 - Minor spalls with rebar exposed no s/l to Girder.							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	115	115	0	0	0
	(215) Minor cracks and spalls.						



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SH 37/Jackson Co. over SWAN POND

Location: 1.7 MI E JCT US 67-37

Team Lead: Kerry Little, Inspection Date: 11/15/2021

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation with log mile going right.



Roadway with log mile looking west.



Overall deck.



Overall soffit.



Spall with rebar exposed to unit 1, 2 , & 8.



Delam to diaphragm @ unit 6.



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SH 37/Jackson Co. over SWAN POND

Location: 1.7 MI E JCT US 67-37

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Maintenance Needs



Asset #M4074(Routine)

SH 37/Jackson Co. over SWAN POND

Location: 1.7 MI E JCT US 67-37

Team Lead: Kerry Little, Inspection Date: 11/15/2021

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	



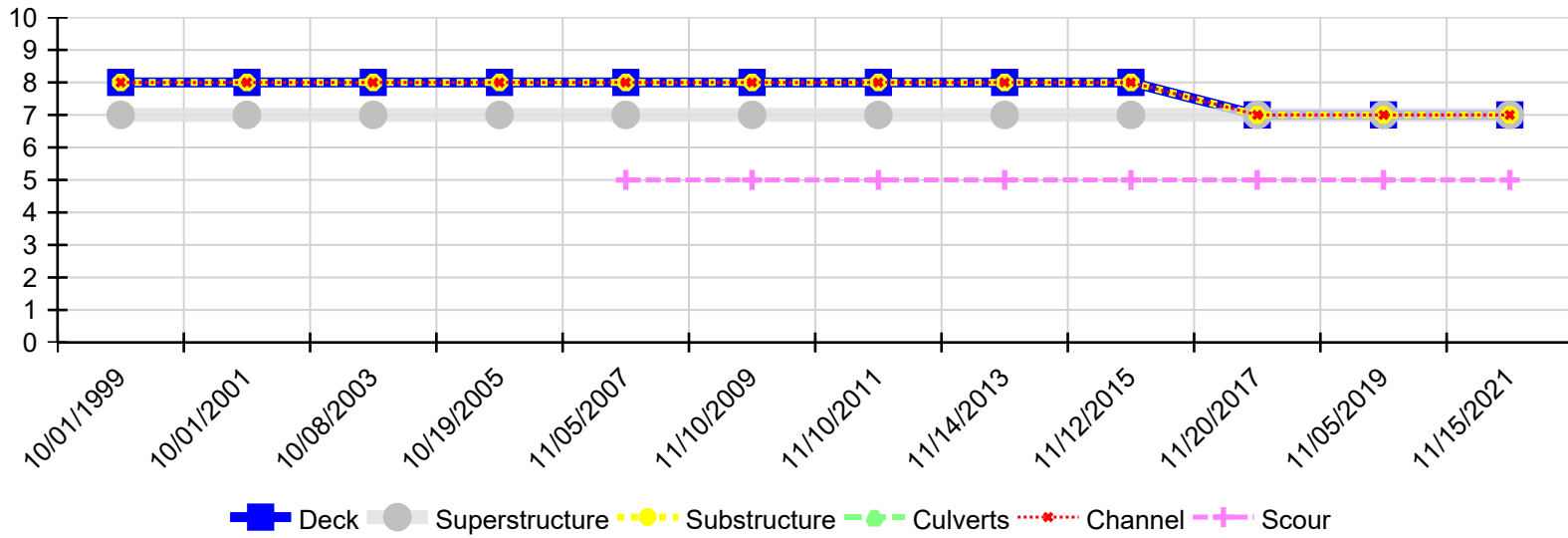
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SH 37/Jackson Co. over SWAN POND

Location: 1.7 MI E JCT US 67-37

Team Lead: Kerry Little, Inspection Date: 11/15/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/15/2021	7	7	7	N	7	5
11/05/2019	7	7	7	N	7	5
11/20/2017	7	7	7	N	7	5
11/12/2015	8	7	8	N	8	5
11/14/2013	8	7	8	N	8	5
11/10/2011	8	7	8	N	8	5
11/10/2009	8	7	8	N	8	5
11/05/2007	8	7	8	N	8	5
10/19/2005	8	7	8	N	8	N
10/08/2003	8	7	8	N	8	N
10/01/2001	8	7	8	N	8	N
10/01/1999	8	7	8	N	8	N