



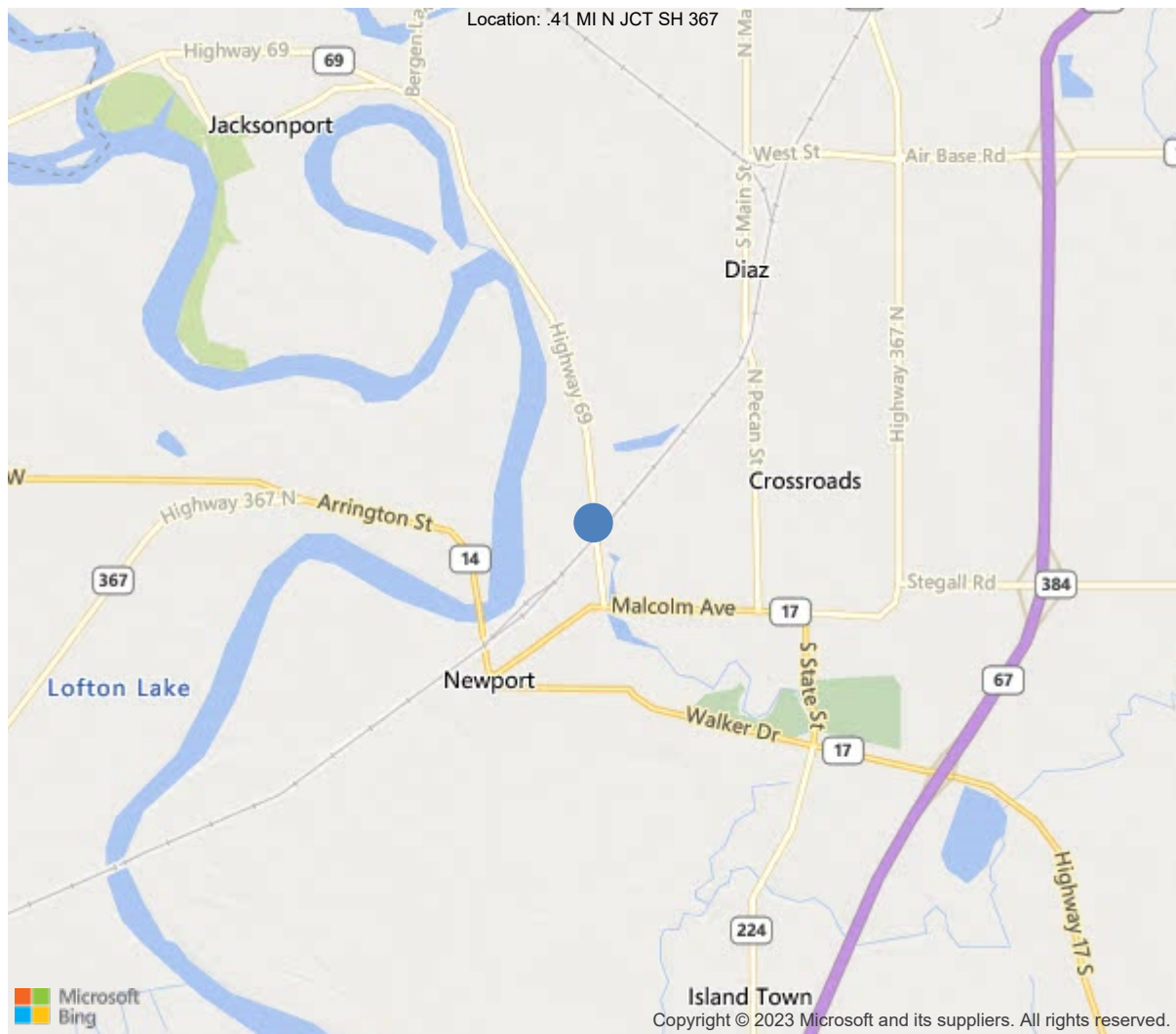
Latitude:35.61228, Longitude:-91.27858

Route:69 Section:05 Log:4.19

Arnold Road ID:34x69x5xA, Arnold Log mile:4.057

District 05, 67 - Jackson County

Owner: 1 - State Highway Agency



35.61228, -91.27858



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05502
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	67 - Jackson County
(4) Place Code	49010
(6) Features Intersected	VAN ASCHE ST., RR
(7) Facility Carried	SH 69/Jackson Co.
(9) Location	.41 MI N JCT SH 367
(11) Mile Point	4.19 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000069050
(16) Latitude	35.61228
(17) Longitude	-91.27858
(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	32
Material	3 - Steel
Type	2 - Stringer/Multi-beam or girder
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	5
(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	1974
(106) Year Reconstructed	0
(42) Type of Service	14
On	1 - Highway
Under	4 - Highway-railroad
(28) Lane	
On	2
Under	2
(29) Average Daily Traffic	3200
(30) Year of ADT	2018
(109) Truck ADT	14 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	130 ft
(49) Structure Length	733 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	24 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	29.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	22.42 ft
Ref:	
(55) Min Lat Underclear RT	29.6 ft
Ref:	
(56) Min Lat Underclear LT	30 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(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	16 - Urban Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(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 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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(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	
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	4
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(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	N - Bridge not over waterway.
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	3750
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	05/11/2022		
(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>			



Asset #05502(Routine)

District: 05, County: 67 - Jackson County

Team Lead: Kerry Little, Inspection Date: 05/11/2022

General Observation

Elevation with Log Mile running to the Right.

Job Number: 5632

See attached Form-III for detailed locations and descriptions of deficiencies.

A-46 - Asset Files

-

A-51 - Inspection Direction (1 - N to S)

Roadway with Log Mile running North to South.



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	24042	20591	2811	640	0
1080	Delamination/Spall/Patched Area	SF	2378	0	2350	28	0
1090	Exposed Rebar	SF	17	0	3	14	0
1120	Efflorescence/Rust Staining	SF	226	0	218	8	0
1130	Cracking (RC and Other)	SF	830	0	240	590	0
(12) See attached Form-III for detailed locations and descriptions of deficiencies.							
107	Steel Open Girder/Beam	LF	2920	2085	805	30	0
1000	Corrosion	LF	830	0	800	30	0
1020	Connection	LF	5	0	5	0	0
515	Steel Protective Coating	SF	31976	31176	0	600	200
3440	Effectiveness (Steel Protective Coatings)	LF	800	0	0	600	200
(107) See attached Form-III for detailed locations and descriptions of deficiencies.							
205	Reinforced Concrete Column	EA	7	5	2	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
1120	Efflorescence/Rust Staining	EA	1	0	1	0	0
(205) See attached Form-III for detailed locations and descriptions of deficiencies.							
215	Reinforced Concrete Abutment	LF	83	74	9	0	0
1120	Efflorescence/Rust Staining	LF	9	0	9	0	0
(215) See attached Form-III for detailed locations and descriptions of deficiencies.							
234	Reinforced Concrete Pier Cap	LF	196	128	42	26	0
1080	Delamination/Spall/Patched Area	LF	43	0	33	10	0
1090	Exposed Rebar	LF	16	0	0	16	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(234) See attached Form-III for detailed locations and descriptions of deficiencies.							
302	Compression Joint Seal	LF	230	48	8	108	66
2310	Leakage	LF	108	0	0	42	66
2340	Seal Cracking	LF	74	0	8	66	0
(302) See attached Form-III for detailed locations and descriptions of deficiencies.							
311	Movable Bearing	EA	28	0	11	17	0

Asset #05502(Routine)
SH 69/Jackson Co. over VAN ASCHE ST., RR

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	7	5	2	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
1120	Efflorescence/Rust Staining	EA	1	0	1	0	0
(205) See attached Form-III for detailed locations and descriptions of deficiencies.							
215	Reinforced Concrete Abutment	LF	83	74	9	0	0
1120	Efflorescence/Rust Staining	LF	9	0	9	0	0
(215) See attached Form-III for detailed locations and descriptions of deficiencies.							
234	Reinforced Concrete Pier Cap	LF	196	128	42	26	0
1080	Delamination/Spall/Patched Area	LF	43	0	33	10	0
1090	Exposed Rebar	LF	16	0	0	16	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(234) See attached Form-III for detailed locations and descriptions of deficiencies.							



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation with log mile going Left.



Roadway with log mile looking south.



Overall deck @ span 2.



Overall deck @ span 8.



Overall soffit @ span 6.



Spalls with no rebar exposed @ span 8.



Few minor delays to rt overhang @ span 1.



Spall to soffit between girders 2 & 3 @ span 6.



Typical efflor cracks to Lt & Rt overhangs.



Efflor map cracking to rt overhang @ span 2.



Typical efflor cracks to soffit @ all spans.



Typical cracks to deck @ all spans.



Typical cracks to deck @ all spans.



Corrosion to ends of girders @ all spans.



Typical Freckled to bottom flanges @ all girders.



Efflor crack to column @ backside of bent 1.



Efflor cracks to back wall @ abutment 1.



Spall with rebar exposed bottom rt side of cap @ bent 1.



Large spalls to backside of cap @ bent 1.



Spalls with rebar exposed to backside of cap @ bent 2.



Spall to backside of cap with rebar exposed @ bent 4.



Vertical efflorescent cracking to ahead side of cap @ Bent 5.



Horizontal crack to right side of cap @ bent 1.



10' of compression joint seal missing @ bent 1.



Typical rust with section loss to bearings @ all bents



Missing bolt @ Moveable Bearing 3 @ Bent 6.



Moveable bearings have rotated back @ bent 1.

Maintenance Needs

Date Reported: 05/29/2018
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Spans 1, 2, 6 & 8 has spalls to deck with no rebar exposed.

Remarks



Span 8 - 10 ' of Spalls exposed to deck with no rebar exposed.



Spans 1, 2, 6 & 8 has spalls to deck with no rebar exposed.
Span 2, Lt side.



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Date Reported: 05/29/2018
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Assigned
Component: Deck

Deficiency Description

Bent 2 - Road iron on back side of joint is broke and pulled out of place at center line.
Repaired.

Remarks



Road iron on back side of joint at Bent 2 broke and pulled out of place at center line.



Bent road iron has been removed. (Remove maintenance need)



Bent 2 - Road iron on back side of joint is broke
and pulled out of place at
center line.
Repaired.



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Date Reported: 05/31/2016

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Collision damage to Left Approach guardrail @ Abutment 1.

Remarks



Collision damage to Left Approach guardrail @
Abutment 1.



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Date Reported: 05/26/2016

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Bents 1 - 7

Spalls with rebar exposed and delaminated areas to caps.

Remarks



Spalls with rebar exposed to ahead side of Cap @ Bent 1.



Deep spall with rebar exposed to top of Cap @ Bent 2. Right side.



Bents 1 - 7

**Spalls with rebar exposed and delaminated areas
to caps.**

Backside of bent 1.



Bents 1 - 7

**Spalls with rebar exposed and delaminated areas
to caps.**

Rt side bide bent 2.

Date Reported: 05/31/2016

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Approach roadways have minor settlement @ Abutments 1 and 2.

Remarks



Minor Approach roadway settlement @ Abutment 2.



Approach roadways have minor settlement @ Abutments 1 and 2.
Abutment 2.

Date Reported: 05/31/2016
Priority: C - Important
Type of Work: Repair (General)
Status: Open
Component: Bridge

Deficiency Description

Spans 1 - 8
Spalls and delaminated areas to deck.

Joint seals are cracked, deteriorated, and leak. Joints have failed at Bents 1, 5 and 6.

Remarks



Pourable joint seal @ Bent 5.



Spalls & delaminated areas to deck @ Span 1.



Spalls & delaminated areas to deck @ Span 6 Left lane.



Compression joint seal is missing @ Bent 1.



Spans 1 - 8
Spalls and delaminated areas to deck.



Joint seals are cracked, deteriorated, and leak.
Joints have failed at Bents 1, 5 and 6.
Bent 1.



Joint seals are cracked, deteriorated, and leak.
Joints have failed at Bents 1, 5 and 6.
Bent 5.



Spans 1 - 8
Spalls and delaminated areas to deck.
Span 8.



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Date Reported: 05/26/2016

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

All bearings
Rust and corrosion to all bearings

Remarks



Bearing condition @ Bent 1.



Bearing 3 over Bent 5.



All bearings
Rust and corrosion to all bearings



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Date Reported: 05/26/2016

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 0 - N/A

Status: Monitor

Component:

Deficiency Description

Spans 3, 4
Few loose bolts at diaphragm connections and / or diagonal braces.

Span 6,
4th diaphragm connection between girders 1 & 2 has missing bolt.

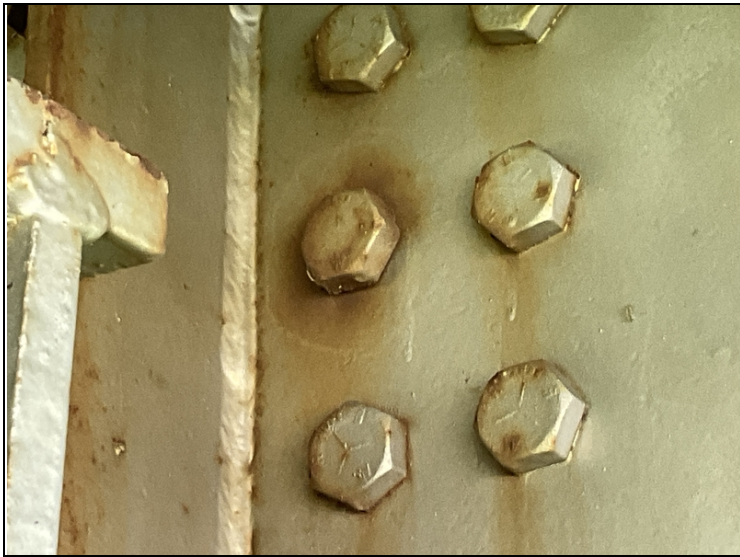
Remarks



Loose bolts @ Diaphragm connection @ Girder 2
@ BOS 3.



Loose bolts @ 3rd diaphragm connection between
Girders 1 & 2 @ Span 6.



Spans 3, 4, and 6
Few loose bolts at diaphragm connections and / or
diagonal braces.
Span 3 between girders 3 & 4.



Span 6,
4th diaphragm connection between girders 1 & 2
has missing bolt.



Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

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	



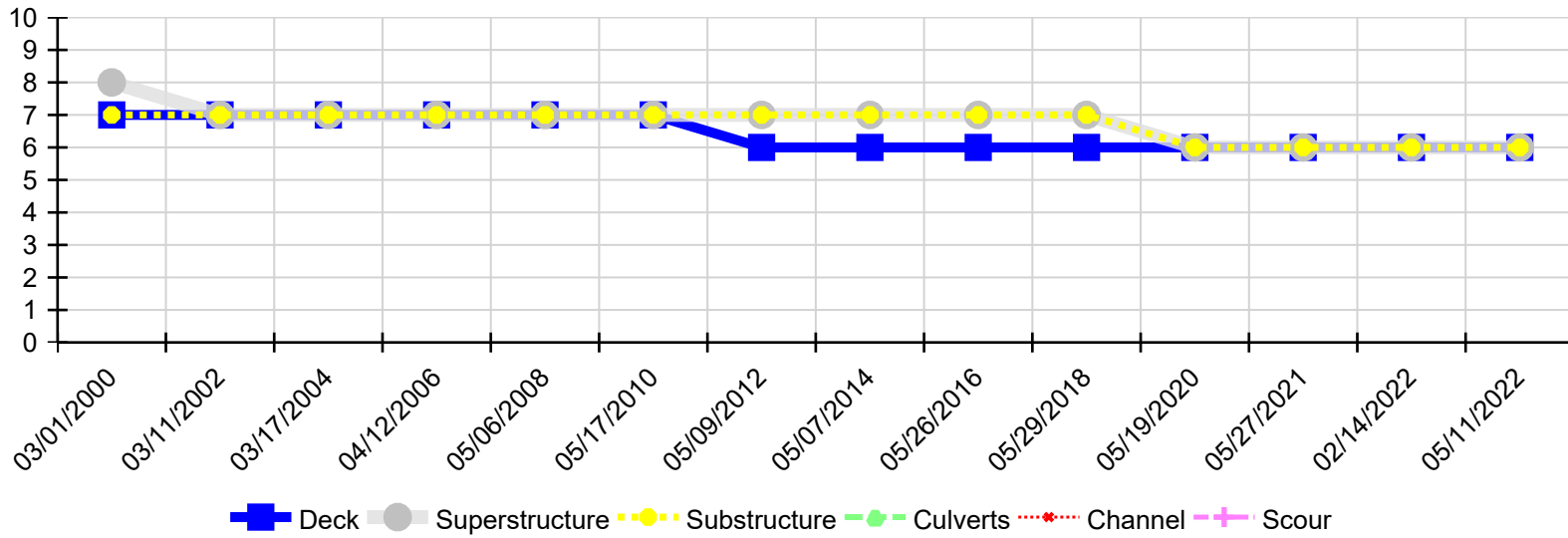
Asset #05502(Routine)

SH 69/Jackson Co. over VAN ASCHE ST., RR

Location: .41 MI N JCT SH 367

Team Lead: Kerry Little, Inspection Date: 05/11/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/11/2022	6	6	6	N	N	N
02/14/2022	6	6	6	N	N	N
05/27/2021	6	6	6	N	N	N
05/19/2020	6	6	6	N	N	N
05/29/2018	6	7	7	N	N	N
05/26/2016	6	7	7	N	N	N
05/07/2014	6	7	7	N	N	N
05/09/2012	6	7	7	N	N	N
05/17/2010	7	7	7	N	N	N
05/06/2008	7	7	7	N	N	N
04/12/2006	7	7	7	N	N	N
03/17/2004	7	7	7	N	N	N
03/11/2002	7	7	7	N	N	N
03/01/2000	7	8	7	N	N	N