



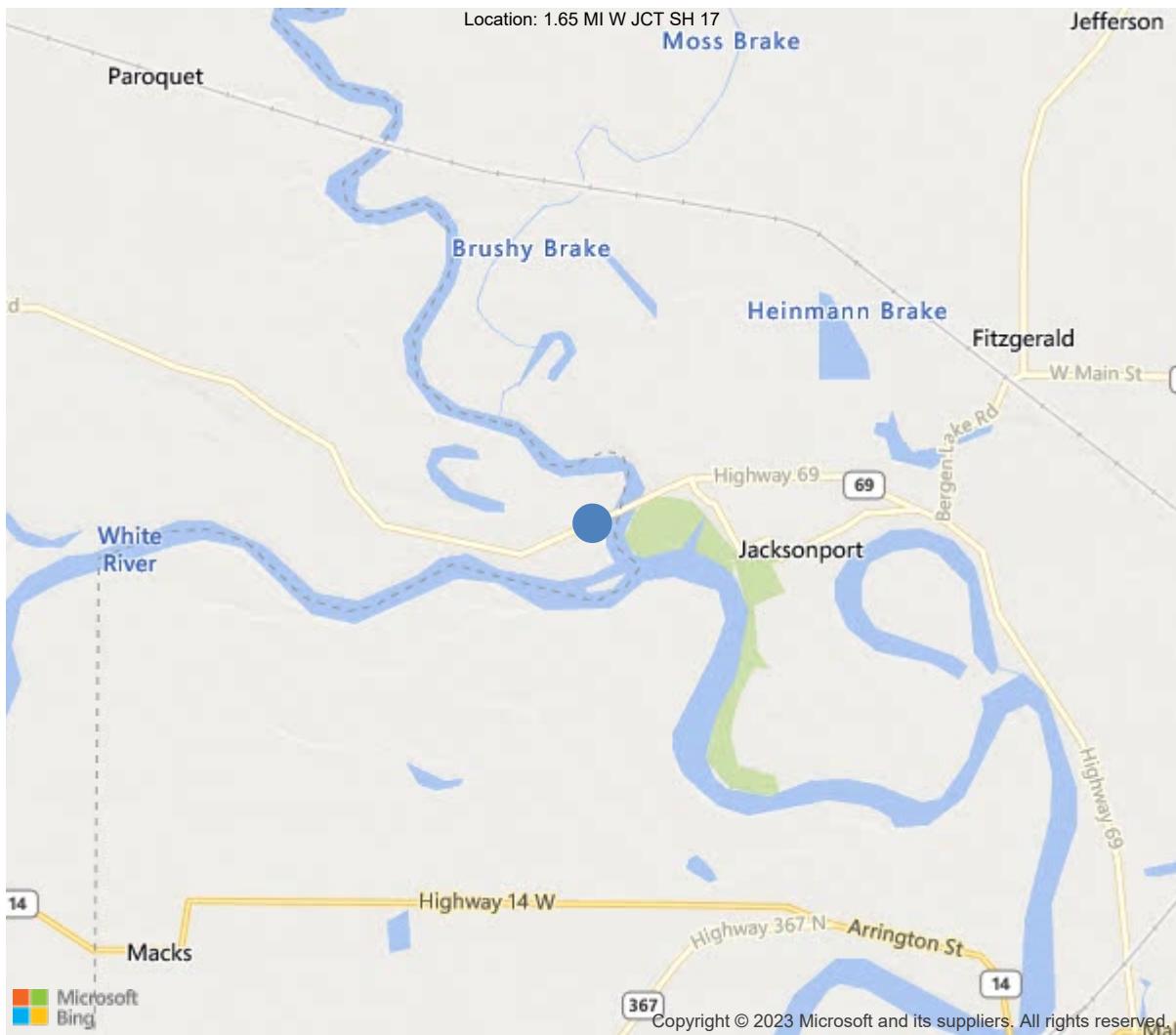
Latitude:35.64251, Longitude:-91.32530

Route:69 Section:05 Log:0

Arnold Road ID:32x69x4xA, Arnold Log mile:8.319

District 05, 67 - Jackson County

Owner: 1 - State Highway Agency



35.64251, -91.32530



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, Inspection Date: 09/12/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05899
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	67 - Jackson County
(4) Place Code	0
(6) Features Intersected	BLACK RIVER
(7) Facility Carried	SH 69/Jackson Co.
(9) Location	1.65 MI W JCT SH 17
(11) Mile Point	0 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000069050
(16) Latitude	35.64251
(17) Longitude	-91.3253
(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	42
Material	4 - Steel continuous
Type	2 - Stringer/Multi-beam or girder
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	22
(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	1984
(106) Year Reconstructed	0
(42) Type of Service	16
On	1 - Highway
Under	6 - Highway-waterway
(28) Lane	
On	2
Under	1
(29) Average Daily Traffic	3600
(30) Year of ADT	2018
(109) Truck ADT	18 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	291 ft
(49) Structure Length	2218 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	32.9 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	31.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	15.5 ft
Ref:	
(55) Min Lat Underclear RT	8 ft
Ref:	
(56) Min Lat Underclear LT	38 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	6 - Rural Minor Arterial
(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	6
(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	55
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	33
(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	5
(71) Waterway Adequacy	8
(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	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	2974
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/12/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	Yes	60	08/09/2022
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 #05899(Routine)

District: 05, County: 67 - Jackson County

Team Lead: Kerry Little, Inspection Date: 09/12/2022

General Observation

Elevation with Log Mile running to the Right.

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

*Special Inspection for Rip Rap repair along East embankment and for under clearance.

A-46 - Asset Files

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A-51 - Inspection Direction (4 - W to E)

Roadway with Log Mile running West to East.



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, Inspection Date: 09/12/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	72751	66839	2069	3843	0
1080	Delamination/Spall/Patched Area	SF	12	0	2	10	0
1120	Efflorescence/Rust Staining	SF	600	0	567	33	0
1130	Cracking (RC and Other)	SF	5300	0	1500	3800	0
(12) See attached Form III for detailed descriptions and locations of deficiencies. See attached Form III for detailed descriptions and locations of deficiencies.							
107	Steel Open Girder/Beam	LF	8864	3435	5341	87	1
1000	Corrosion	LF	5406	0	5318	87	1
1020	Connection	LF	2	0	2	0	0
1900	Distortion	LF	21	0	21	0	0
515	Steel Protective Coating	SF	116698	0	10	116688	0
3410	Chalking (Steel Protective Coatings)	LF	116643	0	0	116643	0
3420	Peeling/Bubbling/Cracking	LF	55	0	10	45	0
(107) See attached Form III for detailed descriptions and locations of deficiencies. Beginning 12" x 35" Mid 11.5" x 32.25" End 10.5" x 29" 20" X 110" See attached Form III for detailed descriptions and locations of deficiencies.							
205	Reinforced Concrete Column	EA	44	37	6	1	0
1090	Exposed Rebar	EA	2	0	1	1	0
1130	Cracking (RC and Other)	EA	4	0	4	0	0
6000	Scour	EA	1	0	1	0	0
(205) See attached Form III for detailed descriptions and locations of deficiencies.							
215	Reinforced Concrete Abutment	LF	80	80	0	0	0
234	Reinforced Concrete Pier Cap	LF	728	654	73	1	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
1120	Efflorescence/Rust Staining	LF	24	0	23	1	0
1130	Cracking (RC and Other)	LF	43	0	43	0	0
(234) See attached Form III for detailed descriptions and locations of deficiencies. See attached Form III for detailed descriptions and locations of deficiencies.							
301	Pourable Joint Seal	LF	60	60	0	0	0
302	Compression Joint Seal	LF	90	90	0	0	0

Team Lead: Kerry Little, **Inspection Date:** 09/12/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(302) See attached Form III for detailed descriptions and locations of deficiencies.							
305	Assembly Joint without Seal	LF	60	60	0	0	0
310	Elastomeric Bearing	EA	124	65	46	13	0
1000	Corrosion	EA	15	0	2	13	0
2230	Bulging, Splitting or Tearing	EA	44	0	44	0	0
515	Steel Protective Coating	SF	248	218	0	4	26
3440	Effectiveness (Steel Protective Coatings)	EA	30	0	0	4	26
(310) See attached Form III for detailed descriptions and locations of deficiencies. See attached Form III for detailed descriptions and locations of deficiencies.							
313	Fixed Bearing	EA	8	8	0	0	0
515	Steel Protective Coating	SF	80	80	0	0	0
(313) See attached Form III for detailed descriptions and locations of deficiencies.							
331	Reinforced Concrete Bridge Railing	LF	4432	2932	1500	0	0
1080	Delamination/Spall/Patched Area	LF	5	0	5	0	0
1090	Exposed Rebar	LF	440	0	440	0	0
1130	Cracking (RC and Other)	LF	1055	0	1055	0	0
(331) Minor vertical cracks to parapets. See attached Form III for detailed descriptions and locations of deficiencies. Minor vertical cracks to parapets. See attached Form III for detailed descriptions and locations of deficiencies.							

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	72751	66839	2069	3843	0
1080	Delamination/Spall/Patched Area	SF	12	0	2	10	0
1120	Efflorescence/Rust Staining	SF	600	0	567	33	0
1130	Cracking (RC and Other)	SF	5300	0	1500	3800	0
(12) See attached Form III for detailed descriptions and locations of deficiencies. See attached Form III for detailed descriptions and locations of deficiencies.							

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	8864	3435	5341	87	1
1000	Corrosion	LF	5406	0	5318	87	1
1020	Connection	LF	2	0	2	0	0
1900	Distortion	LF	21	0	21	0	0
515	Steel Protective Coating	SF	116698	0	10	116688	0
3410	Chalking (Steel Protective Coatings)	LF	116643	0	0	116643	0
3420	Peeling/Bubbling/Cracking	LF	55	0	10	45	0
(107) See attached Form III for detailed descriptions and locations of deficiencies. Beginning 12" x 35" Mid 11.5" x 32.25" End 10.5" x 29" 20" X 110" See attached Form III for detailed descriptions and locations of deficiencies.							

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, **Inspection Date:** 09/12/2022

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	44	37	6	1	0
1090	Exposed Rebar	EA	2	0	1	1	0
1130	Cracking (RC and Other)	EA	4	0	4	0	0
6000	Scour	EA	1	0	1	0	0
(205) See attached Form III for detailed descriptions and locations of deficiencies.							
215	Reinforced Concrete Abutment	LF	80	80	0	0	0
234	Reinforced Concrete Pier Cap	LF	728	654	73	1	0
1080	Delamination/Spall/Patched Area	LF	7	0	7	0	0
1120	Efflorescence/Rust Staining	LF	24	0	23	1	0
1130	Cracking (RC and Other)	LF	43	0	43	0	0
(234) See attached Form III for detailed descriptions and locations of deficiencies. See attached Form III for detailed descriptions and locations of deficiencies.							



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, Inspection Date: 09/12/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation with Log Mile going Right.



Roadway with log mile looking east.



Underclearance looking south



Underclearance looking north.



Overall deck.



Overall soffit @ span 4.



Overall deck below @ span 7.



Overall deck below @ span 21.



Typical cracks to deck @ all spans.



Typical cracks to deck.



Few minor spalls with no rebar throughout deck.



Peeling paint to outside of girder 4 @ span 8.



Cracking to column @ bent 7.



Local scour to bent 6.



Spall with rebar exposed to back side of cap @ bent 8.



Efflor crack to back side of back @ bent 8.



Cracking to backside of bent 6.



Typical cracks to Lt & Rt overhangs.



Typical Rust to bottom flange of girders.



Rust to bolt @ first splice plate to girder 4, span 7.



Hole to web, below paving haunch to girder 1 @ end of span 17.



Areas of peeling paint to ends of girders 1 - 4 @ bent 13.



Peeling paint to end of girder 2 @ end of span 14.



Spalls with rebar exposed to ahead side of column 2 @ bent 4.



Spalls with rebar exposed to column 2 @ bent 17.



Vertical crack to column 2, backside of bent 2.



Rust stain crack to backside of cap @ bent 21.



Typical spalls with rebar exposed to parapet wall.



Typical vertical cracks to parapet wall.



Typical Rip Rap repair made in the past. Up stream & down photos.

Down stream Photo of erosion of embankment at the end of Rip Rap repair.



Typical Rip Rap repair made in the past. Up stream & down photos.



Typical Rip Rap repair made in the past. Up stream & down photos.



Typical Rip Rap repair made in the past. Up stream & down photos.

Down stream Photo of erosion of embankment at the end of Rip Rap repair.



Typical Rip Rap repair made in the past. Up stream & down photos.



Typical Rip Rap repair made in the past. Up stream & down photos.

Up stream photo of rip rap has slid down embankment.



Typical Rip Rap repair made in the past. Up stream & down photos.

Up stream photo of rip rap has slid down embankment.



Typical Rip Rap repair made in the past. Up stream & down photos.

Overall elevation view of Rip Rap embankment.



Typical Rip Rap repair made in the past. Up stream & down photos.

Overall photo looking down stream.



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, **Inspection Date:** 09/12/2022

Maintenance Needs

Date Reported: 09/20/2016

Priority: C - Important

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

Status: Assigned

Component:

Deficiency Description

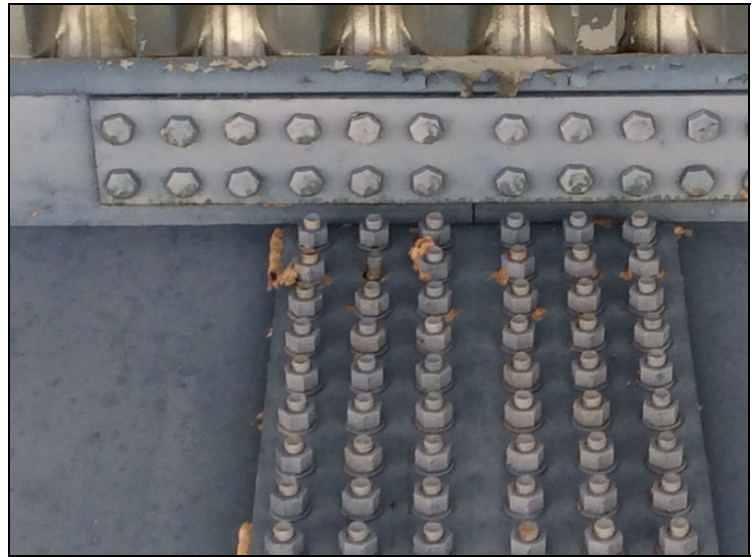
Girders

Loose bolt at field splice on Girder 2 at Span 6. Missing nut at 1st field splice of Girder 3 @ Span 6.

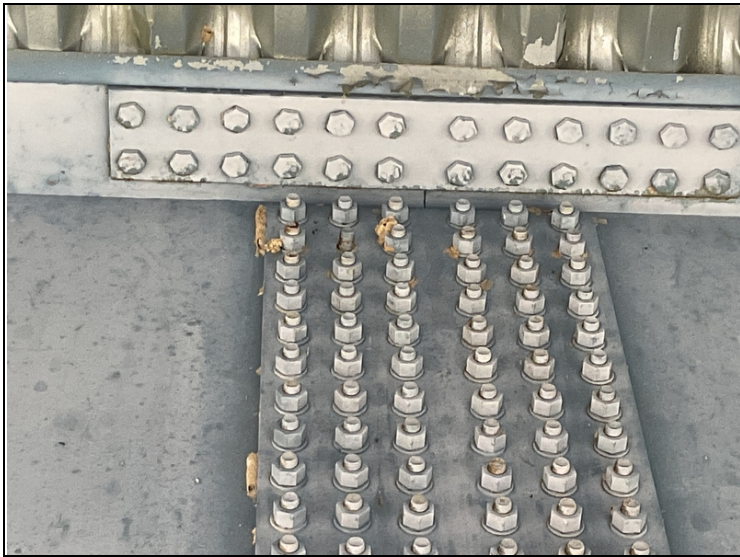
Remarks



Loose bolt @ 2nd field splice @ Girder 2 Span 6.



Missing nut @ first field splice of Girder 3 @ Span 6.



Missing nut at 1st field splice of Girder 3 @ Span 6.



Loose bolt at field splice on Girder 2 at Span 6.

Date Reported: 09/20/2016
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 0 - N/A
Status: Monitor
Component:

Deficiency Description

Girders
Paint is peeling with areas of surface rust on Girders at most spans.
Pack Rust developing at bottom splice plates.
Rust with section loss to ends of girders at Spans 13, 17, 21 & 22.

Remarks



Surface rust to bottom of Girder 3 @ Bent 2.



Peeling paint to bottom of Girder 2 @ Span 3.



Pack rust to bottom of 1st splice plate @ Girder 1
Span 7.



Rust with section loss to bottom flange of Girder 1
@ Span 13.



Paint is peeling with areas of surface rust on Girders at most spans.



Pack Rust developing at bottom splice plates.



Pack Rust developing at bottom splice plates.
Girder 1 & 4, first splice plate @ span 7.



Rust with section loss to ends of girders at Spans
13, 17, 21 & 22.
Girder 1, bent 13.



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, **Inspection Date:** 09/12/2022

Date Reported: 09/20/2016

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Deck
Unsealed cracks at all spans.

Remarks



Deck
Unsealed cracks at all spans.



Unsealed transverse cracking to deck @ Span 8.



Unsealed transverse crack in deck @ Span 5.

Date Reported: 09/20/2016
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 0 - N/A
Status: Monitor
Component:

Deficiency Description

Caps
Debris on Caps at Bents 5, 13, 17, 21 & Abutment 2.

Remarks



Debris on Cap @ Bent 5.



Debris on Cap @ Bent 17.



Caps

**Debri on Caps at Bents 5, 13, 17, 21 & Abutment 2.
Bent 5.**



Caps

**Debri on Caps at Bents 5, 13, 17, 21 & Abutment 2.
Bent 13.**



Caps

Debris on Caps at Bents 5, 13, 17, 21 & Abutment 2.
Abutment 2.

Date Reported: 09/20/2016
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 0 - N/A
Status: Monitor
Component:

Deficiency Description

Bearings
Cracks and deterioration to Elastomeric Bearings.
Rust to bearings and sole plates.

Remarks



Cracking to Bearing 3 ahead @ Bent 5.



Rust to sole plate of Bearing 4 @ Bent 5 ahead.



Bearings

Cracks and deterioration to Elastomeric Bearings.



**Cracks and deterioration to Elastomeric Bearings.
Girder 1, bent 8.**



Rust to bearings and sole plates.
Girder 3, bent 13.



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, **Inspection Date:** 09/12/2022

Date Reported: 09/14/2022
Priority: C - Important
Type of Work: Repair (General)
Status: Open
Component: Channel

Deficiency Description

Erosion to rip rap repair along East bank.

Remarks



Erosion to rip rap repair.

Down stream Photo of erosion to embankment at the end of Rip Rap repair.



Erosion to rip rap repair.

Up stream photo of rip rap has slid down embankment causing erosion to slope.



Erosion to rip rap repair.

Up stream photo of rip rap has slid down embankment causing erosion to slope.



Erosion to rip rap repair.

Down stream Photo of erosion to embankment at the end of Rip Rap repair.



Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, Inspection Date: 09/12/2022

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	



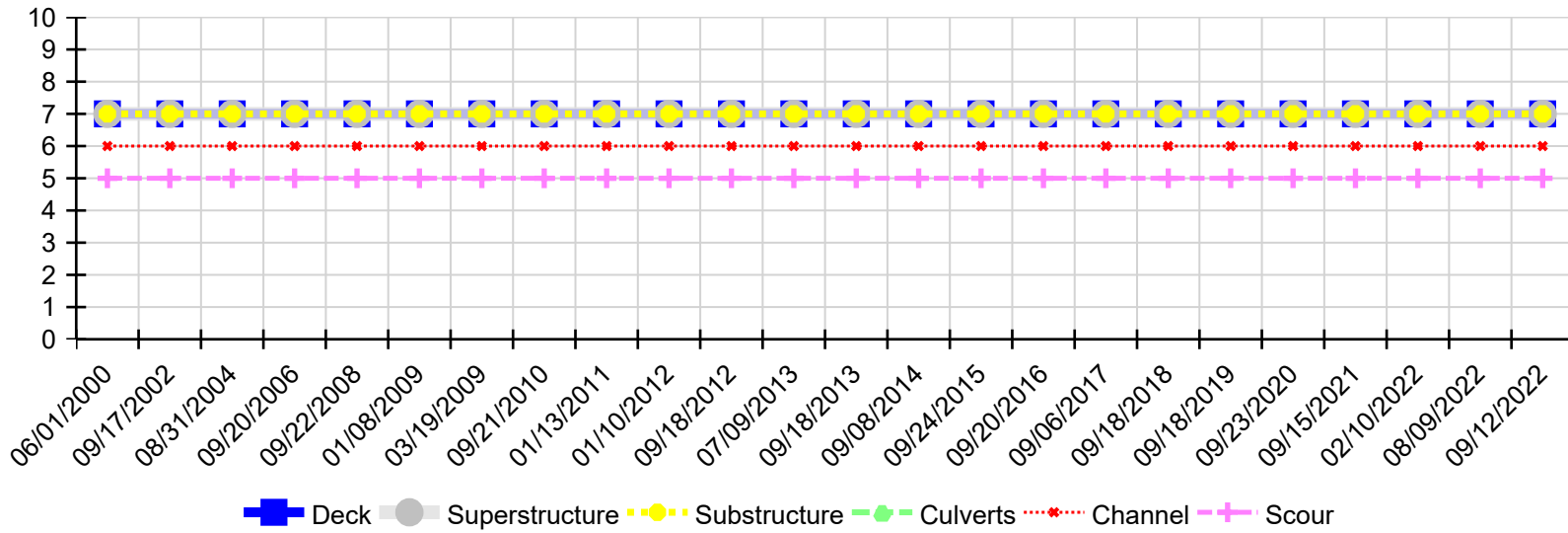
Asset #05899(Routine)

SH 69/Jackson Co. over BLACK RIVER

Location: 1.65 MI W JCT SH 17

Team Lead: Kerry Little, Inspection Date: 09/12/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/12/2022	7	7	7	N	6	5
08/09/2022	7	7	7	N	6	5
02/10/2022	7	7	7	N	6	5
09/15/2021	7	7	7	N	6	5
09/23/2020	7	7	7	N	6	5
09/18/2019	7	7	7	N	6	5
09/18/2018	7	7	7	N	6	5
09/06/2017	7	7	7	N	6	5
09/20/2016	7	7	7	N	6	5
09/24/2015	7	7	7	N	6	5
09/08/2014	7	7	7	N	6	5
09/18/2013	7	7	7	N	6	5
07/09/2013	7	7	7	N	6	5
09/18/2012	7	7	7	N	6	5
01/10/2012	7	7	7	N	6	5
01/13/2011	7	7	7	N	6	5
09/21/2010	7	7	7	N	6	5
03/19/2009	7	7	7	N	6	5
01/08/2009	7	7	7	N	6	5
09/22/2008	7	7	7	N	6	5
09/20/2006	7	7	7	N	6	5
08/31/2004	7	7	7	N	6	5
09/17/2002	7	7	7	N	6	5
06/01/2000	7	7	7	N	6	5