



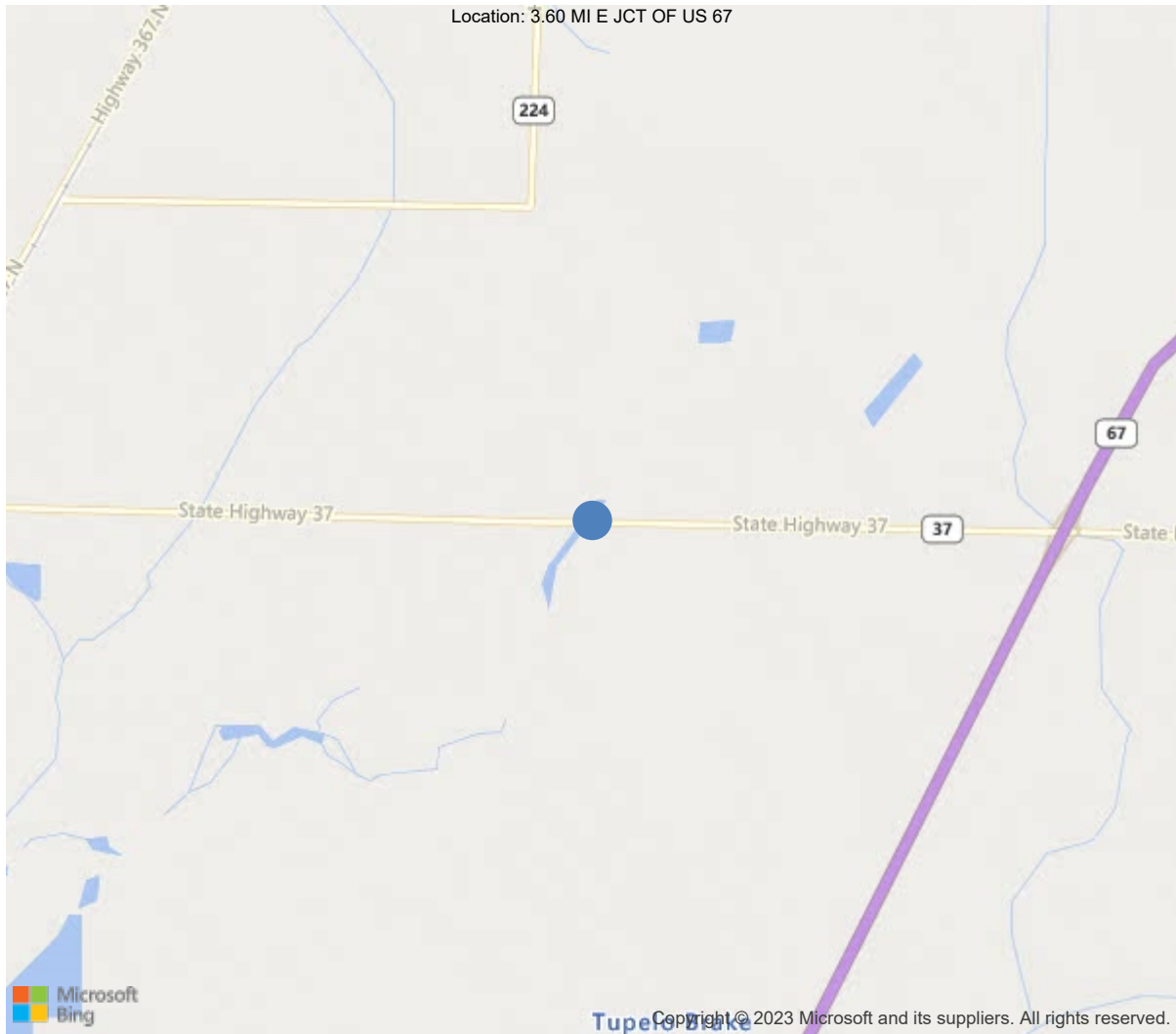
Latitude:35.72546, Longitude:-91.13857

Route:37 Section:04 Log:8.838

Arnold Road ID:34x37x4xA, Arnold Log mile:8.797

District 05, 67 - Jackson County

Owner: 1 - State Highway Agency



35.72546, -91.13857



Asset #03060(Routine)

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	03060
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	67 - Jackson County
(4) Place Code	0
(6) Features Intersected	VILLAGE CREEK
(7) Facility Carried	SH 37/Jackson Co.
(9) Location	3.60 MI E JCT OF US 67
(11) Mile Point	8.838 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.725456
(17) Longitude	-91.138565
(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	15
(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	1956
(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	630
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	17 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	285 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	23.6 ft
(52) Deck Width Out to Out	25.6 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	25.6 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	5
(59) Superstructure	5
(60) Substructure	6
(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	40
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	24
(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	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(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	0 - Inspected feature does not meet
(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	06/09/2021		
(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 #03060(Routine)

District: 05, County: 67 - Jackson County

Team Lead: Kerry Little, Inspection Date: 06/09/2021

General Observation (False)

Log Mile running West.

A-46 - Asset Files

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Asset #03060(Routine)

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	7296	7013	181	102	0
1080	Delamination/Spall/Patched Area	SF	200	0	100	100	0
1090	Exposed Rebar	SF	7	0	5	2	0
1120	Efflorescence/Rust Staining	SF	25	0	25	0	0
1130	Cracking (RC and Other)	SF	51	0	51	0	0
(16) Several spalls and patches at all Spans. Few transverse cracks. Span 13 Unit 4 has spall to soffit with exposed wire mesh. See Form III							
110	Reinforced Concrete Open Girder/Beam	LF	1995	1051	519	425	0
1080	Delamination/Spall/Patched Area	LF	87	0	87	0	0
1090	Exposed Rebar	LF	425	0	0	425	0
1120	Efflorescence/Rust Staining	LF	100	0	100	0	0
1130	Cracking (RC and Other)	LF	332	0	332	0	0
(110) Span 9 Units 3 through 6 have section loss to rebar and 6' of rebar is separated from Unit 6. Span 10 Unit 5 has 3' of exposed rebar with section loss. Span 14 Unit 6 has 16' of exposed rebar with section loss. Several longitudinal cracks to Units at all Spans. See attached Form III for details of deficiencies.							
215	Reinforced Concrete Abutment	LF	71	30	41	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1090	Exposed Rebar	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
6000	Scour	LF	36	0	36	0	0
(215) Undermining 1' down & 2' back under Abutment 2 with 3 piles exposed. See attached Form III for details of deficiencies.							
227	Reinforced Concrete Pile	EA	45	0	44	1	0
1130	Cracking (RC and Other)	EA	3	0	3	0	0
1190	Abrasion/Wear (PSC/RC)	EA	42	0	41	1	0
(227) Minor vertical cracks at Bents 6 & 11. Light scaling to all Piles. See attached Form III for details of deficiencies.							
234	Reinforced Concrete Pier Cap	LF	357	320	10	27	0
1080	Delamination/Spall/Patched Area	LF	33	0	6	27	0
1090	Exposed Rebar	LF	4	0	4	0	0
(234) See attached Form III for details of deficiencies.							
302	Compression Joint Seal	LF	102	63	29	10	0

**Asset #03060(Routine)**

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, **Inspection Date:** 06/09/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
2350	Debris Impaction	LF	28	0	28	0	0
2360	Adjacent Deck or Header	LF	11	0	1	10	0
304	Open Expansion Joint	LF	256	156	55	45	0
2350	Debris Impaction	LF	29	0	29	0	0
2360	Adjacent Deck or Header	LF	71	0	26	45	0
330	Metal Bridge Railing	LF	570	285	285	0	0
1000	Corrosion	LF	285	0	285	0	0
515	Steel Protective Coating	SF	1710	0	355	500	855
3440	Effectiveness (Steel Protective Coatings)	LF	1710	0	355	500	855
(330) Rust to back side of rail. Approximately 50 % of paint has failed. The remaining paint is peeling and flaking with primer exposed.							

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	7296	7013	181	102	0
1080	Delamination/Spall/Patched Area	SF	200	0	100	100	0
1090	Exposed Rebar	SF	7	0	5	2	0
1120	Efflorescence/Rust Staining	SF	25	0	25	0	0
1130	Cracking (RC and Other)	SF	51	0	51	0	0
(16) Several spalls and patches at all Spans. Few transverse cracks. Span 13 Unit 4 has spall to soffit with exposed wire mesh. See Form III							

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	1995	1051	519	425	0
1080	Delamination/Spall/Patched Area	LF	87	0	87	0	0
1090	Exposed Rebar	LF	425	0	0	425	0
1120	Efflorescence/Rust Staining	LF	100	0	100	0	0
1130	Cracking (RC and Other)	LF	332	0	332	0	0
<p>(110) Span 9 Units 3 through 6 have section loss to rebar and 6' of rebar is separated from Unit 6. Span 10 Unit 5 has 3' of exposed rebar with section loss. Span 14 Unit 6 has 16' of exposed rebar with section loss.</p> <p>Several longitudinal cracks to Units at all Spans.</p> <p>See attached Form III for details of deficiencies.</p>							

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	71	30	41	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1090	Exposed Rebar	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
6000	Scour	LF	36	0	36	0	0
(215) Undermining 1' down & 2' back under Abutment 2 with 3 piles exposed. See attached Form III for details of deficiencies.							
227	Reinforced Concrete Pile	EA	45	0	44	1	0
1130	Cracking (RC and Other)	EA	3	0	3	0	0
1190	Abrasion/Wear (PSC/RC)	EA	42	0	41	1	0
(227) Minor vertical cracks at Bents 6 & 11. Light scaling to all Piles. See attached Form III for details of deficiencies.							
234	Reinforced Concrete Pier Cap	LF	357	320	10	27	0
1080	Delamination/Spall/Patched Area	LF	33	0	6	27	0
1090	Exposed Rebar	LF	4	0	4	0	0
(234) See attached Form III for details of deficiencies.							



Asset #03060(Routine)

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation with Log Mile going Right.



Logmile looking west.



Overall deck @ spans 1 & 2.



Overall deck @ span 9.



Typical spalls with rebar exposed to units @ all spans.



Areas of efflor cracks to girders @ all span.



Efflor cracks to soffit @ girder 5.



Typical cracks to girders @ all spans.



Areas of efflor to girders @ all spans.



Spalls to abutment 2 with no rebar exposed @ girders 3 & 5.



Spalls to ahead side of cap @ bent 17 @ girders 1 - 7.

Maintenance Needs

Date Reported: 06/09/2021
Priority: C - Important
Type of Work: Repair (General)
Status: Open
Component: Bridge

Deficiency Description

Typical spalls of random units with some rebar exposed to:

Span 1, Unit 6.

Span 2, unit 2.

Span 3, Unit 2.

Span 4 @ units 2 - 6 end of span.

Span 5, unit 1 beginning of span.

Span 9 @ unit 6 beginning of span.

Span 14, Unit 2 @ beginning of span.

Remarks



Spalls with rebar exposed to unit 6 @ span 1.



Unit 2, span 2.



Units 2 - 6, span 4 @ end of span.



Unit 1, span 5 beginning of span.



Unit 6, span 9 @ beginning of span.



Span 14, Unit 9 @ beginning of span.

Date Reported: 06/09/2021
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 1 - Clean
Status: Open
Component: Bridge

Deficiency Description

Debris buildup in Rt & Lt gutter line @ all spans.

Remarks



Debris buildup in Rt & Lt gutter line @ all spans.

Date Reported: 06/09/2021
Priority: C - Important
Type of Work: Repair (General)
Status: Open
Component: Bridge

Deficiency Description

Visible Roadway settlement @ abutment 1.

Remarks



Visible Roadway settlement @ abutment 1.



Asset #03060(Routine)

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, **Inspection Date:** 06/09/2021

Date Reported: 06/17/2019

Priority: C - Important

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

Status: Assigned

Component:

Deficiency Description

Large tree against Bents 11 - 15.

Remarks



Large tree against Bents 11 - 15.



Large tree against Bents 11 - 15.



Large tree against Bents 11 - 15.

Date Reported: 06/29/2011
Priority: D- Routine
Type of Work: Repair (General)
Status: Monitor
Component:

Deficiency Description

1st concrete guardrail post on Right side of Span 4, 5, 6 & 14 have spalls with rebar exposed.

Remarks



1st post on right side Span 14.



1st post on right side Spans 5 & 6.



1st post on right side Span 4.



1st concrete guardrail post on Right side of Span 4,
5, 6 & 14 have spalls with rebar exposed.
Span 4



1st concrete guardrail post on Right side of Span 4,
5, 6 & 14 have spalls with rebar exposed.
Span 5.

Date Reported: 06/29/2011
Priority: D- Routine
Type of Work: Repair (General)
Status: Assigned
Component:

Deficiency Description

Undermining 1' down & 2' back under Abutment 2 with 3 piles exposed.

Remarks



Undermining 1' down & 2' back under Abutment 2 with 3 piles exposed.



Undermining 1' down & 2' back under Abutment 2 with 3 piles exposed.



Asset #03060(Routine)

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, **Inspection Date:** 06/09/2021

Date Reported: 06/29/2011
Priority: C - Important
Type of Work: Repair (General)
Status: Assigned
Component:

Deficiency Description

Spalls with rebar exposed to girders @ all spans. Some with section loss.

Remarks



Span 6 Units 4 & 5.



Span 2 Units 4 & 5.



Span 9 Units 3, 4, 5 & 6.



Spalls with rebar exposed to girders @ all spans.
Some with section loss.
(See Form III)



Asset #03060(Routine)

SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

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	



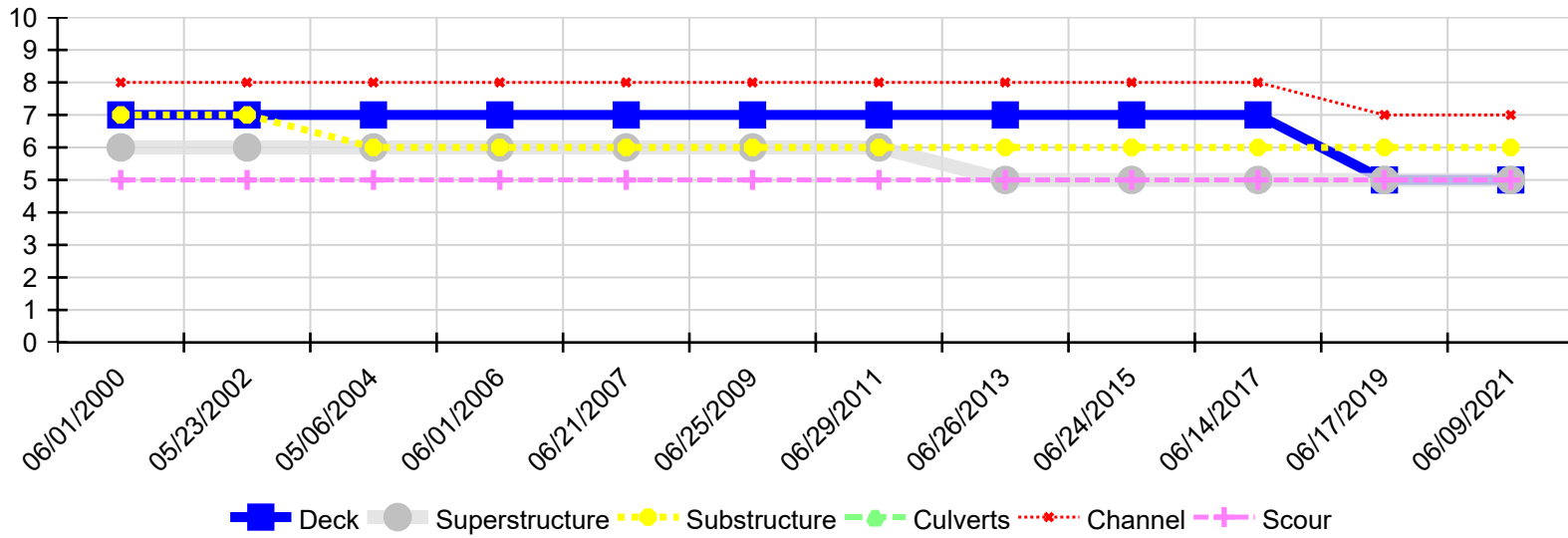
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SH 37/Jackson Co. over VILLAGE CREEK

Location: 3.60 MI E JCT OF US 67

Team Lead: Kerry Little, Inspection Date: 06/09/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/09/2021	5	5	6	N	7	5
06/17/2019	5	5	6	N	7	5
06/14/2017	7	5	6	N	8	5
06/24/2015	7	5	6	N	8	5
06/26/2013	7	5	6	N	8	5
06/29/2011	7	6	6	N	8	5
06/25/2009	7	6	6	N	8	5
06/21/2007	7	6	6	N	8	5
06/01/2006	7	6	6	N	8	5
05/06/2004	7	6	6	N	8	5
05/23/2002	7	6	7	N	8	5
06/01/2000	7	6	7	N	8	5