



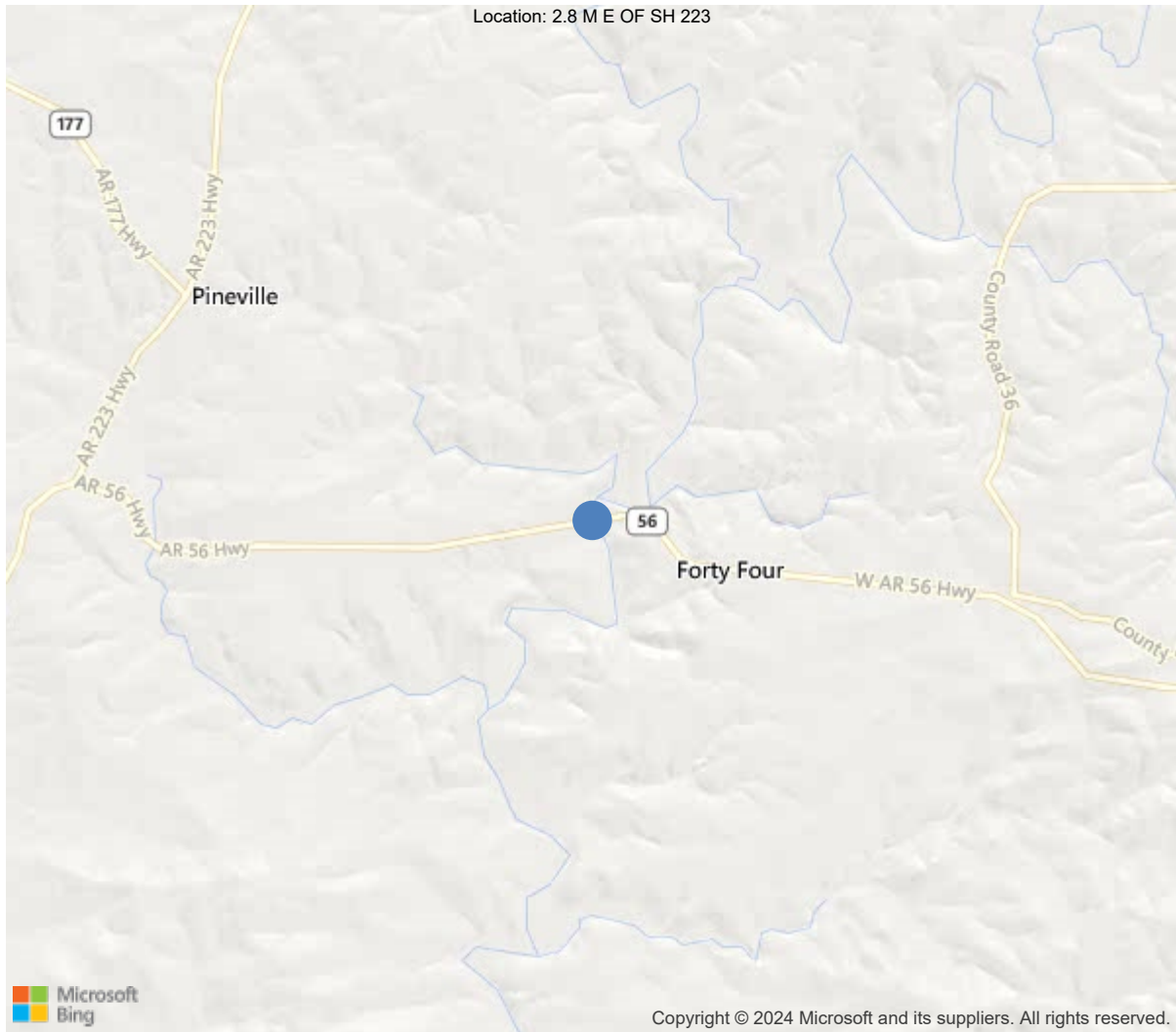
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Route:56 Section:01 Log:5.559

Arnold Road ID:33x56x1xA, Arnold Log mile:5.552

District 05, 65 - Iazard County

Owner: 1 - State Highway Agency



36.14678, -92.07139



Asset #02308(Routine)

SH 56 Izard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, Inspection Date: 04/20/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02308
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	65 - Izard County
(4) Place Code	0
(6) Features Intersected	PINEY CREEK
(7) Facility Carried	SH 56 Izard County
(9) Location	2.8 M E OF SH 223
(11) Mile Point	5.559 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000056010
(16) Latitude	36.146780593628
(17) Longitude	-92.071387008932
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3 - Steel
Type	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	6
(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	1949
(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	2000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	35 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	302 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	26.7 ft
(32) Approach Roadway Width (W/Shoulders)	25.9 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	26.2 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	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	4
(59) Superstructure	4
(60) Substructure	4
(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	39
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	23
(70) Bridge Posting	3 - 10.0 - 19.9 % below
(41) Structure Open/Posted/Closed	P - Posted for load (may include
APPRAISAL	
(67) Structural Evaluation	
(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	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	8 - Bridge foundations determined to
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	338 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 156
(96) Total Project Cost	\$ 875
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	2335
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	04/20/2023		
(91) Frequency	12		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
<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 #02308(Routine)

District: 05, County: 65 - IZARD COUNTY

Team Lead: Kerry Little, Inspection Date: 04/20/2023

General Observation

Elevation with Log Mile running to the Right.

Job #5307

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

A-19 - Code 4 (Beginning) (Null)

Load Posting @ Abutment 1.

A-20 - Code 4 (end) (Null)

Load Posting @ Abutment 2.

A-23 - Code 5 (Beginning) (36)

-

A-24 - Code 5 (End) (36)

-

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

Roadway with Log Mile running West to East.

SH 56 IZARD COUNTY OVER PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, Inspection Date: 04/20/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7590	4307	1742	1539	2
1080	Delamination/Spall/Patched Area	SF	1248	0	1147	101	0
1090	Exposed Rebar	SF	65	0	0	63	2
1120	Efflorescence/Rust Staining	SF	35	0	35	0	0
1130	Cracking (RC and Other)	SF	1325	0	200	1125	0
1190	Abrasion/Wear (PSC/RC)	SF	610	0	360	250	0
(12) See attached Form III for detailed locations & descriptions of deficiencies. Several 1/16" to 1/8" unsealed cracks to Deck. Areas of moderate scaling at all Spans.							
107	Steel Open Girder/Beam	LF	1500	1009	449	33	9
1000	Corrosion	LF	482	0	440	33	9
1900	Distortion	LF	9	0	9	0	0
515	Steel Protective Coating	SF	11490	10890	400	200	0
3440	Effectiveness (Steel Protective Coatings)	LF	600	0	400	200	0
(107) See attached Form III for detailed locations & descriptions of deficiencies. Section loss still exist in areas that were only cleaned and painted. Minor rust to bottom flange of all Girders.							
205	Reinforced Concrete Column	EA	10	0	0	10	0
1090	Exposed Rebar	EA	10	0	0	10	0
(205) See attached Form III for detailed locations & descriptions of deficiencies.							
210	Reinforced Concrete Pier Wall	LF	65	0	51	14	0
1080	Delamination/Spall/Patched Area	LF	8	0	6	2	0
1090	Exposed Rebar	LF	12	0	0	12	0
1120	Efflorescence/Rust Staining	LF	10	0	10	0	0
1130	Cracking (RC and Other)	LF	35	0	35	0	0
(210) See attached Form III for detailed locations & descriptions of deficiencies.							
215	Reinforced Concrete Abutment	LF	110	92	8	10	0
1080	Delamination/Spall/Patched Area	LF	8	0	0	8	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	8	0	6	2	0
(215) See attached Form III for detailed locations & descriptions of deficiencies. Minor cracking & spalling. Debris on cap @ Abutment 2.							



Asset #02308(Routine)

SH 56 Izard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, Inspection Date: 04/20/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
220	Reinforced Concrete Pile Cap/Footing	LF	9	4	2	3	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
6000	Scour	LF	3	0	0	3	0
(220) See attached Form III for detailed locations & descriptions of deficiencies.							
234	Reinforced Concrete Pier Cap	LF	120	12	0	103	5
1080	Delamination/Spall/Patched Area	LF	6	0	0	6	0
1090	Exposed Rebar	LF	62	0	0	57	5
1130	Cracking (RC and Other)	LF	40	0	0	40	0
(234) See attached Form III for detailed locations & descriptions of deficiencies.							
304	Open Expansion Joint	LF	175	162	0	13	0
2360	Adjacent Deck or Header	LF	13	0	0	13	0
(304) See attached Form III for detailed locations & descriptions of deficiencies. All slide plates have been removed. Spalls to joint in Right lane @ Bent 5.							
311	Movable Bearing	EA	30	0	7	23	0
1000	Corrosion	EA	21	0	1	20	0
1020	Connection	EA	3	0	0	3	0
2220	Alignment	EA	6	0	6	0	0
515	Steel Protective Coating	SF	95	35	30	30	0
3440	Effectiveness (Steel Protective Coatings)	EA	60	0	30	30	0
(311) See attached Form III for detailed locations & descriptions of deficiencies. Anchor bolts have heavy section loss with some nuts missing.							
313	Fixed Bearing	EA	30	0	22	8	0
1000	Corrosion	EA	26	0	20	6	0
1020	Connection	EA	3	0	2	1	0
2240	Loss of Bearing Area	EA	1	0	0	1	0
515	Steel Protective Coating	SF	95	80	15	0	0
3440	Effectiveness (Steel Protective Coatings)	EA	15	0	15	0	0
(313) See attached Form III for detailed locations & descriptions of deficiencies. Anchor bolts have heavy section loss with some nuts missing.							
330	Metal Bridge Railing	LF	604	0	532	72	0
1000	Corrosion	LF	532	0	532	0	0
7000	Damage	LF	72	0	0	72	0
515	Steel Protective Coating	SF	1812	0	906	906	0

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
3440	Effectiveness (Steel Protective Coatings)	LF	1812	0	906	906	0
	(330) Light rust through out. Minor cracks & spalling to concrete posts, some have rebar exposed. 70' of rebar exposed to Left & Right curbs.						

SH 56 IZARD COUNTY OVER PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, **Inspection Date:** 04/20/2023

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7590	4307	1742	1539	2
1080	Delamination/Spall/Patched Area	SF	1248	0	1147	101	0
1090	Exposed Rebar	SF	65	0	0	63	2
1120	Efflorescence/Rust Staining	SF	35	0	35	0	0
1130	Cracking (RC and Other)	SF	1325	0	200	1125	0
1190	Abrasion/Wear (PSC/RC)	SF	610	0	360	250	0
(12) See attached Form III for detailed locations & descriptions of deficiencies. Several 1/16" to 1/8" unsealed cracks to Deck. Areas of moderate scaling at all Spans.							

SH 56 IZARD COUNTY OVER PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, **Inspection Date:** 04/20/2023

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	1500	1009	449	33	9
1000	Corrosion	LF	482	0	440	33	9
1900	Distortion	LF	9	0	9	0	0
515	Steel Protective Coating	SF	11490	10890	400	200	0
3440	Effectiveness (Steel Protective Coatings)	LF	600	0	400	200	0
(107) See attached Form III for detailed locations & descriptions of deficiencies. Section loss still exist in areas that were only cleaned and painted. Minor rust to bottom flange of all Girders.							

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	10	0	0	10	0
1090	Exposed Rebar	EA	10	0	0	10	0
(205) See attached Form III for detailed locations & descriptions of deficiencies.							
210	Reinforced Concrete Pier Wall	LF	65	0	51	14	0
1080	Delamination/Spall/Patched Area	LF	8	0	6	2	0
1090	Exposed Rebar	LF	12	0	0	12	0
1120	Efflorescence/Rust Staining	LF	10	0	10	0	0
1130	Cracking (RC and Other)	LF	35	0	35	0	0
(210) See attached Form III for detailed locations & descriptions of deficiencies.							
215	Reinforced Concrete Abutment	LF	110	92	8	10	0
1080	Delamination/Spall/Patched Area	LF	8	0	0	8	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	8	0	6	2	0
(215) See attached Form III for detailed locations & descriptions of deficiencies. Minor cracking & spalling. Debris on cap @ Abutment 2.							
220	Reinforced Concrete Pile Cap/Footing	LF	9	4	2	3	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
6000	Scour	LF	3	0	0	3	0
(220) See attached Form III for detailed locations & descriptions of deficiencies.							
234	Reinforced Concrete Pier Cap	LF	120	12	0	103	5
1080	Delamination/Spall/Patched Area	LF	6	0	0	6	0
1090	Exposed Rebar	LF	62	0	0	57	5
1130	Cracking (RC and Other)	LF	40	0	0	40	0
(234) See attached Form III for detailed locations & descriptions of deficiencies.							



Elevation with Log Mile Going Right.



Roadway with log mile looking east.



Hole to web below paving haunch to girder 4 @ abutment 2.



7th post of the right side of span 4 is damaged and has rebar exposed.



Spalls with rebar exposed, some with 100% s/l & loss of bonding area to concrete to soffit @ Span 4.



Deep spall with rebar exposed to soffit between girders 1 & 2.



Girder 3 @ end of span 2 & girder 3 @ beginning of span 3 has holes to web below paving haunch.



Large spall to ahead side of cap @ bent 1.



Overall soffit @ span 2.



Large spall with rebar exposed to rt ahead side of cap @ bent 1.



Deep Spall with rebar exposed with section loss to Column 2 @ Bent 1



Horizontal cracking to Concrete Pier Wall @ Bent 1.



Rust with section loss to web @ girders 1 - 5 @ beginning of span 2.



Load posting sign @ abutment 2.



Upstream



Downstream



Typical spalls & patched areas to deck @ all spans



Load posting sign @ abutment 1.

Maintenance Needs

Date Reported: 04/03/2019

Priority: B - Pressing

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

Status: Assigned

Component:

Deficiency Description

Bent 4 - Fixed Bearing 2 on ahd. Side is non-bearing until loaded.

Remarks



Bent 4 - Fixed Bearing 2 on ahead side is non-bearing until loaded.



Bent 4 - Fixed Bearing 2 on ahd. Side is non-bearing until loaded.



Asset #02308(Routine)

SH 56 Iazard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, **Inspection Date:** 04/20/2023

Maintenance Needs

Date Reported: 04/19/2017

Priority: C - Important

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

Status: Assigned

Component:

Deficiency Description

Unsealed cracks to Deck.

Remarks



Unsealed cracks to Deck.

Maintenance Needs

Date Reported: 04/19/2017

Priority: C - Important

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

Status: Assigned

Component:

Deficiency Description

Deep spalls with rebar exposed to soffit at Spans 3, 4 & 5

Large spalls with rebar exposed to Left & Right overhangs at Spans 2, 4, 5, & 6.

Remarks



Deep spalls with rebar exposed to soffit at Spans 3, 4 & 5
Span 3, between girders 4 & 5.



Large spalls with rebar exposed to Left & Right
overhangs at Spans 2, 4, 5, & 6.
Span 2, rt overhang.

Maintenance Needs

Date Reported: 04/19/2017

Priority: C - Important

Type of Work: Repair (General)

Status: Assigned

Component:

Deficiency Description

Heavy spalling with rebar exposed, delaminating & cracking to Caps & Columns at Bents 1-5.

Remarks



Spalls with rebar exposed to Right end of cap @ Bent 1.



Spalls with rebar exposed to Columns 1 & 2 @ Bent 3.



Spalls with rebar exposed to Left Column @ Bent 1.



Spalls with rebar exposed to cap support haunch @ Bent 3 Right. Some with 100% section loss.



Heavy spalling with rebar exposed, delaminating & cracking to Caps & Columns at Bents 1-5.



Heavy spalling with rebar exposed, delaminating & cracking to Caps & Columns at Bents 1-5.
Bent 1.



Heavy spalling with rebar exposed, delaminating & cracking to Caps & Columns at Bents 1-5.
Bent 1

Maintenance Needs

Date Reported: 04/03/2019

Priority: C - Important

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

Status: Monitor

Component:

Deficiency Description

Span 5 - Spall with 1' rebar exposed to deck.

Remarks



Span 5 - Spall with 1' rebar exposed to deck.



Span 5 - Spall with 1' rebar exposed to deck.



Span 5 - Spall with 1' rebar exposed to deck.

Maintenance Needs

Date Reported: 04/26/2022

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Rust with s/l & holes in web below haunch above repaired area @ Girder 3 @ end of Span 2.

Rust with s/l & hole in web below haunch @ Girder 4 @ end of Span 2.

Rust with s/l to web below haunch @ Girder 3 @ end of Span 4.

Rust with s/l & holes in webs below haunch @ Girder 3 @ end of Span 4 & beginning of Span 5.

Rust with s/l & hole in web below haunch @ Girder 4 @ Abutment 2.

Remarks



Rust with s/l & holes in web below haunch above repaired area @ Girder 3 @ end of Span 2.



Rust with s/l & hole in web below haunch @ Girder 4 @ end of Span 2.



Rust with s/l to web below haunch @ Girder 3 @ end of Span 4.



Rust with s/l & holes in webs below haunch @ Girder 3 @ end of Span 4 & beginning of Span 5.



Rust with s/l & hole in web below haunch @ Girder 4 @
Abutment 2.



Asset #02308(Routine)

SH 56 Iazard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, Inspection Date: 04/20/2023

Maintenance Needs

Date Reported: 04/19/2017

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Spalls with rebar exposed to curb at Spans 1-6.

Remarks



Spalls with rebar exposed to curb at Spans 1-6.



Asset #02308(Routine)

SH 56 Iazard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, **Inspection Date:** 04/20/2023

Maintenance Needs

Date Reported: 05/19/2020

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Monitor

Component: Bridge

Deficiency Description

Drift @ Bent 2.

Remarks



Drift @ Bent 2.

Maintenance Needs

Date Reported: 04/26/2022

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Monitor

Component: Element

Deficiency Description

Debris on cap @ Bents 1 - 5 & Abutment 2.

Remarks



Debris on cap @ Bent 1.



Debris on cap @ Abutment 2.



Debris on cap @ Bents 1 - 5 & Abutment 2.
Abutment 2.



Asset #02308(Routine)

SH 56 IZARD COUNTY OVER PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, **Inspection Date:** 04/20/2023

Maintenance Needs

Date Reported: 04/26/2018

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

Status: Monitor

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

Component:

Deficiency Description

Remarks

Bat in spalled area of soffit @ Span 5.



Asset #02308(Routine)

SH 56 Izard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, Inspection Date: 04/20/2023

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	Yes
A-58 - Cap Cleaning/Flushing Needed	Yes
A-59 - Joint Repair Needed	Yes
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	



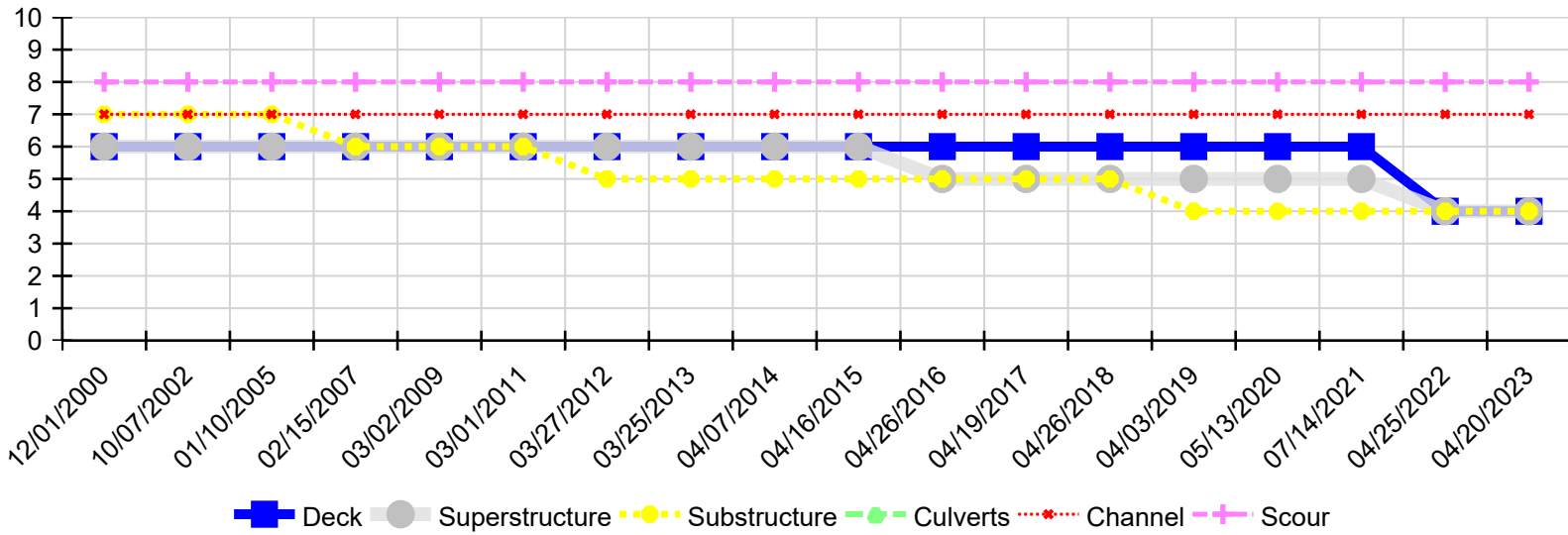
Asset #02308(Routine)

SH 56 Izard County over PINEY CREEK

Location: 2.8 M E OF SH 223

Team Lead: Kerry Little, Inspection Date: 04/20/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/20/2023	4	4	4	N	7	8
04/25/2022	4	4	4	N	7	8
07/14/2021	6	5	4	N	7	8
05/13/2020	6	5	4	N	7	8
04/03/2019	6	5	4	N	7	8
04/26/2018	6	5	5	N	7	8
04/19/2017	6	5	5	N	7	8
04/26/2016	6	5	5	N	7	8
04/16/2015	6	6	5	N	7	8
04/07/2014	6	6	5	N	7	8
03/25/2013	6	6	5	N	7	8
03/27/2012	6	6	5	N	7	8
03/01/2011	6	6	6	N	7	8
03/02/2009	6	6	6	N	7	8
02/15/2007	6	6	6	N	7	8
01/10/2005	6	6	7	N	7	8
10/07/2002	6	6	7	N	7	8
12/01/2000	6	6	7	N	7	8