



Latitude:35.35589, Longitude:-91.56415

Route:167 Section:14 Log:2.54

Arnold Road ID:73x167x14xA, Arnold Log mile:2.556

District 05, 145 - White County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

### Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

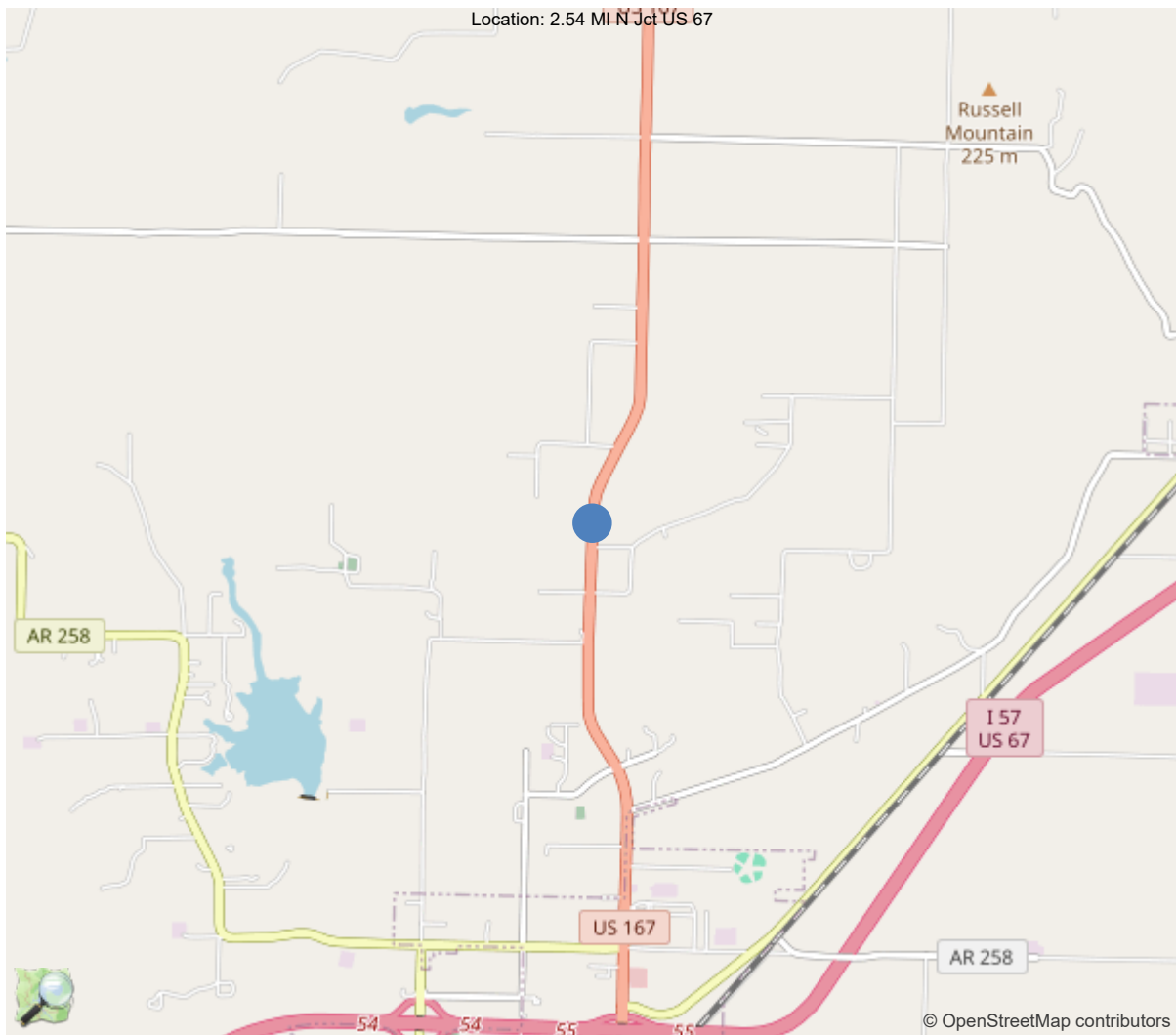
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	59		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



35.35589, -91.56415





IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02111
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	145 - White County
(4) Place Code	0
(6) Features Intersected	OVER FLOW CREEK
(7) Facility Carried	US 167 White Co.
(9) Location	2.54 MI N Jct US 67
(11) Mile Point	2.54 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000167140
(16) Latitude	35.35589
(17) Longitude	-91.56415
(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	1
(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	1987
(106) Year Reconstructed	1990
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	8400
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	53 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	71.9 ft
(52) Deck Width Out to Out	74 ft
(32) Approach Roadway Width (W/Shoulders)	71.9 ft
(33) Bridge Median	2 - Closed median(no
(34) Skew	30 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	71.9 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	1
(26) Functional Class	2 - Rural Principal 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	1 - The inventory route is par
(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	7
(60) Substructure	6
(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	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	
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	N
(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	8 - 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	10164
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	05/06/2024		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* 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.			

Team Lead: Floyd Haley, Inspection Date: 05/06/2024

IDENTIFICATION	
B.ID.01 Bridge Number	02111
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1987

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	145 - White County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	05 - District 05
B.L.05 Latitude	35.35589
B.L.06 Longitude	-91.56415
B.L.07 Border Bridge Number	
B.L.08 Border Bridge State or Country Code	
B.L.09 Border Bridge Insp. Resp.	
B.L.10 Border Bridge Designated Lead State	
B.L.11 Bridge Location	2.54 MI N Jct US 67
B.L.12 Metropolitan Planning Organization	

CLASSIFICATION	
B.CL.01 Owner	S01 - State transportation departme
B.CL.02 Maint. Responsibility	S01 - State transportation departme
B.CL.03 Federal or Tribal Land Access	N - Not Applicable
B.CL.04 Historic Significance	N - Bridge is not eligible for the
B.CL.05 Toll	N - Bridge does not carry a toll ro
B.CL.06 Emergency Evacuation Designation	

ROADSIDE HARDWARE	
B.RH.01A Bridge Railing Type	
B.RH.01B Bridge Railing Year (YY)	
B.RH.01C Bridge Railing Test Level	
B.RH.02A Transition Type	
B.RH.02B Transition Year (YY)	
B.RH.02C Transition Test Level	

BRIDGE GEOMETRY	
B.G.01 NBIS Bridge Length	53.1
B.G.02 Total Bridge Length	53.1
B.G.03 Max Span Length	49.9
B.G.04 Min Span Length	49.9
B.G.05 Bridge Width Out-to-Out	74.1
B.G.06 Bridge Width Curb-to-Curb	71.9
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	71.9

B.G.10 Bridge Median	2 - Closed Median (mountable)
B.G.11 Skew	30
B.G.12 Curved Bridge	
B.G.13 Max Bridge Height	
B.G.14 Sidehill Bridge	
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	3940.9

LOADS AND LOAD RATING	
B.LR.01 Design Load	HS20 - HS-20
B.LR.02 Design Method	
B.LR.03 Load Rating Date	
B.LR.04 Load Rating Method	LFR - Load Factor Rating
B.LR.05 Inventory Load Rating Factor	1
B.LR.06 Operating Load Rating Factor	1.67
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	N - NSTM inspection not required.
B.IR.02 Fatigue Details	
B.IR.03 UW Inspection Required	N - Underwater inspection not requi
B.IR.04 Complex Feature	

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	6 - SATISFACTORY - Widespread
B.C.02 Superstructure Condition	7 - GOOD - Some minor defects.
B.C.03 Substructure Condition	6 - SATISFACTORY - Widespread
B.C.04 Substructure Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	
B.C.06 Bridge Railing Transitions Condition	
B.C.07 Bridge Bearings Cond.	
B.C.08 Bridge Joints Condition	
B.C.09 Channel Condition Rating	6 - SATISFACTORY - Widespread
B.C.10 Channel Protection Condition	
B.C.11 Scour Condition Rating	7 - Some minor scour.
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	6 - SATISFACTORY - Widespread
B.C.14 NSTM Insp. Condition	
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	G - Good
B.AP.02 Overtopping Likelihood	1 - Remote - once every 100 years o
B.AP.03 Scour Vulnerability	AB-T - TEMP - Stable for scour, pos
B.AP.04 Scour Plan of Action	0 - A scour POA is not required.
B.AP.05 Seismic Vulnerability	0 - Seismic evaluation not complete

Team Lead: Floyd Haley, Inspection Date: 05/06/2024

## SPAN SETS

## M1

B.SP.02 # of Spans	1	B.SP.08 Deck Interaction	
B.SP.03 # of Beam Lines		B.SP.09 Deck Material and Type	CR-T - TEMP - concrete cast-in
B.SP.04 Span Material	S-T - TEMP - steel - S01 or S0	B.SP.10 Wearing Surface	C01 - Concrete - monolithic
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	GB-T - TEMP - girder/beam - G0	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System		B.SP.13 Deck Stay-In-Place Forms	

## HIGHWAY FEATURES

## H1

B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	8400
B.F.03 Feature Name	US 167 White Co.	B.H.10 Annual ADTT	84
B.H.01 Functional Classification	3 - Principal Arterial - Other	B.H.11 Year of Annual ADT	2018
B.H.02 Urban Code	99999	B.H.12 Highway Max Usable Vertical Clearance	99.9
B.H.03 NHS Designation	Y - NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	1-T - TEMP - NHFN - 1 or 2 or	B.H.14 Highway Min Horizontal Clearance, Left	
B.H.05 STRAHNET Designation	N - Not a STRAHNET route	B.H.15 Highway Min Horizontal Clearance, Right	
B.H.06 LRS Route ID	167140	B.H.16 Highway Max Usable Surface Width	71.8
B.H.07 LRS Mile Point	2.54	B.H.17 Bypass Detour Length	2
B.H.08 Lanes On Highway	4	B.H.18 Crossing Bridge Number	

## WATERWAY FEATURES

## W1

B.F.02 Feature Location	B - Below bridge	B.N.03 Movable Bridge Max Navigation Vertical Clearance	
B.F.03 Feature Name	OVER FLOW CREEK	B.N.04 Navigation Channel Width	
B.N.01 Navigable Waterway	N - Not navigable waters	B.N.05 Navigation Channel Min Horizontal Clearance	
B.N.02 Navigation Min Vertical Clearance		B.N.06 Substructure Navigation Protection	

## POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PO - Permanent - Open	

## LOAD EVALUATION AND POSTING

B.EP.01 Legal Load Configuration	B.EP.02 Legal Load Rating Factor	B.EP.03 Posting Type	B.EP.04 Posting Value
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Asset #02111(Routine)

US 167 White Co. over OVER FLOW CREEK

Location: 2.54 MI N Jct US 67

Team Lead: Floyd Haley Inspection Date: 05/06/2024

### General Observation

Elevation with Log Mile running to the Right.  
Job Number: 5834 & widened under R50030.

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#### 58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Overall deck is in satisfactory condition with cracks to deck throughout.

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#### 59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Overall superstructure is in good condition with rust with minor section loss to ends of girders.

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#### 60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

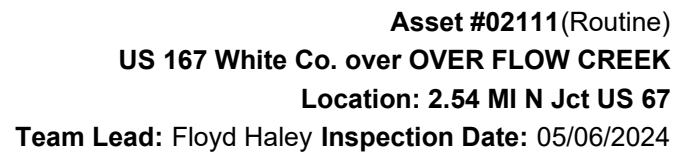
Overall substructure is in satisfactory condition with vertical cracks to abutment 1 & 2, some with efflorescence.

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#### A-51 - Inspection Direction (2 - S to N)

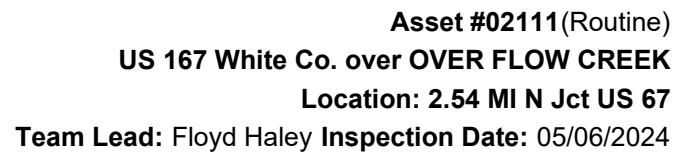
Roadway with Log Mile running South to North.

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	3922	983	2224	715	0
1080	Delamination/Spall/Patched Area	SF	15	0	0	15	0
1120	Efflorescence/Rust Staining	SF	24	0	24	0	0
1130	Cracking (RC and Other)	SF	900	0	200	700	0
1190	Abrasion/Wear (PSC/RC)	SF	2000	0	2000	0	0
(12) Deck cracking (Unsealed) @ all spans. 200' CS 2, 700' CS 3							
Moderate abrasion to surface of deck, mostly in northbound & turn lanes. 2000' CS 2							
A few minor efflorescent cracks to undersurface & Right overhang. 24' CS 2							
15' of spalls to deck behind joint @ abutment 1. 15' CS 3							
107	Steel Open Girder/Beam	LF	500	480	14	6	0
1000	Corrosion	LF	20	0	14	6	0
515	Steel Protective Coating	SF	3225	3205	0	20	0
3440	Effectiveness (Steel Protective Coatings)	LF	20	0	0	20	0
(107) Minor rust to ends of girders.							
Girder 1: Has 3' of rust to top & bottom flang at beginning and end of span. 3' CS 3							
Girder 2 - has 4' of corrosion to girder in various locations throughout. 4' CS 2							
Girder 3 - OK							
Girder 4 - has 5' of corrosion to girder in various locations throughout. 5' CS 2							
Girder 5 - OK							
Girder 6 - has 1' rust below paving haunch at end of span. 1' CS 3							
Girder 7 - has 3' of corrosion to girder in various locations throughout. 3' CS 2							
Girder 8 - has 1' below paving haunch at beginning of span. 1' CS 3							
Girder 9 - has 4' of corrosion to girder in various locations throughout. 4' CS 2							
Girder 10 - has 1' rust below paving haunch at end of span. 1' CS 3							
215	Reinforced Concrete Abutment	LF	232	152	2	78	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1120	Efflorescence/Rust Staining	LF	12	0	0	12	0
1130	Cracking (RC and Other)	LF	26	0	0	26	0
6000	Scour	LF	40	0	0	40	0
(215) Scour to Right end of Abutment 1 .							
Channel has realigned toward Abutment 1.							
Abutment 1: has 6' of efflorescent cracks with rust. 6' CS 3							
12' of vertical & horizontal cracks. 12' CS 3							
2' spall to Lt side of abutment 1. 2' CS 2							
Abutment 2: has 6' of efflorescent cracks with rust. 6' CS 3							
14' of vertical & horizontal cracks. 14' CS 3							





ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
302	Compression Joint Seal	LF	166	42	120	4	0
2340	Seal Cracking	LF	109	0	105	4	0
2350	Debris Impaction	LF	15	0	15	0	0
(302) Minor cracking to compression joint seal @ Abutments 1 & 2. 105' CS 3							
311	Movable Bearing	EA	10	0	4	6	0
1000	Corrosion	EA	10	0	4	6	0
515	Steel Protective Coating	SF	20	20	0	0	0
(311) Minor Rust & corrosion. Bearing 1 - has rust with pack rust. 1 CS 3 Bearing 2 - has rust with pack rust. 1 CS 3 Bearing 3 - has corrosion to bearing. 1 CS 2 Bearing 4 - has corrosion to bearing. 1 CS 2 Bearing 5 - has corrosion to bearing. 1 CS 2 Bearing 6 - has rust with pack rust. 1 CS 3 Bearing 7 - has corrosion to bearing. 1 CS 2 Bearing 8 - has rust with pack rust. 1 CS 3 Bearing 9 - has rust with pack rust. 1 CS 3 Bearing 10 - has rust with pack rust. 1 CS 3							
313	Fixed Bearing	EA	10	0	5	5	0
1000	Corrosion	EA	10	0	5	5	0
515	Steel Protective Coating	SF	20	20	0	0	0
(313) Minor Rust & corrosion. Bent 1: Bearing 1 has corrosion to bearing. 1 CS 2 Bearing 2 has corrosion to bearing. 1 CS 2 Bearing 3 has corrosion to bearing. 1 CS 2 Bearing 4 has corrosion to bearing. 1 CS 2 Bearing 5 has pack rust to bearing. 1 CS 3 Bearing 6 has corrosion to bearing. 1 CS 2 Bearing 7 has pack rust to bearing. 1 CS 3 Bearing 8 has pack rust to bearing. 1 CS 3 Bearing 9 has pack rust to bearing. 1 CS 3 Bearing 10 has pack rust to bearing. 1 CS 3							
321	Reinforced Concrete Approach Slab	SF	3654	3242	100	312	0
1130	Cracking (RC and Other)	SF	412	0	100	312	0
(321) Several large unsealed cracks to Approach Slabs							
331	Reinforced Concrete Bridge Railing	LF	106	97	9	0	0
1130	Cracking (RC and Other)	LF	9	0	9	0	0
(331) Minor Cracking.							



Elevation with log mile going right.



Roadway with log mile going looking north.



Rt channel



Lt channel





**Asset #02111(Routine)**  
**US 167 White Co. over OVER FLOW CREEK**  
**Location: 2.54 MI N Jct US 67**  
**Team Lead: Floyd Haley Inspection Date: 05/06/2024**



Overall deck.

### Maintenance Needs

**Date Reported:** 05/11/2016

**Priority:** C - Important

**Type of Work:** Repair (General)

**Status:** Assigned

**Component:** Bridge

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### Deficiency Description

Erosion to embankment & behind Right wing at Abutment 1. Scour along footing and Right end of Abutment 1.

### Remarks

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Erosion to embankment & behind Right wing at Abutment 1. Scour along footing and Right end of Abutment 1.



Erosion to embankment & behind Right wing at Abutment 1. Scour along footing and Right end of Abutment 1.





## Routine Maintenance

### Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	Yes
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	Yes

**A-54 - Sealable Deck Cracks (Yes)**

**A-55 - Deck Washing Needed (No)**

**A-56 - Joint Cleaning/Flushing Needed (No)**



**Asset #02111(Routine)**  
**US 167 White Co. over OVER FLOW CREEK**  
**Location: 2.54 MI N Jct US 67**  
**Team Lead: Floyd Haley Inspection Date: 05/06/2024**

**A-57 - Girder End and Bearing Painting Needed (No)**

**A-58 - Cap Cleaning/Flushing Needed (No)**

**A-59 - Joint Repair Needed (No)**

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (Yes)**

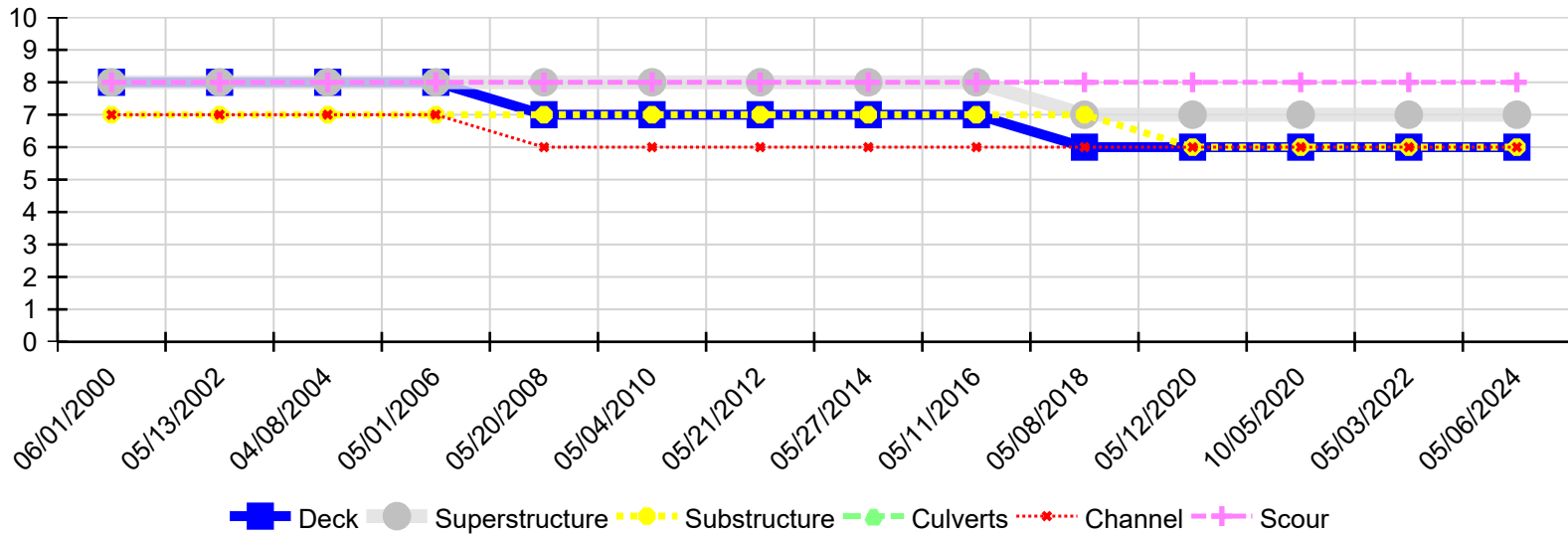
**A-62 - Hydro and LMC Advised (No)**

**A-63 - Missing/Incorrect Log Mile Signage (No)**

**A-64 - Vegetation Removal Requested (Yes)**



Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/06/2024	6	7	6	N	6	8
05/03/2022	6	7	6	N	6	8
10/05/2020	6	7	6	N	6	8
05/12/2020	6	7	6	N	6	8
05/08/2018	6	7	7	N	6	8
05/11/2016	7	8	7	N	6	8
05/27/2014	7	8	7	N	6	8
05/21/2012	7	8	7	N	6	8
05/04/2010	7	8	7	N	6	8
05/20/2008	7	8	7	N	6	8
05/01/2006	8	8	7	N	7	8
04/08/2004	8	8	7	N	7	8
05/13/2002	8	8	7	N	7	8
06/01/2000	8	8	7	N	7	8