

## Bridge 01881 Inspection Report



Latitude:35.58615, Longitude:-91.34107

Route:367 Section:21 Log:3.099

Arnold Road ID:34x367x21xA, Arnold Log mile:3.094

District 05, 67 - Jackson County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

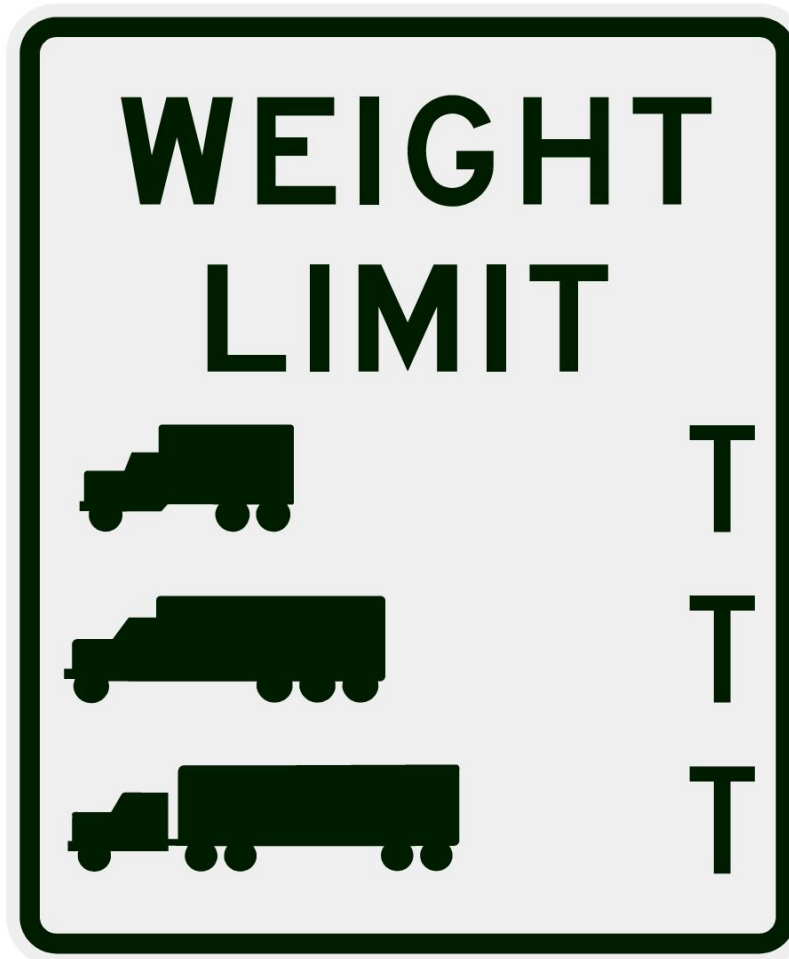
### Bridge Posting Information

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

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

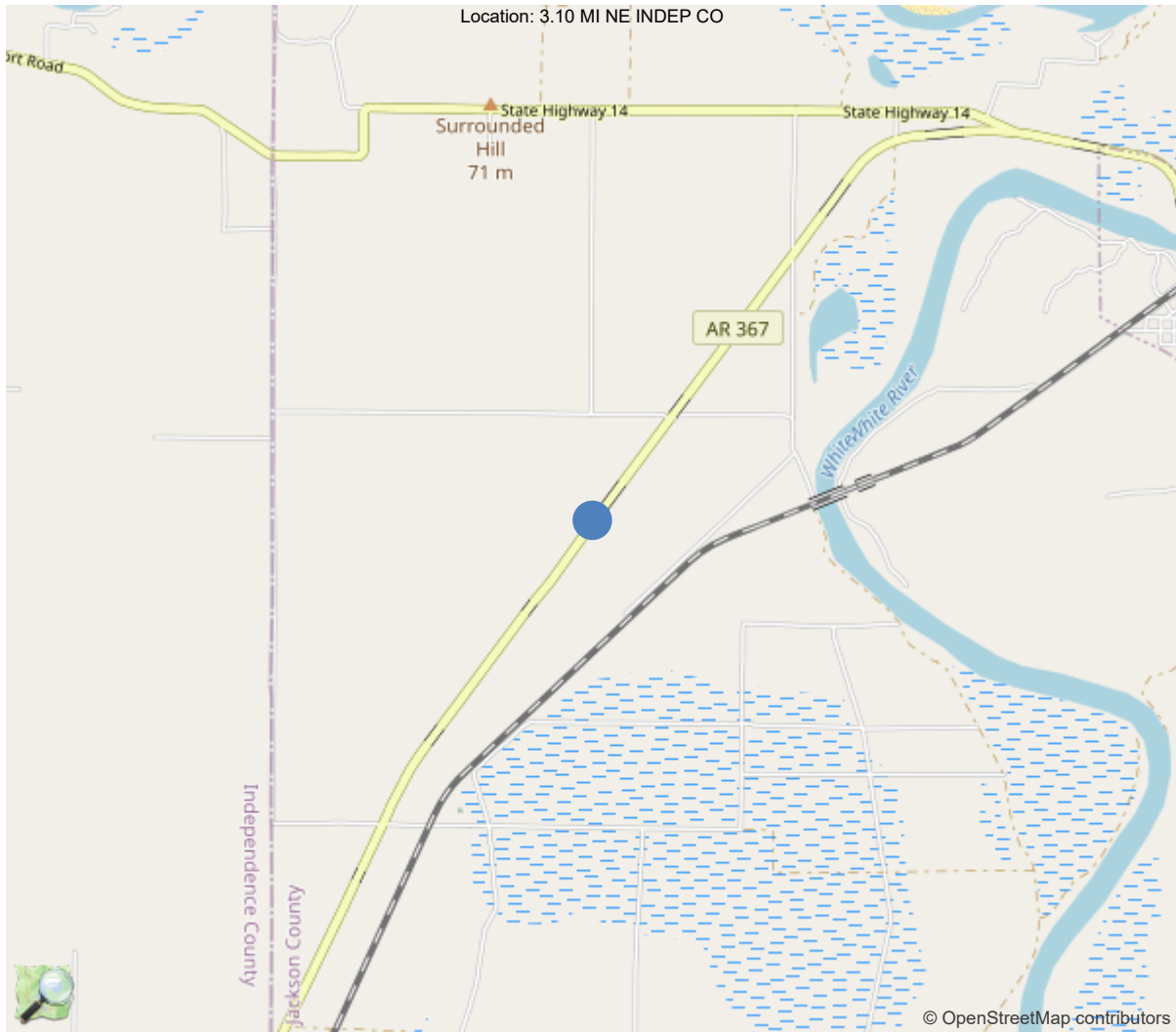
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	46		
Code 5 (40 Tons)	54		

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





35.58615, -91.34107



Asset #01881(Routine)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 3.10 MI NE INDEP CO

Team Lead: Floyd Haley Inspection Date: 09/03/2024

## National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	01881
(5) Inventory Route	1
(2) Highway Agency District	05 - District 05
(3) County Code	67 - Jackson County
(4) Place Code	0
(6) Features Intersected	WHITE RIVER RELIEF
(7) Facility Carried	SH 367/Jackson Co.
(9) Location	3.10 MI NE INDEP CO
(11) Mile Point	3.099 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.586147
(17) Longitude	-91.341072
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1 - Concrete
Type	4 - Tee beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	36
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1935
(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	1800
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	50 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	34 ft
(49) Structure Length	1225.5 ft
(50) Curb or Sidewalk Width	
Left	0.7 ft
Right	0.7 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	25.7 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	25.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	2 - Bridge is eligible for the
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	8
(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	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	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(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	815
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			09/03/2024
(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: 09/03/2024

### Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	01881
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1935

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	67 - Jackson County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	05 - District 05
B.L.05 Latitude	35.586147
B.L.06 Longitude	-91.341072
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	3.10 MI NE INDEP CO
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	2 - Bridge is eligible for the Nati
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	1217.5
B.G.02 Total Bridge Length	1226
B.G.03 Max Span Length	34.1
B.G.04 Min Span Length	34
B.G.05 Bridge Width Out-to-Out	25.6
B.G.06 Bridge Width Curb-to-Curb	24
B.G.07 Left Curb or Sidewalk Width	0.7
B.G.08 Right Curb or Sidewalk Width	0.7
B.G.09 Approach Roadway Width	25.9

B.G.10 Bridge Median	0 - No median
B.G.11 Skew	0
B.G.12 Curved Bridge	N - Not curved
B.G.13 Max Bridge Height	18
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	31375.3

LOADS AND LOAD RATING	
B.LR.01 Design Load	H15 - H-15
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	N - No E/E' details
B.IR.03 UW Inspection Required	N - Underwater inspection not requi
B.IR.04 Complex Feature	N - Bridge does not have complex fe

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	6 - SATISFACTORY - Widespread
B.C.02 Superstructure Condition	6 - SATISFACTORY - Widespread
B.C.03 Substructure Condition	6 - SATISFACTORY - Widespread
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	5 - FAIR - Some moderate defec
B.C.06 Bridge Railing Transitions Condition	7 - GOOD - Some minor defects.
B.C.07 Bridge Bearings Cond.	5 - FAIR - Some moderate defec
B.C.08 Bridge Joints Condition	4 - POOR - Widespread moderate
B.C.09 Channel Condition Rating	8 - VERY GOOD - Inherent defec
B.C.10 Channel Protection Condition	8 - VERY GOOD - Some inherent
B.C.11 Scour Condition Rating	9 - No 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: 09/03/2024

SPAN SETS			
<b>M1</b>			
B.SP.02 # of Spans	36	B.SP.08 Deck Interaction	IM - Integral or monolithic
B.SP.03 # of Beam Lines	4	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	C01 - Reinforced concrete - ca	B.SP.10 Wearing Surface	0 - None
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G03 - Girder/beam - tee-beam	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	0 - None	B.SP.13 Deck Stay-In-Place Forms	0 - None

SUBSTRUCTURE SETS			
<b>A1</b>			
B.SB.02 No. of Substructure Units	2	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	PX - Pile - other
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
<b>P1</b>			
B.SB.02 No. of Substructure Units	35	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	PX - Pile - other
B.SB.04 Substructure Type	B03 - Bent - pile	B.SB.07 Foundation Protective System	0 - None

HIGHWAY FEATURES			
<b>H1</b>			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	1800
B.F.03 Feature Name	SH 367/Jackson Co.	B.H.10 Annual ADTT	18
B.H.01 Functional Classification	5 - Major Collector	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	N - Non-NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	N - Not on the NHFN	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		B.H.16 Highway Max Usable Surface Width	25.2
B.H.07 LRS Mile Point	3.099	B.H.17 Bypass Detour Length	50
B.H.08 Lanes On Highway	2	B.H.18 Crossing Bridge Number	

HIGHWAY ROUTES					
Highway Parent	B.RT.01 Route Designation	B.RT.02 Route Number	B.RT.03 Route Direction	B.RT.04 Route Type	B.RT.05 Service Type
H1	R01	367	2-T - TEMP - Two-way traffic - NS or EW	3 - State route	1 - Mainline





Team Lead: Floyd Haley, Inspection Date: 09/03/2024

## 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	WHITE RIVER RELIEF	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 #01881(Routine)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 3.10 MI NE INDEP CO

Team Lead: Floyd Haley Inspection Date: 09/03/2024

## Inspection Notes

### General Observation

9/10/2024

A routine inspection was conducted on this date from south to north utilizing the Aspen A40 under bridge inspection unit. All defects were noted in the report's element section, and all members were rated according to their condition.

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

Overall, the deck was in satisfactory condition. Transverse cracks, spalling, and abrasion are present throughout, and exposed rebar is common to the overhangs. The deck was rated a 6 as a result.

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#### 59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

The superstructure was in satisfactory condition at this time. Numerous areas of exposed rebar were noted in the girders, and the bearings have widespread corrosion. This item was rated a 6 as a result.

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

The substructure was in overall satisfactory condition at this inspection. Exposed rebar is common, and spalls and cracking were noted in many areas. The substructure was rated a 6 as a result.

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#### 61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

There is no true channel under this structure. This structure spans a flood area for the river relief. The area that is here is well vegetated and protected.

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#### 72 - Approach Roadway Alignment (8 - Equal to present desirable criteria)

Voids are present under the approach slab at abutment 2.

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

Roadway with Log Mile running Southwest to Northeast.

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#### A-54 - Sealable Deck Cracks (Y)

The deck has sealable cracks throughout.

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#### A-57 - Girder End and Bearing Painting Needed (Y)

Bearings Rust, pack rust, and section loss to all moveable and fixed bearings.

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#### A-58 - Cap Cleaning/Flushing Needed (Y)

Due to open joints, the caps have debris throughout.

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#### A-59 - Joint Repair Needed (Y)

The joint armor is broken throughout the structure.

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Asset #01881(Routine)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 3.10 MI NE INDEP CO

Team Lead: Floyd Haley Inspection Date: 09/03/2024

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

The deck has many areas of sealable cracks, abrasion, and patched areas.

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

Vegetation growth is widespread.

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**B.C.05 Bridge Railing Condition Rating (5 - FAIR - Some moderate defects; strength and performance of the component are not affected.)**

The bridge rails have widespread defects and deterioration.

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**B.C.06 Bridge Railing Transitions Condition Rating (7 - GOOD - Some minor defects.)**

The approaches are in good condition.

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**B.C.07 Bridge Bearings Condition Rating (5 - FAIR - Some moderate defects; strength and performance of the component are not affected.)**

The bearings have heavy corrosion and numerous areas that are non-bearing.

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**B.C.08 Bridge Joints Condition Rating (4 - POOR - Widespread moderate or isolated major defects. )**

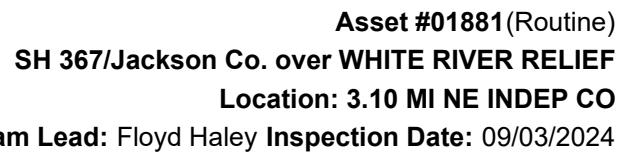
The joints are broken, damaged, or missing throughout.

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**A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (9 - No Scour.)**

No scour was noted.

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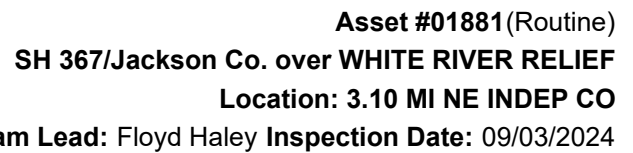
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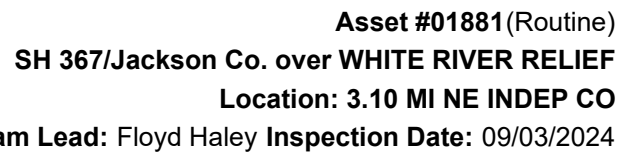
SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 3.10 MI NE INDEP CO

Team Lead: Floyd Haley Inspection Date: 09/03/2024

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Sealed cracks: 92' CS2						
Undersurface: Bay 1:	Efflorescent cracking. 5' CS2						
	Bay 1: Efflorescent cracking. 3' CS3						
	Bay 2: Efflorescent cracking. 5' CS2						
	Bay 2: Efflorescent cracking. 3' CS2						
Deck: Span 17:	Patched areas at beginning of span. 14' CS2						
Deck: Span 18:	Patched areas at beginning of span. 24' CS2						
	Sealed cracks: 3' CS2						
Undersurface:	Delaminated area to Left overhang. 1' CS2						
Deck: Span 19:	Patched areas at beginning and end of span. 36' CS2						
	Sealed cracks: 38' CS2						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 1' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Undersurface: Bay 1:	Efflorescent cracking. 3' CS2						
	Bay 1: Efflorescent cracking. 4' CS3						
	Bay 3: Efflorescent cracking. 1' CS2						
Deck: Span 20:	Patched areas at end of span. 18' CS2						
	Spalls with reinforcing steel exposed along joint at end of span. 6' CS3						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 2' CS3						
Span 21: Undersurface:	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Deck: Span 21:	Patched areas at beginning and end of span. 36' CS2						
	Sealed cracks: 25' CS2						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 1' CS3						
	Delaminated area to Right overhang. 1' CS2						
	Bay 3: Efflorescent cracking. 10' CS2						
Deck: Span 22:	Sealed cracks. 5' CS2						
Undersurface:	Spall to Left overhang. 1' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 2' CS3						
Deck: Span 23:	Sealed cracks. 6' CS2						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 2' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Deck: Span 25:	Abrasion to Right gutter line. 10' CS3						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 1' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						
	Bay 3: Efflorescent cracking. 3' CS2						
Deck: Span 26:	Abrasion to Right gutter line. 13' CS3						
Undersurface:	Spall with corroded reinforcing steel exposed to Right overhang. 2' CS3						
Deck: Span 27:	Abrasion to Right gutter line. 30' CS3						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 2' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 2' CS3						
	Spall to Right overhang. 1' CS3						
Deck: Span 28:	Abrasion to Right gutter line. 12' CS3						
Undersurface:	Minor spalls with corroded reinforcing steel exposed to Left overhang. 2' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Deck: Span 29:	Abrasion to Right gutter line. 15' CS3						
Undersurface:	Delaminated area to Left overhang. 1' CS2						
	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Deck: Span 30:	Abrasion to Right gutter line. 18' CS3						
Span 30: Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 1' CS3						
Deck: Span 31:	Patched areas at beginning and end of span. 112' CS2						
	Abrasion to Right gutter line. 20' CS3						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 2' CS3						
	Deep spall with corroded reinforcing steel exposed to Right overhang. 2' CS3						
Deck: Span 32:	Patched areas at beginning of span. 23' CS2						
	Spall with reinforcing steel exposed along joint at beginning of span. 1' CS3						
Undersurface:	Spall with corroded reinforcing steel exposed to Left overhang. 2' CS3						
	Spall with corroded reinforcing steel exposed to Right overhang. 1' CS3						

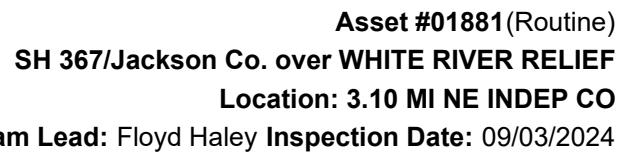
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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Bent 09, between piles 4 and 5, underside, cap: has a spall with exposed rebar. 2LF CS3 Bent 09, right, back, over pile 5: has a spall with exposed rebar. 1LF CS3 Bent 10, under bearings 1 and 2, cap: has vertical hairline cracks. 2LF CS2 Bent 16, cap: has vertical hairline cracks. 2LF CS2 Bent 20, ahead, cap: has efflorescent cracks on the right end. 2LF CS3 Bent 20, back, under bearing 4, cap: has a minor vertical crack. 1LF CS2 Bent 22, back, cap: has a vertical crack. 1LF CS2 Bent 23, ahead, right, cap: has a diagonal efflorescent crack with buildup. 1LF CS3 Bent 23, back, cap: has a spall with exposed rebar. 2LF CS3 Bent 23, back, underside, cap: has 3 spalls with exposed rebar. 3LF CS3 Bent 24, cap: has minor vertical cracks. 2LF CS2 Bent 25, back, under bearing 3, cap: has a 2' spall. 2LF CS3 Bent 25, cap: has minor vertical cracks. 2LF CS2 Bent 26, back, cap: minor vertical crack. 1LF CS2 Bent 27, back, cap: has an efflorescent crack. 1LF CS2 Bent 30, cap: has minor vertical cracks. 2LF CS2 Bent 32, ahead, cap: has a spall with exposed rebar. 1LF CS3 Bent 32, ahead, cap: has minor efflorescent cracks. 2LF CS2 Bent 34, back, right, cap: has a spall with exposed rebar. 1LF CS3 Bent 35, cap: has minor vertical cracks. 2LF CS2							
303	Assembly Joint with Seal	LF	24	24	0	0	0
(303) Bent 14 is the only joint remaining that still has the cover plate seal. No defects were noted at this time.							
304	Open Expansion Joint	LF	864	458	0	406	0
7000	Damage	LF	406	0	0	406	0
(304) Damage and missing road iron is present at all locations. Joints are in poor condition throughout. 406LF CS3							
311	Movable Bearing	EA	140	0	0	140	0
1000	Corrosion	EA	126	0	0	126	0
1020	Connection	EA	12	0	0	12	0
2220	Alignment	EA	2	0	0	2	0
515	Steel Protective Coating	SF	280	0	0	0	280
3440	Effectiveness (Steel Protective Coatings)	SF	280	0	0	0	280
(311) Moveable bearings have moderate to severe pack rust and section loss throughout. 126EA CS3 Bent 2, back, bearings 1 and 4: are non bearing. 2EA CS3 Bent 7, back, bearing 1: is non bearing. 1EA CS3 Bent 10, back, bearing 4 is non bearing. 1EA CS3 Bent 15, back, bearing 1: is non bearing. 1EA CS3 Bent 16, back, bearing 1: is non bearing. 1EA CS3 Bent 20, back, bearing 1: is non bearing. 1EA CS3 Bent 24, back, bearings 1 and 4: are non bearing. 2EA CS3 Bent 26, back, bearing 4: is non bearing. 1EA CS3 Bent 29, back, bearing 2: is non bearing. 1EA CS3 Bent 33, back, bearings 2 and 3 are out of alignment and are no longer parallel to the cap. 2EA CS3 Bent 35, back, bearing 1: is non bearing. 1EA CS3 (515-311) Bearing paint has failed and is non existent.							
313	Fixed Bearing	EA	140	0	0	140	0



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1000	Corrosion	EA	136	0	0	136	0
1020	Connection	EA	4	0	0	4	0
515	Steel Protective Coating	SF	280	0	0	0	280
3440	Effectiveness (Steel Protective Coatings)	SF	280	0	0	0	280
(313) Fixed bearings have moderate to severe pack rust throughout. Bent 24, ahead, bearings 1 and 3: are non bearing. 2EA CS3 Bent 33, ahead, bearings 2 and 4: are non bearing. 2EA CS3 (515-313) Bearing paint has failed and is non existent.							
331	Reinforced Concrete Bridge Railing	LF	2452	2343	65	44	0
1080	Delamination/Spall/Patched Area	LF	72	0	50	22	0
1090	Exposed Rebar	LF	5	0	0	5	0
1130	Cracking (RC and Other)	LF	30	0	15	15	0
7000	Damage	LF	2	0	0	2	0
(331) The railing has minor spalls throughout. 50LF CS2 The railing has minor cracks in isolated locations. 15LF CS2 Span 1: has spalling to post 1 on both sides of the bridge. the right side has rebar exposed. 1LF CS3 spall 1LF CS3 rebar. Span 2, right, posts 5-7: have spalls. 3LF CS3 Span 3, right, posts 1-4: have spalls. 4LF CS3 Span 17, right: has cracking throughout. 5LF CS3 Bent 17, right, ahead: Heavy deterioration to the post. 1LF CS3 Span 19, right, post 3: has a large crack. 1LF CS3 Span 21: has spalls at post 2, left and post 5, right. 2LF CS3 Span 23, left, posts 1-2: have spalls with exposed rebar. 2LF CS3 Span 24, left: has cracking and spalling. 3LF CS3 of ea. Span 25, right, post 2: has cracking. 1LF CS3 Span 26, left: has spalling throughout. 4LF CS3. Span 30, right, post 2 and 5: have cracking. 2LF CS3 Post 6 has exposed rebar. 1LF CS3 Span 31, right, posts 2-3: are cracked. 2LF CS3 Post 7 has impact damage. 2LF CS3 Span 32, left: has spalling throughout. 5LF CS3 Span 36, right, post 5: has rebar exposed. 1LF CS3							

## Inspection Photos and Notes



Elevation with log mile going right.



Typical deck



Typical undersurface



Inspection direction





Abutment 2, approach voids



Abutment 2 approach voids



Abutment 2, both sides of the approach have voids



Bearings  
Rust, pack rust, and section loss to all moveable and fixed bearings.





Typical condition of Fixed Bearings.



Typical condition of Moveable Bearings.



Bent 6



Bent 8, right





Bent 3 vegetation



Vegetation buildup spans 1- 5.



Tree growing under Left side of bridge @ Span 12.

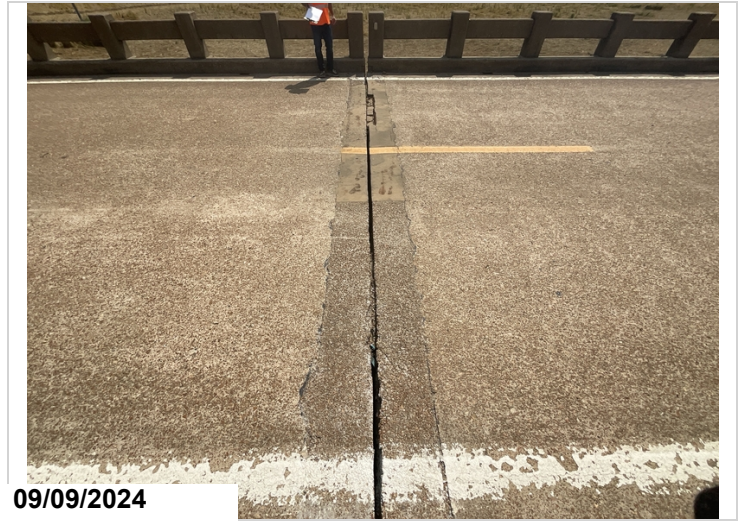


Heavy vegetation growth on piles & caps.





Heavy vegetation @ Bents 2 through 10 Right side of bridge.



Bent 20. Joint gone. Patches and 6ft rebar



Deck has abrasion throughout



Span 36, right. Large spall





Bent 31, right, back has a large spall that is nearly 8" deep with heavily corroded rebar. 1sf cs3 spall, 1sf cs3 rebar. Ahead this location 1lf cs3 rebar



Span 13, bay 1: has exposed rebar. 1sf cs3 rebar



Span 12, right, 1lf cs3



Bent 4, left, back, overhang: large spall at joint armor resulting in exposed rebar. 2sf cs3





09/09/2024

Bent 3, back, left, undersurface. Spall with exposed  
reinforcing steel. 1sf cs3  
Span 5, right: 1sf cs3  
Bent 6 left, back. 1sf cs3



09/09/2024

Bent 28, ahead, girder 4. Deterioration to girder end for 3ft.  
3lf cs3



09/09/2024

Bent 24, back girder 1: has a spall. 1LF CS3



09/09/2024

Bent 13, girder 4, back: has a shear crack measuring 6". 1LF  
CS3





09/09/2024

Span 13, girder 4, right: has small spalls with exposed rebar.  
3LF CS3



09/09/2024

Bent 7, back, girder 2, right. 8" shear crack coming from  
bearing. This crack is mirrored on the left side



09/09/2024

Bent 07, back, girder 1, left: has an 8" shear crack from the  
bearing area. Not mirrored on right. 1LF CS3



09/09/2024

Bent 05, girder 1, left: has a minor spall. 1LF CS3





Bent 5, girder 1, right: has a void in the end 1.5" deep and 6" tall above the bearing



Bent 04, back, girder 1: has a spall with exposed rebar. 1LF CS3



Typical girders have hairline flexure cracks at midspan.



Bent 2, ahead, girder 4: spall with rebar. 1LF CS3





Bent 2, back, girder 4: typical hairline cracks at the girder ends



Abutment 1, left:



Abutment 1: has minor scour with 2 piles exposed. 16LF CS2



Abutment 1, left: the wing wall has broken away similar to abutment 2.





Abutment 2, left, end post at wing wall: has broken away.  
The right end is similar



Abutment 2, left: Spalling on the headwall has caused a hole  
in the left shoulder. Right side is similar. 1LF CS3



Abutment 1, left: has a large spall where the wingwall end  
post has broken. 2LF CS3 exposed rebar, 4LF CS3 crack



Abutment 2: typical diagonal efflorescent cracks. 8LF CS2





Abutment 2, right: has a large vertical crack. 1LF CS3



Abutment 2, typical



Bent 35, pile 5: has a spall. 1EA CS3



Bent 17, pile 5: has a spall. 1EA CS3





Bent 9, pile 2, back: has a spill with exposed rebar. 1EA CS3



Bent 25, back, under bearing 3, cap: has a 2' spill. 2LF CS3



Bent 23, ahead, right, cap: has a diagonal efflorescent crack with buildup. 1LF CS3



Bent 23, back, cap: has a spill with exposed rebar. 2LF CS3





Typical cap crack



Bent 09, right, back, over pile 5: has a spall with exposed rebar. 1LF CS3



Bent 07, left, back: spall at cap end. 2lf cs3



Bent 14, joint: typical.





Bent 6: has no joint



Bent 13: typical



Bent 34: typical



Bent 35: typical broken armor 15LF CS3





Bent 29, back, bearing 2: is non bearing. 1EA CS3



Bent 10, back, bearing 4 is non bearing. 1EA CS3



Bent 7, back, bearing 1: is non bearing. 1EA CS3



Bent 2, back, bearings 1 and 4: are non bearing. 2EA CS3





Bent 2, back: typical movable bearings have cs3 corrosion throughout with pack rust and section loss.



Typical fixed bearings have corrosion with section loss throughout



Bent 1, ahead, fixed bearings: pack rust has jacked the bearings up 1/8" all the way across.



Bent 17, right, ahead: Heavy deterioration to the post. 1LF CS3





09/09/2024

Span 23, left: spalling throughout.



09/09/2024

Span 26, left: typical spalling and cracking to guard rail.





### Maintenance Needs

**Date Reported:** 07/25/2018

**Priority:** B - Pressing

**Status:** Assigned

**Type of Work:** Bearing Repair/Replacement

**Component:**

---

### Deficiency Description

Moveable Bearings are NON-BEARING at:

Bent 2, back, bearings 1 and 4: are non bearing. 2EA CS3

Bent 7, back, bearing 1: is non bearing. 1EA CS3

Bent 10, back, bearing 4 is non bearing. 1EA CS3

Bent 15, back, bearing 1: is non bearing. 1EA CS3

Bent 16, back, bearing 1: is non bearing. 1EA CS3

Bent 20, back, bearing 1: is non bearing. 1EA CS3

Bent 24, back, bearings 1 and 4: are non bearing. 2EA CS3

Bent 26, back, bearing 4: is non bearing. 1EA CS3

Bent 29, back, bearing 2: is non bearing. 1EA CS3

Bent 33, back, bearings 2 and 3 are out of alignment and are no longer parallel to the cap. 2EA CS3

Bent 35, back, bearing 1: is non bearing. 1EA CS3

Fixed Bearings are NON-BEARING at:

Bent 24, ahead, bearings 1 and 3: are non bearing. 2EA CS3

Bent 33, ahead, bearings 2 and 4: are non bearing. 2EA CS3

### Remarks

Noted to be repaired or the defect is no longer present as of 9/9/2024

Moveable Bearing

Bearing 3 at end of Span 8 has rotated out from under girder.

Bent 11 - Bearing 1 & 4.

Fixed

Bent 11 - Bearing 4

Bent 24 - Bearing 3

Bent 27 - Bearing 1

Bent 28 - Bearing 1

Bent 29 - Bearing 3

Bent 34 - Bearing 2

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Bent 11 - Bearing 1.



Moveable Bearing 3 at end of Span 8 has rotated out from under girder.



Moveable Bearings are NON-BEARING at:  
Bent 2 - Bearings 1 & 4.  
Bearing 1.



Bent 8 - Moveable bearing 3 (back side) at End of span has rotated Ahead out of place.



**01/01/2020**

Bent 24 - Fixed bearing 3 (ahead side) is non bearing.



### Maintenance Needs

Date Reported: 09/09/2024

Priority: B - Pressing

Type of Work: Substructure Repair

Status: Open

Component: Substructure

### Deficiency Description

Abutment 1 left, and 2 both sides broken end posts and spalls to headwall with fractured wings

### Remarks



Settlement @ abutment 1.



Settlement @ abutment 1.



Settlement @ Abutment 2.



Settlement @ Abutment 2.



### Maintenance Needs

**Date Reported:** 07/25/2018

**Priority:** C - Important

**Type of Work:** Miscellaneous

**Status:** Assigned

**Component:** Superstructure

---

### Deficiency Description

Span 6 - Concrete from Deck repair blowout restricting movement of Moveable Bearing 2 at Bent 6.

### Remarks

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Span 6 - Concrete from Deck repair blowout restricting movement of Moveable Bearing 2 at Bent 6.



Span 6 - Concrete from deck repair blowout restricting movement of Bearing 2 Bent 6.



### Maintenance Needs

**Date Reported:** 07/25/2018

**Priority:** C - Important

**Type of Work:** Joint Repair

**Status:** Assigned

**Component:** Miscellaneous

---

### Deficiency Description

Cracks welds or broken/loose road iron at:

Span 2 - Beginning of span.

Span 3 - End of span.

Span 10 - End of span

Span 13 - End of Span

Span 15 - End of span

Span 18 -End of Span

Span 22 - Beg.of Span

Span 23 - End of Span

Span 25 - Beg. of span

Span 26 - End of span

Span 28 - End of span

Span 29 - End of span

Span 30 - End of Span

Span 31 - Beg. of Span

Span 33 - Beg. of Span

Span 34 - Beg. & End of Span

Span 35 - End of Span

### Remarks

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Span 26 - End of span



Span 10 - End of span





Cracks welds or broken/loose road iron at:  
Span 2 - Beginning of span.



Span 27: Broke road iron at End of span.



Span 3: Broke road iron @ End of span.



Span 2: Broke road iron @ Beginning of span.



Span 14 - Crack in road iron at End of span.



Span 33 - Broke road iron at Beginning of span.



### Maintenance Needs

**Date Reported:** 07/27/2022

**Priority:** C - Important

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

**Status:** Assigned

**Component:** Bridge

---

### Deficiency Description

Erosion @ abutment 1 with 2 piles exposed.

### Remarks



Erosion @ abutment 1 with 2 piles exposed.

### Maintenance Needs

**Date Reported:** 07/13/2016

**Priority:** D- Routine

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

**Status:** Monitor

**Component:** Bridge

---

### Deficiency Description

#### Concrete Caps

Spalls with rebar exposed at Bents 4, 9, 23, 32 & 34.

Bent 04, between piles 1 and 2, underside, cap: has a spall with exposed rebar. 1LF CS3

Bent 09, between piles 4 and 5, underside, cap: has a spall with exposed rebar. 2LF CS3

Bent 09, right, back, over pile 5: has a spall with exposed rebar. 1LF CS3

Bent 23, back, cap: has a spall with exposed rebar. 2LF CS3

Bent 23, back, underside, cap: has 3 spalls with exposed rebar. 3LF CS3

Bent 32, ahead, cap: has a spall with exposed rebar. 1LF CS3

Bent 34, back, right, cap: has a spall with exposed rebar. 1LF CS3

### Remarks

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Concrete Caps

Spalls with rebar exposed at Bents 4, 9, 23, 25 & 32.  
Bent 9, between piles 4 & 5.



Concrete Caps

Spalls with rebar exposed at Bents 4, 9, 23, 25 & 32.  
Rt side of @ bent 9.





Concrete Caps  
Spalls with rebar exposed at Bents 4, 9, 23, 25 & 32.  
Bent 4 between piles 1 & 4.



Spalls with rebar exposed to bottom of Cap @ Bent 23.



Spalls with rebar exposed to bottom of cap @ Bent 4  
near Pile 2.



Spall with rebar exposed to cap @ Bent 9 backside  
above Pile 5.



Asset #01881(Routine)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 3.10 MI NE INDEP CO

Team Lead: Floyd Haley Inspection Date: 09/03/2024

## Maintenance Needs

**Date Reported:** 07/13/2016

**Priority:** D- Routine

**Status:** Monitor

**Type of Work:** Superstructure Repair

**Component:** Superstructure

---

### Deficiency Description

#### Concrete Girders

Spalls with rebar exposed at Spans 3 thru 8, 11 thru 13, 15 thru 17, 20 thru 26, 28, 32.

Bent 02, girder 4, ahead: spall with rebar. 1LF CS3

Bent 04, girder 1, back: has a spall with exposed rebar. 1LF CS3

Bent 04, girders 3 and 4, ahead, left: have spalling with exposed rebar. 2LF CS3

Bent 05, girder 4, ahead, left and right: has exposed rebar. 1LF CS3

Bent 06, girder 1, back: has exposed rebar. 1LF CS3

Bent 06, girder 1, ahead: has exposed rebar. 1LF CS3

Bent 06, girder 2, ahead: has exposed rebar. 1LF CS3,

Span 07, girder 1, left, 10' back from bent 7: has a spall with exposed rebar. 1LF CS3

Bent 07, girder 2, ahead, right: has a spall with exposed rebar. 1LF CS3

Bent 10, girder 1, ahead, left: Has a spall with exposed rebar. 1LF CS3

Bent 10, girder 4, ahead, right: has a spall with exposed rebar. 1LF CS3.

Bent 11, girder 4, ahead, right: has a spall with exposed rebar. 2LF CS3

Bent 12, girder 4, right, back: Has a spall with exposed rebar. 2LF CS3

Bent 12, girder 1, ahead and back: both girder ends have spalls with exposed rebar. 2LF CS3

Span 13, girder 4, right: has small spalls with exposed rebar. 3LF CS3

Bent 13, girder 1, back, left: has a spall with exposed rebar. 2LF CS3

Bent 13, girder 1, ahead: has a spall with exposed rebar. 2LF CS3

Bent 14, girder 1, ahead, left: has a spall with exposed rebar. 1LF CS

Bent 14, girder 4, ahead, left: has a spall with exposed rebar. 1LF CS3

Bent 16, girders 1-4, back: the girder ends have spalls with exposed rebar. 6LF CS3

Bent 16, girder 1, ahead: has a spall with exposed rebar. 1LF CS3

Bent 17, girder 3, back: has a spall with exposed rebar. 1LF CS3

Bent 19, girder 4, ahead and back: both girder ends have spalls with exposed rebar. 2LF CS3

Bent 21, girder 1 and 4, back: have spalls with exposed rebar. 2LF CS3

Bent 21, girder 1, ahead: has a spall with exposed rebar. 2LF CS3

Bent 23, girder 1, back: has a spall with exposed rebar. 1LF CS3

Bent 23, girders 1 and 4, ahead: have spalls with exposed rebar. 3LF CS3

Bent 24, girder 2, ahead: has a spall with rebar exposed. 1LF CS3

Bent 25, girder 4, back: has a spall with exposed rebar. 1LF CS3

Bent 25, girder 1, ahead: has a spall with exposed rebar. 1LF CS3

Bent 26, girders 1 and 4, back: have spalls with exposed rebar. 3LF CS3

Bent 27, girders 1 and 4, back: have spalls with exposed rebar. 3LF CS3

Bent 27, girders 2 and 4, ahead: have spalls with exposed rebar. 3LF CS3

Bent 32, girder 1, back: has a spall with exposed rebar. 1LF CS3

### Remarks

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Concrete Girders  
Spalls with rebar exposed at Spans 3 thru 8, 11 thru 13,  
15 thru 17, 20 thru 26, 28, 32.  
Girder 4, beginning of span 12.



Concrete Girders  
Spalls with rebar exposed at Spans 3 thru 8, 11 thru 13,  
15 thru 17, 20 thru 26, 28, 32.  
Girder 1, Beginning of span 7.



Large spall with rebar exposed to Girder 4 @ BOS 12.



Spalls with rebar exposed to Girder 4 @ BOS 6.



Spalls with rebar exposed to Girder 1 @ BOS 7.



### Maintenance Needs

**Date Reported:** 07/13/2016

**Priority:** D- Routine

**Type of Work:** Miscellaneous

**Status:** Monitor

**Component:** Bridge

---

### Deficiency Description

Concrete Bridge Rail

Cracks and spalls, some with rebar exposed, to rail and or posts at Spans 1, 17 thru 19, 23, 24, 25, 30, 31 & 36

Collision damage to concrete bridge rail post @ Span 23 Left side.

### Remarks

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Collision damage to 1st & 2nd concrete post on Left side  
@ Span 23.



Collision damage to concrete bridge rail post @ Span 23  
Left side.





**01/01/2020**

Collision Damage to 2nd Concrete Post on Left @ Span 23.



**07/26/2022**

Concrete Bridge Rail  
Cracks and spalls, some with rebar exposed, to rail and or posts at Spans 1, 17 thru 19, 23, 24, 25, 30, 31 & 36  
Span 30, post 6.



**01/01/2020**

Span 18 Right. Severe cracking to Post 1.



**01/01/2020**

Cracks @ Spalls to bottom of Post 7 @ EOS 31.





**01/01/2020**

Large spall with rebar exposed to bottom of Post 6 @  
EOS 30 Right.



## 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	Yes
A-58 - Cap Cleaning/Flushing Needed	Yes
A-59 - Joint Repair Needed	Yes
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-65 - Clogged deck drains?	
A-66 - Approach minor pothole/leveling needed	

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

The deck has sealable cracks throughout.

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

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



**A-57 - Girder End and Bearing Painting Needed (Yes)**

Bearings Rust, pack rust, and section loss to all moveable and fixed bearings.



Bearings

Rust, pack rust, and section loss to all moveable and fixed bearings.



Typical condition of Fixed Bearings.



Typical condition of Moveable Bearings.

**A-58 - Cap Cleaning/Flushing Needed (Yes)**

Due to open joints, the caps have debris throughout.



Bent 6

**A-59 - Joint Repair Needed (Yes)**

The joint armor is broken throughout the structure.

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

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

The deck has many areas of sealable cracks, abrasion, and patched areas.

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

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



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

Vegetation growth is widespread.



Bent 8, right



Bent 3 vegetation



Vegetation buildup spans 1- 5.



Tree growing under Left side of bridge @ Span 12.



Heavy vegetation growth on piles & caps.



Heavy vegetation @ Bents 2 through 10 Right side of bridge.





**Asset #01881**(Routine)

**SH 367/Jackson Co. over WHITE RIVER RELIEF**

**Location: 3.10 MI NE INDEP CO**

**Team Lead: Floyd Haley Inspection Date: 09/03/2024**

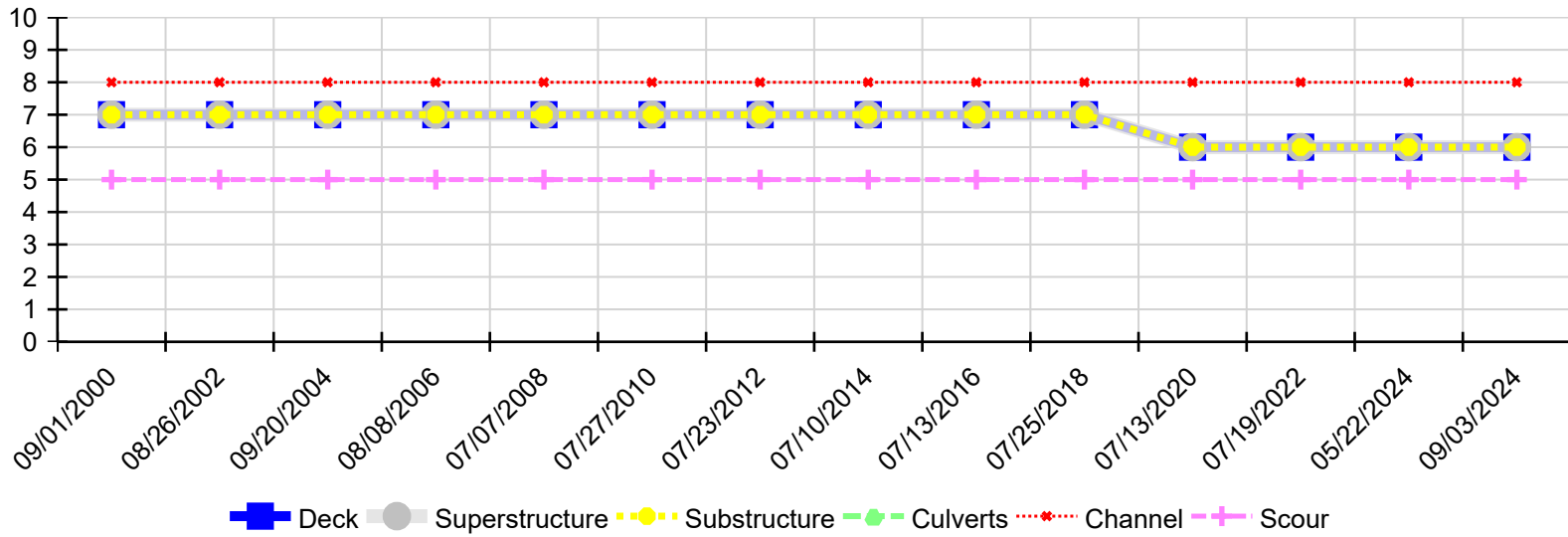
**A-65 - Clogged deck drains?**

**A-66 - Approach minor pothole/leveling needed**





Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/03/2024	6	6	6	N	8	5
05/22/2024	6	6	6	N	8	5
07/19/2022	6	6	6	N	8	5
07/13/2020	6	6	6	N	8	5
07/25/2018	7	7	7	N	8	5
07/13/2016	7	7	7	N	8	5
07/10/2014	7	7	7	N	8	5
07/23/2012	7	7	7	N	8	5
07/27/2010	7	7	7	N	8	5
07/07/2008	7	7	7	N	8	5
08/08/2006	7	7	7	N	8	5
09/20/2004	7	7	7	N	8	5
08/26/2002	7	7	7	N	8	5
09/01/2000	7	7	7	N	8	5