

Bridge 01879 Inspection Report



Latitude:35.57027, Longitude:-91.35564

Route:367 Section:21 Log:1.73

Arnold Road ID:34x367x21xA, Arnold Log mile:1.725

District 05, 67 - Jackson County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

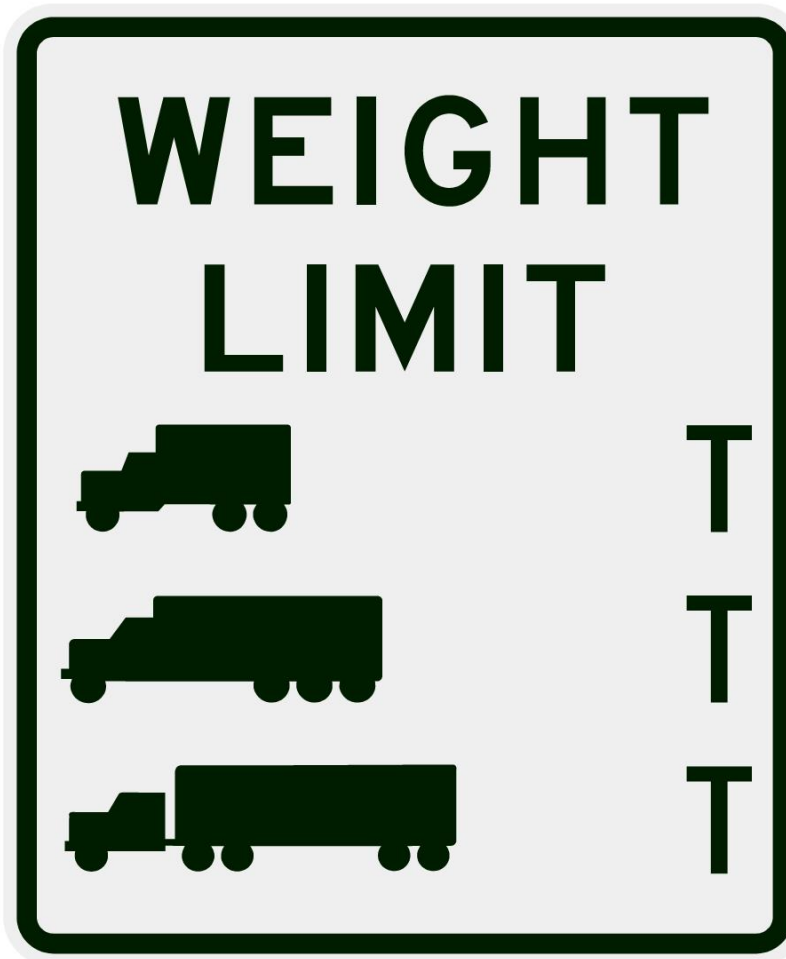
Bridge Posting Information

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

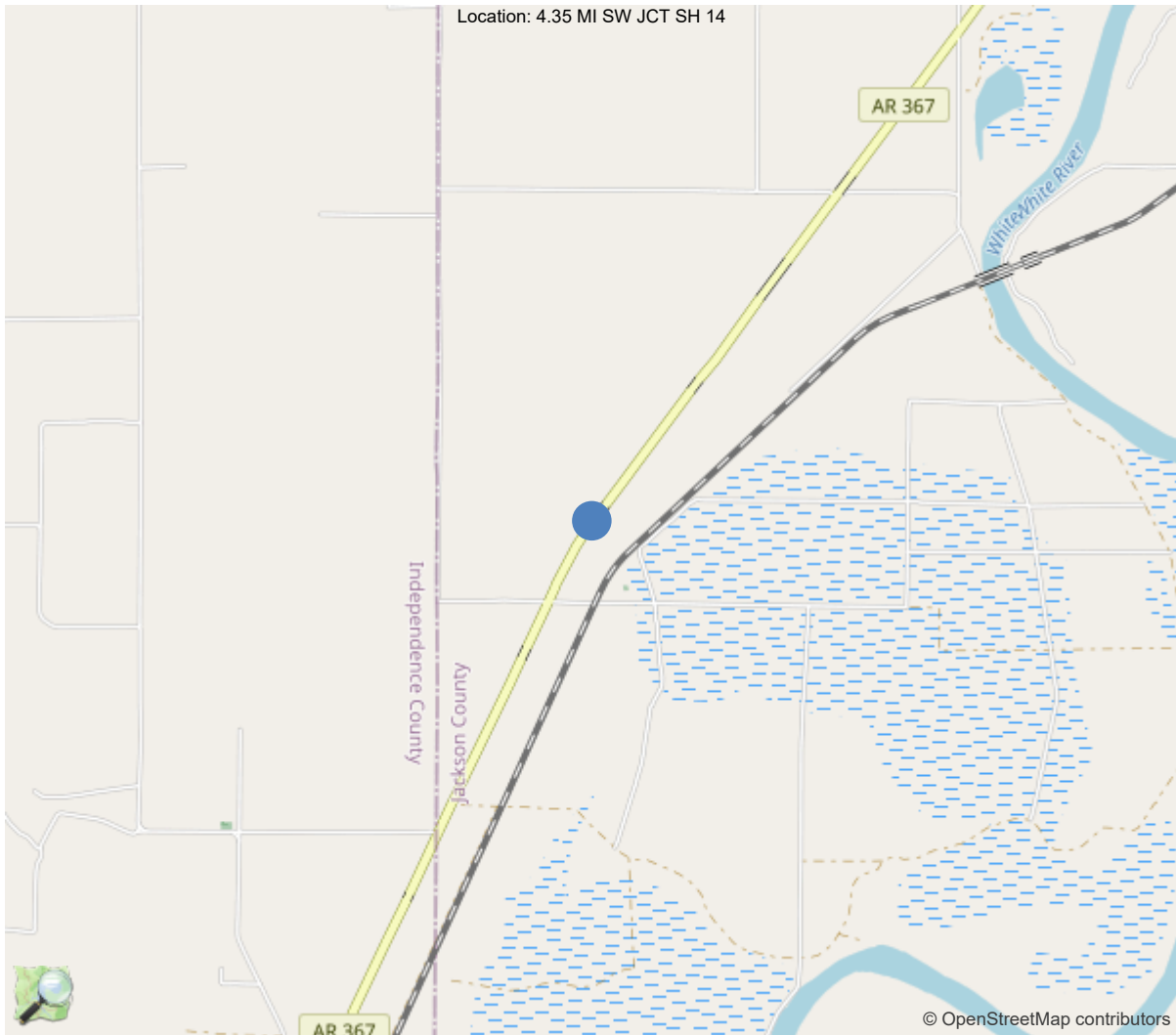
70 - Bridge Posting: 5 - Equal to or above legal loads

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



35.57027, -91.35564

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	01879
(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	4.35 MI SW JCT SH 14
(11) Mile Point	1.73 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.570267
(17) Longitude	-91.355644
(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	16
(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	1936
(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	546 ft
(50) Curb or Sidewalk Width	
Left	0.9 ft
Right	0.9 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	24 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	6
(59) Superstructure	6
(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	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		
<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>			



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

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	01879
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1936

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	35.570267
B.L.06 Longitude	-91.355644
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	4.35 MI SW JCT SH 14
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	545.9
B.G.02 Total Bridge Length	545.9
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	1
B.G.08 Right Curb or Sidewalk Width	1
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	20
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	13970.7

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	
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	7 - GOOD - Some minor defects.
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	6 - SATISFACTORY - Widespread
B.C.06 Bridge Railing Transitions Condition	7 - GOOD - Some minor defects.
B.C.07 Bridge Bearings Cond.	6 - SATISFACTORY - Widespread
B.C.08 Bridge Joints Condition	4 - POOR - Widespread moderate
B.C.09 Channel Condition Rating	7 - GOOD - Some minor defects.
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

SPAN SETS			
M1			
B.SP.02 # of Spans	16	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			
A1			
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
P1			
B.SB.02 No. of Substructure Units	15	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			
H1			
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	23.9
B.H.07 LRS Mile Point	1.73	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 #01879(Routine, Underwater type 2)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 4.35 MI SW JCT SH 14

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

Inspection Notes

General Observation

9/4/2024

Routine and underwater type II inspections were conducted on this date from south to north. The inspection was performed from the channel using waders and with the aid of an unmanned aircraft. Defects were noted and quantified in the report's element section, and all components were rated according to their condition.

Job Number - 1159

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

Overall, the deck was found to be in satisfactory condition. Spalls and patched areas are common throughout, and the deck adjacent to the joints has widespread deterioration. This item was rated a 6 as a result.

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

Overall, the superstructure was found to be in satisfactory condition. The girders have isolated areas of spalling and exposed rebar causing this item to be rated a 6.

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

The substructure was found to be in satisfactory condition with isolated spalling and exposed rebar to members. The sub was rated a 6 as a result.

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)

The channel was found to be in good condition with vegetation protecting the banks and a straight alignment with the structure. This item was rated a 7 as a result.

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

Roadway with Log Mile running Southwest to Northeast.

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

Open joints have allowed debris on caps

A-64 - Vegetation Removal Requested (Y)

Vegetation @ Spans 3, 4, 11, 12 & 13.

B.C.05 Bridge Railing Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

The bridge railing has minor vertical cracks and spalls throughout.

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

Bridge rail transitions are in good condition with only minor surface corrosion.



Asset #01879(Routine, Underwater type 2)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 4.35 MI SW JCT SH 14

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

B.C.07 Bridge Bearings Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

The bearings have corrosion throughout but are in otherwise satisfactory condition.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (7 - Some minor scour.)

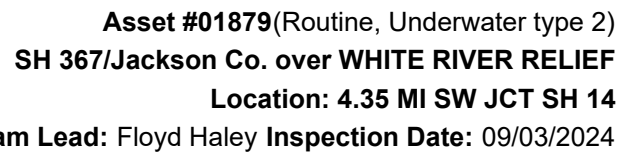
Scour is minor and localized. This item was rated a 7 as a result.

National Bridge Element Quantities and Notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	14032	11791	1362	879	0
1080	Delamination/Spall/Patched Area	SF	433	0	360	73	0
1090	Exposed Rebar	SF	56	0	0	56	0
1120	Efflorescence/Rust Staining	SF	172	0	148	24	0
1130	Cracking (RC and Other)	SF	448	0	144	304	0
1190	Abrasion/Wear (PSC/RC)	SF	1132	0	710	422	0
(16) Deck: Span 1:	Abrasion to gutter lines. 190' CS3						
	Spalls with corroded reinforcing steel exposed. 12' CS3						
	Transverse cracking to deck: 37' CS3						
	Transverse cracking to deck: 20' CS2						
Undersurface: Bay 1:	Efflorescent cracking. 8' CS2						
	Bay 2: Efflorescent cracking. 3' CS2						
	Bay 3: Efflorescent cracking. 14' CS2						
Deck: Span 2: Spalls.	15' CS3						
	Patched areas to deck. 15' CS2						
	Spalls with corroded reinforcing steel exposed. 2' CS3						
	Transverse cracking to deck: 14' CS3						
	Transverse cracking to deck: 9' CS2						
Undersurface: Spalls	with corroded reinforcing steel exposed to Left overhang. 2' CS3						
	Spalls with corroded reinforcing steel exposed to Right overhang. 1' CS3						
	Bay 1: Efflorescent cracking. 2' CS2						
	Bay 2: Efflorescent cracking. 1' CS2						
Deck: Span 3: Abrasion	to Right gutter line. 5' CS3						
	Spalls. 17' CS3						
	Transverse cracking to deck: 5' CS3						
	Transverse cracking to deck: 5' CS2						
Undersurface: Spalls	with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Deck: Span 4: Spall	with corroded reinforcing steel exposed. 1' CS3						
	Transverse cracking to deck: 37' CS3						
	Transverse cracking to deck: 15' CS2						
Undersurface: Bay 2:	Efflorescent cracking. 8' CS2						
	Bay 3: Efflorescent cracking. 2' CS2						
Deck: Span 5: Road	Iron missing at beginning of span. (Causing damage to Joint)						
	Transverse cracking to deck: 11' CS3						
	Transverse cracking to deck: 6' CS2						
Undersurface: Spalls	with corroded reinforcing steel exposed to Left overhang. 1' CS3						
	Delaminated area to Right overhang. 1' CS2						
	Bay 2: Efflorescent cracking. 4' CS2						
Deck: Span 6: Transverse	cracking to deck: 6' CS3						
Undersurface: Spalls	with corroded reinforcing steel exposed to Right overhang. 1' CS3						
Deck: Span 7: Abrasion	to Right gutter line. 20' CS3						
	Spalls. 4' CS3						
Undersurface: Spall	with corroded reinforcing steel exposed to Left overhang. 1' CS3						
Deck: Span 8: Transverse	cracking to deck: 9' CS3						
	Transverse cracking to deck: 6' CS2						
Undersurface: Bay 1:	Efflorescent cracking. 3' CS2						
	Bay 2: Efflorescent cracking. 1' CS2						
Deck: Span 9: Abrasion	to Right gutter line. 5' CS3						

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Spalls with corroded reinforcing steel exposed. 4' CS3 Spalls: 10' CS3 Transverse cracking to deck: 36' CS3 Transverse cracking to deck: 4' CS2 Undersurface: Spalls with corroded reinforcing steel exposed to Left overhang. 1' CS3 Efflorescent cracking with rust stains to Right overhang. 2' CS3 Bay 1: Efflorescent cracking. 8' CS2 Bay 2: Efflorescent cracking. 13' CS2 Bay 3: Efflorescent cracking. 1' CS2 Deck: Span 10: Spalls with corroded reinforcing steel exposed. 1' CS3 Spalls: 8' CS3 Transverse cracking to deck: 12' CS3 Transverse cracking to deck: 9' CS2 Undersurface: Spalls with corroded reinforcing steel exposed to Left overhang. 1' CS3 Spalls with corroded reinforcing steel exposed to Right overhang. 2' CS3 Bay 1: Efflorescent cracking. 1' CS2 Bay 2: Efflorescent cracking. 3' CS2 Bay 3: Efflorescent cracking. 3' CS2 Deck: Span 11: Spalls with corroded reinforcing steel exposed. 8' CS3 Transverse cracking to deck: 3' CS2 Undersurface: Spalls with corroded reinforcing steel exposed to Right overhang. 2' CS3 Deck: Span 12: Spalls. 2' CS3 Transverse cracking to deck: 13' CS3 Transverse cracking to deck: 14' CS2 Undersurface: Spalls with corroded reinforcing steel exposed to Left overhang. 1' CS3 Spall to Left overhang. 1' CS3 Spalls with corroded reinforcing steel exposed to Right overhang. 1' CS3 Deck: Span 13: Spalls. 2' CS3 Transverse cracking to deck: 6' CS3 Transverse cracking to deck: 8' CS2 Undersurface: Bay 1: Efflorescent cracking. 4' CS2 Bay 2: Efflorescent cracking. 4' CS2 Deck: Span 14: Spalls. 12' CS3 Transverse cracking to deck: 83' CS3 Transverse cracking to deck: 22' CS2 Undersurface: Spalls with corroded reinforcing steel exposed to Right overhang. 1' CS3 Bay 1: Efflorescent cracking. 32' CS2 Bay 2: Efflorescent cracking. 27' CS2 Bay 3: Efflorescent cracking. 6' CS2 Deck: Span 15: Abrasion to Right gutter line. 10' CS3 Spalls with corroded reinforcing steel exposed. 8' CS3 Spalls. 4' CS3 Patched areas to deck. 16' CS2 Undersurface: Spalls with corroded reinforcing steel exposed to Right overhang. 2' CS3 Patched area to Left overhang at beginning of span. 1' CS2 Deck: Span 16: Abrasion to gutter lines and centerline. 192' CS3 Patched areas to deck. 124' CS2 Transverse cracking to deck: 35' CS3 Transverse cracking to deck: 23' CS2 Undersurface: Bay 1: Efflorescent cracking with rust stains. 8' CS3 Bay 2: Efflorescent cracking with rust stains. 3' CS3 Bay 3: Efflorescent cracking with rust stains. 13' CS3 General Notes: CS2 Abrasion to deck evident throughout entire surface of deck. Patched areas along joints throughout.						
110	Reinforced Concrete Open Girder/Beam	LF	2176	2145	6	25	0

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1080	Delamination/Spall/Patched Area	LF	12	0	4	8	0
1090	Exposed Rebar	LF	13	0	0	13	0
1120	Efflorescence/Rust Staining	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	5	0	2	3	0
(110) Span 1: Girder 1: Cracking. 1' CS3 Span 2: Girder 1: Spall. 1' CS3 Girder 2: Spall. 1' CS3 Girder 4: Spall at patched area. 1' CS3 Span 3: Girder 1: Spalls. 2' CS3 Girder 1: Delaminated area. 1' CS2 Girder 4: Spall with corroded reinforcing steel exposed. 2' CS3 Girder 4: Spall. 1' CS3 Span 4: Girder 4: Spall with corroded reinforcing steel exposed. 1' CS3 Span 5: Girder 3: Spall with corroded reinforcing steel exposed. 1' CS3 Span 6: Girder 1: Spall with corroded reinforcing steel exposed. 1' CS3 Girder 3: Spalls. 2' CS3 Girder 4: Delaminated area. 1' CS2 Span 7: Girder 1: Minor shear crack to outside of girder. 1' CS3 Span 8: Girder 4: Minor shear crack to outside of girder. 1' CS3 Span 9: Girder 2: Spall with corroded reinforcing steel exposed. 1' CS3 Girder 3: Spall with corroded reinforcing steel exposed. 1' CS3 Girder 4: Spall with corroded reinforcing steel exposed. 1' CS3 Span 10: Girder 1: Efflorescence. 1' CS3 Span 11: Girder 4: Cracking: 2' CS2 Span 12: Girder 1: Girder 1: Spall with corroded reinforcing steel exposed. 1' CS3 Girder 4: Delaminated area. 1' CS2 Span 14: Girder 4: Delaminated area. 1' CS2 Span 15: Girder 2: Spalls with corroded reinforcing steel exposed. 2' CS3 Girder 4: Spall with corroded reinforcing steel exposed. 1' CS3 Span 16: Girder 4: Spall with corroded reinforcing steel exposed. 1' CS3							
215	Reinforced Concrete Abutment	LF	64	2	56	6	0
1080	Delamination/Spall/Patched Area	LF	2	0	0	2	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	1	0	0	1	0
1130	Cracking (RC and Other)	LF	3	0	1	2	0
4000	Settlement	LF	55	0	55	0	0
(215) Abutment 1 has rotated ahead closing joint. Abutment 1: Right: Efflorescent cracking. 1' CS3 Abutment 1: Right: Cracking. 4' CS3 Abutment 1: Left: Spalls. 2' CS3 Abutment 1: Column 2: Spalls with corroded reinforcing steel exposed. 1' CS2 Abutment 2 has rotated back closing joint. Abutment 2: Bay 2: Cracking to backwall. 1' CS2							
227	Reinforced Concrete Pile	EA	75	65	6	4	0
1090	Exposed Rebar	EA	2	0	0	2	0
1130	Cracking (RC and Other)	EA	3	0	1	2	0



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
6000	Scour	EA	5	0	5	0	0
(227) Bent 2: Pile 2: Vertical cracking to top of pile. 1ea CS3 Pile 4: Vertical cracking to top of pile. 1ea CS2 Pile 5: Horizontal and vertical cracking. 1ea CS3 Bent 4: Pile 1: Spall with corroded reinforcing steel exposed. 1ea CS3 Pile 4: Spall with corroded reinforcing steel exposed. 1ea CS3 Bent 6: Piles 1 - 5: Local scour. 5ea CS2							
234	Reinforced Concrete Pier Cap	LF	338	326	4	8	0
1090	Exposed Rebar	LF	4	0	0	4	0
1120	Efflorescence/Rust Staining	LF	3	0	1	2	0
1130	Cracking (RC and Other)	LF	5	0	3	2	0
(234) Bent 1: Backside: Vertical cracking above Pile 2. 1' CS2 Bent 2: Backside: Vertical crack with rust stains near Girder 2. 1' CS3 Bent 5: Backside Left: Cracking. 1' CS3 Bent 5: Ahead side Right: Cracking. 1' CS3 Bent 5: Ahead side Right: Diagonal efflorescent cracking. 2' CS2 Bent 5: Spall with corroded reinforcing steel exposed to bottom of cap at Pile 4. 1'CS3 Bent 12: Spall with corroded reinforcing steel exposed to bottom of cap between Piles 3 and 4. 2'CS3 Bent 14: Spall with corroded reinforcing steel exposed to bottom of cap at Pile 4. 1'CS3 Bent 14: Backside: Cracking. 2' CS2							
303	Assembly Joint with Seal	LF	24	24	0	0	0
304	Open Expansion Joint	LF	384	319	50	15	0
2360	Adjacent Deck or Header	LF	65	0	50	15	0
(304) Areas of spalling along joints.							
311	Movable Bearing	EA	64	0	2	62	0
1000	Corrosion	EA	38	0	0	38	0
1020	Connection	EA	26	0	2	24	0
515	Steel Protective Coating	SF	128	0	0	0	128
3440	Effectiveness (Steel Protective Coatings)	SF	128	0	0	0	128
(311) Bent 1: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 2: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 3: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 4: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 5: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 6: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 7: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 8: Bearing 1: Corrosion. 1EA CS3 Bent 8: Bearings 2, 3 and 4: Connection. 3EA CS3 (have anchor bolts missing) Bent 9: Bearing 1: Connection. 1EA CS3 (Non-Bearing) Bent 9: Bearings 2 and 3: Connection. 2EA CS3 (have anchor bolts missing) Bent 9: Bearing 4: Corrosion. 1EA CS3 Bent 10: Bearings 1 - 4: Connection. 4EA CS3 (have anchor bolts missing) Bent 11: Bearings 2 - 4: Connection. 3EA CS3 (have anchor bolts missing) Bent 11: Bearing 1: Corrosion. 1EA CS3 Bent 12: Bearings 1 - 4: Connection. 4EA CS3 (have anchor bolts missing)							



Asset #01879(Routine, Underwater type 2)

SH 367/Jackson Co. over WHITE RIVER RELIEF

Location: 4.35 MI SW JCT SH 14

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

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Bent 13: Bearings 1 - 3: Connection. 3EA CS3 (have anchor bolts missing) Bent 13: Bearing 4: Connection. 1EA CS3 (Non-Bearing) Bent 14: Bearing 1: Connection. 1EA CS3 (Non-Bearing) Bent 14: Bearings 2 - 4: Connection. 3EA CS2 (have anchor bolt nuts missing) Bent 15: Bearings 1, 2 and 4: Corrosion. 3EA CS3 Bent 15: Bearing 3: Connection. 1EA CS3 (Anchor bolt missing) General note: All Moveable Bearings have rust and pack rust. (515-311) The paint on bearings has failed throughout.							
313	Fixed Bearing	EA	64	0	0	64	0
1000	Corrosion	EA	46	0	0	46	0
1020	Connection	EA	18	0	0	18	0
515	Steel Protective Coating	SF	128	0	0	0	128
3440	Effectiveness (Steel Protective Coatings)	SF	128	0	0	0	128
(313) Abutment 1: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 1: Bearing 1: Connection. 1EA CS3 (Non-Bearing) Bent 1: Bearings 2 - 4: Corrosion. 3EA CS3 Bent 2: Bearing 1: Connection. 1EA CS3 (Non-Bearing) Bent 2: Bearings 2 - 4: Corrosion. 3EA CS3 Bent 3: Bearing 2: Connection. 1EA CS3 (Non-Bearing) Bent 3: Bearings 1, 3 and 4: Corrosion. 3EA CS3 Bent 4: Bearings 1 - 4: Connection. 4EA CS3 (Non-Bearing) Bent 5: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 6: Bearings 2 and 4: Corrosion. 2EA CS3 Bent 6: Bearings 1 and 3: Connection. 2EA CS3 (Non-Bearing) Bent 7: Bearings 1 and 2: Corrosion. 2EA CS3 Bent 7: Bearing 3: Connection. 1EA CS2 (anchor bolt nut missing) Bent 7: Bearing 4: Connection. 1EA CS3 (Non-Bearing) Bent 8: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 9: Bearing 3: Connection. 1EA CS2 (anchor bolt nut missing) Bent 9: Bearings 1, 2 and 4: Corrosion. 3EA CS3 Bent 10: Bearings 1 - 4: Corrosion. 4EA CS3 Bent 11: Bearings 1 - 3: Connection. 3EA CS2 (anchor bolt nut missing) Bent 11: Bearing 4: Corrosion. 1EA CS3 Bent 12: Bearings 1 - 4: Connection. 4EA CS3 (have anchor bolts missing) Bent 13: Bearings 2 - 4: Connection. 3EA CS2 (anchor bolt nuts missing) Bent 13: Bearing 1: Corrosion. 1EA CS3 Bent 14: Bearing 1: Connection. 1EA CS3 (Non-Bearing) Bent 14: Bearings 2 - 4: Connection. 3EA CS2 (anchor bolt nuts missing) Bent 15: Bearings 1 - 4: Corrosion. 4EA CS3 Abutment 2: Bearings 1 - 4: Corrosion. 4EA CS3 General note: All Fixed Bearings have rust and pack rust. (515-313) The paint on bearings has failed throughout.							
331	Reinforced Concrete Bridge Railing	LF	1092	1053	0	39	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1090	Exposed Rebar	LF	2	0	0	2	0

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130	Cracking (RC and Other)	LF	5	0	0	5	0
7000	Damage	LF	28	0	0	28	0
(331) Bridge railing: has cracking, spalling, damage and deterioration in various locations throughout.							

Inspection Photos and Notes



09/05/2024

Elevation



07/25/2022

Vegetation @ Spans 4, 11, 12 & 13.
Span 4.



07/25/2022

Vegetation @ Spans 11, 12 & 13.



09/04/2024

Bent 5, p1



Span 6, g1, eos



Span 12 left overhang. 1ft rebar 1ft spall



Vegetation span 12



Span 14



Bent 15, ahead, g2: exp rebar



Bent 15 tween piles 3 and 4. 1ft exp rebar



Bent 15 bearings. All cs3



Bent 15



Bent 2, pile 2: heavy vertical cracks



Bent 2, back,g2 crack with rust



Typical piles



Span 2, bent 2, bay 2: spall



Span 2, left: 2ft rebar



Typical undersurface



Abutment 1 backwall, center: cracking 4ft exp. Rebar 2'



Abutment 1, bearing 2. Heavy corrosion.all have cs3 corrosion. This is worst case



Typical cs3 eff. Undersurface



Abutment 1 left. 2ft spall and large crack



Abutment 1, g1. Spall 1ft



Abutment 1, rotation



Bent 15



The bridge railing has minor vertical cracks and spalls throughout.



Bridge rail transitions are in good condition with only minor surface corrosion.



Span 16



Bent 15



Bent 15



Bent 13



Bent 11



Bent 10



Bent 9



Bent 8, left. 4ft rebar



Bent 8



Bent 6, joint armor is cracked and broken in numerous places. Loud when cars pass. Bent 7 similar



Span 6, right



Bent 5 is cracked and sounding when cars pass



Bent 4, 3 is similar



Bent 4



Bent 3 ahead.



Bent 3. No joint armor ahead side



Deck at bent 2 has spalling on both sides of joint with exposed rebar and unsound patches. 2ft cs3 rebar. 2x 15 cs3 spalling/patch. Right gutter has 1x2 spall at bos 3



Typical transverse cracks



Bent 1. Joint is open, road armor is broken for 15ft



Typical abrasion in gutters



Abutment 1. The deck is spalled adjacent to the headwall with exposed rebar throughout. 9sf rebar. Remaining deck width x1' spalled



Typical deck



Span to N



Abutment 1, left. Settlement and erosion at curb

Maintenance Needs

Date Reported: 07/03/2016

Priority: B - Pressing

Status: Assigned

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

Component:

Deficiency Description

Bearings that are non-bearing:

Bent 1 - Fixed Brg. 1

Bent 2 - Fixed Brg. 1 & 4 Moveable Brg. 1

Bent 3 - Fixed Brg. 2, 3

Bent 6 - Fixed Brg. 1, 3

Bent 7 - Fixed Brg. 4

Bent 9 - Moveable Brg. 1

Bent 14 - fixed brg 1 & 4 moveable brg 1

Remarks



Bent 6 - Fixed Brg. 1, 3
Fixed brg 1.



Bent 14 - fixed brg 1 & 4



Fixed Bearing 2 @ BOS 4 is non bearing.



Bearings that are non-bearing:
Bent 1 - Fixed Brg.1



Bent 2 - Fixed Brg. 1 & 4 Moveable Brg. 1
Fixed brg 1



Bent 2 - Fixed Brg. 1 & 4 Moveable Brg. 1
Moveable brg 1.



Bent 2 - Fixed Brg. 1 & 4 Moveable Brg. 1
Fixed brg 4.



Bent 3 - Fixed Brg. 2, 3
Fixed brg 2.

Maintenance Needs

Date Reported: 09/04/2024

Priority: C - Important

Type of Work: Substructure Repair

Status: Open

Component: Substructure

Deficiency Description

Abutment 1: has rotated ahead with settlement at the approach.

Remarks



Abutment 1: has rotated ahead with settlement at the approach.



Abutment 1: has rotated ahead with settlement at the approach.

Maintenance Needs

Date Reported: 07/21/2016

Priority: D- Routine

Status: Monitor

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

Component:

Deficiency Description

Unsealed transverse cracks to deck @ all spans.
Spalls and delaminated areas along all joints.
Spalls with rebar exposed to joint @ BOS 11.

Remarks



Unsealed transverse cracks to deck @ all spans.



Patched area has spalls with rebar exposed @ BOS 11
Left lane.



Spalls and delaminated areas along joints @ EOS 4 &
BOS 5



Unsealed transverse cracking to Deck @ Span 5.



Spalls and delaminated areas along all joints.
Abutment 1.



Spalls with rebar exposed to joint @ BOS 11.

Maintenance Needs

Date Reported: 07/21/2016

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Spalls with rebar exposed to caps at Bents 5, 12 & 14.

Remarks



Spall with rebar exposed to bottom of Cap between Piles 3 & 4 @ Bent 14.



Spall with rebar exposed to bottom of Cap between Piles 3 & 4 @ Bent 12.



Spalls with rebar exposed to caps at Bents 5, 12 & 14.
Bent 5, between piles 4 & 5.



Spalls with rebar exposed to caps at Bents 5, 12 & 14.
Bent 14 between piles 3 & 4.

Maintenance Needs

Date Reported: 07/21/2016

Priority: D- Routine

Status: Monitor

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

Component:

Deficiency Description

Spalls with rebar exposed to girders at Spans 3, 4, 5, 6, 9, 12, 15 & 16.

Remarks



Spalls with rebar exposed to Girder 4 @ EOS 3.



Spall with rebar exposed to Girder 4 @ BOS 16 Right.



Girder 4 at beginning of Span 9 spalled with 12" of exposed rebar.



Spalls with rebar exposed to girders at Spans 3, 5, 6, 9, 15 & 16.
Girder 4, end of span 3.



Spalls with rebar exposed to girders at Spans 3, 4, 5, 6, 9, 15 & 16.

Girder 4, end of span 4.



Spalls with rebar exposed to girders at Spans 3, 4, 5, 6, 9, 15 & 16.

Girder 1, End of span 6.



Spalls with rebar exposed to girders at Spans 3, 4, 5, 6, 9, 15 & 16.

Girder 4, beginning of span 9.



Spalls with rebar exposed to girders at Spans 3, 4, 5, 6, 9, 15 & 16.

Girders 2 & 3. End of span 9.

Maintenance Needs

Date Reported: 07/21/2016

Priority: D- Routine

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

Status: Monitor

Component:

Deficiency Description

Approach roadway at Abutment 2 has erosion 8" below and 8' back under roadway.

Remarks



Approach roadway at Abutment 2 has erosion 8" below and 8' back under roadway.



Approach roadway at Abutment 2 has erosion 8" below and 8' back under roadway.



Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
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	Yes
A-59 - Joint Repair Needed	Yes
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
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 (No)

A-55 - Deck Washing Needed (No)

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

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

A-58 - Cap Cleaning/Flushing Needed (Yes)
Open joints have allowed debris on caps

A-59 - Joint Repair Needed (Yes)



Bent 5 is cracked and sounding when cars pass



Bent 4, 3 is similar

A-60 - Full Girder Painting Needed (No)

A-61 - Polymer Overlay Advised (No)

A-62 - Hydro and LMC Advised (No)

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

A-64 - Vegetation Removal Requested (Yes)

Vegetation @ Spans 3, 4, 11, 12 & 13.



Vegetation @ Spans 4, 11, 12 & 13.
Span 4.



Vegetation @ Spans 11, 12 & 13.



Vegetation span 12



Bent 15

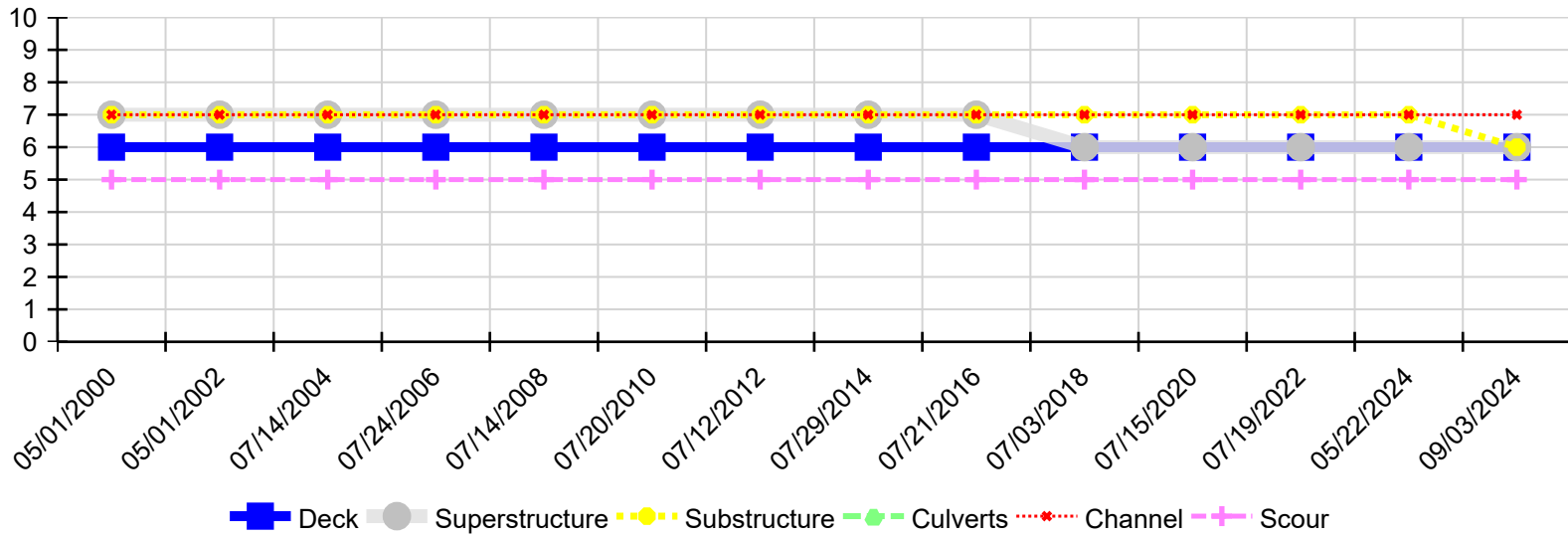
A-65 - Clogged deck drains?

A-66 - Approach minor pothole/leveling needed

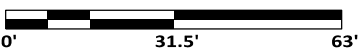
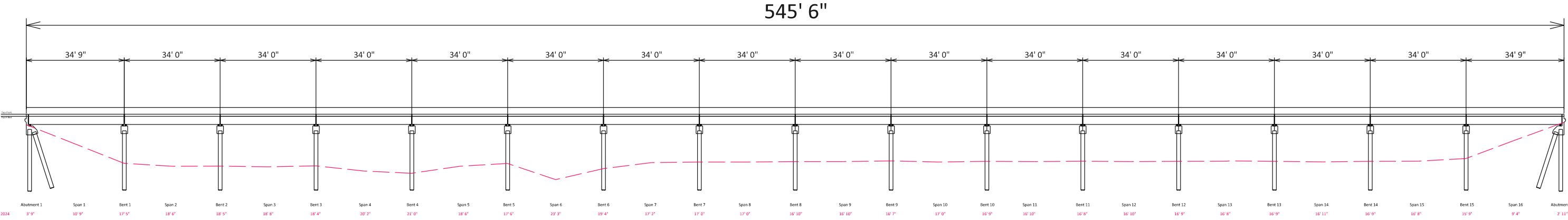


Asset #01879(Routine, Underwater type 2)
SH 367/Jackson Co. over WHITE RIVER RELIEF
Location: 4.35 MI SW JCT SH 14
Team Lead: Floyd Haley Inspection Date: 09/03/2024

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/03/2024	6	6	6	N	7	5
05/22/2024	6	6	7	N	7	5
07/19/2022	6	6	7	N	7	5
07/15/2020	6	6	7	N	7	5
07/03/2018	6	6	7	N	7	5
07/21/2016	6	7	7	N	7	5
07/29/2014	6	7	7	N	7	5
07/12/2012	6	7	7	N	7	5
07/20/2010	6	7	7	N	7	5
07/14/2008	6	7	7	N	7	5
07/24/2006	6	7	7	N	7	5
07/14/2004	6	7	7	N	7	5
05/01/2002	6	7	7	N	7	5
05/01/2000	6	7	7	N	7	5



ARKANSAS STATE HIGHWAY COMMISSION
Little Rock, ARK.

Scale 1"=31.5'

Inspection Dir: S to N

Channel Flow: W to E

BRIDGE NO.

01879

Drawn By: ZBA

Checked By: Edit

Project: Chan_Prof

Date: 20240905

