

Bridge 03254 Inspection Report



Latitude:36.41862, Longitude:-91.13521

Route:93 Section:01 Log:5.78

Arnold Road ID:61x93x1xA, Arnold Log mile:5.766

District 10, 121 - Randolph County

Owner: 1 - State Highway Agency

Inspection Direction: 3 - E to W

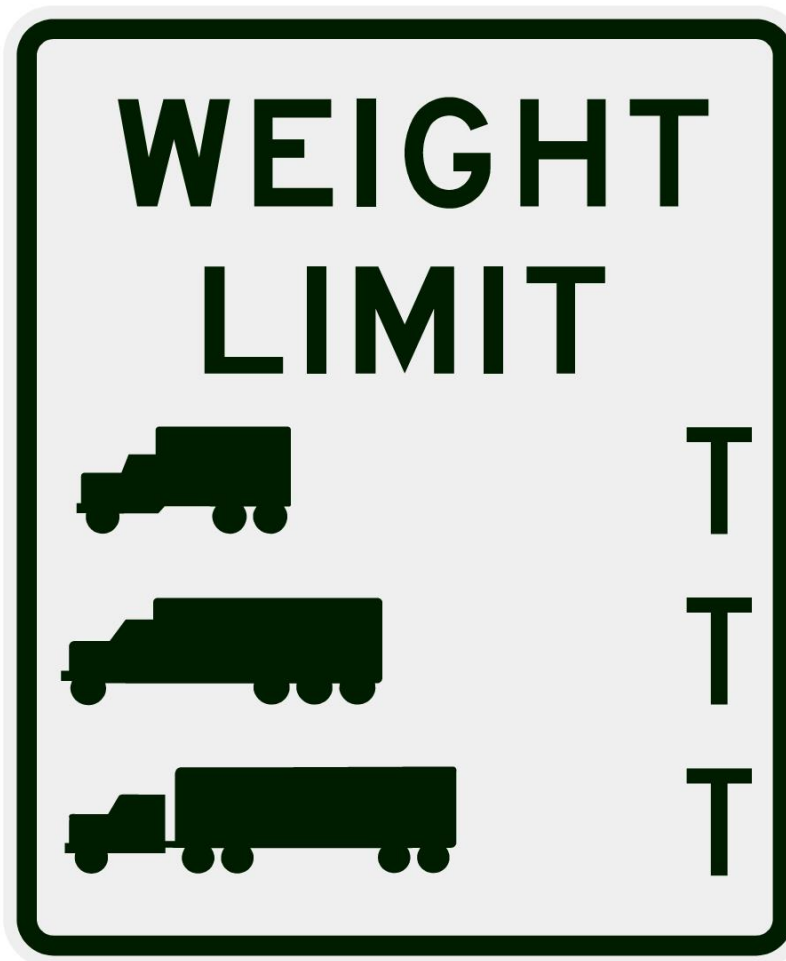
Bridge Posting Information

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

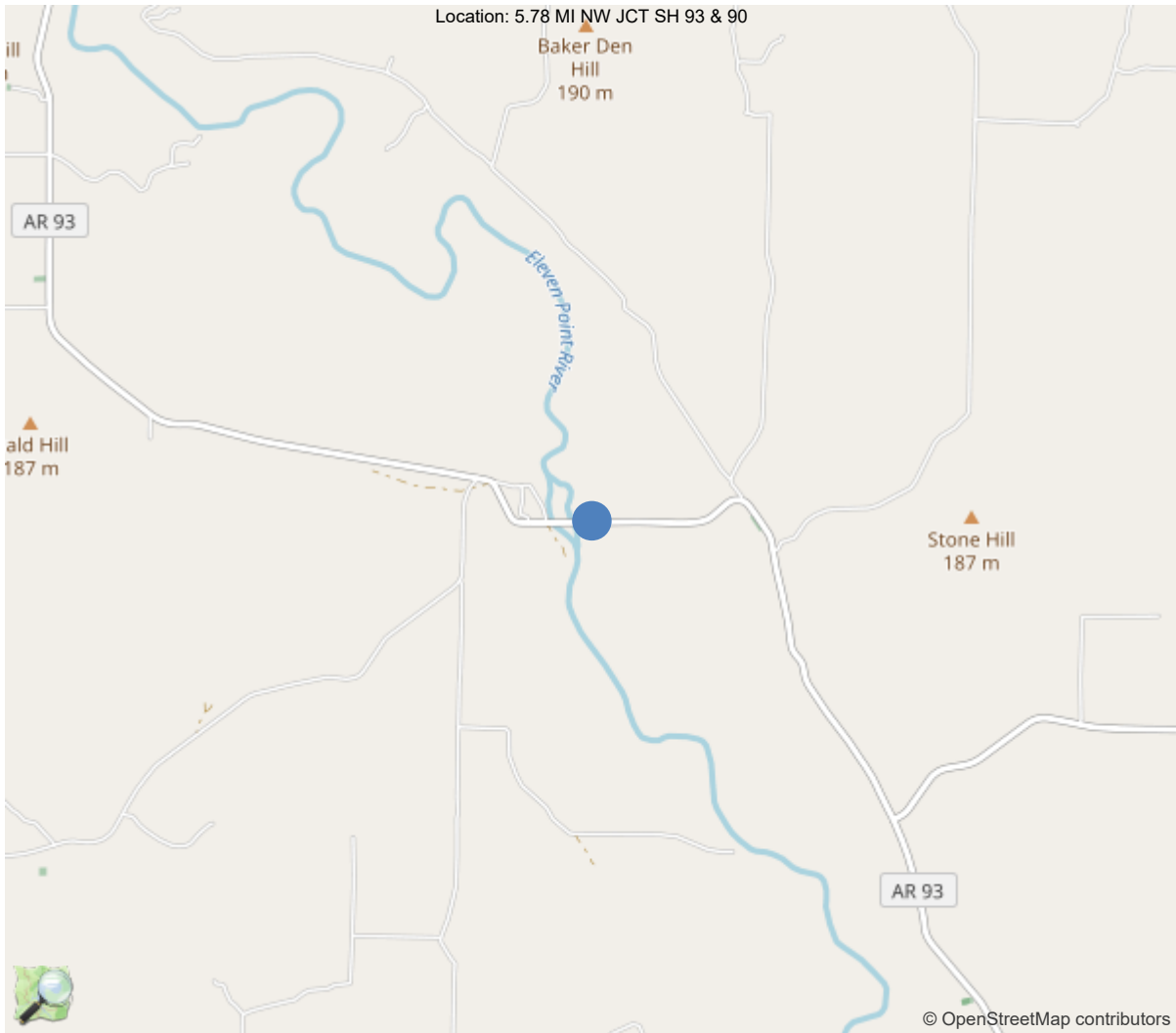
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	32		
Code 9 (31 Tons)	34		
Code 5 (40 Tons)	40		

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



36.41862, -91.13521

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	03254
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	121 - Randolph County
(4) Place Code	0
(6) Features Intersected	ELEVEN POINT RIVER
(7) Facility Carried	SH 93-01- LM 5.78
(9) Location	5.78 MI NW JCT SH 93 & 90
(11) Mile Point	5.78 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	36.41862
(17) Longitude	-91.13521
(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	10
(46) No. of Approach Spans	8
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1960
(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	920
(30) Year of ADT	2024
(109) Truck ADT	%
(19) Bypass, Detour Length	14 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	75 ft
(49) Structure Length	1152.2 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	28.5 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	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	3 - Bridge is possibly eligible
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	40
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	24
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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 to
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	0
(114) Future ADT	733
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			09/10/2025
(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: Richard Jones, Inspection Date: 09/10/2025

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	03254
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1960

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	121 - Randolph County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	10 - District 10
B.L.05 Latitude	36.41862
B.L.06 Longitude	-91.13521
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	5.78 MI NW JCT SH 93 & 90
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	1147.5
B.G.02 Total Bridge Length	1152.2
B.G.03 Max Span Length	75.1
B.G.04 Min Span Length	50
B.G.05 Bridge Width Out-to-Out	28.5
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	34.1

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	23
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	32837.700000000004

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	0.67
B.LR.06 Operating Load Rating Factor	1.11
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	Bridge does not carry routine permi

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	N - NSTM inspection not required.
B.IR.02 Fatigue Details	Y - E/E' details are present
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	5 - FAIR - Some moderate defec
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	7 - GOOD - Some minor defects.
B.C.06 Bridge Railing Transitions Condition	N - NOT APPLICABLE - Component
B.C.07 Bridge Bearings Cond.	5 - FAIR - Some moderate defec
B.C.08 Bridge Joints Condition	5 - FAIR - Some moderate defec
B.C.09 Channel Condition Rating	6 - SATISFACTORY - Widespread
B.C.10 Channel Protection Condition	6 - SATISFACTORY - Widespread
B.C.11 Scour Condition Rating	6 - Widespread minor or isolat
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	5 - FAIR - Some moderate defec
B.C.14 NSTM Insp. Condition	N - NOT APPLICABLE - Component
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	0 - Scour appraisal has not been co
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: Richard Jones, **Inspection Date:** 09/10/2025

SPAN SETS			
M1			
B.SP.02 # of Spans	10	B.SP.08 Deck Interaction	CU - Composite - unshored cons
B.SP.03 # of Beam Lines	5	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	B01 - Bituminous (asphalt)
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G02 - Girder/beam - I-shaped s	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	C01 - Coating - paint	B.SP.13 Deck Stay-In-Place Forms	0 - None
A1			
B.SP.02 # of Spans	8	B.SP.08 Deck Interaction	NC - Non-composite
B.SP.03 # of Beam Lines	5	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	B01 - Bituminous (asphalt)
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G02 - Girder/beam - I-shaped s	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	C01 - Coating - paint	B.SP.13 Deck Stay-In-Place Forms	0 - None
SUBSTRUCTURE SETS			
A1			
B.SB.02 No. of Substructure Units	1	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	F02 - Footing - on rock
B.SB.04 Substructure Type	A03 - Abutment - open/spill th	B.SB.07 Foundation Protective System	0 - None
A2			
B.SB.02 No. of Substructure Units	1	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	P01 - Pile - steel H-shape
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
P1			
B.SB.02 No. of Substructure Units	6	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	P01 - Pile - steel H-shape
B.SB.04 Substructure Type	B03 - Bent - pile	B.SB.07 Foundation Protective System	C01 - Coating - paint
P2			
B.SB.02 No. of Substructure Units	11	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	F02 - Footing - on rock
B.SB.04 Substructure Type	P04 - Pier - multiple column w	B.SB.07 Foundation Protective System	0 - None

Team Lead: Richard Jones, Inspection Date: 09/10/2025

HIGHWAY FEATURES

H1			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	650
B.F.03 Feature Name	SH 93-01- LM 5.78	B.H.10 Annual ADTT	6
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	5.78	B.H.17 Bypass Detour Length	14
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	93	2-T - TEMP - Two-way traffic - NS or EW	3 - State route	1 - Mainline

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	Eleven Point River	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 #03254(Routine, Underwater type 2)

SH 93-01- LM 5.78 over ELEVEN POINT RIVER

Location: 5.78 MI NW JCT SH 93 & 90

Team Lead: Richard Jones Inspection Date: 09/10/2025

Inspection Notes

General Observation

Inspected with Aspen A52. Lane closure and traffic control performed by Randolph County maintenance crew. Soundings taken from both sides of structure with weighted tape.

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

Deck is in mostly satisfactory condition.

Top has several patched areas through wearing surface, especially along gutters.

Undersurface has several areas of efflorescence or rust stained cracks and a few scattered spalls with exposed rebar.

Overhangs have several spalls with exposed rebar.

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

Superstructure is in overall satisfactory condition.

Girders were cleaned and painted under contract 100374 in 1996, but several ends of girders have active corrosion, some with areas of section loss.

60 - Substructure (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

Substructure is in overall fair condition.

Caps have widespread moderate deterioration.

Approach bent steel piles have areas of section loss at connection to cap.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

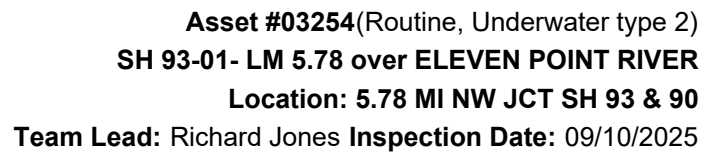
Main channel splits and goes under bridge at spans 9 - 11 and spans 16 - 17 during normal to low flows with an island in between these spans.

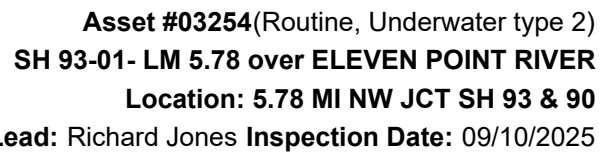
Bent 17 has drift buildup.

Span 18 embankment has minor to moderate embankment erosion at bent 18.

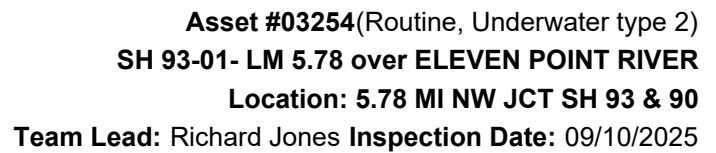
A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6 - Widespread minor or isolated moderate scour.)

Past scour at approach span bents was backfilled with rip rap sometime in the past.

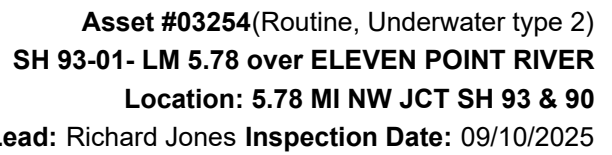




ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(Totals: 38' CS2, 39' CS3) Span 1 bent 2 girder 3 has a 3" x 1" hole in web below haunch. CS3 Span 4 bent 5 girder 1 has a 4' area on bottom flange rusted with section loss. CS3 Span 4 bent 5 bay 2 diaphragm has a 10" x 5" hole. CS3 Span 7 Girder 5 Right side top flange is separating from deck Span 7 bent 8 girder 1 has 1' area on bottom flange rusted with minor section loss. CS3 Span 7 bent 8 girder 2 has a 1" diameter hole in web below haunch. CS3 Span 18 bent 18 girder 3 has a 4" x 1" hole below haunch. CS3 (515-107) Steel protective coating has areas of peeling paint. 60' CS2, 32' CS3 Girder ends have areas of corrosion with paint ineffectiveness. Approximately 1% CS2, 1% CS3 Steel protective coating has areas of ineffectiveness. Approximately 3% CS3							
205	Reinforced Concrete Column	EA	22	4	2	16	0
1080	Delamination/Spall/Patched Area	EA	4	0	1	3	0
1090	Exposed Rebar	EA	9	0	1	8	0
1130	Cracking (RC and Other)	EA	5	0	0	5	0
(205) Columns have scattered areas of deterioration: delam 1 CS2 spall 3 CS3 rebar 1 CS2, 8 CS3 cracks 5 CS3							
210	Reinforced Concrete Pier Wall	LF	222	219	0	3	0
1010	Cracking	LF	2	0	0	2	0
1090	Exposed Rebar	LF	1	0	0	1	0
(210) Bent 13 pier wall near mid vertical cracks. 2' CS3. Bent 14 pier wall has 1' spall with exposed rebar CS3.							
215	Reinforced Concrete Abutment	LF	66	66	0	0	0
(215) Abutments are in overall good condition.							
225	Steel Pile	EA	30	0	18	12	0
1000	Corrosion	EA	28	0	16	12	0
7000	Damage	EA	2	0	2	0	0
515	Steel Protective Coating	SF	1223	917	0	0	306
3440	Effectiveness (Steel Protective Coatings)	SF	306	0	0	0	306
(225) Steel piles at bents 2 – 7 have rust with areas of initial to measurable section loss near ground line and at bottom of cap. Several steel piles have had areas of section loss below cap have filled with weld in the past. (total corrosion 16 CS2, 12 CS3) Bents 2 – 7 have rip rap placed around piles from past flooding. Bent 2 pile 2 has corrosion and pack rust at connection to cap. CS3 Bent 2 pile 3 back Rt flange knife edged at connection to cap CS3 Bent 2 pile 3 has had collision damage in the past. Flange is bent with a ½" tear at edge. CS2 Bent 3 pile 2 has had collision damage 1' ground line in the past. Flange is bent with a 1" tear at edge. CS2 Bent 4 pile 1 Lt back flange 1/8" deep section loss CS3 Bent 5 pile 1 has 1" hole on edge of back Lt flange CS3 Bent 6 Pile 5 back flange has a 2" x 1/2" hole CS3 Bent 7 Pile 4 back flange has a 1" x 1/2" hole CS3							



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Bent 7 Pile 5 back flange has a 3" x 1/2" hole CS3 (515-225) Steel protective coating has areas of ineffectiveness. 306' CS4							
234	Reinforced Concrete Pier Cap	LF	438	204	42	192	0
1080	Delamination/Spall/Patched Area	LF	55	0	10	45	0
1090	Exposed Rebar	LF	33	0	6	27	0
1120	Efflorescence/Rust Staining	LF	7	0	0	7	0
1130	Cracking (RC and Other)	LF	139	0	26	113	0
(234) Caps at main spans have several areas of moderate deterioration: delam 4' CS2 spalls 13' CS3 exposed rebar 6' CS2, 8' CS3 Caps have several wide horizontal cracks 4" - 8" below top of cap. 15' CS2, 96' CS3 Caps have several areas of moderate abrasion and shallow spalls. Caps have several wide horizontal cracks 4" - 8" below top of cap and delaminated areas near corners and a few spalls with exposed rebar. delam/spall 6' CS2, 32' CS3 rebar 19' CS3 rust stain 7' CS3 cracks 11' CS2, 17' CS3							
305	Assembly Joint without Seal	LF	456	189	36	125	106
2370	Metal Deterioration or Damage	LF	267	0	36	125	106
(305) Slide plates have several sections that have been removed. 106' CS4 Slide plates have several areas that are loose. 28' CS3 Majority of joint slide plates are loose. Plates have been removed or partially removed at bents 3 ,6, 7 and 18. 36' CS2, 97' CS3							
311	Movable Bearing	EA	90	0	0	90	0
1000	Corrosion	EA	90	0	0	90	0
(311) Moveable bearings have pack rust and section loss. 50 CS3 A few anchor bolts and nuts are missing. Several rocker pins at main spans have section loss. (up to 1/8") Span 8 bent 9 bearing 4 is rusted with heavy section loss. Span 8 bent 9 bearing 5 has pack rust. Rocker pin has up to 1/8" section loss. Span 9 bent 10 bearing 4 has heavy section loss. Span 15 bent 16 bearing 1 rocker pin has up to 1/8" section loss. Span 15 bent 16 bearing 2 masonry plate left side has shifted ahead up to 1/4". Span 15 bent 16 bearing 4 has both anchor bolts missing. Majority of bearings have heavy pack rust and section loss. A few anchor bolts and nuts are missing. 40 CS3 Several bearings have up to 1/8" of pack rust between bearings and masonry plates.							
313	Fixed Bearing	EA	90	0	0	90	0
1000	Corrosion	EA	90	0	0	90	0
(313) Fixed bearings have pack rust and section loss, 50 CS3: Span 12 bent 12 bearing 4 has up to a 1/4" gap between bearing and masonry plate. Bent 16 and 17 ahead bearing 2 pushed back with 1/4" gap on ahead side. Span 17 bent 17 bearings 1, 2, and 3 pushed back with up to 1/4" gap on ahead side. Span 17 bent 17 bearing 3 has up to 1/8" gap between cap and bearing.							



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Majority of bearings have heavy pack rust and section loss. A few anchor bolts and nuts are missing. 40 CS3 Several bearings have up to 1/8" of pack rust between bearings and masonry plates.							
330	Metal Bridge Railing	LF	2300	1940	345	15	0
1000	Corrosion	LF	345	0	345	0	0
7000	Damage	LF	15	0	0	15	0
515	Steel Protective Coating	SF	7360	6256	0	1104	0
3440	Effectiveness (Steel Protective Coatings)	SF	1104	0	0	1104	0
(330) A few bridge rail posts are cracked/spalled at overhangs from collision damage. 15' CS3 Rails have scattered freckled rust. 15% CS2 A few bridge rail posts are cracked/spalled at overhangs from collision damage. A few posts and overhangs have patched areas. Rails have scattered freckled rust. Approximately 15% CS2 (515-330) Steel protective coating has approximately 15% deterioration. CS3 Steel protective coating has areas of ineffectiveness. Approximately 15% CS3							

Inspection Photos and Notes



Elevation view



elevation



Roadway



Wearing surface



Approach undersurface



Main undersurface bay 1 efflorescence



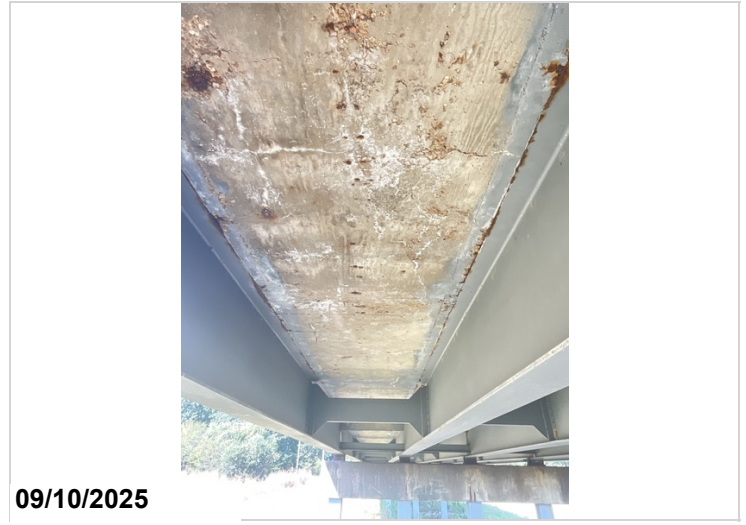
Span 14 bay 1 rust



Span 13 Lt overhang at mid



Span 2 Rt



Span 2 Bay 1



Span 5 Lt gutter typical of several patched areas



Bent 15 bearings corrosion and pack rust CS3



Span 14 paint 60' CS2



Span 14 Bent 14 Girder 4 Right side paint peeling. CS2 and CS3



Span 7 Girder 5 Right side top flange is separating from deck



Span 12 bent 12 bearing 4 pack rust CS3



Span 4 bent 5 girder 1 active corrosion CS2



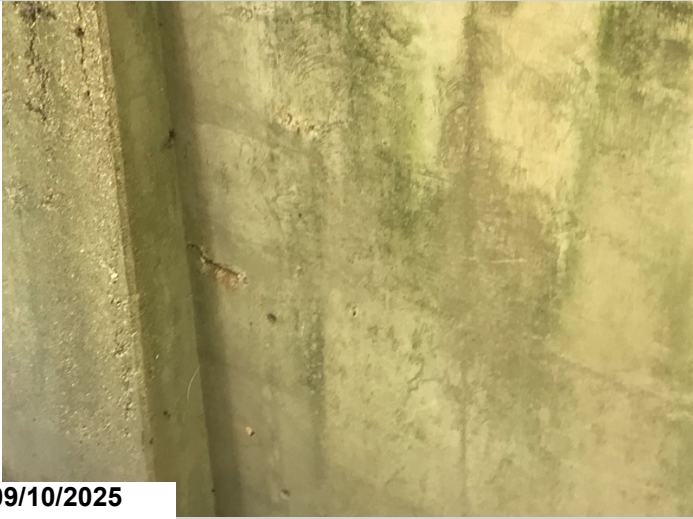
Bent 16 columns have spalls with exposed rebar CS3.



Bent 15 cap back right end has 12' horizontal cracking CS3, ahead has 6' horizontal cracking CS3.



Bent 15 left column has large spall with exposed rebar CS3. Right has spall with exposed rebar CS3.



Bent 14 pier wall has 1' spall with exposed rebar CS3.



Bent 14 columns have spalls with exposed rebar CS3.



Bent 13 pier wall near mid vertical crack CS3.



Bent 11 right and left columns have spalls with exposed rebar CS3.



Typ. Column



Typ. Bent



Bent 3 piles past washouts filled with rip rap



Bent 17 right side drift



09/10/2025

Main channel 1 Lt



09/10/2025

Main channel 1 Rt



09/10/2025

Span 16 and 17 Lt main channel 2



09/10/2025

Span 17 Rt main channel 2



Rt side utility encasement

Maintenance Needs

Date Reported: 10/15/2019

Priority: B - Pressing

Type of Work: Piling Repair/Replace

Status: Open

Component: Substructure

Deficiency Description

Several steel piles have had areas of section loss below cap filled with weld in the past.
Bent 2 pile 2 has corrosion and pack rust at connection to cap. CS3
Bent 2 pile 3 back Rt flange knife edged at connection to cap CS3
Bent 2 pile 3 has had collision damage in the past. Flange is bent with a 1/2" tear at edge.
Bent 3 pile 2 has had collision damage 1' ground line in the past. Flange is bent with a 1" tear at edge.
Bent 4 pile 1 Lt back flange 1/8" deep section loss CS3
Bent 5 pile 1 has 1" hole on edge of back Lt flange
Bent 6 Pile 5 back flange has a 2" x 1/2" hole CS3
Bent 7 Pile 4 back flange has a 1" x 1/2" hole CS3
Bent 7 Pile 5 back flange has a 3" x 1/2" hole CS3

Remarks



Span 4 bent 5 girder 1 corrosion with areas of section loss



Bent 5 pile 1 has 1" hole on edge of back Lt flange CS3



Bent 4 pile 1 Lt back flange 1/8" deep section loss CS3



Bent 2 pile 3 back Rt flange knife edged at connection to cap CS3



Bent 2 pile 2 ahead corrosion CS3



Bent 7 Pile 4 back flange has a 1" x 1/2" hole CS3



Bent 7 Pile 5 back flange has a 3" x 1/2" hole CS3



Bent 6 Pile 5 back flange has a 2" x 1/2" hole CS3



Bent 3 pile 2



Bent 5 pile 5

Maintenance Needs

Date Reported: 10/15/2019

Priority: C - Important

Type of Work: Substructure Repair

Status: Monitor

Component: Substructure

Deficiency Description

Caps have several areas of moderate abrasion and shallow spalls.

Caps have several wide horizontal cracks 4" - 8" below top of cap and delaminated areas near corners and a few spalls with exposed rebar.

Most columns have areas of abrasion. Most have vertical cracks near corners with delaminated areas and some spalls. A few columns have exposed rebar.

Remarks



Bent 14 cap ahead right end has 3' spall with exposed rebar CS3



Bent 14 cap ahead face has 8' horizontal cracking CS3.



Bent 13 ahead left column.



Bent 13 cap has full length horizontal cracking CS3 1' is spall with exposed rebar CS3.



bent 7 cap right end has 1' spall with exposed rebar CS3, over piles 2 and 3 has 4' cracking CS3, 3' spall with exposed rebar CS3.



Span 4 bent 5 left end has 1' spall with exposed rebar CS3, and 4' cracking with rust staining CS3.



Span 4 bent 4 cap from mid to right end has 6' cracking CS2 and 3' spalls with exposed rebar CS3.



Span 2 bent 2 mid to left end top of cap has an 10' delaminated area CS3.



Bent 7 ahead spall/rebar CS3



Bent 7 Lt spall/rebar CS3



Bent 2 cap



Bent 5 at pile 1

Maintenance Needs

Date Reported: 10/15/2019

Priority: C - Important

Type of Work: Joint Repair

Status: Monitor

Component: Deck

Deficiency Description

Majority of joint slide plates are loose. Plates have been removed or partially removed at bents 3 ,6, 7, 10, 14, 15, 16 and 18.

Remarks



Bent 13 6 missing, 8' loose



Bent 11 4' missing rest loose



Bent 6, 7, 9, 14, 15, 16 missing



Bent 4



Bent 3 joint slide plate loose



Bent 7



Slide plates

Maintenance Needs

Date Reported: 10/15/2019

Priority: D- Routine

Type of Work: Superstructure Repair

Status: Monitor

Component: Superstructure

Deficiency Description

Ends of girders have areas of rust with some minor section loss at web below concrete haunch and at a few diaphragm connections.

Remarks



Span 18 bent 18 girder 3 has a 4" x 1" hole below haunch CS3



Span 15 bent 15 girder 5 corrosion CS2 and CS3



Span 9 bent 10 girder 1 moderate loss CS3



Span 2 bent 3 girder 1 section loss at haunch CS3



Typical girder at approach spans



Span 18 bent 18 girder 3



Span 7 bent 8 girder 2

Maintenance Needs

Date Reported: 10/05/2011

Priority: D- Routine

Status: Monitor

Type of Work: Superstructure Repair

Component: Superstructure

Deficiency Description

Girders and diaphragms were cleaned and painted under contract 100374 in 1996.

Span 4 bent 5 bay 2 diaphragm has a 10" x 5" hole.

Span13 bent 14 bays 3 and 4 have holes rusted through diaphragm web.

Span 14 bent 15 bay 3 diaphragm has a 2" diameter hole.

Span 15 bent 16 bay 1 diaphragm has holes rusted through web.

Span16 bent 17 bay 1 diaphragm has holes rusted through web.

Span16 bent 17 bay 4 diaphragm has holes rusted through web.

Remarks



Span 14 bent 15 bay 3 diaphragm has a 2" diameter hole



Span 7 bent 8 bay 2 girder 3 diaphragm bolt head is sheared off



Span 4 bent 5 bay 2 10" x 5" hole in diaphragm



Span 4 bent 5 diaphragm



Span 4 bent 5 bay 2 diaphragm

Maintenance Needs

Date Reported: 10/15/2019

Priority: D- Routine

Type of Work: Bearing Repair/Replacement

Status: Monitor

Component: Superstructure

Deficiency Description

Majority of bearings have heavy pack rust and section loss. A few anchor bolts and nuts are missing. Several bearings have up to 1/8" of pack rust between bearings and masonry plates. Several rocker pins at main spans have section loss. (up to 1/8")

Remarks



Bent 16 and 17 ahead bearing 2 pushed back with 1/4 gap on ahead side



Main span typical bearings



Span 8 bent 9 bearing 4



Span 8 bent 9 bearing 5



Span 8 bent 9 bearing 5



Bearing



Span 8 bent 9 bearing 4

Maintenance Needs

Date Reported: 10/15/2019

Priority: D- Routine

Type of Work: Deck Repair

Status: Monitor

Component: Deck

Deficiency Description

Undersurface has several areas with efflorescent map cracks, especially in bays 1 and 4 under gutter lines and has a few spalls with rebar exposed.

Overhangs have a few small spalls with rebar exposed near drains and joints.

Remarks



Span 14



Span 8 near bent 9



Span 12 bay 4

Maintenance Needs

Date Reported: 10/15/2019

Priority: D- Routine

Status: Monitor

Type of Work: Bearing Repair/Replacement

Component: Superstructure

Deficiency Description

Span 15 bent 16 bearing 2 masonry plate left side has shifted ahead up to 1/4".

Span 17 bent 17 bearings 1, 2, and 3 have shifted ahead.

Span 17 bent 17 bearing 3 has up to 1/8" gap between cap and bearing.

Remarks



Span 15 bent 16 bearing 2



Span 17 bent 17 bearings shifted



bearing



Asset #03254(Routine, Underwater type 2)

SH 93-01- LM 5.78 over ELEVEN POINT RIVER

Location: 5.78 MI NW JCT SH 93 & 90

Team Lead: Richard Jones Inspection Date: 09/10/2025

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	Yes
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	Yes
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No
A-65 - Clogged deck drains?	No
A-66 - Approach minor pothole/leveling needed	No

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (Yes)

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



Asset #03254(Routine, Underwater type 2)
SH 93-01- LM 5.78 over ELEVEN POINT RIVER
Location: 5.78 MI NW JCT SH 93 & 90
Team Lead: Richard Jones Inspection Date: 09/10/2025

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

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

A-59 - Joint Repair Needed (Yes)

A-60 - Full Girder Painting Needed (No)

A-61 - Polymer Overlay Advised (No)

A-62 - Hydro and LMC Advised (Yes)

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

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains? (No)



Asset #03254(Routine, Underwater type 2)

SH 93-01- LM 5.78 over ELEVEN POINT RIVER

Location: 5.78 MI NW JCT SH 93 & 90

Team Lead: Richard Jones Inspection Date: 09/10/2025

A-66 - Approach minor pothole/leveling needed (No)



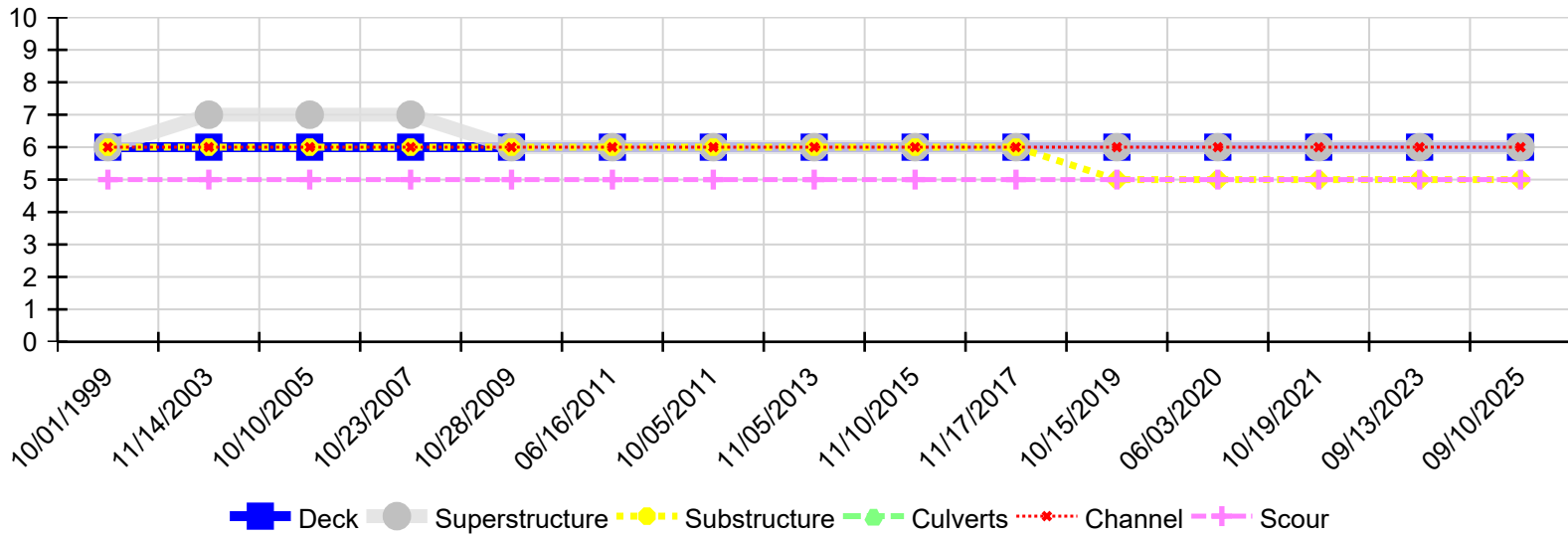
Asset #03254(Routine, Underwater type 2)

SH 93-01- LM 5.78 over ELEVEN POINT RIVER

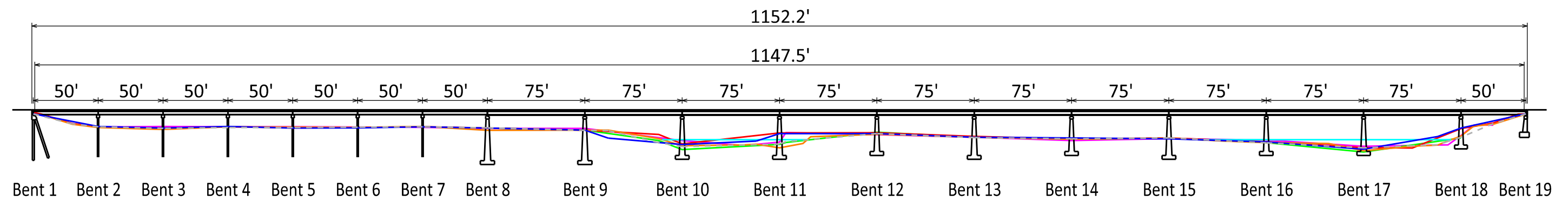
Location: 5.78 MI NW JCT SH 93 & 90

Team Lead: Richard Jones Inspection Date: 09/10/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/10/2025	6	6	5	N	6	5
09/13/2023	6	6	5	N	6	5
10/19/2021	6	6	5	N	6	5
06/03/2020	6	6	5	N	6	5
10/15/2019	6	6	5	N	6	5
11/17/2017	6	6	6	N	6	5
11/10/2015	6	6	6	N	6	5
11/05/2013	6	6	6	N	6	5
10/05/2011	6	6	6	N	6	5
06/16/2011	6	6	6	N	6	5
10/28/2009	6	6	6	N	6	5
10/23/2007	6	7	6	N	6	5
10/10/2005	6	7	6	N	6	5
11/14/2003	6	7	6	N	6	5
10/01/1999	6	6	6	N	6	5



Water level is 22.9' below deck

Bent 1	+6	+30	Bent 2	Bent 3	Bent 4	Bent 5	Bent 6	Bent 7	Bent 8	Bent 9	+18	+57	Bent 10	+48	+57	Bent 11	+5	+18
3.0'	--	--	12.7'	14.0'	12.7'	14.0'	13.8'	13.0'	14.0'	15.6'	21.7'	--	26.6'	--	24.0'	18.2'	--	--
--	--	--	13.1'	12.7'	13.0'	12.9'	13.1'	13.4'	14.2'	14.2'	--	--	23.6'	27.4'	--	24.8'	17.4'	--
1.9'	3.2'	10.5'	13.0'	13.9'	12.9'	13.8'	13.6'	12.9'	14.0'	15.5'	--	18.9'	26.1'	--	--	17.7'	--	--
--	--	--	--	--	--	--	--	--	14.0'	15.5'	--	23.6'	30.5'	--	--	26.5'	25.0'	--
3.2'	--	10.7'	13.0'	14.2'	13.5'	13.5'	13.3'	13.0'	13.8'	15.7'	15.9'	25.2'	28.2'	--	26.7'	26.2'	24.4'	--
3.4'	3.6'	11.0'	13.5'	15.0'	13.0'	13.2'	13.4'	12.7'	15.7'	15.6'	15.5'	22.1'	27.6'	26.9'	26.4'	29.2'	--	25.8'

+24	Bent 12	Bent 13	Bent 14	Bent 15	+42	Bent 16	+48	Bent 17	+37.5	+57	+65	Bent 18	+10	+25	+44	Bent 19
--	18.2'	21.0'	21.6'	22.2'	--	24.6'	--	30.2'	--	20.5'	--	14.0'	--	--	--	3.0'
--	19.0'	21.0'	23.6'	22.1'	--	23.1'	--	28.0'	--	--	26.9'	19.7'	11.7'	11.7'	--	--
--	17.6'	20.3'	22.3'	21.5'	--	24.5'	--	29.0'	29.3'	--	--	14.3'	--	10.1'	3.3'	3.1'
--	17.2'	21.0'	22.5'	21.8'	--	25.2'	--	32.3'	--	--	--	21.5'	--	--	--	--
--	18.2'	21.3'	22.2'	21.6'	--	25.3'	--	29.2'	27.6'	26.8'	24.2'	21.0'	--	10.5'	--	3.2'
20.6'	18.7'	21.0'	22.5'	21.7'	23.9'	25.2'	25.8'	31.4'	28.0'	27.0'	23.8'	20.1'	12.3'	11.0'	5.0'	3.6'

Channel sounded from top of deck Left Side (Downstream)

Blue soundings taken on 9-12-1990

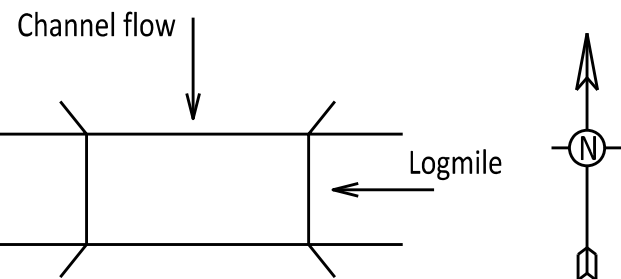
Pink circled soundings taken on 10-10-2005

Red soundings taken on 10-23-2007

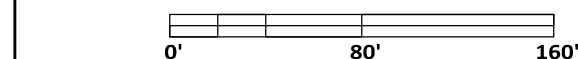
Green soundings taken on 2017

Gray dashed-line soundings taken on 10-19-2021

Orange line soundings taken on 9-10-2025



ARKANSAS STATE HIGHWAY COMMISSION
Little Rock, ARK.



Scale:1"=80'

Inspection Dir: E to W

Channel Flow: N to S

BRIDGE NO.

03254

Logmile: 5.78

Route: SH 93

Date Drawn: 10/20/2021

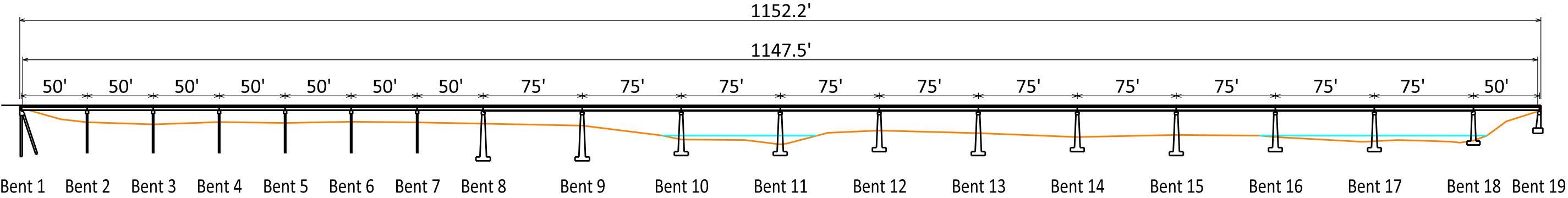
Insp. / Assist.: RRJ / NSR

District: 10

County: Randolph - 61

Sect/Zone: 01

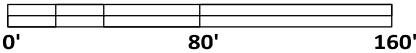
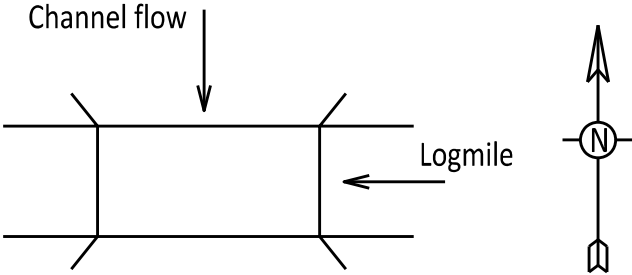




Bent 1	+6	+30	Bent 2	Bent 3	Bent 4	Bent 5	Bent 6	Bent 7	Bent 8	Bent 9	+60	Bent 10	+48	+57	Bent 11	+5	+36
3.2'	3.7'	10.5'	12.7'	14.3'	12.6'	13.2'	12.4'	12.9'	13.8'	15.3'	22.8'	25.8'	26.2'	27.3'	29.6'	28.9'	20.7'

Bent 12	Bent 13	Bent 14	Bent 15	+63	Bent 16	+66	Bent 17	+18	+37.5	+57	+65	Bent 18	+10	+25	Bent 19
19.0'	21.0'	24.0'	22.4'	22.9'	24.0'	27.5'	DRIFT	26.2'	26.8'	27.4'	28.2'	26.6'	23.0'	12.1'	4.1'

Channel sounded from top of deck Right Side (Upstream)
Orange line soundings taken on 9-10-2025



Scale: 1"=80'

Inspection Dir: E to W

Channel Flow: N to S

BRIDGE NO.

03254

Logmile: 5.78

Route: SH 93

Date Drawn: 10/20/2021

Insp. / Assist.: RRJ / NSR

District: 10

County: Randolph - 61

Sect/Zone: 01



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