

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B01162023-9</b>	
Date: 1/13/2023		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-038 - LITTLE SALMONIER RIVER BRIDGE - R92			
<b>SUBSTRUCTURE</b>					
Condition:	F1 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Assumed condition of buried/submerged reinforced concrete abutments. Unable to inspect bearings/bearing seats due to height restrictions. Light erosion along bottom of west abutment face. Numerous medium-wide vertical/horizontal cracks with light deposits of efflorescence throughout abutment faces. Numerous medium horizontal/vertical/map cracking with medium delamination/spalling and medium efflorescence deposits in four abutment wing walls. The construction joint between the curb and wing wall is leaking causing efflorescence to accumulate on the concrete surface.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Light delamination/spalling with medium corrosion to exposed reinforcement on the web/flanges of all concrete girders. Light abrasions and narrow longitudinal cracks in expansion joint dams. Light abrasions to concrete end blocks.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	Narrow transverse cracks in deck soffit. Medium abrasions and narrow longitudinal/transverse cracks in exposed concrete deck. Wide transverse cracks in asphalt along expansion joint dams. Light abrasions/dents with missing end caps on aluminum handrails. SE hazard marker missing.				
<b>HYDROLOGY</b>					
Water Velocity:	0.7 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.6 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Rip Rap at NW/SW wing walls migrating into riverbed.				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2026	Replacement Year:	2045		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair concrete defects. Install SE hazard marker. Clean debris from expansion joint dams. Re-install migrating rip rap.				
<b>OBSERVATIONS</b>					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					