

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03262025-3	
Date: 3/19/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-038 - LITTLE SALMONIER RIVER BRIDGE - R92			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Unable to inspect bearings/bearing seats due to height restriction. Visible cold joint and light erosion along bottom of west abutment face. Numerous medium to wide vertical/horizontal cracks with light deposits of efflorescence throughout abutment faces. Numerous medium horizontal/vertical/pattern cracking with medium delamination/spalling and medium efflorescence deposits in four abutment wing walls. Construction joint between the curb and wing wall is leaking causing efflorescence to accumulate on the concrete surface.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Narrow longitudinal cracks leaking efflorescence along curb/deck construction joint (recent repair) in soffit overhang. Narrow transverse cracks in deck soffit. Light delamination/spalling with medium corrosion to exposed reinforcement on the web/flanges of all concrete girders. Hairline horizontal cracks in exterior girders. Light abrasions and narrow longitudinal cracks in expansion joint dams. Light abrasions to concrete end blocks. Leaking expansion joints are evident on exterior ballast walls and abutment corners.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Wide angular crack in north curb near expansion joint. Medium spall/delamination and narrow longitudinal/transverse cracks in exposed concrete deck. Expansion joint caulking deteriorating with wide cracks. Wide transverse alligator cracks in asphalt adjacent to expansion joint dams. Asphalt has settled creating a slight elevation change between asphalt approach slab and concrete expansion joint. Light abrasions/dents with missing end caps on aluminum handrails and posts. Wide splits in guiderail posts. SE hazard marker missing. Guiderail structures flex beam attached to end blocks however majority of guideposts not installed. Medium longitudinal cracks and patching in asphalt at approaches.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 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.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$	Replacement Cost:	\$		

Recommendations:	Install waterproofing and asphalt over concrete deck and approaches. Repair all concrete defects. Install SE hazard marker. Clean debris from expansion joint seals and along curbs. Re-install migrating rip rap.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.