

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03132026-4	
Date: 3/10/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-049 - NORTHWEST RIVER BRIDGE - R10			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	It appears the structure may have encountered a slight horizontal translation of the superstructure upstream. There is a misalignment of the exterior superstructure curb and the curb over the wing walls at the NE and NW corner. The alignment of the interior curb adjacent to roadway is good and does not compromise traffic safety. When inspecting the elastomeric bearings, some bearings are squat on the side in the direction of the horizontal translation creating a void or no contact area on the opposite side of the same bearing. The structure is located on a curve with a slight downgrade. Very wide horizontal cracks, medium pattern cracks with severe erosion and scour in original footings. Medium to wide horizontal/pattern cracking in bearing seat. Lumber and debris accumulated on bearing seat. Extensive medium pattern cracking, delamination, and efflorescence deposits on wing walls. Numerous wide horizontal/vertical cracks with medium efflorescence deposits in original sections of abutments. Severe erosion of backfill beneath SE wingwall. Narrow vertical/horizontal cracking in ballast walls with light efflorescence.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Severe abrasions/deformations/corrosion to expansion joints and dams. Medium horizontal cracks in bottom flanges of all concrete girders. More severe on exterior girders. East exterior girder has narrow horizontal cracking throughout web. Medium horizontal cracks in some top flanges leaking efflorescence. Medium spall with exposed corroded reinforcement in bottom of interior girder near bearing seat. Narrow longitudinal/pattern cracking with light efflorescence in deck soffit and diaphragms. Heavy deposits of efflorescence on some girders leaking from soffit joint and lumber left in soffit from construction. Narrow horizontal cracking with light efflorescence in diaphragms. Narrow map cracking in ends of some girders.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Severe spalling with massive section missing of SE deck fascia exposing corroded reinforcement. Numerous medium longitudinal/transverse cracks with medium efflorescence to curb fascia and curb surfaces. Aluminum end caps are missing in handrail. No guiderail structures. Hairline longitudinal/transverse cracks in cantilever soffit. Small potholes and light alligator cracking in asphalt surface.				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	Tidal m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	Replace expansion joints. Repair concrete defects and shoulder erosion. Install structural approach/exit guiderail. Clean debris from bearing seats. Clear deck drains.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations:			

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