

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11182024-7	
Date: 11/11/2024		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-304 - CONCEPTION HARBOUR BRIDGE - R			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	1m extension upstream. 2-3m extension downstream and a northeast extension to accommodate a driveway. All structure extension construction joints opening with visible leakage. Very severe concrete erosion to original abutments exposing large boulders, P1.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Northeast extension (for driveway) joint leaking with efflorescence. Joint is jagged and opening, P3. The deck soffit joint at the downstream extension has a large spall about 2m long and the area is continuing to disintegrate from visible leakage. The hole is approaching deck thickness, area P1. Deck soffit surrounding the downstream extension joint has hairline map cracking with severe efflorescence. Remainder of deck soffit has isolated narrow map cracking with efflorescence, F1.				
DECK					
Condition:	P1 - Poor	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	Deck leaking at structure extensions. Asphalt atop structure and on approaches in good condition. No observed defects. No end blocks, approach/exit rails, no hazard markers, and end caps on handrails. Curb top on the upstream side has a large spall the length of the structure, exposing the first layer of reinforcement, P3. Downstream curb/fascia has light scaling, pockets of honeycombs and light map cracking. Downstream structure rail has no transition support post (at change of curvature). Upstream handrail is heavily damaged, all posts bent with top rail missing.				
HYDROLOGY					
Water Velocity:	Slow m/s	Ice Problem:	N - No Problem		
Water Depth:	>1m m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Heavy erosion to abutment faces. Water too deep under structure midpoint for inspection.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2025		
Antic. Rehab. Cost:	\$N/A	Replacement Cost:	\$\$1,500,000		
Recommendations:	Replace with culverts at time of replacement if possible				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further	No		

Inspection:

Additional Observations: Structure extension joint downstream, P1. Abutments along waterline, P1. Vegetation growth along curbs. CSP 300mm culverts penetrating the northeast wingwall and through the east abutment on the upstream side. Part of structure (northeast extension) provides access for a driveway.

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