

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B09022022-3</b>	
Date: 7/21/2022		Inspected By: M Button		Category: Office - Bridge Office	
<b>BRIDGE INFORMATION</b>					
Site: 1-301 - CLAM RIVER BRIDGE - R91					
<b>SUBSTRUCTURE</b>					
Condition: P1 - Poor		Bearings: I - Inapplicable			
		Bearing Seat: I - Inapplicable			
Comments: - Both upstream extension frame legs and pier have medium map cracking with very severe efflorescence. Efflorescence also leaching from the expansion gaps and covering the abutment and pier faces. - Both downstream extension frame legs and pier in fair condition. Pier expansion gap causing water leakage over pier face. - Pier nose has very severe disintegration. P1 upstream, F1 downstream.					
<b>SUPERSTRUCTURE</b>					
Condition: P1 - Poor		Expansion Joints: P1 - Poor			
Comments: - Upstream deck soffit on both spans have medium width map cracks with very severe efflorescence. - Downstream deck soffit on both spans generally in fair condition. - Upstream deck fascia in poor condition with medium cracks and efflorescence throughout. Downstream deck fascia in fair condition. - All structure extension joints and expansion gap over the pier are disintegrating and have very severe efflorescence leaching through. P1 upstream, F1 downstream.					
<b>DECK</b>					
Condition: P1 - Poor		Curbs: F1 - Fair			
Hand Rail: F2 - Fair		Roadway Condition: F2 - Fair			
Approach Rail: F2 - Fair					
Comments: - Exposed concrete deck with gravel. Water ponding on the northwest corner. - Possible exposed rebar however, cannot be certain due to the abundance of gravel. Severe potholes on the southwest corner of the deck. - Structure rail in good condition. - Bridge extension joints starting to open causing very severe efflorescence below. - Curb covered in gravel, curb exterior in fair condition. - Guiderail in fair condition, connected to end blocks, does not have collision dampening posts and is missing a hazard marker on the northeast corner. - Southeast end block damaged and tip away from the curb, P.					
<b>HYDROLOGY</b>					
Water Velocity: 0.5 m/s		Ice Problem: N - No Problem			
Water Depth: 0.5 m		Scour Problem: P - Possible Problem			
Waterway: 01 - Adequate		Debris Problem: N - No Problem			
Comments: - No comment.					
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:		Replacement Year: 2025			
Antic. Rehab. Cost: \$		Replacement Cost: \$1,000,000			
Recommendations: - Replace the bridge within 3-5 years with a pipe arch.					
<b>OBSERVATIONS</b>					
Overall Condition: P1 - Poor		Requires Further Inspection: No			
Additional Observations: - Replace the bridge. Downstream extension can be used for diversion if required.					