

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01282025-2	
Date: 1/23/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-309 - LAWRENCE BROOK BRIDGE - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Original structure extended approximately 2.0 meters upstream and downstream. Assumed condition of buried and submerged reinforced concrete frame leg footings.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Wide cracks with light efflorescence deposits in deck soffit. Water leaking through downstream construction joint in soffit. Narrow pattern cracking in haunch of original structure.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. No approach/exit rail or regulation hazard markers installed on structure. Light spall to upstream curb fascia. Medium shoulder/embankment erosion SE/SW corner. Light abrasion to aluminum handrails. Narrow vertical/horizontal cracks with light efflorescence in downstream fascia. Asphalt has medium wheel track rutting, medium raveling, medium transverse cracks, severe longitudinal cracks, and medium edge cracks. Vegetation and sand accumulating along downstream aluminum handrail.				
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:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2036		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Waterproof concrete deck and place new asphalt. Install approach/exit guiderail structures with hazard markers. Repair slope erosion SE/SW corners. Remove vegetation along aluminum handrails.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Town of Conception Bay South installed new sidewalk over south side of structure in 2024.				