

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01222025-2	
Date: 1/21/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-344 - RAYMOND BROOK BRIDGE - R3			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	- Wingwalls starting to show signs of distress exhibiting damp hairline map cracking throughout, F1. - Abutments have light/mild concrete erosion at the waterline and are covered in graffiti, F1.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	- Deck soffit has numerous longitudinal narrow cracks propagating from the frame legs out the deck soffit roughly 2m. Structure has one longitudinal crack from frame leg to frame leg, F1. - All cracks were patched over previously and have reopened.				
DECK					
Condition:	F1 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P3 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below, F1. - Guiderail intact on approaches but starting to show its age. Posts & spacers have areas of rot with various checks and splits. Rails have numerous local impact damages likely from snow ploughs, P3 to F1. - Concrete barrier starting to show signs of distress exhibiting damp hairline map cracking on both the interior and exterior faces, F1. - Asphalt surface has a transverse crack located at each approach slab joint, F1 to F2. - No curbs.				
HYDROLOGY					
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:	- Riprap still has good placement around structure corners.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2035	Replacement Year:	2070		
Antic. Rehab. Cost:	\$100,000	Replacement Cost:	\$3,500,000		
Recommendations:	- Seal transverse asphalt cracks. - Replace guiderail around structure complete with hazard markers. - Inject deck soffit cracks.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	- Structure F1 overall. Minor repairs required to upkeep the structure. - Monitor any progression of deck soffit cracking on future inspections.				

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