

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02032025-1	
Date: 1/29/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-106 - BRAZIL'S HILL BRIDGE - R70			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Very severe scour/erosion beneath NW and SW wingwalls P3. Visible cold joint and severe segregation with exposed reinforcement in NE wing wall. Medium erosion throughout the entire frame leg footings F1. Moderate horizontal/vertical cracks throughout structure footings.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Very severe spalling/delamination/disintegration with severe corrosion to exposed reinforcement at south rigid frame construction joint in soffit and SE frame leg, P1. Joint is leaking and backfill material visible. Severe to very severe honeycombing/segregation in isolated locations throughout frame legs and deck soffit, P3. Joint between rigid frame sections at the mid-point of the bridge leaking, P3. Numerous cold joints visible in frame legs.				
DECK					
Condition:	P3 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Surface of deck is not visible. Grade was likely raised, and fill is sitting on top of bridge deck. Medium spalling and very wide horizontal cracks in downstream concrete handrail P3. Severe deformation to guiderail at SE exit. No handrail located at inlet (guiderail is present.) No observed defects to asphalt. No end blocks, hazard markers, or guiderail structures.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Fast moving water through structure causing scour/erosion concerns along footings.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair south rigid frame construction joint and scour/erosion issues. Install guiderail structures with hazard markers. Install waterproofing and new asphalt surface over deck.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	No		
Additional Observations:	Continue to monitor scour/erosion along footings and deterioration to construction joints.				