

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B04292022-1</b>	
Date: 4/8/2022		Inspected By: M Button		Category: Office - Bridge Office	
<b>BRIDGE INFORMATION</b>					
Site:		1-106 - BRAZIL'S HILL BRIDGE - R70			
<b>SUBSTRUCTURE</b>					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	- Mild erosion throughout the entire foundation F1. – Severe honeycombing on the west abutment P3. – Moderate scour on Northwest foundation. - Moderate horizontal/vertical cracks throughout the footing face. On the southeast (outlet) side of the structure, the joint between rigid frames has severe disintegration.				
<b>SUPERSTRUCTURE</b>					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	- Severe to very severe honeycombing on deck soffit in isolated locations, P3. - Joint between rigid frame sections at the mid-point of the bridge leaking, P3. – South (outlet) rigid frame joint between structures on the deck soffit has a gap up through to the gravel, concrete is disintegrated around it, P1.				
<b>DECK</b>					
Condition:	U - Uninspectable	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Surface of is not visible, the grade was raised and fill is sitting on top of bridge deck. – Bridge handrails are still there but guiderail was added and is now acting as the barrier to the bridge. - Asphalt ok. - Guiderails have denting throughout.				
<b>HYDROLOGY</b>					
Water Velocity:	1 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.3 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Fast moving water through structure, some scour on the upstream wingwalls and erosion on the downstream outline.				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2023	Replacement Year:	2030		
Antic. Rehab. Cost:	\$30,000	Replacement Cost:	\$0		
Recommendations:	- Rehab south joint between structures. Replace hazard markers.				
<b>OBSERVATIONS</b>					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	- Good location to park but, busy intersection. Repair joint between structures on the downstream side.				