

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B09022022-1	
Date: 7/21/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-166 - HARICOT POND BRIDGE - R			
SUBSTRUCTURE					
Condition:		F2 - Fair	Bearings:		I - Inapplicable
			Bearing Seat:		I - Inapplicable
Comments:		Both frame legs and sets of wingwalls in fair condition. Some efflorescent leachate between deck and top of frame leg joint.			
SUPERSTRUCTURE					
Condition:		F1 - Fair	Expansion Joints:		I - Inapplicable
Comments:		Deck soffit has hairline to narrow cracking throughout. One crack at the mid transverse point near the east frame leg has a medium crack with severe efflorescence. Deck fascias have various narrow to medium cracks throughout. The southeast corner of the deck fascia has a wide potential shear crack, P1.			
DECK					
Condition:		P3 - Poor	Curbs:		F1 - Fair
Hand Rail:		F2 - Fair	Roadway Condition:		P1 - Poor
Approach Rail:		P - Poor			
Comments:		Asphalt on approach to the structure in poor condition. The exposed concrete deck has a large asphalt patch towards the west approach with other isolated concrete potholes. The deck also has moderate narrow map cracking throughout the entire deck, P3. End blocks in fair condition on all four corners of the structure, all end blocks are heavily covered by overgrowth. Curb tops have various cracks throughout and are delaminated on the corners. Curb exteriors have isolated cracking with efflorescence. Construction joint between the deck and curb also leaching efflorescence in various locations. Guiderail in poor condition, replace. The structure is not equipped with any hazard markers. Structure rail in good condition.			
HYDROLOGY					
Water Velocity:		0.3 m/s	Ice Problem:		N - No Problem
Water Depth:		0.3 m	Scour Problem:		N - No Problem
Waterway:		01 - Adequate	Debris Problem:		N - No Problem
Comments:		No visible signs of scour, unable to get completely underneath the structure and inspect this area. High water mark on the abutments is ~ 1m from the deck soffit.			
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		2023	Replacement Year:		2050
Antic. Rehab. Cost:		\$200,000	Replacement Cost:		\$2,000,000
Recommendations:		- Consider partial depth deck replacement. Waterproof and pave structure if capacity exists. - Overgrowth to be cut. Replace guiderail. Complete various concrete repairs.			
OBSERVATIONS					
Overall Condition:		F1 - Fair	Requires Further Inspection:		No
Additional Observations:		- Bridge in fair condition overall with poor components. Shear crack reported for review.			