

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05272022-15</b>	
Date: 4/4/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-329 - GREEN'S HARBOUR BRIDGE - R80			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Assumed condition of submerged/buried reinforced concrete abutment/pier footings. Hairline pattern cracks in numerous locations on abutment corners, wing walls, and center pier. Narrow vertical cracks in abutment/pier faces.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor		
Comments:	No mechanical expansion joint. Very wide crack downstream curb/deck fascia.				
<b>DECK</b>					
Condition:	P3 - Poor	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	P1 - Poor		
Approach Rail:	F2 - Fair				
Comments:	Southeast curb fascia has wide horizontal crack and severe spall exposing rebar. Medium abrasion to curbs and end blocks from snow plows. Hairline pattern cracks to all four end blocks. Severe potholes exposing concrete deck near expansion joints and approach slabs. South approach buried end rail damaged. Structural guide posts showing signs of decay.				
<b>HYDROLOGY</b>					
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.5 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Tidal				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2024	Replacement Year:	2048		
Antic. Rehab. Cost:	\$80,000.00	Replacement Cost:	\$1,000,000.00		
Recommendations:	Resurface deck and approaches , install new structural rail posts, repair concrete defects, replace sealant in center pier, install new buried end.				
<b>OBSERVATIONS</b>					
Overall Condition:	F2 - Fair	Requires Further Inspection:	Yes		
Additional Observations:	P1 - Center pier crack/gap, deck surface and approaches, P3 - SE deck keyway crack, F2 - Remainder. Bridge office should inspect center pier/deck and SE keyway crack.				