

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B04062022-1</b>	
Date: 4/4/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-071 - NEW HARBOUR BRIDGE - R80			
<b>SUBSTRUCTURE</b>					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Severe erosion/scour to southwest concrete footing. Medium erosion and possible scour to remainder of east and west footings. Medium vertical cracks in faces of abutments. No visible signs of bearings (assumed condition). Medium vertical/horizontal cracks with deposits of efflorescence on all four wing walls.				
<b>SUPERSTRUCTURE</b>					
Condition:	F1 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Assumed condition of interior double tee girders and soffit due to access. Severe spalling with exposed reinforcement to northeast double tee girder. Narrow horizontal/vertical cracks with light delamination to remainder of girders. No visible signs of expansion joints. Medium cracks and delamination to northwest end creep block. Medium spall/delamination with exposed rebar to downstream exterior girder near deck soffit. Deck downspout draining directly onto girders allowing moisture and algae to remain on the concrete surface.				
<b>DECK</b>					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	G - Good	Roadway Condition:	G - Good		
Approach Rail:	G - Good				
Comments:	Medium-severe spalling with exposed corroded rebar to upstream and downstream cantilever soffit. Medium spall to southwest facia. Narrow vertical/horizontal cracks with medium deposits of efflorescence on southeast facia leaking from construction joint. North and south curbs have moderate abrasion from snow plows.				
<b>HYDROLOGY</b>					
Water Velocity:	t idal m/s	Ice Problem:	P - Possible Problem		
Water Depth:	t idal m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2028	Replacement Year:	2034		
Antic. Rehab. Cost:	\$150	Replacement Cost:	\$1400		
Recommendations:	Repair erosion and scour at base of footings.				
<b>OBSERVATIONS</b>					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Structure recently rehabbed with new asphalt, structural guiderail, end blocks, steel handrail, sidewalks/curbs, hazard markers, end creep blocks, and downstream/upstream facia repaired.				