

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B02212024-8</b>
<b>Date:</b> 11/27/2023	<b>Inspected By:</b> Sharron/Rebello	<b>Category:</b> Eng. - Engineering
<b>BRIDGE INFORMATION</b>		
<b>Site:</b>	3-080 - RATTLING BROOK BRIDGE #1 - R351	
<b>SUBSTRUCTURE</b>		
<b>Condition:</b>	F1 - Fair	<b>Bearings:</b> I - Inapplicable
		<b>Bearing Seat:</b> I - Inapplicable
<b>Comments:</b>	Cracking and efflorescence in all four wingwalls, spalls at downstream wingwall, water leaking between ridge frame and footing both sides, minor undermining on west footing, downstream corner spalling/disintegrating on upstream sides of wingwalls, downstream north east abutment/footing corner spalling, water leaking between footing and abutment	
<b>SUPERSTRUCTURE</b>		
<b>Condition:</b>	F1 - Fair	<b>Expansion Joints:</b> I - Inapplicable
<b>Comments:</b>	Some cracking on underside of ridged frame with efflorescence, spalls, rusting, honeycombing under deck between east abutment	
<b>DECK</b>		
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b> F1 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b> P3 - Poor
<b>Approach Rail:</b>	F1 - Fair	
<b>Comments:</b>	Northeast curb under end block spalled and cracked, plow damage on guide rail (minor) and on handrail on west downstream end block (minor), spalling under downstream curb rebar exposed (minor), potholes in deck mostly west bound with concrete exposed	
<b>HYDROLOGY</b>		
<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b> N - No Problem
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b> P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b> N - No Problem
<b>Comments:</b>	Water controlled by NL power, salmon river	
<b>REPLACEMENT/REHABILITATION</b>		
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b> \$0
<b>Recommendations:</b>	Repair wingwalls and spalls between abutments and footing	
<b>OBSERVATIONS</b>		
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b> No
<b>Additional Observations:</b>	Penstock next to structure	