

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B02082022-1</b>	
Date: 11/17/2021		Inspected By: Lynch R / Connors R		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		3-165 - MIDDLE BROOK BRIDGE - R351-10			
<b>SUBSTRUCTURE</b>					
Condition:	F1 - Fair	Bearings:	U - Uninspectable		
		Bearing Seat:	F1 - Fair		
Comments:	Possible undermining of abutment #2, medium - wide cracks with efflorescence throughout. Severe disintegration of wingwalls.				
<b>SUPERSTRUCTURE</b>					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Beams 1 & 5 have rebar exposed with severe disintegration. Beams 2, 3 & 4 have cracks with efflorescence - could not see width of cracks through efflorescence (narrow - medium?)				
<b>DECK</b>					
Condition:	F1 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	P1 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P - Poor				
Comments:	Deck cracked and leaking throughout. Outside edges have rebar exposed with sever disintegration. No approach rail. RHS hand rail recently struck and post broken. Rail on both sides severely disintegrated.				
<b>HYDROLOGY</b>					
Water Velocity:	0.5 m/s	Ice Problem:	P - Possible Problem		
Water Depth:	0.5 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Water striking abutment #2 - possible undermining				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Rehabilitate wingwalls, deck, girders and abutments. Replace handrail. Install approach rail with hazard markers. Realign brook so flow is through centre of structure.				
<b>OBSERVATIONS</b>					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Birch log handrail repair is rotten.				