

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07102024-1</b>
<b>Date:</b> 7/8/2024	<b>Inspected By:</b> D. Burns/J. Rowe	<b>Category:</b> Eng. - Engineering
<b>BRIDGE INFORMATION</b>		
<b>Site:</b>	2-209 - BEAVER POND BRIDGE - R201-10	
<b>SUBSTRUCTURE</b>		
<b>Condition:</b>	P1 - Poor	<b>Bearings:</b> I - Inapplicable
		<b>Bearing Seat:</b> I - Inapplicable
<b>Comments:</b>	North abutment corners have severe disintegration. South abutment corners are disintegrated and starting to undermine exterior girders. Both abutment faces have medium-severe cracking with efflorescence.	
<b>SUPERSTRUCTURE</b>		
<b>Condition:</b>	P1 - Poor	<b>Expansion Joints:</b> I - Inapplicable
<b>Comments:</b>	Exterior girders have no finish left on them with extreme disintegration and exposed rebar. Unable to inspect interior girders or underside of deck due to deep, fast flowing water. Previous inspection mentions that interior girders have medium-severe cracking with extreme efflorescence.	
<b>DECK</b>		
<b>Condition:</b>	P1 - Poor	<b>Curbs:</b> I - Inapplicable
<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b> P1 - Poor
<b>Approach Rail:</b>	I - Inapplicable	
<b>Comments:</b>	No curbs, approach rail, handrail, end blocks or hazard markers. Concrete deck is exposed and heavily disintegrated. Some exposed rebar on outside edges of deck, likely where previous handrails used to be.	
<b>HYDROLOGY</b>		
<b>Water Velocity:</b>	1.5 m/s	<b>Ice Problem:</b> N - No Problem
<b>Water Depth:</b>	>1 m	<b>Scour Problem:</b> P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b> N - No Problem
<b>Comments:</b>		
<b>REPLACEMENT/REHABILITATION</b>		
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b> 2026
<b>Antic. Rehab. Cost:</b>	\$REMOVE	<b>Replacement Cost:</b> \$200,000
<b>Recommendations:</b>	Recommended to remove or replace structure within 5 years	
<b>OBSERVATIONS</b>		
<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b> No
<b>Additional Observations:</b>	Deep fast flowing water on day of inspection, recommended to bring hip-waders for future inspection if rate of flow permits to do so. Alders heavily grown in on both sides of structure.	

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.