

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05282022-5	
Date: 4/12/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-299 - NORTHWEST POND BROOK BRIDGE - R20			
SUBSTRUCTURE					
Condition:	P - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	Medium erosion to partially buried/submerged reinforced concrete footings. Very wide movement cracks in NE/NW wing walls at intersection with abutment and deck. Severe disintegration/delamination/spalling at top faces of four wing walls. Narrow-medium vertical/horizontal cracks with light efflorescence deposits at abutment faces and corners. All four wing walls have medium horizontal/vertical cracks with medium efflorescence deposits. Severe delamination/disintegration to SE/SW corners of abutments. Exposed steel ties in abutment faces.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	U - Uninspectable		
Comments:	No visible sign of expansion joints.				
DECK					
Condition:	F1 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	P1 - Concrete deck facias. F1 - Remainder. Medium vertical cracks to some concrete handrail posts. Deck has recently been resurfaced with new asphalt. Narrow horizontal cracks with medium efflorescence deposits and severe delamination/spalling/disintegration to upstream/downstream deck facia. Medium honeycombing to numerous locations on deck soffit. No approach/exit rail or hazard markers.				
HYDROLOGY					
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.2 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2022	Replacement Year:	2026		
Antic. Rehab. Cost:	\$100,000.00	Replacement Cost:	\$350,000.00		
Recommendations:	Install approach/exit rails with hazard markers. Repair concrete defects to deck facias, abutment corners, wing walls.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	P - North wing walls, P1 - Abutment corners/deck facias, F1 - Remainder. Bridge office should inspect very wide cracks in north wing walls.				