

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02112025-2	
Date: 2/6/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-247 - NEW PERLICAN RIVER BRIDGE - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of submerged reinforced concrete frame leg footings. Medium pattern cracking with medium efflorescence deposits in all wingwalls. Unable to inspect for scour due to water/ice restrictions.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Severe erosion along entire face of frame legs below high-water mark. Medium longitudinal cracks with light efflorescence in deck soffit. Some soffit cracks travelling vertically through haunch into frame legs. Narrow vertical/pattern cracking in remaining frame legs. Wide horizontal/angular cracks in NE exterior frame leg fascia starting near haunch and continuing to the SE corner.				
DECK					
Condition:	F2 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Construction joint between deck and curb downstream has opened. Wide horizontal cracks and narrow pattern cracking with light efflorescence in east and west deck/curb fascia. Narrow to very wide pattern cracking in end blocks. Unable to inspect interior curbs due to snow accumulation. No observed defects in asphalt surface.				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	Tidal m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2028	Replacement Year:	2060		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair erosion along bottom of frame legs. Install guiderail structures and replace end blocks.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Municipality utilities attached to structure downstream.				