

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B04212026-1	
Date: 4/9/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-289 - PICCO'S BROOK BRIDGE - R20-17			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Extensive medium pattern cracking with severe efflorescence and areas of delamination in SE wingwall. This area also has very severe disintegration from road drainage with large cavities visible undermining the concrete exposing rebar. SW wingwall also contains extensive medium pattern cracking with severe efflorescence, severe delamination, and spalling. Medium vertical cracks with efflorescence and severe disintegration to NE wingwall and horizontal joint beneath fascia. NW wingwall has several wide cracks extending to the abutment face, rehabbed/patched section at the top of the NW abutment corner and has delaminated. Water appears to be leaking through wingwall from roadway causing severe disintegration to the concrete face. Water level high and unable to inspect for scour/erosion. West rigid frame leg horizontal construction joint, 1m above the waterline, has severe disintegration with efflorescent. SE corner of the arch abutment is severely spalled with exposed reinforcement.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Arch soffit and abutments contain extensive vertical/horizontal/pattern cracking with severe deposits of efflorescence throughout. Unable to sound concrete for delamination. Severe spalling with exposed reinforcement, wide vertical cracks, and narrow pattern cracking throughout north fascia of arch. North fascia of the rigid frame in fair condition with narrow vertical cracks. North/South fascia above wingwalls covered in substructure. Deck soffit joint between structures has isolated locations of efflorescence. Rigid frame soffit in fair condition with narrow longitudinal cracks extending through west haunch into frame leg with light efflorescence.				
DECK					
Condition:	P3 - Poor	Curbs:	P1 - Poor		
Hand Rail:	P - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	P - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Top horizontal rail missing from north barrier and bottom horizontal rail missing from south barrier. Aluminum handrail posts have severe deformations, and spalling has occurred to the concrete curb beneath the connection compromising the stability of the barrier. Very severe impact damage to NW and SE guiderail and posts. Asphalt in fair condition with medium ravelling and narrow transverse alligator cracking. Excessive sand buildup along curbs. No hazard markers.				
HYDROLOGY					
Water Velocity:	m/s	Ice Problem:	N - No Problem		
Water Depth:	m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Slope erosion at southeast corner.				
REPLACEMENT/REHABILITATION					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	Aluminum handrail and approach/exit guiderail should be replaced while structure is waiting for replacement.		
OBSERVATIONS			
Overall Condition:	P - Poor	Requires Further Inspection:	Yes
Additional Observations:	Aluminum handrail and approach/exit guiderail in poor condition. Bridge office has been notified as it is a safety concern for pedestrians and vehicles. Structure has an original arch upstream and a rigid frame extension downstream.		

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.