

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05042022-3</b>	
Date: 4/21/2022		Inspected By: M Button		Category: Office - Bridge Office	
<b>BRIDGE INFORMATION</b>					
Site:		1-289 - PICCO'S BROOK BRIDGE - R20-17			
<b>SUBSTRUCTURE</b>					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	- Southeast wingwall has local areas of delamination and moderate map cracking with efflorescence, P3. The area also has very severe disintegration from the road runoff. - Southwest wingwall has severe delamination, spalling, and map cracks with efflorescence, P3. - Northeast wingwall has some light to moderate disintegration. The corner with the abutment has been rehabbed/patched and has delaminated, F1. - Northwest wingwall has a wide crack and the corner with the abutment, at the top, has been rehabbed/patched and has delaminated, P3. - West rigid frame leg horizontal construction joint, 1m above the waterline, has localized severe disintegration with efflorescent leachate. Several moderate width to wide cracks are also propagating from the rehabbed/patched area. - East rigid frame leg and moderate scour along its joint with bedrock, F1. - See superstructure for original arch.				
<b>SUPERSTRUCTURE</b>					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	- North fascia of the arch under the structure has moderate map cracking, and spalling exposed reinforcement, P3. - North fascia of the rigid frame in fair condition. - South fascia or headwall of arch covered under the south wingwalls. - Deck soffit joint between structures has isolated locations of efflorescence, F1. - The arch has narrow to moderate width map cracking with severe efflorescent leachate throughout, P3. - Rigid frame soffit in fair condition, F1.				
<b>DECK</b>					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Asphalt in fair condition, F1. - Southwest corner of the structure rail is detached from its post, otherwise in good condition, F1. - Curbs have excessive sand buildup. - Guiderail in fair condition, no hazard markers.				
<b>HYDROLOGY</b>					
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	3 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Deep water understructure. Light to moderate scour under east frame leg				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:		Replacement Year:	2028		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$1,500,000		
Recommendations:	- Replace structure with 5 years.				
<b>OBSERVATIONS</b>					

<b>Overall Condition:</b>	P3 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- Structure has an original arch to the south or upstream and a rigid frame extension to the north or downstream. - P3 arch and upstream wingwalls. F1 downstream rigid frame. - Safety - Steep slopes and deep water with slippery rocks.		

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