

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B04132026-5	
Date: 4/9/2026	Inspected By: T Upshall / M Button	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site: 1-261 - POUCH COVE BROOK BRIDGE - R20			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Note that both headwalls are forming the attachment point or support for the structure rails. The upper portion of the headwall will be reported on in the DECK/APPROACH section under curbs. - All wingwall/abutment construction joints have separation. - Various cold joints and honeycombs remain from original construction. - South wingwalls/headwall have various narrow diagonal cracks with light efflorescence. On the southeast corner, runoff from a culvert has caused significant material movement along and under the wingwall. - North wingwalls/headwalls have refaced sections from a previous rehabilitation. Visible original concrete has light to moderate scaling, and various hairline cracks with light efflorescence. See curbs within the DECK/APPROACH section for additional information. - Majority of the abutment's interior and downstream faces have countless narrow horizontal cracks with severe efflorescence. Suspect widespread delamination's to the concrete. Northwest abutment exterior corner/wingwall corner has a wide diagonal crack propagating from the deck bearing area down most of the face. Upstream extension may be refaced during a previous rehabilitation or may be an original geometry discontinuity. These faces have regular rust stains throughout and are likely from original formwork ties. Downstream interior corner has local spalls below the leaking joint in the deck soffit.		
SUPERSTRUCTURE			
Condition:	P - Poor	Expansion Joints:	I - Inapplicable
Comments:	- Deck soffit in poor condition on center/original structure. Deck has through slab defects after hammer testing in summer 2024. This section of the bridge is closed to the motoring public and is restricted by jersey barriers above. - The first interior structure extension longitudinal joint from the south side has moderate efflorescent material forming stalactites. - Note from 2024 inspection "Upstream and downstream structure extensions have sound concrete except for the first meter on each side adjacent to the deteriorated center span." No access during 2026 inspection. - The north exterior deck soffit has moderate efflorescent leachate through an old rehabilitation construction joint. - Various cold joints and honeycombs remain from original construction.		
DECK			
Condition:	P - Poor	Curbs:	P - Poor
Hand Rail:	P - Poor	Roadway Condition:	F1 - Fair
Approach Rail:	P3 - Poor		
Comments:	- Deck top not visible due to asphalt but confirmed to be leaking through slab given the condition of the deck soffit below, P1 to P under jersey barriered area. F1 to P3 remainder. - Guiderail not of type guiderail structures. No end blocks. No guiderail on western side of structure. Northeast corner guiderail in and out of alignment. Posts in fair condition. Posts too low on southeast corner. - Structural rail is four rail aluminum system on posts. Top rail and all joiners missing on northwest corner. Northeast corner's top two rail ends have tears. Rail anchorage compromised on northeast corner and towards the northwest corner. Arrangements made for remedy. - Concrete headwall top/curb is in fair condition on the south side. - Concrete headwall top/curb on the northeast corner is spalled under a structure rail post, P. Towards the northwest corner, there is a concrete section with a wide crack. Suspicious of a large concrete section delamination from the main headwall. In the vicinity, a large void is visible under the top of the headwall/curb. - Asphalt surface generally in fair condition in driving lanes. Asphalt heavily cracked with potholes near jersey barriers.		
HYDROLOGY			

Water Velocity:	~1 m/s	Ice Problem:	N - No Problem
Water Depth:	~1 m	Scour Problem:	P - Possible Problem
Waterway:	02 - InAdequate	Debris Problem:	K - Known Problem
Comments:	- Water flow from the river impacting upstream wingwall with majority of momentum prior to turning under the bridge. Ensure proper alignment between river/new structure. - All four structure corners have drainage/runoff issues. - River channel is a moderately deep ravine geological feature (~4m below deck level) with a bedrock foundation.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Current structure needs replacement.		
OBSERVATIONS			
Overall Condition:	P - Poor	Requires Further Inspection:	No
Additional Observations:	- Replace the structure. - Center of bridge restricted by jersey barriers due to poor condition of the concrete deck. Two-way traffic still maintained. - Numerous drainage issues around the structure. Ensure runoff ditches installed along new wingwalls. - Powerlines run longitudinally over the upstream side with poles adjacent to wingwalls. - 300mm CSP culvert under Butlers Road in poor condition with perforations adjacent to the southwest wingwall of this structure. - Butler's Road, private property, and a lookout area surround the structure. - Town of Pouch Cove's sewer pipe offset ~2m from downstream fascia and is located on a separate support system.		

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