

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B04142026-1	
Date: 4/9/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-291 - ROBINSONS RIVER BRIDGE - R20			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	- Southeast wingwall has a severe local spall/area of disintegration near the top, caused from roadway runoff. Construction joints poorly executed during original construction and are highly irregular. Joints are spalled and leaching efflorescent material. - Frame leg eastern/downstream exterior corners have narrow to medium cracks with light to moderate efflorescence. The top of the southeast exterior corner has a wide crack propagating from the wingwall area of disintegration. - Northeast frame leg concrete around the waterline has a deep pocket of erosion. Area was most likely an area of honeycombs/dirt from original construction. - Frame leg to deck construction joint visibly leaching water and light to moderate efflorescent material throughout. Waterline concrete has moderate to severe erosion. - Frame leg faces have large cobbles, honeycombed areas and cold joints from original construction. - Northwest wingwall has medium pattern cracking with moderate efflorescence and light to medium scaling throughout. Local section has a wide diagonal crack. Possible local sections with scour. Rehabilitated sections have narrow damp pattern cracks.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	- Western/upstream extension deck soffit has a longitudinal construction joint near the exterior remaining from an old rehabilitation leaching severe water & efflorescent material. Portions of the joint has disintegrated forming a small cavity towards the south. Immediately downstream, the deck soffit has medium pattern cracks with very severe efflorescent stalactites. Remaining deck soffit has medium full length transverse cracks - Eastern/downstream extension deck soffit has a longitudinal construction joint near the exterior remaining from an old rehabilitation leaching water and severe efflorescent material. Numerous narrow to medium transverse cracks with moderate efflorescence propagates from the joint towards the west/upstream. Deck soffit over the south frame leg connection, has medium spalls with surrounding delaminations. Remaining deck soffit has medium full length transverse cracks - Several locations within the substructure have large cobbles, honeycombing areas and cold joints from original construction. - No expansion joints.				
DECK					
Condition:	P3 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	P1 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - Structure rail is original concrete railing and posts. Many rails and posts have wide cracks with numerous areas delaminated or spalled, P1. - Guiderail not of type guiderail structure. No end blocks. Terminal ends installed on all corners of the structure railing. Posts immediately surrounding the structure have recently been replaced, G. Posts after the first four (4) on the northeast corner are older with various splits, F1. - Bridge does not have curbs. Structure rail posts attached directly to the bridge deck. - Asphalt over bridge deck replaced by the town of Pouch cove, assuming in 2024 or 2025. Majority is F2. Transverse joint on the south side showing mild settlement with progressive edge cracking forming local potholes. Expect area to continue deteriorating, P3.				
HYDROLOGY					
Water Velocity:	< 1 m/s	Ice Problem:	N - No Problem		

Water Depth:	< 1 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Slow moving channel under bridge. Various deep pockets to bedrock. No visible scour under frame. Local scour to northwest wingwall. - Northeast corner has severe slope erosion.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Recommend to replace structure within 5-10 years. - Bridge rail may need replacement before this. All hazard markers missing.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Monitor deck soffit exteriors on future inspections.		

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