

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01282026-1	
Date: 1/23/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-041 - COLINET RIVER BRIDGE - R91			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	P3 - Poor		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed condition of buried/submerged concrete abutment/pier footings. - Medium pattern cracking with isolated wide cracks and severe concrete erosion to center pier, P3. - Medium vertical cracks in abutments. - Bearings, globally, have excessive permanent deformations, P3. - Medium pattern cracks and local honeycombs with exposed reinforcement in wingwalls. - Exposed steel form ties in center pier and diaphragms. - Severe slope erosion to southwest and southeast corners (ocean facing side). Southwest has minor undermining of wingwall.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	- Around all expansion joints (deck ends), the deck has narrow to medium transverse/longitudinal cracks with light to medium efflorescence, P3. - Medium deposits of efflorescence on south end diaphragms and girders leaking from soffit joints. - West span deck soffit defects are minimal, F1. - East span has widespread pockets of honeycombing in the deck soffit. Widespread visible damp areas in deck soffit. Isolated spalls throughout, P3 to P1. - Narrow longitudinal cracks in web of exterior girders. Small spalls with exposed corroded stirrups in girder web/bottom flange at support areas from inadequate concrete cover. Severe delamination in diaphragms mid span and bottom flange of girders. - Medium transverse cracks and light abrasions to expansion joints. - Expansion joints leaking and visibly causing distress to elements below. Suspect bridge maybe jammed. Minimal to no expansion gap with visible spalls in the deck soffit at the northwest corner, P. - Spalls around deck drain on northeast corner.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Wide pattern cracking in exposed concrete deck. Concrete chain dragged. Numerous delaminations were detected on the southeast corner of the deck. - Structure rail is four rail aluminum system. Missing end caps and light abrasions to aluminum railing, F1. - Guiderail not of type guiderail structures. Several minor dents and scrapes to rail. Posts in fair condition, F1. All hazard markers faded and need replacement. - Narrow pattern cracking in all end blocks. - Narrow vertical/horizontal/pattern cracks in curb fascia, F1. Efflorescence leaking through curb/deck construction joint. Suspect widespread delaminations from drip bead to deck construction joint, P3. - Medium transverse asphalt cracks adjacent to expansion joint.				
HYDROLOGY					
Water Velocity:	< 1 m/s	Ice Problem:	P - Possible Problem		
Water Depth:	Deep m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Tidal Area. And subject to flow reversal. A lot of sea ice at the time of inspection and may explain the severe erosion to the center pier.				
REPLACEMENT/REHABILITATION					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Replace guiderail with guiderail structures complete with new hazard markers. - Replace end blocks. - Consider replacing curbs and structure rail. - Replace both bridge deck spans and convert to semi-integral if design allows. If it does not, replace expansion joints too. - Complete concrete repairs to girders and abutments. - Complete slope repairs on south (ocean) side of bridge. Evaluate for replacement		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Structure needs a rehabilitation to extend its life.		

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