

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03092026-7	
Date: 2/17/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-113 - TCH-RT.13 UNDERPASS WITLESS BAY LINE - R13			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	P3 - Poor		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed condition of buried concrete footings. - Both abutments have medium to wide vertical cracks under/around most bearing points. - Wingwalls have hairline vertical cracks light efflorescent material. Wingwall to curb construction joint damp. - Pier columns have damp hairline cracks throughout. - All bearings components attached to the bearing seat have widespread coating failure with severe corrosion to the base metal. Bearing components attached to deck bearing pedestals have severe rust spotting of protective coating or the base metal has formed a patina. Sliding surfaces remain smooth. Pier bearings too high for inspection. Traffic control needed.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P - Poor		
Comments:	- Deck soffit has countless damp, short (< 1 meter), hairline longitudinal cracks. On the southwest corner, at the post tension blockout construction joint, is a small delamination. Deck bearing pedestals have damp less than hairline cracks. Possible plastic shrinkage cracking. - Deck fascias have damp hairline pattern cracks near the expansion joints. - Post-tension blockout construction joint leaching light efflorescent material and water near the expansion joints. - Expansion joint seals full of mud/debris. All seals leaking to abutments below. Exterior caulking to curbs vertical face delaminated from the concrete surface and is cracked.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	P - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Suspect waterproofing issues on the northwest bridge quadrant. - Structure rail is four rail aluminum system on posts. Rails have a noticeable sag at mid-span. No notable rail/post defects, F1. - Southwest end block has wide map cracks with light efflorescence throughout, P3. Remaining end blocks have damp hairline map cracks and light scaling. - Guiderail structures not installed. All guiderail posts have rotten cores with severe splits. - Curb tops covered in snow and not inspectable. Roadside vertical faces have wide longitudinal cracks. Suspect curb tops delaminated. Curb fascias have a dominate wide longitudinal crack with hairline map cracks leaching light efflorescent material. On the southeast corner, at least four meters of the curb's drip bead is leaching severe efflorescent material. - Asphalt surface has a large grouping of potholes or patched potholes in the northwest quadrant of the bridge, P3. F1 remainder.				
HYDROLOGY					
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable		
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable		
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable		
Comments:	- Not applicable. TCH below.				
REPLACEMENT/REHABILITATION					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Replace all guiderail. Around structure with guiderail structures. - Replace end blocks. - Replace curbs and salvage existing aluminum rail/posts. - Install new structural steel or reinstall old system. - Replace expansion joints. Consider converting to semi-integral. - Concrete deck repairs. - Waterproof and resurface structure. - Seal deck soffit and pier columns or potential concrete repairs.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Structure rails have a noticeable sag at mid-span.		

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