

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02162026-1	
Date: 2/11/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-199 - WHITBOURNE UNDERPASS TCH - R80			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed condition of buried concrete footings. - Abutment exteriors have local hairline cracks. - All abutments bearings have complete coating failure. Bearings exposed to leaks from the expansion joints have moderate to severe corrosion/stratification of the base material, F1 to P3. - Center pier columns have hairline to narrow pattern cracks on the traffic side. Pier bearing original coating failing with rust bleeding through. No base metal stratification/corrosion.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P - Poor		
Comments:	- Local spalls to deck soffit around the expansion joints. Deck soffit, away from expansion joints, has full length damp hairline cracks inline with the PT grouting ducts. Deck soffit over the pier has regularly spaced damp hairline transverse cracks. - Deck fascia's have hairline damp pattern cracks throughout, F1. - Expansion joint steel embedment assemblies torn/failed. Seals torn/failed. Water aggressively leaking and causing damage to bridge components below, P. - Exterior caulking in the curbs below the expansion joints failed allowing water ingress to the bearing seat.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	- Exposed concrete deck has various minor cracks throughout. Three small spalls exposing reinforcement. Suspect the greater area local area around the spalls are delaminated. Locally P3, F1 remainder. - Structure rail is four rail aluminum system on posts. Minor dents scrapes to rails, F1. - Guiderrail structures installed and connected end blocks. Posts have various severe splits with local rot. Spacers out of position on one post, F1 to P3. Most hazard markers are missing. - Concrete gutters have spalled around wooden guiderail posts. Local undermining visible. - End blocks have local hairline pattern cracks, F2 to F1. - Curb tops covered in snow. Uninspectable. Curb fascia's have local hairline pattern cracks, F1. - Approach asphalt surface in fair condition with no observed defects, F2.				
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.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$	Replacement Cost:	\$		

Recommendations:	- Replace expansion joints. Potentially convert to semi-integral. Install new caulking. - Waterproof and pave structure. Regrade approaches to allow for new asphalt. - Complete various concrete repairs to the deck surface, abutment corners, & deck soffit corners. - Replace guiderail posts.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	P Expansion joints F1 remainder		

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