

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02132026-1	
Date: 2/11/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-117 - SALMONIER LINE UNDERPASS - R90			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed condition of buried concrete footings. - All creep block construction joints leaching water/rust material. - Abutments faces have medium spalls, vertical cracks with rust stains. - Large pieces of spalled concrete and stratified pieces of steel accumulating on bearing seat from post tension blockout and expansion joint assemblies. - All bearings have complete coating failure. Bearings exposed to leaks from the expansion joints have moderate to severe corrosion/stratification of the base material. - Center pier concrete, bearings and bearing seat uninspectable due to traffic on TCH. No concerns looking from abutments.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	- Southeast corner deck fascia has severe spalling and severe corrosion to exposed reinforcement. - Southwest corner of the deck soffit has wide cracks, and delaminations with rust leachate. - Local spalls to deck soffit behind bearings. - Deck soffit, away from expansion joints, generally defect free, F2 to F1. - Expansion joint end dams have severe spalls exposing reinforcement with severe section loss. Wide spread delaminations in other areas across the dams. 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:	U - Uninspectable		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Northeast corner asphalt, adjacent to the concrete end dam, has a patch suspected to be spalling to the concrete deck. - Structure rail is four rail aluminum system on posts. One post impacted and torn. - Guiderrail structures installed relatively recently but not connected to end blocks. Posts and rail in fair condition, F2. All hazard markers missing. - Curb tops covered in snow. Uninspectable. - Asphalt surface in fair condition with no concerning 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. - Complete various concrete repairs to abutments, wingwalls & post-tension blockout. - Install hazard markers and connect guiderail to end blocks - Replace torn structure rail post.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	P Expansion joints P3 structure soffit corners. F1 remainder		

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