

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B03252024-2
Date: 9/26/2023	Inspected By: M Button / T Upshall	Category: Eng. - Engineering
BRIDGE INFORMATION		
Site:	TCH-117 - SALMONIER LINE UNDERPASS - R90	
SUBSTRUCTURE		
Condition:	F2 - Fair	Bearings: F1 - Fair
		Bearing Seat: F1 - Fair
Comments:	Light surface corrosion with less than 10 percent section loss of material (scaling) to bearings. Large pieces of spalled concrete accumulating on bearing seat from vertical face of deck adjacent to ballast wall. Medium spalling, vertical cracks and rust stains on abutment faces. Hairline vertical/horizontal cracks with rust stained surface in NW wingwall. Hairline cracking in center piers.	
SUPERSTRUCTURE		
Condition:	F1 - Fair	Expansion Joints: P3 - Poor
Comments:	Medium abrasions, deformations, spalling with exposed reinforcement and light surface corrosion to expansion joints. Severe spalling with exposed corroded reinforcement to NE deck soffit over bearing seat. Severe spalling, delamination, exposed reinforcement and wide vertical crack in SE deck soffit over bearing seat.	
DECK		
Condition:	F2 - Fair	Curbs: F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition: F2 - Fair
Approach Rail:	F2 - Fair	
Comments:	Medium scaling to surface of end blocks and curbs. New structural guiderail installed but not attached to end blocks. No hazard markers. Sand accumulating along curbs and in expansion joint seals.	
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:		
REPLACEMENT/REHABILITATION		
Next Rehab. Date:	2028	Replacement Year: 2055
Antic. Rehab. Cost:	\$0	Replacement Cost: \$0
Recommendations:	Repair concrete defects. Install hazard markers. Clean concrete debris from bearing seat. Replace expansion joints.	
OBSERVATIONS		
Overall Condition:	P3 - Poor	Requires Further Inspection: No
Additional Observations:	P3 - Expansion joints and spalling to deck soffit.	