

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01222025-7	
Date: 1/21/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-142 - FOWLER'S ROAD UNDERPASS - R2			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	All substructure components wingwalls, abutments, piers (footing/cap) contain narrow pattern cracking F1. Unable to inspect bearings and bearing seat due to traffic and height restrictions. Abutment faces have isolated delaminated areas in the bottom three meters adjacent to traffic lane subject to salt spray.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Narrow pattern cracking and rust stained surface from corrosion of deck reinforcement in soffit near south bearing P3. The deck may contain cracks beneath the asphalt allowing water to leachate through the slab progressing cracking and corrosion to reinforcement. Very wide longitudinal crack in deck soffit over NW bearing seat P3. Medium delamination's observed in deck soffit south span. North and south expansion joint seals are full of sand and the steel embedment plates in the west sidewalk are bent from snow clearing equipment allowing water to leak onto bearing seat. Severe cracking/disintegration to SW fascia near expansion joint. Wide horizontal cracks to NE fascia near expansion joint. Remaining fascia contains hairline pattern cracking with light efflorescence.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	Medium longitudinal cracks, light spalls/disintegration in top face of sidewalk and curbs. Severe spall to top of NE end block. Aluminum handrails in fair condition. Wide transverse crack in SW sidewalk which travels in the same direction as a medium transverse crack in asphalt. End blocks and curb have light to moderate scaling throughout. Asphalt in fair condition with light raveling. Erosion at NW corner undermining sidewalk ramp.				
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:	2026	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace expansion joints and repair the south deck soffit within 5 years.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					

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