

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05312022-6	
Date: 5/29/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site: 1-142 - FOWLER'S ROAD UNDERPASS - R2					
SUBSTRUCTURE					
Condition: F1 - Fair		Bearings: F1 - Fair			
		Bearing Seat: F1 - Fair			
Comments: - The north and south abutments and its wingwalls have light to moderate map cracking throughout with isolated areas of rust staining, F1. - Pier footing has moderate cracking in isolated locations, F1. - Pier columns have narrow map cracking throughout, F1. - Pier cap is in fair condition, F1. - Bearings and bearing seat too high for inspection but there is no visible signs of rust or other deterioration from below, Assumed F1.					
SUPERSTRUCTURE					
Condition: F1 - Fair		Expansion Joints: F1 - Fair			
Comments: - South abutment expansion joint curb area not sealed, north abutments seals ok. - Both the north and south expansion joint steel embedment plates are bent and pullout out from the concrete on the west side. Suspect this gap to be to the cause of the efflorescence of the deck soffit below. Seals are full of gravel and maybe leaking. - East fascia in fair condition. - West fascia has severe cracking and disintegration on the south west corner around the expansion joint. The west fascia otherwise in fair condition, F1. - Deck soffit has narrow cracks leaching efflorescence around the area of all expansion joints. North span deck soffit, F2 with no observable defects. South span deck soffit has severe rust staining through hairline map cracks extending approximately 3m north from the south abutment.					
DECK					
Condition: F1 - Fair		Curbs: F1 - Fair			
Hand Rail: F2 - Fair		Roadway Condition: F2 - Fair			
Approach Rail: F2 - Fair					
Comments: - End blocks have light scaling throughout. The northeast end block has a small spall to the top corner. - Structure rails in fair condition. - All hazard markers in place. - Sidewalk has a large crack on the southwest side of the bridge, otherwise in fair condition. - Curb has light to moderate scaling throughout. - Asphalt in fair condition, 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: 2026		Replacement Year: 2040			
Antic. Rehab. Cost: \$50,000		Replacement Cost: \$3,500,000			
Recommendations: - Replace expansion joints and repair the south deck soffit within 5 years.					
OBSERVATIONS					
Overall Condition: F1 - Fair		Requires Further Inspection: No			
Additional Observations: - Bridge F1 overall. Hazards traffic and steep slopes.					