

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01222025-3	
Date: 1/21/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-374 - OLD PENNYWELL ROAD UNDERPASS - R3			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	- Abutments, bearing plinths, bearings all in good condition with minimal defects to none, F2 - Gap with sealant between wingwalls and deck has failed, P. The area needs to be resealed as soon as possible, P. Quick remediation will prevent unnecessary damage to the bearings, plinths and bearing seat of the abutment. - South abutment coping/handrail atop the MSE wall has an area that has tipped. Locally P1 otherwise, F2. - North abutment coping atop the MSE wall has various spalled areas. Locally P1 otherwise, F2. - Pier and pier cap inspection limited due to traffic and height restrictions. Based on visual assessment from the ground, elements appear in fair condition, F2.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	- Deck soffit has no observable defects				
DECK					
Condition:	F2 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below, F1 to F2. - Structure rail has isolated rusted nuts, F2. - Approach rail has a damaged buried end on the southwest corner of the structure, P3. Otherwise, approach rail condition F2 overall with minor defects. - Curbs have isolated locations with hairline cracks, F1. - Asphalt has transverse cracks at the joint over both approach slabs, P3. Asphalt is otherwise defect free, 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. Structure is over route 3.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2100		
Antic. Rehab. Cost:	\$50,000	Replacement Cost:	\$7,000,000		
Recommendations:	- Replace all caulking in abutment joints to the bearing seat as soon as possible. Backerrod should be salvageable. - Repair coping atop MSE walls. - Remove/cover all graffiti. - Seal both transverse cracks in asphalt over the approach slabs.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations: - Structure in fair to good condition overall except as noted above.					