

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02252025-1	
Date: 2/13/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-259 - COOTE'S POND BRIDGE NO.2 - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	P3 - Poor		
Comments:	- The top of the northeast wingwall is has widespread disintegration, P1. Remaining areas of this wingwall and other wingwalls have no significant defects, F1. - Abutment corners have local disintegration, P3. - Abutment faces gave isolated cracks with light to moderate efflorescence, F1. Green algae staining throughout. - Bearing seat perimeter has local spalls on the exterior corners, F1 to P3. Remainder in fair condition with no significant defects, F1. - No visible bearings.				
SUPERSTRUCTURE					
Condition:	P - Poor	Expansion Joints:	P - Poor		
Comments:	- Double tees have global low cover issues with numerous small spalls, F1. - The third interior double tee from the east fascia and over the north abutment has spalls, wide cracks and delamination to the bottom flange. One pre-stressing cable is exposed with very severe corrosion with >50% section loss. Damage caused from an old deck drain above, P. - All remaining double tees in fair condition, F1. - No visible leakage between double tee pre-cast sections indicating that the cast in place is maintaining waterproofing capabilities and is not heavily cracked. - Expansion gaps not sealed in the curb areas and is causing damaged to the abutment corners and bearing seat exterior. No visible leakage onto abutment faces. Poor due to element not functioning as intended and its causing distress to elements below. - Superstructure F1 outside the poor double tee.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	G - Good		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - Curb tops covered in snow and not inspectable. - Exterior vertical faces of the curb have moderate to severe scaling throughout. - Construction joint between the deck and curbs have severe disintegration and are open widely along the length of the bridge. Vegetation growing from the area, P1. - Structure rail is original concrete system. All rails have light scaling throughout. All posts have narrow cracks with moderate to severe efflorescence, P3. - All end blocks have hairline map cracks with light efflorescence, F1 to P3. - Approach rail/guiderail in fair condition with no observed defects. Guiderail not of type guiderail structures. F2 - Asphalt has no significant defects and looks new, G. - No hazard markers.				
HYDROLOGY					
Water Velocity:	< 1 m/s	Ice Problem:	N - No Problem		
Water Depth:	< 1 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- No comments.				
REPLACEMENT/REHABILITATION					
2035					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$N/A	Replacement Cost:	\$2,500,000
Recommendations:	- Rehabilitation unlikely due to current age and level of distress. Continue to monitor on future inspection and likely replace inside 10 years.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Potential fiber optic line attached to west fascia.		

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