

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02172025-7	
Date: 2/12/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-206 - PLACENTIA JUNCTION CNR OVERPASS - R100			
SUBSTRUCTURE					
Condition:	P - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	P3 - Poor		
Comments:	- Both abutment faces are completely covered with iron and efflorescent leachate. - The northwest and northeast corners of the north abutment have severe scour exposing several piles with severe corrosion, P. - Bearing seat perimeter has spalls on abutment corners and is assumed to otherwise be in fair condition, F1. - No bearings visible between abutment and bridge deck. Pier bearings too high for inspection. - Both pier caps have light cracking with efflorescence on their exteriors but otherwise in fair condition, F1. - Pier columns have no significant defects. - Pier footings have narrow map cracks throughout.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	P - Poor		
Comments:	- Deck fascia over the piers and abutments have wide map cracks with moderate to severe efflorescence, P3 to P1. F1 remainder. - Deck soffit has several locations in each span with spalls/disintegration all of which are leaching efflorescent and iron material, P1. - Deck soffit has wide longitudinal cracks extending beyond the piers in both directions. - Deck soffit areas not noted above, F1. - Construction joint between deck and curbs leaching efflorescent material in numerous locations, P3. - Expansion joints paved over and visibly leaking/damaging elements below, P. - The bridge deck exterior corners have small to moderate spalls over the expansion joints, P3.				
DECK					
Condition:	P1 - Poor	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	P - Poor		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Sections of the concrete deck have been exposed by large potholes. Concrete deck in these areas have wide cracks and delaminations throughout, P3 to P1. - End blocks have hairline map cracks throughout. - Approach rails in fair condition but not of type "Guiderail Structures". - Asphalt has large deep potholes in both travel lanes and wide map cracks over the expansion joints, P. - Curb tops covered in snow but spalls with exposed reinforcement visible in some areas. Curb exteriors have hairline map cracks throughout. Both curb soffits have wide longitudinal cracks extending the full length of the bridge with some areas leaching efflorescent material, P3 to P1. - Original concrete structure railing has numerous spalls and cracks throughout, P3.				
HYDROLOGY					
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable		
Water Depth:	n/a m	Scour Problem:	K - Known Problem		
Waterway:	03 - Not Applicable	Debris Problem:	N - No Problem		
Comments:	- Not applicable. Bridge is over the old railway. - Severe runoff scour to north abutment footing.				
REPLACEMENT/REHABILITATION					
2030					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$N/A	Replacement Cost:	\$2,500,000
Recommendations: - Replace structure with a multiplate. - Repair potholes on bridge deck asap. - Install hazard markers asap.			
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations: - P north abutment scour and bridge deck potholes. - P3 to P1 remainder.			

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