

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02172025-1	
Date: 2/12/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-246 - NEW PERLICAN POND BRIDGE - R80			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	U - Uninspectable		
		Bearing Seat:	P3 - Poor		
Comments:	Severe disintegration, delamination, and narrow pattern cracking with medium efflorescence to NE/SE bearing seat and abutment corners. NW and SE bearing seat has a medium spall beneath the exterior double tee, P3. Severe corrosion to steel shim packs on both bearing seats. Face of both abutments in fair condition, F1. Structure does not contain wingwalls.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	No leakage or staining observed between pre-cast double tee sections, F1. North exterior double tee previously patched at mid-span. Wide horizontal cracks still present at this location, P3. Northeast and southeast double tee bearing blocks have light disintegration with medium map cracking and efflorescence. This is likely caused from roadway run off. Remainder of double tees in fair condition with light spalls, F1. Bottom of deck/precast panels around deck drains and isolated locations under the exterior soffits have exposed rebar mat, P3. Deck drain locations depositing water onto double tees and is traveling along the bottom of deck causing deterioration to concrete and exposed reinforcement, P3. Water observed running down over each abutments face in certain locations. Possible expansion joint leakage. Some of this water is from the deck drains.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Very severe spalling, disintegration, and wide cracks to north and south curbs and exterior fascia, P3. Very severe spall to NE handrail with exposed reinforcement. Numerous medium spalls in concrete handrail posts. No hazard markers, approach/exit guiderail, or end blocks. No observed defects in asphalt. Northwest deck drain paved over.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Flow rate is very low. Medium vegetation growth on the southeast corner of the structure.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair northeast and southeast double tee bearing areas. Repair north double tee at mid-span. Extend and seal around new deck drains. Install hazard markers. Replace curbs and handrails.				

OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Bridge generally in fair condition. Some areas as indicated above need rehabilitation work. Installation of new deck drains extending beyond the beams is the most crucial for preservation of the structure's life.		

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