

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01282025-4	
Date: 1/23/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-315 - PENSTOCK BRIDGE - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Original structure extended approximately 3.0 meters upstream and downstream. Assumed condition of buried reinforced concrete frame leg footings. Narrow pattern cracking with light efflorescence deposits on SW wing wall. Very wide vertical crack and narrow vertical/horizontal cracks with light efflorescence, medium erosion, and scour to NW wing wall.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Wide horizontal/vertical cracks with medium efflorescence deposits on original frame leg faces and downstream extension. Severe disintegration/delamination/spalling to downstream frame legs and original upstream frame leg faces. Medium scaling/erosion to frame leg faces. Hairline pattern cracking and wide longitudinal/transverse cracks with light efflorescence deposits in original/downstream extension soffit. Wide horizontal crack in haunch of SW frame leg. Wide transverse crack with severe spall to NW soffit upstream.				
DECK					
Condition:	P3 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	I - Inapplicable				
Comments:	Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Severe disintegration/delamination/spalling with severe rusting to exposed reinforcement in original structure. Heavy efflorescence deposit leaking through construction joint at recent deck/curb repairs. Narrow cracks with light efflorescence in upstream curb/deck fascia. Asphalt has medium edge cracking, medium longitudinal cracks, medium alligator cracks, and severe wheel track rutting. No end blocks, approach/exit guiderail or hazard markers.				
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:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2032		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:					
OBSERVATIONS					

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	P3 - Original structure and downstream extension. F1 - Upstream extension. Minor repair done to top of deck on downstream extension to accommodate re-installation of salvaged aluminum handrail.		

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