

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11132024-7	
Date: 11/13/2024		Inspected By: Lars/Sarah		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-047 - WITLESS BAY BROOK BRIDGE - R10			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	Leaking expansion joint causing severe deterioration. very large cracks in wing walls. Severe concrete erosion/scour under southern abutment. Erosion visible downstream from photos. Severe scour under SW retaining wall. Medium erosion on the North abutment at water line. Med map cracking with medium efflorescence throughout abutment and wing walls. erosion at SW wing wall. Severe concrete deterioration on fascia and wing walls at joint.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	P1 - Poor		
Comments:	Exposed reinforcement at all flanges and webs of double T girders and severe corrosion in isolation locations. Severe concrete spalls on double Ts, 3 bottom strands exposed on US exterior girder and 1 bottom strand exposed on DS exterior girder.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Some missing posts on approach rail. No hard markers. Moderate damage to handrail. Cracking and medium spalls to curbs. Deck condition largely uninspectable due to paving on top and girders below.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Erosion and scour issues throughout. Severe scour south side.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace within 2-3 years.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	No		
Additional Observations:	Inspect yearly. Bridge is very close to end of life.				