

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B07102024-9	
Date: 7/8/2024		Inspected By: D. Burns/J. Rowe		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-015 - BOAT HARBOUR BRIDGE - R215			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	F1 - Fair		
Comments:	Previous inspection - Both timber creosote abutment faces appear in fair condition from the wingwall area. The ends of some cribbing members visible from the wingwall area have splits separating the member. No direct inspection completed due to water levels. - All timber wingwalls have tipped outwards over time. Creosote timbers in fair condition. New inspection - All concerns persist.				
SUPERSTRUCTURE					
Condition:	U - Uninspectable	Expansion Joints:	I - Inapplicable		
Comments:	Previous inspection - Timber beams and deck soffit (chesses) uninspectable due to water levels. Exterior timber beams in fair condition with various checks and shakes. New inspection - These concerns persist, still unable to inspect due to high waters.				
DECK					
Condition:	F1 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	P1 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor				
Comments:	Asphalt in poor condition and patchy near deck timbers. Hazard markers are minorly damaged. Deck raceway is damaged in some areas and has a lip on approach 2. sand and salt build up littering the deck. Bridge rail unlikely to withstand impact.				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	ti m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Tidal and deep waterway.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2025	Replacement Year:	2030		
Antic. Rehab. Cost:	\$20,000	Replacement Cost:	\$800,000		
Recommendations:	Previous inspection - Replace rail. - Repair section of the raceway. Replace guiderail. - Recommend to replace the old timber creosote bridge with a culvert or precast frame within 10 years.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Limited inspection due to water level. Bridge timbers are seeping creosote.				