

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01162023-5	
Date: 1/13/2023		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-276 - NORTH HARBOUR RIVER BRIDGE - R91			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Light honeycombing to NE wingwall and face of east abutment. Light erosion to face of east/west abutments at water mark. Hairline vertical/horizontal cracks with light efflorescence deposits in all wingwalls.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	F2 - Fair		
Comments:	P1 NW end block/curb fascia, F2 Remainder Severe spall with exposed corroded reinforcement to NW end block and exterior curb fascia. The spall has exposed lumber embedded in the concrete between the end block and curb. Caulking between deck and abutment curb gaps including gaps at the exterior deck keyway at all corners of structure have moderate to severe deterioration. Hairline map cracks in all end blocks.				
DECK					
Condition:	F2 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Unable to inspect deck, curbs, and approaches due to snow. Light abrasions to concrete end blocks and aluminum handrails. NW/SE hazard markers faded. West approach rail damaged by snow clearing equipment. Guiderail posts showing moderate decay.				
HYDROLOGY					
Water Velocity:	0.1 m/s	Ice Problem:	K - Known Problem		
Water Depth:	0.5 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Moderate embankment erosion at all corners of structure near end blocks.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2028	Replacement Year:	2070		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace NW end block and repair curb fascia. Install embankment protection to reduce erosion. Replace faded hazard markers. Caulk gaps where required. Replace damaged approach rail.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Overall structure remains in fair condition aside from the severe spall at the NW end block/curb fascia.				