

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B04162025-2	
Date: 4/16/2025		Inspected By: L Christensen		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		2-072 - RANDOM ISLAND CAUSEWAY BRIDGE - R231			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F1 - Fair		
		Bearing Seat:	P3 - Poor		
Comments:	Wing walls in P1 condition, extreme crack mapping and EFF. Undermining/erosion abut. # 2 left wing wall. Undermining of both abutments, piles exposed on western abutment. Crack mapping throughout face of both abutments, larger around the built in drain holes.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P1 - Poor		
Comments:	Expansion joints are very damaged and leaking. Girders are generally in F1 condition, with isolated areas of deterioration on P3 condition around deck drains and where there is a hole in the deck from a core that is leaking directly onto a girder. Girders ends in P3 due to leaking expansion joints. Exterior girders (adjoining deck drains) are more heavily deteriorated and showing signs of corrosion cracking in the bottom flange.				
DECK					
Condition:	P3 - Poor	Curbs:	P - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor				
Comments:	Large sections of curb and deck fascia completely missing due to deterioration. Deck soffit showing mild EFF throughout. Evidence of water movement through the deck. isolated deck areas in P poor condition around drains and core hole.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:					
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	Rehab required in the short term to prolong structure life, or replacement required in the short/medium term. If drainage issues from deck drains and expansion joints are not fixed, girders will continue their expedited deterioration.				