

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05272022-8	
Date: 5/3/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-150 - CAPE BROYLE BRIDGE - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of buried reinforced concrete frame leg footings and approach slabs.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Hairline map cracks in all four wing walls. Medium efflorescence deposits in vertical construction joints between wing walls and rigid frame at all four corners. Some narrow vertical cracks in faces of both frame legs extending up vertically into leg haunch. Narrow vertical cracks with light efflorescence deposits in exterior frame leg faces. North and south frame leg faces covered in graffiti.				
DECK					
Condition:	F2 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	F2 - Fair				
Comments:	Severe erosion under NW rock embedded concrete gutter. Gabions sliding down embankment. Hairline map cracks and narrow vertical cracks in concrete barrier walls. NE hazard marker missing. Narrow transverse/longitudinal cracks in deck soffit. Severe embankment erosion NW corner of structure. Medium transverse cracks with light alligator cracks in asphalt at both approaches. Some medium rutting and potholes in asphalt deck and approaches. NE guiderail blocks shifted. Wide vertical crack and medium erosion at SE concrete gutter.				
HYDROLOGY					
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.3 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:	2050		
Antic. Rehab. Cost:	\$30,000.00	Replacement Cost:	\$800,000.00		
Recommendations:	Repair NW embankment/concrete gutter erosion. Install NE hazard marker. Repair asphalt on deck and approaches. Repair concrete/erosion SE concrete gutter.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					