

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05282022-6	
Date: 4/12/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-291 - ROBINSONS RIVER BRIDGE - R20			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Original structure extended approximately 6.0 meters downstream. Medium erosion and possible scour to bottom of west frame leg. Downstream wing walls narrow vertical/pattern cracks, very wide vertical/horizontal cracks with light efflorescence and medium spalling to SE corner of frame leg.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Construction joint between frame leg and wing wall SW opening up with very wide crack, medium spalling and disintegration. Light-medium honeycombing on frame leg at numerous locations. Narrow-medium horizontal/vertical cracks with light deposits of efflorescence on frame legs.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	F2 - Fair				
Comments:	Narrow transverse/longitudinal cracks with light efflor deposits and severe spalling with exposed rebar to soffit. Severe delamination/spalling with exposed rebar and wide vertical cracks to concrete handrail. No hazard markers on structure. Asphalt has severe pot holes, raveling, light edge cracks, and medium transverse cracks.				
HYDROLOGY					
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.4 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:	2030		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$500,000.00		
Recommendations:	Resurface deck with new asphalt, install new hazard markers, repair concrete defects, monitor erosion/scour west frame leg.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					