

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05272022-14</b>	
Date: 4/12/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-290 - ROBINSONS BROOK BRIDGE - R20			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of buried reinforced concrete frame leg footings. Medium erosion and possible scour to south footing. Medium erosion along north and south frame legs.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Exposed corroded steel ties on north/south frame legs at numerous locations. Hairline vertical cracks in faces of north/south frame legs.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	Narrow vertical cracks with efflorescence deposits on east/west fascia beneath aluminum handrail post. Medium spall to NE corner of curb. Medium embankment erosion with rip rap falling into stream at SE/SW corners of structure. Aluminum handrail has light abrasions and missing end caps. Vegetation growing along east/west curbs. No hazards markers on structure.				
<b>HYDROLOGY</b>					
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.3 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	River alignment flows along south footing causing erosion of the footing and frame leg and possible scour.				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2024	Replacement Year:	2030		
Antic. Rehab. Cost:	\$25,000.00	Replacement Cost:	\$250,000.00		
Recommendations:	Install rip rap at structures corners, monitor scour at south footing, install hazard markers and approach/exit rail. Replace aluminum handrail end caps.				
<b>OBSERVATIONS</b>					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					