

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11152024-1	
Date: 11/11/2024		Inspected By: T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-121 - COLLIERS RIVER BRIDGE - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Wide pattern cracking with severe efflorescence deposit on SW wingwall/ballast wall. Medium vertical/longitudinal cracks in abutments and bearing seats. Erosion washing embankment material onto bearing seat. Unable to inspect downstream wingwalls due to embankments.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	F1 - Fair		
Comments:	Severe spalling and delamination with medium corrosion to exposed reinforcement in upstream and downstream cantilever soffit. The upstream cantilever soffit contains a very wide longitudinal crack leaking efflorescence and is progressively worse than downstream, P3. Severe delamination with medium horizontal cracks and evidence of corrosion to east center girder end over elastomeric bearing. Light spalling with light corrosion to exposed reinforcement on downstream exterior girder near abutment. Medium spalling with exposed reinforcement to numerous girder ends over bearing seat. Narrow horizontal cracks observed along top/bottom flange of numerous girders. Narrow horizontal/vertical cracks and light spalling with exposed reinforcement in diaphragms over abutments. Hairline transverse cracks with light efflorescence in soffit at deck drain locations. Expansion joints not visible from roadway other than transverse cracks in asphalt.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Narrow horizontal cracks with light efflorescence on upstream curb fascia. Very wide cracks with medium abrasions to interior curb face. Narrow pattern cracking in sidewalk surface. Damage to hazard marker and approach rail posts at NW corner.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2025	Replacement Year:	2045		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair all concrete defects and remove debris from bearing seat. Install new guiderail posts at NW exit.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:					

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.