

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03262024-5	
Date: 2/23/2024		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-041 - COLINET RIVER BRIDGE - R91			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Assumed condition of buried/submerged concrete abutment/pier footings. Medium pattern cracking and severe erosion to center pier P3. Medium vertical cracks in abutments. Light deformation to north elastomeric bearing pad. Unable to inspect center pier bearings due to height/water restrictions. Medium vertical cracks and medium honeycombing with exposed reinforcement in wingwalls. Exposed steel form ties in center pier and diaphragms. Severe erosion to NW corner with light undermining of wingwall.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Wide pattern cracking in exposed concrete deck. Narrow horizontal cracks in web of exterior girders. Narrow transverse/longitudinal cracks with light efflorescence and severe honeycombing in deck soffit. Light spalling with exposed corroded stirrups in girder web/bottom flange from inadequate concrete cover. Medium deposits of efflorescence on south end diaphragms and girders leaking from soffit joint. Severe delamination in diaphragms mid span and bottom flange of girders. Medium transverse cracks and light abrasions to expansion joints.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Narrow pattern cracking in all end blocks. Narrow vertical/horizontal/pattern cracks in curb fascia. Efflorescence leaking through curb/deck fascia joint. Reflectorized stripes faded on NW/SE hazard markers. Medium transverse asphalt cracks adjacent to expansion joint. Missing end caps and light abrasions to aluminum railing.				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	Tidal m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2025	Replacement Year:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair concrete defects. Clean debris from expansion joint seals. Fix erosion to NW embankment. Replace NW/SE hazard markers.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	P3 Erosion to center pier. F1 Remainder.				