

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B04162026-1	
Date: 4/15/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-370 - BIRCHY NAP UNDERPASS - R20-A			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	- Assumed condition of buried concrete footings. - Concrete abutments covered in graffiti light scaling throughout. East abutment ballast wall has hairline to narrow vertical cracks with light efflorescence, F2. - West bearing points are free to slide. Weld surrounding fixed bearing plate uncoated and has formed a surface patina. *On the northwest corner localized deformation is present at the rocker bearing saddle (transom seat connection). The nature and location of the distortion are consistent with prior jacking or lifting activities, where load was applied directly to the saddle/knuckle rather than through the node. No evidence of widespread distortion, anchor movement, or global misalignment observed. The condition appears historical and not indicative of ongoing structural distress*.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	- No defects of concern within steel panels. Very light corrosion/patina on all pins. Coating on some individual elements showing hairline pattern cracking. - Wheel guard washer timbers have severe longitudinal splits. - Soffit of chesses damp throughout. Inspection of ends limited due to access. Overall appear in fair condition, F2. - Top chord stiffeners full of water towards their east side (downhill). No drains installed. - 25mmx25mm wire mesh attached for dropped object prevention has light to moderate corrosion and is causing staining to panel elements. - Expansion joint is a gap between timbers and concrete abutment. Not applicable.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	- Some raceway members have moderate splits and local abrasions. No protruding nails or large sections missing from members, F1. - Tops of chesses damp but have no defects of concern. - Structure rail consists of flex rail attached to panels via bolts and 6x6 shims. Railing has no defects of concern. - Barrier above wingwalls consists of a cast-in-place concrete barrier. Concrete covered in graffiti with hairline cracks. - Guiderail not of type guiderail structures but is connected to end blocks/barrier. Alders growing in approach gravels. Posts/rail overall in fair condition. Hazard markers covered in graffiti. - Curbs/timber wheel guards have severe splits in some members. Minor to moderate abrasions throughout. - Asphalt surface on approaches over all in fair condition, F2.				
HYDROLOGY					
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable		
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable		
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable		
Comments:	- Not applicable. Route 20 below.				
REPLACEMENT/REHABILITATION					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations: - Replace hazard markers. - Remove graffiti.			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations: - Structure in fair to good condition overall.			

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