

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01272025-2	
Date: 1/23/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-073 - VITCH'S BRIDGE - R60			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	- Downstream abutment/frame leg corners have numerous narrow cracks leaching efflorescent materials, P3. - Other than noted above, abutment/frame leg faces have moderate scaling throughout with light to moderate concrete erosion at the waterline, F1. - Downstream wingwall has numerous cracks leaching efflorescent material, P3. - Upstream wingwalls has numerous spalls and delaminations throughout, P3.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	- All original railway track beams are exposed or have severe delaminations & spalls to the covering concrete, P3 to P1. - Deck soffit on the downstream side, near the corner to the fascia, has numerous narrow cracks with efflorescent leachate. Beach rock honeycombs leaching efflorescent materials also visible in the area from original construction, P1. - No leaking visible between structure extensions. - Downstream fascia has numerous spalls exposing beach rock aggregate. Other areas have delaminations, P3. - Upstream fascia in fair condition, F1.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	I - Inapplicable				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - Asphalt has potholes though the surface course in numerous locations. Severe rutting on structure, P3. - Four rail aluminum system in fair condition with minor dents/scrapes, F1. - No approach guiderail, or end blocks. - Hazard markers attached to blunt end of 4 rail system. Some markers missing and all are at the incorrect height. - Curb tops snow covered and not inspectable. - Construction joint between deck and curb open and leaking on the upstream side. Suspect majority of curb has delaminated from the deck, P3. Downstream curb in fair condition, F1.				
HYDROLOGY					
Water Velocity:	Slow m/s	Ice Problem:	N - No Problem		
Water Depth:	Shallow m	Scour Problem:	K - Known Problem		
Waterway:	02 - InAdequate	Debris Problem:	K - Known Problem		
Comments:	- Steep riverbed grade change in the middle of the structure. - Slope migration on the downstream side that restricts the channel by ~50%.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2030		
Antic. Rehab. Cost:	\$N/A	Replacement Cost:	\$2,000,000		
Recommendations:	- Replace structure				

OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations: - Structure in poor condition. Replace.			

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