

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B07242025-3	
Date: 10/7/2024		Inspected By: C.Spencer		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		4-103 - MIDDLE BROOK BRIDGE - R431			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	P1 - Poor		
		Bearing Seat:	F1 - Fair		
Comments:	Discoloration noted on abutments. Bearings cracked. Cracking and discoloration on wingwalls with exposed rebar.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Expansion joints paved over. Concrete around expansion joint on outside of bridge spalling, large area of discoloration. Overhang on downstream side (under curb), has numerous spalls exposing reinforcement				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	Asphalt settled over expansion joints with wide transverse and map cracks. Area also has potholes. Winter sand buildup along curb and deck drains. No end block, no hazard markers, no approach rail. Hand rail bent and disconnected in places.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	02 - InAdequate	Debris Problem:	N - No Problem		
Comments:	River bed recently rock lined. Southwest structure corner needs new riprap. Slope severely undermined along wingwall.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:					
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					

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