

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05062022-8	
Date: 4/11/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-107 - AQUAFORTE RIVER BRIDGE - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	No visible signs of footings. Abutments poured directly onto bedrock. Medium erosion/scour to west abutment at waterline. Narrow vertical/horizontal cracks with efflorescence deposits to abutments faces and wing walls.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair		
Comments:	Severe delamination/spalling to west center end diaphragm. Medium spall near bearing to NE exterior girder. Some narrow longitudinal cracks along bottom flanges of girders. Expansion joint dams are paved over with exposed areas having medium delamination/spalling, abrasion, with some narrow longitudinal cracks. SW exterior girder medium spalling with exposed rebar near bearing seat.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	Narrow vertical/horizontal cracks in all four end blocks. Narrow vertical/horizontal and pattern cracks to upstream and downstream fascia and curbs. Medium delamination/spalling to NE cantilever soffit. Slope erosion to SE corner of structure. Light raveling to asphalt with small potholes and medium transverse cracks near expansion joint dams.				
HYDROLOGY					
Water Velocity:	1.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	1.0 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2036		
Antic. Rehab. Cost:	\$25,000.00	Replacement Cost:	\$1,500,000.00		
Recommendations:	Resurface asphalt deck/approaches, clean out expansion joints, repair concrete defects, repair slope erosion to SE corner.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Structure rehabbed in 2008				