

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02032023-1	
Date: 1/31/2023		Inspected By: Jeff Ward		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-060 - BLACK RIVER BRIDGE - R90			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed cond. of buried/submerged reinforced conc. abut. footings - Narrow horiz./vert. cracks in abutments - Wide longit. crack along top of SE wingwall - Narrow alligator cracking with med. delamin./spalling with light efflor. deposits to all wingwalls - Medium erosion along bottom faces of both abutments up to high water marks - bearing pads very thin/tight with lots of debris behind girders on bearing surface. - Ballast walls have honeycombing, spalls, with some exposed reinforcing.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	G - Good		
Comments:	- Exp. Joints rehabilitated with rubberized asphalt plugs and plates. - Light delamin./spalling with medium corrosion to exposed reinf. on some girders - Narrow longit. cracks at ends of some girders - Medium spalling at the end of south end exterior downstream girder.				
DECK					
Condition:	F2 - Fair	Curbs:	F1 - Fair		
Hand Rail:	G - Good	Roadway Condition:	G - Good		
Approach Rail:	G - Good				
Comments:	: - Med honeycombing to deck soffit at south end - Narrow/med. horiz./vert. cracks with med. spacing to curb surfaces and fascias - Light/med. corrosion to deck downspouts - Severe spacing to curb tops and fascias at NE expansion gap location. - Light erosion visible at all for corners of curb ends.				
HYDROLOGY					
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.5 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	No Hydraulic rip-rap at corners of structure.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2033	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:					
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Recently rehabbed, mostly deck and major concrete deficiencies were addressed.				