

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05282022-1</b>	
Date: 4/20/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-178 - CROCKER'S BRIDGE - R11			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of buried/submerged frame leg footings.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Medium efflorescence deposits near vertical construction joints between exterior frame legs and abutment wing walls at all four corners. Narrow vertical cracks with light efflorescence deposits in frame legs that travel upwards through the haunch into the deck soffit. Narrow vertical/horizontal/map cracks with light efflorescence deposits in wing walls and end blocks. End blocks also have medium cracks with exposed corroded rebar.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Medium transverse cracks in asphalt near west approach slab. Very wide longitudinal crack NE corner edge of asphalt. Aluminum handrail has medium dents/abrasions with missing end caps. Bolts connecting guiderail to end blocks very corroded. No structural guiderail. Existing guiderail has decaying posts that are tipped away from the roadway. Medium abrasion with medium horizontal/vertical cracks to sidewalk curbs. Medium vertical cracks with exposed rebar to exterior curb facias. Narrow longitudinal cracks with light efflorescence to deck soffit. Narrow vertical/horizontal cracks to deck facia.				
<b>HYDROLOGY</b>					
Water Velocity:	0.0 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:	Medium shoulder/embankment erosion at all four corners of structure.				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2026	Replacement Year:	2040		
Antic. Rehab. Cost:	\$20,000.00	Replacement Cost:	\$1,200,000.00		
Recommendations:	Repair shoulder erosion and install structural approach guiderail.				
<b>OBSERVATIONS</b>					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					