

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B04062022-2	
Date: 4/4/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-132 - HOPEALL BRIDGE - R80			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of submerged/buried reinforced concrete footings for frame legs and pier.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Medium erosion to bottom of pier and frame legs. Narrow pattern cracks with deposits of efflorescence to all four wing walls. Medium vertical cracks in faces of frame legs and pier.				
DECK					
Condition:	F2 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Numerous wide pattern cracks with medium deposits of efflorescence to all four end blocks. SW end block has severe abrasion. Narrow transverse/longitudinal cracks in deck soffit. Medium/wide vertical cracks with deposits of efflorescence to curbs and fascia. Curbs have medium-severe abrasion from snow plows. Wide transverse cracks in asphalt near approach slab joins and numerous potholes on deck. SW aluminum handrail has medium scrapes/dents and missing end caps. Structural guiderail posts showing signs of rot. SW guiderail not attached to post. Only one hazard marker on NW corner of structure.				
HYDROLOGY					
Water Velocity:	1.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.6 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Both streams flow directly into center pier causing medium erosion and possible scour.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:	2040		
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$1000		
Recommendations:	Repair structural approach/exit rail, install four new hazard markers, repair concrete defects, install rip rap/scour rock near center pier, resurface deck and approaches.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					