

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05272022-9	
Date: 4/20/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-141 - KELLIGREWS RIVER BRIDGE - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Assumed condition of buried/submerged reinforced concrete abutment footings. Medium vertical cracks in west abutment face beneath beams. Narrow vertical/horizontal cracks in ballast walls, wingwalls, faces of abutments. Light delamination/spalling to SE bearing seat. Medium honeycombing to face of west abutment and medium erosion to east/west abutments. Faces of abutments covered in graffiti. NW wingwall medium honeycombing, wide crack with light delamination/spall.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Narrow longitudinal/transverse/vertical cracks in beams. Wide vertical/horizontal cracks in NW/SW extension retaining blocks. Corrosion stains on east abutment and ballast walls from leaking plug joint. Light wear and corrosion to east expansion joint.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	Wide vertical/horizontal cracks with medium map cracking in all four end blocks. Wide vertical cracks in curb fascia SE corner. Remainder of deck/curb narrow vertical/transverse cracks. Medium abrasion with light spalling and wide vertical cracks to both sidewalk curbs. NE sidewalk near end block has medium map cracks. Light honeycombing to SE cantilever soffit. Deck drains are blocked with debris and medium corrosion to drain pipe. Aluminum handrail has light dents/abrasions with one section missing on south side. No hazard markers. Slope erosion NW corner. Wide transverse settling crack to NW corner sidewalk.				
HYDROLOGY					
Water Velocity:	0.4 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.4 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	River flows along east abutment only.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2036		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair aluminum handrail, wheelchair ramp, NW erosion, concrete defects. Install approach/exit rail with hazard markers where possible.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					