

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B06082024-3	
Date: 5/22/2024		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-147 - MAKINSONS BRIDGE - R71			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of buried frame leg footings. Narrow vertical/horizontal cracks with medium efflorescence deposits in wingwalls. Light erosion and narrow vertical cracks in frame legs with light efflorescence deposits.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Medium vertical angular cracks with efflorescence deposits to faces of frame legs. Efflorescence leaking from SW soffit indicating corrosion of reinforcement. Medium longitudinal cracks with heavy efflorescence deposits to deck soffit. Narrow transverse cracks with light efflorescence deposits in deck soffit.				
DECK					
Condition:	F1 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Medium pattern cracking in all end blocks and fascia. Medium horizontal cracks in fascia with medium efflorescence. Narrow longitudinal/transverse cracks with medium efflorescence in cantilever curb soffit. Missing hazard markers on approach/exit guiderail. Medium horizontal/vertical/transverse cracks in tops of fascias at both curbs. Medium pothole in asphalt on deck. Cracks and potholes in deck covered in asphalt patching. Sand accumulating along top/face of curbs. Light corrosion to deck drains covered in efflorescence.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2028	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Install new guiderail for structures with end shoe connection and hazard markers. Resurface deck and approaches. Repair concrete defects and fix erosion on corners of structure.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					