

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03012023-2	
Date: 9/28/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		2-083 - LAWN HARBOUR BRIDGE EAST (OLD) - R220-16			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	- Both abutments, all wingwalls, bearing seats and bearings all in fair condition.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor		
Comments:	- Girders and deck soffit in fair condition. - Diaphragms on the north side of the bridge have 300mm plastic culvert penetrating them. - Both expansion joints have damage to their armoring, potholes in the concrete end dams and have seals broken, P1.				
DECK					
Condition:	F2 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Asphalt in fair condition. - Curbs around the expansion joints have large spalls. Roadway surface has spalls exposing reinforcement and suspected widespread delamination. Sidewalk has wide spread spalling exposing reinforcement presenting a tripping hazard with suspected wide spread delamination. - Structure rail in fair condition. - Guiderail in fair condition, connected to end blocks, but does not have regulation post spacing or hazard markers.				
HYDROLOGY					
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem		
Water Depth:	Deep m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Area is tidal. Hydro structure upstream.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2025	Replacement Year:	2050		
Antic. Rehab. Cost:	\$100,000	Replacement Cost:	\$2,000,000		
Recommendations:	- Replace expansion joints. - Replace curbs. - Salvage and reinstall structure rail. - Upgrade guiderail post spacing and place regulation hazard markers.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	- Bridge overall in fair condition with P3 areas. - Waterline attached to north side of structure.				