

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05192022-20</b>	
Date: 5/10/2021		Inspected By: Butler		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		2-115 - LAWN HARBOUR BRIDGE WEST - R220-16			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Concrete abutments and wing walls. Minor erosion in the tidal zone. Large spall on left side wing wall abutment one. Styrofoam left around bearing pads from construction.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	AASHTO girders, some exposed stirrups on girder 2 and 5, minor honeycomb from construction. Plow damage to curb section armour abutment one, styrofoam left in joint from construction, dymeric in fascia gone. Expansion joints have impact damage, poor seals and leakage.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P - Poor				
Comments:	Concrete deck with asphalt wearing surface. Asphalt approaches and deck cracked, raveling, delaminations, potholes. Minor cracking with efflorescence on soffits. Aluminum 4 rail system with concrete end blocks. Approach rail no end shoes, rotted posts, impact damage to approach #2 rail leaving it separated from end block. Water is ponding on all four corners of the deck, directly over the expansion joints. Sidewalk right side, curb have minor abrasion damage.				
<b>HYDROLOGY</b>					
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:	Tidal. Depth and Velocity vary.				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$tbd	Replacement Cost:	\$tbd		
Recommendations:	Replace expansion joints, strip and repave deck. Install new object markers. Place additional rip rap at all corners. Rail poses a safety issue and should be immediately repair.				
<b>OBSERVATIONS</b>					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Waterline attached to downstream side. Approximately 200m downstream of site 2-059, Lawn Bridge West, on R220.				