

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B10042024-4	
Date: 10/4/2024		Inspected By: B. Grandy/D. Avery		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-115 - LAWN HARBOUR BRIDGE WEST - R220-16			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Previous inspection - 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.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Previous inspection - 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. New inspection - Exposed rebar stirrups on girders 2 & 5. Plow damage to curb section armor abutment 1. Impact damage on expansion joints. Minor spalling on girders 2 & 3. Minor exposed rebar on girders 1 & 2.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P - Poor				
Comments:	Previous inspection - 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.				
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:	Previous inspection - Tidal. Depth and Velocity vary.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$tdb	Replacement Cost:	\$tdb		
Recommendations:	Previous inspection - 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 repaired.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Previous inspection - Waterline attached to downstream side. Approximately 200m downstream of site 2-059, Lawn Bridge West, on R220.				