

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B08312023-1</b>	
<b>Date:</b> 8/10/2023	<b>Inspected By:</b> Darrell Avery	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	2-129 - LOCKSTON PARK BRIDGE #2		
<b>Route:</b>	236	<b>Overall Length:</b>	17.4 m
<b>Year Built:</b>	1991	<b>Est:</b> No	<b>Overall Width:</b> 10 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 9 m
<b>Region:</b>	CENTRAL EAST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	1 m
<b>Type of Structure:</b>	03 - Reinforced Concrete Beam/Slab	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	01 - Aluminum Rail	<b>Span No.:</b>	<b>Length</b>
<b>Roadway Surface:</b>	01 - Concrete	1	9
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	U - Uninspectable
<b>Comments:</b>	Previous inspection - Concrete wing walls and abutments. Some efflorescence on abutments due to leaking joints. Abutments have a buildup of efflorescence. New inspection surface cracks at abutment corners.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Previous inspection - Dymeric through curbs in poor condition.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F1 - Fair
	F2 - Fair		F2 - Fair

<b>Hand Rail:</b>		<b>Roadway Condition:</b>	
<b>Approach Rail:</b>	P1 - Poor		
<b>Comments:</b>	Previous inspection - Exposed concrete deck has light cracking. Aluminum bridge rail with concrete end blocks. Significant light and medium cracking in end blocks. Significant cracking in curb fascia. Approach rail damaged at abutment 1 left side and abutment 2 on both sides. No Michigan shoes. Approach rail covered in brush. Abutment #2 end block has impact damage. Potholes on gravel approach at bridge deck. There is buildup of gravel on the deck. Abutment 2 has hole starting in concrete deck about 140mm in diameter and 35mm deep. New inspection - Deck developing more pot holes & top left aluminum bridge rail damaged. Approach guiderail posts are rotting.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	1 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	1 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>			
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$tbd	<b>Replacement Cost:</b>	\$tbd
<b>Recommendations:</b>	Repair approach rail. Repair Deck. Clear brush from approaches. Install hazard marker.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.