
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07262021-10</b>	
<b>Date:</b> 7/5/2021	<b>Inspected By:</b> Justine Geddes	<b>Category:</b> Office - Bridge Office	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	3-067 - SPURRELLS ISLAND BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	19 m
<b>Year Built:</b>	1977	<b>Est:</b> No	<b>Overall Width:</b> 10.3 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 6.8 m
<b>Region:</b>	CENTRAL WEST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	2.3 m
<b>Type of Structure:</b>	02 - Double Tee	<b>Max Depth of N.W.L.:</b>	2.5 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters		
<b>Type of Handrail:</b>	01 - Aluminum Rail		
<b>Roadway Surface:</b>	02 - Asphalt	<b>Spans:</b>	
<b>Alignment Vertical:</b>	01 - Good	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Horizontal:</b>	01 - Good	<u>Span No.:</u>	<u>Length</u>
<b>Restrictions:</b>	No	1	9.8
		2	0
		3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	U - Uninspectable
		<b>Bearing Seat:</b>	F1 - Fair
<b>Comments:</b>	hard to get under this structure to view properly, but everything viewed appeared sound. Suspect long term will get some settlement behind the abutments due to the tidal influence. small area of spall at base of one abutment.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Double Tees starting to show the beginning signs of shear steel rusting and small cracks on underside. Doesn't appear to have leaking joints.		
<b>DECK</b>			
<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	F1 - Fair

<b>Hand Rail:</b>	F1 - Fair	<b>Roadway Condition:</b>	F1 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	asphalt in poor condition, pot holes starting, suspect some small areas of deck repair will be required when asphalt is removed.		

**HYDROLOGY**

<b>Water Velocity:</b>	slow m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	1-2 m	<b>Scour Problem:</b>	P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	There may be small areas of scour underneath, however water is slow and less risk to this structure.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2025	<b>Replacement Year:</b>	2040
<b>Antic. Rehab. Cost:</b>	\$100000	<b>Replacement Cost:</b>	\$5000000
<b>Recommendations:</b>	needs repaving, possible deck repairs and waterproofing. Would also be a candidate for inspection by consultant for full OSIM in the next 5 years.		

**OBSERVATIONS**

<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Utilities pipe on side of bridge. Hard to get under bridge to view completely. Good visibility for traffic, and slow traffic area. Could only access one corner of bridge (north west), slopes too steep at other corners.		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

**PHOTO GUIDELINES:**

**Inspection Photos:**

Please provide photos using guidelines below:

- Any item which inspector feels should be documented by photograph
- All items noted above as being P3, P1, P, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**