

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B08092021-5</b>	
<b>Date:</b> 7/6/2021	<b>Inspected By:</b> Justine Geddes	<b>Category:</b> Office - Bridge Office	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	3-020 - SALT HARBOUR ISLAND BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	17 m
<b>Year Built:</b>	1966	<b>Est:</b> No	<b>Overall Width:</b> 9.5 m
<b>Year Last Rehab.:</b>	1999	<b>Est:</b> No	<b>Roadway Width:</b> 7 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>	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>	03 - Over Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	11
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Cracking and efflorescence throughout the abutment. Abutment is significantly older than the superstructure.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	girders were replaced 98-99 (as informed by local at time of inspection). expansion joints paved over, if exist.		
<b>DECK</b>			
<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F1 - Fair		
<b>Comments:</b>	Scour at end of wingwall/endblock. potholes developing and general uneven surface.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	fast m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	deep m	<b>Scour Problem:</b>	P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	suspect scour at corners of abutments.		

<b>REPLACEMENT/REHABILITATION</b>			
Next Rehab. Date:	2027	Replacement Year:	2031
Antic. Rehab. Cost:	\$100000	Replacement Cost:	\$3000000
Recommendations:	rehab 5 years plus although could be repaved before then. Expect rehab to include deck repairs, paving, some latex modified to abutments. replacement based on abutment condition 10-15 years, possibly with concrete or aluminium arch.		
<b>OBSERVATIONS</b>			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	low/slow traffic, good visibility, narrow shoulder. cannot get completely under bridge due to water, water is fast and deep. hazards: traffic, slipping, falling in water, uneven footing.		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.