

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B01102020-1</b>		
Date: 11/7/2019		Inspected By: Lynch R / Martin L		Category: Eng. - Engineering		
<b>BRIDGE INFORMATION</b>						
Site:	TCH-031 - GANDER RIVER BRIDGE, QUEEN ELIZABETH BRIDGE 2					
Route:		Overall Length:	128.2 m			
Year Built:	2003	Est: No	Overall Width:	13.6 m		
Year Last Rehab.:		Est: No	Roadway Width:	10.5 m		
Region:	CENTRAL WEST		Sidewalk Width:	2 m		
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.:	5 m		
Type of Structure:	13 - Other		Max Depth of N.W.L.:	1.5 m		
Purpose of Structure:	03 - Over Navigable Waters		Spans:			
Type of Handrail:	01 - Aluminum Rail		<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete		1	40	4	0
Alignment Vertical:	01 - Good		2	40	5	0
Alignment Horizontal:	01 - Good		3	48	6	0
Restrictions:	No					
<b>BRIDGE PHOTOS</b>						
<b>SUBSTRUCTURE</b>						
Condition:	F2 - Fair		Bearings:	F2 - Fair		
			Bearing Seat:	F2 - Fair		
Comments:	Hairline crack in abutment #2 from abutment drain. Narrow cracking in Abutment #2					
<b>SUPERSTRUCTURE</b>						
Condition:	F2 - Fair		Expansion Joints:	F2 - Fair		
Comments:	Joints full of winter sand. Minor abrasion on dams.					
<b>DECK</b>						
Condition:	F2 - Fair		Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair		Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair					
Comments:	Minor damage to approach rail. Asphalt cracked at approach slabs.					
<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:	Minor wash outs at corners or structure.					

<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2020	<b>Replacement Year:</b>	2020
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Repair guiderail and wash outs.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Waterline attached to LHS of Bridge. Could not inspect tops of piers but they all appear as good as rest of the structure elements.		
<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>
<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 F3, 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.