
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07142021-1	
Date: 7/14/2021	Inspected By: Justine Geddes	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	3-113 - TRINITY BRIDGE		
Route:		Overall Length:	19.8 m
Year Built:	1975	Est: No	Overall Width: 10.9 m
Year Last Rehab.:	2000	Est: No	Roadway Width: 6.8 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.6 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	01 - Aluminum Rail		
Roadway Surface:	02 - Asphalt	Spans:	
Alignment Vertical:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Alignment Horizontal:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Restrictions:	No	1	14.6
		2	0
		3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	F1 - Fair
		Bearing Seat:	P3 - Poor
Comments:	Double Tees starting to crack at ends. Joints leaking with calcification of abutments - need to build out abutments		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor
Comments:	Double tees should be good for another ten years once abutment is built out, and curbs/drainage fixed, joints are leaking and need to be replaced.		
DECK			
Condition:	F1 - Fair	Curbs:	P1 - Poor
Hand Rail:	P3 - Poor	Roadway Condition:	P1 - Poor

Approach Rail:	F1 - Fair		
Comments:	needs curbs and deck drains installed, replace rail with steel rail (rail support is being eroded)		
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:	No signs of recent flooding, small artificial dam upstream. abutments are out of water		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2022	Replacement Year:	2036
Antic. Rehab. Cost:	\$250000	Replacement Cost:	\$3000000
Recommendations:	recommend rehabilitation soon to prolong life of structure. Double Tees will start degrading soon and expected to have 10-15 years life left, possibly up to 20.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Rehab recommended for 2022		
LEGEND:			
Condition Definitions:		Problem Definitions:	
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.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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			

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