

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09102021-6	
Date: 8/26/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-288 - TWIN BRIDGES #2, FRESHWATER RIVER		
Route:		Overall Length:	19.6 m
Year Built:	1975	Est: Yes	Overall Width: 10.9 m
Year Last Rehab.:		Est: No	Roadway Width: 607 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.35 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.2 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	0.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	11.6
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- Both abutments have some mild erosion from low to high waterline, F2.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	U - Uninspectable
Comments:	- Underside of deck and all double tees in F2 condition. No leakage visible between double tee pre-cast sections. - Deck drains extended below double tees. - No leakage visible under diaphragms, expansion joints likely intact.		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair

Approach Rail:	G - Good		
Comments:	- All new asphalt, approach/exit rails and hazard markers since last inspection, G. - No end blocks. - Handrail in F2 condition but missing end caps. - Curbs F1.		
HYDROLOGY			
Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- High waterline on the abutments provides about 1m freeboard.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2030	Replacement Year:	2040
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$1500000
Recommendations:	- None.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	- Hazards, traffic and slopes. Bridge in good condition.		
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			