

GOVERNMENT OF **NEWFOUNDLAND** AND LABRADOR Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT B10052021-1

Date: 10/3/2021 Inspected By: Justine Geddes Category: Office - Bridge Office

BRIDGE INFORMATION

Site: TCH-202 - ABERDEEN AVE UNDERPASS

Route: 1

2001 Year Built: Est: No Year Last Rehab.: Est: No

Region: **AVALON PENINSULA**

Jurisdiction: Provincial

Type of Structure: 05 - Pre-stressed Concrete Slab 01 - Highway Grade Separation Purpose of Structure:

01 - Aluminum Rail Type of Handrail:

01 - Concrete Roadway Surface: 01 - Good Alignment Vertical: 01 - Good Alignment Horizontal:

No Restrictions:

Overall Length:

30.32 m

Overall Width: 14.1 m 12.9 **m**

Roadway Width: Sidewalk Width:

0.6 **m**

Clearance to R.D. or

5.2 m

Max Depth of N.W.L.:

 $0 \, \mathbf{m}$

Spans:

N.W.L.:

Span No.:	<u>Length</u>	Span No.:	<u>Length</u>
1	14.75	4	0
2	14.75	5	0
3	0	6	0

BRIDGE PHOTOS





SUBSTRUCTURE

F2 - Fair P3 - Poor Condition: Bearings:

> F1 - Fair **Bearing Seat:**

- Steel plate on bearings in severely rusting - Center pier bearings do not appear to be as badly rusted Comments:

SUPERSTRUCTURE

F2 - Fair F1 - Fair Condition: **Expansion Joints:**

- Underside appears to have some leaking Comments:

DECK

F2 - Fair F2 - Fair Condition: Curbs:

F2 - Fair F2 - Fair Hand Rail: **Roadway Condition:**

I					
Approach Rail:	F1 - Fair				
Comments:	- Handrail has a dent in the top - Hazard markers missing - Most posts are required for approach rails close to end blocks (at 3 corners), some bolts missing as well - Small pot holes on deck				
HYDROLOGY					
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable		
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable		
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year	: 2076		
Antic. Rehab. Cost:	\$150	Replacement Cos	:: \$4000		
Recommendations:	- Small area of deck repair - Rusted bearings - Guide rail posts - Hazard markers				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Traffic control required to inspect Hazards include; tripping, slipping, falling				
LEGEND: Condition Definitions: 1-*Good - [discontinued code]. 2-*Fair - [discontinued code]. 3-*Poor - [discontinued code]. 4-*Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: Inspection Photos: Please provide photos using guideling Any item which inspector all items noted above as before a fany evidence of known ice	F2 - Fair. C - Unsafe (Closed to F1 - Fair. U - Uninspectable. P3 - Poor. P1 - Poor. P - Poor. P - Poor. eels should be documented by photograph eens should be documented by photograph	Public).	Problem Definitions: N - No Problem. P - Possible Problem. K - Known Problem. NA - Not Applicable. Category Definitions: Maint Maintenance. Eng Engineering. Office - Bridge Office.		
INSPECTION PHOTOS					

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