

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01192023-5	
Date: 4/19/2022	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-091 - GRAND BAY BRIDGE		
Route:		Overall Length:	59.6 m
Year Built:	1988	Est: No	Overall Width: 15.2 m
Year Last Rehab.:		Est: No	Roadway Width: 14.2 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 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:	02 - Asphalt	1	40.9 4 0
Alignment Vertical:	01 - Good	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Small sections of exposed and corroded rebar noted on one abutment. Some erosion and scouring associated with one abutment. Further assessment is required.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor
Comments:	Light spalling with exposed and corroded rebar noted on one Fascia Girder (unable to assess all girders due to high water levels). Expansion joints are damaged and missing components.		
DECK			
Condition:	F1 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F2 - Fair		
Comments:	Roadway condition associated with the approaches are rough due to asphalt delamination. Light damage noted on end-blocks.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem

Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace expansion joints; repair exposed and corroded rebar		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	Yes
Additional Observations:	No Hazard markers on site. Further assessment of erosion and scouring associated with abutments; further assessment required for girders. Pics on file.		
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 			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.