



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B09222017-2

Date: 9/13/2017

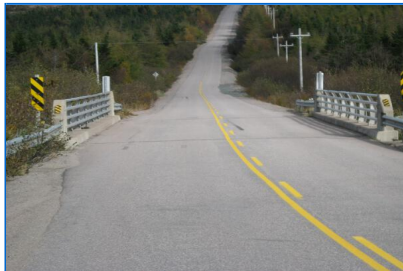
Inspected By: AB

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-033 - GRAND LE PIERRE BROOK BRIDGE NO.1				
Route:	211	Overall Length:	24.2 m		
Year Built:	1994	Est: No	Overall Width:	9.4 m	
Year Last Rehab.:		Est: No	Roadway Width:	8.4 m	
Region:	CENTRAL EAST	Sidewalk Width:	0 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m		
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1 m		
Purpose of Structure:	04 - Over Non-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	11.4	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

BRIDGE PHOTOS





SUBSTRUCTURE

Condition: F2 - Fair **Bearings:** I - Inapplicable
Bearing Seat: I - Inapplicable
Comments: Concrete abutments and wingwalls. Some delaminations abutment one wall, a few light cracks.

SUPERSTRUCTURE

Condition: F2 - Fair **Expansion Joints:** I - Inapplicable
Comments: Reinforced arched concrete deck, light cracking.

DECK

Condition: F2 - Fair **Curbs:** F2 - Fair
Hand Rail: F2 - Fair **Roadway Condition:** F2 - Fair
Approach Rail: F2 - Fair
Comments: Concrete deck with asphalt wearing surface. Some minor settlement at the approaches with some cracking in the asphalt. 4 rail aluminum hand rail with concrete end blocks, some impact spalls on concrete and scrapes on the rail. Approach rail has alders grown through. Curbs have cracks behind most hand rail anchorages, some efflorescence. handrail on Abutment 2 right and 1 left is lapped incorrectly next to end block. Michigan shoes projecting out of end block too far on the departures.

HYDROLOGY

Water Velocity: .5 m/s **Ice Problem:** N - No Problem
Water Depth: .5 m **Scour Problem:** N - No 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: Minor rehab. Latex repairs, isolated curb repairs.			
OBSERVATIONS			
Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations:			
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 B, F, 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.