

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07152021-3	
Date: 7/6/2021	Inspected By: McCaw J	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-093 - BOTTOM BROOK BRIDGE (PT LEAMINGTON)		
Route:	350	Overall Length:	23.1 m
Year Built:	1985	Est: No	Overall Width: 10.8 m
Year Last Rehab.:		Est: No	Roadway Width: 8.8 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	01 - Aluminum Rail	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	12.5
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:			
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	U - Uninspectable
Comments:	Joints paved over with cracks visible in asphalt surface		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	P - Poor	Roadway Condition:	F2 - Fair

Approach Rail:	F2 - Fair		
Comments:	One section of handrail needs to be repaired. Remainder of rail F2. One section of curb needs repair. Couple potholes on bridge. Approach rail not structural.		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.6 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2030	Replacement Year:	2045
Antic. Rehab. Cost:	\$100000	Replacement Cost:	\$1500000
Recommendations:	Handrail to be repaired by operations. Some asphalt patching needed and repair of deteriorated curb.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Watermain on structure. No issues with parking. hazards: traffic, water, slipping		
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			