

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06112019-2	
Date: 1/17/2019	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-283 - NORTH POND BROOK BRIDGE		
Route:	20	Overall Length:	4.2 m
Year Built:	1960	Est: Yes	Overall Width: 9.1 m
Year Last Rehab.:	1975	Est: Yes	Roadway Width: 6 m
Region:	AVALON PENINSULA		Sidewalk Width: 0.3 m
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 0.8 m
Type of Structure:	04 - Rigid Frame		Max Depth of N.W.L.: 0.6 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt		1 3.6 4 0
Alignment Vertical:	02 - Adequate		2 0 5 0
Alignment Horizontal:	02 - Adequate		3 0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Original struture approximately extended 3m upstream. Downstream original structure has been rehabbed. Assumed condition of partially buried and submerged reinforced concrete frame leg footing. Light erosion to tops of footings that are visible.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Numerous wide horizontal vertical cracks with medium efflor deposits in faces of original frame legs. Medium spalling with heavy efflor deposits and medium corrosion to exposed reinforcement along vertical construction joints at upstream extension. Severe spalling to lower faces of both downstream wingwall narrow cracks in faces of both downstream wingwall.		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	Narrow cracks with medium efflor deposits in original deck soffit. Only one hazard marker on structure at North East end severe honey combing.		
HYDROLOGY			
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Some slope sholder, asphalt erosion at South East end of structure.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2025
Antic. Rehab. Cost:	\$50	Replacement Cost:	\$250
Recommendations:	Repair concrete defects. Fix concrete hazards. Install approach and exit guiderail C/W hazard markers where possible. Repair slope/ sholder erosion		
OBSERVATIONS			
Overall Condition:	F2 - Fair	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.		
PHOTO GUIDELINES:		Category Definitions:	
Inspection Photos:		Maint. - Maintenance.	
Please provide photos using guidelines below:		Eng. - Engineering.	
<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 		Office - Bridge Office.	
INSPECTION PHOTOS			

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