

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B06042019-2</b>	
<b>Date:</b> 6/4/2019	<b>Inspected By:</b> Hunt R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-299 - NORTHWEST POND BROOK BRIDGE		
<b>Route:</b>	20	<b>Overall Length:</b>	11.5 m
<b>Year Built:</b>	1970	<b>Est: No</b>	<b>Overall Width:</b> 8.5 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 7.9 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	1.5 m
<b>Type of Structure:</b>	03 - Reinforced Concrete Beam/Slab	<b>Max Depth of N.W.L.:</b>	0.1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	5.5
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	P1 - abutment corners and wingwalls. F2 - remainder. Medium erosion to partially berried submerged concrete abutment footings. Narrow/medium vertical angular cracks with light efflor deposits at abutment corners. Medium vertical horizontal cracks at abutment faces. Severe delamination/spalling/disintegration to both corners of South abutments. Very wide vertical movement cracks in both north wingwall at intersections with abutment and deck. Severe delamination/ spalling/ disintegration to top faces of 4 wingwalls.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	No visible signs of expansion joints(Paved over on deck). No end blocks.		
<b>DECK</b>			

<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	I - Inapplicable
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	I - Inapplicable
<b>Approach Rail:</b>	I - Inapplicable		
<b>Comments:</b>	P1 - deck facials. F2 - remainder. Severe delamination/spalling/disintegration continues to downstream deck facials. Narrow horizontal/vertical cracks with medium spalling to upstream deck facials. Medium honey combing to some areas of deck soffit. Longitudinal joint in asphalt opening up on approaches. Some small potholes and asphalt reviling on surface over deck. Concrete handrail remains in fairly good condition.		

**HYDROLOGY**

<b>Water Velocity:</b>	0.2 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.2 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>			

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2019	<b>Replacement Year:</b>	2030
<b>Antic. Rehab. Cost:</b>	\$100	<b>Replacement Cost:</b>	\$350
<b>Recommendations:</b>	Repair abutment corners, wingwalls and facials on deck. Install approach/exit guiderail complete with hazard markers where possible.		

**OBSERVATIONS**

<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	P1 - abutment corners, wingwall and deck facials. F2 - remainder.		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

**PHOTO GUIDELINES:**

**Inspection Photos:**

Please provide photos using guidelines below:

- Any item which inspector feels should be documented by photograph
- All items noted above as being F3, P1, P, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**