

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07232018-13</b>	
<b>Date:</b> 5/3/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-341 - COCHRANE POND BROOK BRIDGE		
<b>Route:</b>	3	<b>Overall Length:</b>	26.8 m
<b>Year Built:</b>	2000	<b>Est: No</b>	<b>Overall Width:</b> 13.5 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 12.6 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>	3.5 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	0 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	05 - Concrete Barrier	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	14.8
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	- Assumed condition of buried/ submerged frame leg footings.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Fair amount of graffiti on frame legs and wings. - Small area of delamin./ spalling at NE wingwall/ frame leg junction. - Narrow vert. cracks with light efflor. deposits in faces of frame legs. Cracks extend across deck haunch into deck soffit.		
<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>	P3 - Poor		
<b>Comments:</b>	- No hazard markers. - Medium damage to section of NE exit guiderail (cracked posts/ bent rails). - Medium scrapes/ dents and split posts to remaining app./ exit guiderail. - Narrow long. cracks with medium efflor. deposits in deck haunch and soffit (near frame legs). - Numerous vertical cracks with light efflor. deposits in concrete barrier walls. - Deck and approaches re-surfaced since last inspection. - Deck re-waterproofed since last inspection. - Medium asphalt/shoulder erosion at SE end of structure (close to end block).		

**HYDROLOGY**

<b>Water Velocity:</b>	0.2 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.4 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	- Majority of flow runs past south frame leg.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2037	<b>Replacement Year:</b>	2075
<b>Antic. Rehab. Cost:</b>	\$100	<b>Replacement Cost:</b>	\$650
<b>Recommendations:</b>	- Install hazard markers (maint). - Repair damaged guiderail at NE exit. - Paint over graffiti (maint)? - Correct SE asphalt/shoulder erosion.		

**OBSERVATIONS**

<b>Overall Condition:</b>	P3 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- P3 (NE exit guiderail and SE asphalt/shoulder erosion). - F2 (remainder). - Rock embedded gutter at NE end of structure and type III Hyd. rip-rap at structure corners in good shape.		

**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 P3, P1, P, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**