

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08062021-4	
Date: 8/3/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-342 - COCHRANE POND BROOK BRIDGE SERVICE ROAD		
Route:	3	Overall Length:	24.7 m
Year Built:	1999	Est: No	Overall Width: 5 m
Year Last Rehab.:		Est: No	Roadway Width: 4.2 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.5 m
Type of Structure:	08 - Steel Bridge	Max Depth of N.W.L.:	0.6 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	06 - None	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	18.3
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- Abutments not overly visible. (mostly buried) What can be seen is in good condition (F2). There are a lot of road gravels, vegetation, and algae covering the bearing area (P1). - Retaining walls in good		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Girder cross bracing under deck for lateral support are loose. Not concerning as these should be or not required to be tight. However, bolts should be tightened before they back off (P3). All girders, and stringers in excellent condition.		
DECK			
Condition:	F1 - Fair	Curbs:	I - Inapplicable

Hand Rail:	P1 - Poor	Roadway Condition:	I - Inapplicable
Approach Rail:	U - Uninspectable		
Comments:	- 3 hazard markers missing (P1). - No approach rails from either side. This is a slow speed gravel road. Are they even required? (P1). Main deck in excellent condition (F2). Wearing timbers (Direction of traffic) look to be fairly new as well (F2). - End blocks are in good condition.		
HYDROLOGY			
Water Velocity:	1.0 m/s	Ice Problem:	N - No Problem
Water Depth:	0.2 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Water in center of span. Vegetation growing between river and retaining walls.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2060
Antic. Rehab. Cost:	\$5000	Replacement Cost:	\$1000000
Recommendations:	- Install hazard markers. - Tighten loose bolts under deck. - Remove road gravels/vegetation from bearing areas.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	- Some items listed as P1's but are minor in nature. Inspection hazards: steep slopes and very mild traffic.		
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:			
● 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			