



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT
B12032019-1**

Date: 12/3/2019

Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-166 - ROUNDABOUT BRIDGE (OLD)			Overall Length:	11.5 m
Route:	220			Overall Width:	6.2 m
Year Built:	1940	Est: No		Roadway Width:	5.8 m
Year Last Rehab.:		Est: No		Sidewalk Width:	0 m
Region:	CENTRAL EAST			Clearance to R.D. or N.W.L.:	5 m
Jurisdiction:	Provincial			Max Depth of N.W.L.:	1 m
Type of Structure:	04 - Rigid Frame			Spans:	
Purpose of Structure:	04 - Over Non-Navigable Waters				
Type of Handrail:	02 - Concrete Rail			<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete			1	5.5
Alignment Vertical:	01 - Good			2	0
Alignment Horizontal:	01 - Good			3	0
Restrictions:	No			4	0
				5	0
				6	0

BRIDGE PHOTOS



SUBSTRUCTURE

Condition:	P - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Extensive deterioration throughout. Footings on bedrock.		

SUPERSTRUCTURE			
Condition:	P - Poor	Expansion Joints:	I - Inapplicable
Comments:	Deck covered with gravel. Extensive deterioration of deck, especially the edges/fascia where there is exposed rebar.		
DECK			
Condition:	P - Poor	Curbs:	P - Poor
Hand Rail:	P - Poor	Roadway Condition:	P - Poor
Approach Rail:	I - Inapplicable		
Comments:	Rail is cobbled together with sections of concrete and flex beam, majority is detached and falling off. No approach rail. Poor roadway alignment.		
HYDROLOGY			
Water Velocity:	1.0 m/s	Ice Problem:	N - No Problem
Water Depth:	0.3 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2019	Replacement Year:	2019
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$250000
Recommendations:	Replace with culvert.		
OBSERVATIONS			
Overall Condition:	P - Poor	Requires Further Inspection:	No
Additional Observations:	Located on old road between Lawn and Lord's Cove. Road is used as cabin access.		
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			

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