

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01132020-27	
Date: 9/30/2019	Inspected By: Lynch R / Martin L	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-178 - POWDER HORN BRIDGE		
Route:	1	Overall Length:	0 m
Year Built:	1950	Est: Yes	Overall Width: 0 m
Year Last Rehab.:	2001	Est: Yes	Roadway Width: 0 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	06 - Abandoned	Spans:	
Type of Handrail:	06 - None	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	02 - Adequate	1	0
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Rigid structure. Severe scour on abutments. Wide cracks where deck meets abutments c/w efflorescence. Old concrete railing in brook below and impeding flow on LHS (upstream).		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Large spall at deck/abutment joint on LHS of abutment #1. Large spall on RHS of deck near abutment #2.		
DECK			
Condition:	F1 - Fair	Curbs:	P1 - Poor
Hand Rail:	P - Poor	Roadway Condition:	P1 - Poor
Approach Rail:	I - Inapplicable		
Comments:	Surface of deck disintegrated; gravel built up. Hand rails missing; fallen off. LHS of deck disintegrated with rebar exposed. Guide rail (narrowing of structure) loose at centerline (concrete) bracket and also a post broken on the RHS		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0 m	Scour Problem:	K - Known Problem

Waterway:	01 - Adequate	Debris Problem:	K - Known Problem
Comments:	Old concrete railing on LHS is in the stream. Beaver dams in upstream pipes crossing the TCH. Sticks/debris impeding flow at abutment #1 LHS.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Clean off bridge, Repair guiderail (narrowed to restrict traffic) or replace with multiplate. Install hazard marker.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	Guide rail has crossing narrowed to restrict traffic to ATV/pedestrian usage only.		
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.