

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09232021-7	
Date: 1/28/2020	Inspected By: Gillis M	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-048 - GULL POND PENSTOCK BRIDGE		
Route:	10	Overall Length:	5.5 m
Year Built:	1970	Overall Width:	31 m
Year Last Rehab.:		Roadway Width:	6.3 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.3 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0.7 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	04 - Steel Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	4.7
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Structure description unchanged from previous inspection. - New penstock backfilled up to 1/2 penstock DIA.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Narrow cracking with light/ medium efflor. deposits in frame legs, wingwalls and deck soffit. - Light spalling and leaking around construction joints.		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	I - Inapplicable	Roadway Condition:	I - Inapplicable

Approach Rail:	P3 - Poor		
Comments:	- Light/ medium honeycombing with narrow cracking and light efflor. deposits in deck soffit. - Guiderail buried, assume same as 2018 inspection - Guiderail running along Rte. 10 deteriorating with medium damage and cracked and decaying posts. - Minor leaking continues around AIB in const. joints.		
HYDROLOGY			
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable
Comments:	- Medium bulging and shifting to SE gabion wall atop SW wingwall and deck.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2020	Replacement Year:	2030
Antic. Rehab. Cost:	\$25	Replacement Cost:	\$600
Recommendations:	- Repair all concrete defects. - Repair/ replace guiderail and gabion retaining wall.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- P3 (guiderail/ gabion wall). - F2 (structure). - 300 mm diameter PVC attached to face of south frame leg - 500 mm diameter PVC inlet at SE corner of structure next to penstock.		
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			