

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06112019-4	
Date: 6/11/2019	Inspected By: Pickett R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-370 - Birchy Nap Underpass		
Route:	20-A	Overall Length:	54.7 m
Year Built:	2010	Est: Yes	Overall Width: 6 m
Year Last Rehab.:		Est: No	Roadway Width: 4.5 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.2 m
Type of Structure:	09 - Bailey Bridge	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation		
Type of Handrail:	01 - Aluminum Rail		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	Span No.:	Length
Alignment Horizontal:	01 - Good	Span No.:	Length
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	G - Good
		Bearing Seat:	G - Good
Comments:	Assumed condition of buried reinforcement concrete abutment footings. Narrow vertical cracks with light efflor on ballast walls. Narrow long cracks on top of ballast wall. Narrow vertical alligator cracks in abutment and wingwalls.		
SUPERSTRUCTURE			
Condition:	G - Good	Expansion Joints:	I - Inapplicable
Comments:	Narrow cracks in end blocks.		
DECK			
Condition:	G - Good	Curbs:	G - Good
Hand Rail:	G - Good	Roadway Condition:	G - Good
Approach Rail:	G - Good		
Comments:	Short sections of approaches 16.3m east, 14.5m west are paved.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	NA - Not Applicable
Water Depth:	0 m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable

Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2047	Replacement Year:	2085
Antic. Rehab. Cost:	\$50	Replacement Cost:	\$300
Recommendations:			
OBSERVATIONS			
Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations: West hazard markers covered in graphite.			
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.