

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07242018-14	
Date: 3/22/2018	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-376 - CAPTAIN WHELAN DRIVE UNDERPASS		
Route:	3	Overall Length:	50.62 m
Year Built:	2013	Est: No	Overall Width: 24.45 m
Year Last Rehab.:		Est: No	Roadway Width: 19.9 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	05 - Pre-stressed Concrete Slab		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> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	50.62 4 0
Alignment Vertical:	01 - Good	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	G - Good
		Bearing Seat:	G - Good
Comments:	- Assumed condition of buried reinforced concrete pier footing. - Narrow vert. cracks with light efflor. deposits in faces of ballast walls. - Narrow horiz./ vert. cracks in faces of some MSE wall panels. - Numerous narrow horiz. cracks at ends of center pier (radius sections).		
SUPERSTRUCTURE			
Condition:	G - Good	Expansion Joints:	G - Good
Comments:	- Some EVA foam continues to drop down between ballast walls and deck end overhangs.		
DECK			
Condition:	G - Good	Curbs:	F2 - Fair
Hand Rail:	G - Good	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- Narrow long./ trans. cracks in surfaces of sidewalks (some cracks sealed with epoxy). - Narrow long./ angular cracks in deck surface (some sealed with epoxy). Deck now paved. - Narrow long./ angular cracks in surfaces of deck overhangs/ box-outs. - Deck and short sections of approaches paved since last inspection. - No app./ exit guiderail as of this date. Guiderail to be installed summer 2018?		
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:	2052	Replacement Year:	2089
Antic. Rehab. Cost:	\$200	Replacement Cost:	\$4000
Recommendations:			
OBSERVATIONS			
Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations: - Unchanged from 2016 inspection except add: - graffiti now on MSE walls and steel handrails.			
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 F3, F1, P1, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			

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