

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07242018-15</b>	
<b>Date:</b> 3/22/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-375 - PENNYWELL ROAD COLLECTOR ROAD UNDERPASS		
<b>Route:</b>	3	<b>Overall Length:</b>	51.4 m
<b>Year Built:</b>	2013	<b>Est:</b> No	<b>Overall Width:</b> 13.95 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 9.4 m
<b>Region:</b>	AVALON PENINSULA		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	0 m
<b>Type of Structure:</b>	05 - Pre-stressed Concrete Slab		<b>Max Depth of N.W.L.:</b> 0 m
<b>Purpose of Structure:</b>	01 - Highway Grade Separation		<b>Spans:</b>
<b>Type of Handrail:</b>	04 - Steel Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	51.4    4    0
<b>Alignment Vertical:</b>	01 - Good	2	0    5    0
<b>Alignment Horizontal:</b>	01 - Good	3	0    6    0
<b>Restrictions:</b>	No		
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Bearings:</b>	G - Good
		<b>Bearing Seat:</b>	G - Good
<b>Comments:</b>	- Assumed condition of buried reinforced concrete pier footings. - Narrow vert. cracks with light efflor. deposits in faces of ballast walls. - Narrow/ medium vert. cracks in curtain walls. - Narrow horiz. cracks at ends of center pier (radius sections).		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Expansion Joints:</b>	G - Good
<b>Comments:</b>	- Some EVA foam dropping down between ballas walls and deck overhangs.		
<b>DECK</b>			
<b>Condition:</b>	G - Good	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	G - Good	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	G - Good		
<b>Comments:</b>	- Fair amount of long./ trans/ vert. cracks in sidewalk surfaces and fascia. Some cracks sealed with epoxy. - Narrow long./ trans. cracks in deck surface and approach slab surfaces (some cracks sealed with epoxy). - Narrow long. cracks in deck overhangs/ box-out surfaces.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	NA - Not Applicable

<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	NA - Not Applicable
<b>Waterway:</b>	03 - Not Applicable	<b>Debris Problem:</b>	NA - Not Applicable
<b>Comments:</b>			
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2052	<b>Replacement Year:</b>	2089
<b>Antic. Rehab. Cost:</b>	\$200	<b>Replacement Cost:</b>	\$4000
<b>Recommendations:</b>			
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	G - Good	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b> - Unchanged from 2016 inspection except add: - Fair amount of graffiti on footings, curtain walls, wingwalls, MSE walls, center pier, end blocks and steel handrails.			
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
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.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

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