

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07242018-13	
Date: 3/22/2018	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-374 - OLD PENNYWELL ROAD UNDERPASS		
Route:	3	Overall Length:	58.85 m
Year Built:	2013	Est: No	Overall Width: 13.95 m
Year Last Rehab.:		Est: No	Roadway Width: 9.4 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5 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	58.85 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. - Hairline alligator cracks in faces of wingwalls. - Narrow/ medium vert. cracks in curtain walls. - NW end of pre-cast coping and safety rail tipped out atop west MSE wall. - Narrow horiz. cracks at ends of center pier (radius sections).		
SUPERSTRUCTURE			
Condition:	G - Good	Expansion Joints:	G - Good
Comments:	- Some EVA foam dropping down between ballast walls and deck end overhangs.		
DECK			
Condition:	G - Good	Curbs:	G - Good
Hand Rail:	G - Good	Roadway Condition:	G - Good
Approach Rail:	G - Good		
Comments:	- Narrow long./ trans. vert. cracks in sidewalk surfaces and fascia (some sealed with epoxy). - Narrow long. cracks in surfaces of deck overhangs/ box-outs. - Deck and approaches paved since last inspection. - New sections of app./ exit guiderail installed along old P. Rd. since last inspection.		
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:	- Moderate slope erosion along south side of west MSE wall from ditch run-off from old private residence access road. If erosion continues existing pole may get undermined.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2052	Replacement Year:	2089
Antic. Rehab. Cost:	\$200	Replacement Cost:	\$4000
Recommendations:	- Fix tipping pre-cast coping atop west MSE wall. - Fix slope erosion along south side of west MSE wall.		

OBSERVATIONS

Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations:	- Unchanged from previous inspection except add: - Amount of graffiti has increased, now on footings, curtain walls, wingwalls MSE walls, center pier, end blocks and steel handrails. - NE rock embedded gutter still not installed.		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:
Inspection Photos:
 Please provide photos using guidelines below:
 ● 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