

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07242018-7</b>	
<b>Date:</b> 5/14/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-327 - DUNN'S HILL RD UNDERPASS - CBS BYPASS		
<b>Route:</b>		<b>Overall Length:</b>	39.75 m
<b>Year Built:</b>	1997	<b>Est:</b> No	<b>Overall Width:</b> 11 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 7 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	2 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	5 m
<b>Type of Structure:</b>	04 - Rigid Frame	<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>	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	12.65
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	- Assumed condition of buried frame leg and strut footings. - Narrow transverse cracks in slope paving.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>			
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair

<b>Approach Rail:</b>	F2 - Fair
<b>Comments:</b>	- Medium spall to top/ exterior fascia of sidewalk at SE end. - Still no hazard markers. - Narrow long. cracks in deck soffit. Hairline alligator cracks in end blocks. - Narrow vert. cracks in deck soffit (haunch locations). - Numerous medium trans./long. cracks with medium settlement and patched potholes at north and south ends of deck. - Narrow/ medium cracks in sidewalk tops and fascia (small spall to end of sidewalk at NW end, snow plow).

**HYDROLOGY**

<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>	- Some app./ exit guiderail posts decaying with twisted off set blocks. - Medium erosion and settlement to asphalt ramps at ends of sidewalks. - Medium abrasion to interior sidewalk fascia. - Minor slope erosion along SE wingwall.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2022	<b>Replacement Year:</b>	2047
<b>Antic. Rehab. Cost:</b>	\$100	<b>Replacement Cost:</b>	\$650
<b>Recommendations:</b>	- Install hazard markers (maint). - Resurface approaches and install new asphalt ramps at ends of sidewalks. - Replace any decayed guiderail posts. - Paint over graffiti on various areas of structure.		

**OBSERVATIONS**

<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- P1 (asphalt on approaches). - F2 (remainder). - Unchanged from 04' and 11' inspections expect add: - Old Dunns Hill Road alignment barricaded off with guiderail at North and South ends at tops pf slopes on Rte. 2.		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
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 sees 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**