
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01162020-7</b>	
<b>Date:</b> 8/21/2019	<b>Inspected By:</b> Lynch R / Martin L	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	3-084 - GREENSPOND TICKLE CAUSEWAY BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	64.9 m
<b>Year Built:</b>	1984	<b>Est:</b> No	<b>Overall Width:</b> 0 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 8.6 m
<b>Region:</b>	CENTRAL WEST		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Provincial		<b>Clearance to R.D. or N.W.L.:</b> 5.6 m
<b>Type of Structure:</b>	01 - AASH to Girder		<b>Max Depth of N.W.L.:</b> 2.2 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	01 - Concrete	1	41.4   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>	F2 - Fair	<b>Bearings:</b>	P3 - Poor
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Hairline cracks in abutments and back walls. Bearings at all girders, both sides, fatigued with large cracks and disintegration.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	Expansion joints paved over; no joint present in curb, just a gap. Extra layer of asphalt on deck. Expansion joints are leaking. Minor spalls with rebar exposed and staining on girder #'s 1, 4 and 5. All diaphragms on abutment #1 have cracks at the bottom.		
<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>	No buried end on exit of abutment #1. Double layer of asphalt on deck. Some spalling and delamination on curbs. No terminal ends on guide rail. Potholes and patches at expansion joints due to settlement.		

**HYDROLOGY**

<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Abutments are well above the HWL.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Replace expansion joints. Repair navigation lights. Install buried end. Clean deck and drains.		

**OBSERVATIONS**

<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Settlement at joints. Waterline attached to RHS curb. Winter sand on bridge with grass growing out of it.		

**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 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**