

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07242018-3</b>	
<b>Date:</b> 5/8/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-337 - PANEL TYPE BRIDGE AT LEDREWS ROAD		
<b>Route:</b>		<b>Overall Length:</b>	42.7 m
<b>Year Built:</b>	2001	<b>Est:</b> No	<b>Overall Width:</b> 6 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 4.1 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>	10 - Callender-Hamilton or Other Stress Truss Bridge	<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>	06 - None	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	03 - Timber	1	42.7
<b>Alignment Vertical:</b>	02 - Adequate	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	<b>Span No.:</b>	<b>Length</b>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	- Assumed condition of buried reinforced concrete abutment footings. - Narrow/ medium/ vertical cracks with heavy efflor. deposits in faces of ballast wall. - Light rusting to anchor bolts on bearing plates. - Light graffiti on abutments and end blocks.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Light rusting to some panel pins. - Narrow vertical cracks in end blocks. - Medium sag in deck and superstructure.		
<b>DECK</b>			
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b>	F1 - Fair

<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b>	F1 - Fair
<b>Approach Rail:</b>	P3 - Poor		
<b>Comments:</b>	- Still no hazard markers. - Wooden raceway continues to wear (several sections missing at south end). - Wooden curb continues to wear (medium damage to NE end). - Medium/ severe rusting to chain link safety barrier attached to inside faces and ends of panels (rusting is staining lower sections of panels). - App./ exit guiderail tipped/ damaged in various areas. NE/SW terminal ends damaged. First length of NW app. guiderail missing with cracked off posts. - Wide trans. cracks in asphalt at ends of structure. Moderate dip in asphalt along north approach. - Connecting panel pins over SE/SW bearing plates remain partially out of holes.		

**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>			

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2030	<b>Replacement Year:</b>	2051
<b>Antic. Rehab. Cost:</b>	\$50	<b>Replacement Cost:</b>	\$400
<b>Recommendations:</b>	- Replace damaged guiderail and install hazard markers (maint). - Replace damaged/ missing sections of wooden curb and raceway. - Re-install panel connecting pins over SE/SW bearing plates (maint). - Re-surface dip in asphalt at north approach. - Paint over graffiti on abutments and end blocks (maint)?		

**OBSERVATIONS**

<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- New private driveway approx. 25m south of SE end block on Ledrews Rd.		

**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**