



GOVERNMENT OF  
NEWFOUNDLAND  
AND LABRADOR  
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT**  
**B01302020-7**

Date: 1/30/2020

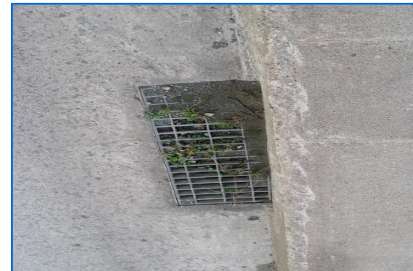
Inspected By: Alex Ford

Category: Eng. - Engineering

**BRIDGE INFORMATION**

Site:	2-091 - LITTLE BAY BRIDGE				
Route:	220-10	Overall Length:	40 m		
Year Built:	1988	Est: No	Overall Width:	10.2 m	
Year Last Rehab.:		Est: No	Roadway Width:	7.4 m	
Region:	CENTRAL EAST	Sidewalk Width:	1.3 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m		
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	3 m		
Purpose of Structure:	03 - Over Navigable Waters	Spans:			
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete	1	26.8	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

**BRIDGE PHOTOS**





**SUBSTRUCTURE**

<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Concrete abutments and wingwalls. Light vertical cracks in abutment two, small delamination.		

**SUPERSTRUCTURE**

<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	5 AASHTO girders, light honeycomb and a few exposed stirrups. Expansion joints have impact damage and are leaking.		

**DECK**

<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>	P1 - Poor		
<b>Comments:</b>	Exposed concrete deck, some weathering, small potholes, exposed rebar and light cracks. Approaches are potholed, patched and cracked. 4 rail aluminum hand rail with concrete end blocks, minor impact damage left side. Approach rail has some rotted posts, impact abutment two left side.		

**HYDROLOGY**

<b>Water Velocity:</b>	m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Tidal. Depth and Velocity vary.		

**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>	Rehab structure. Expansion joints, deck repairs, repave approaches, replace damaged guide rail and rotted posts.		

**OBSERVATIONS**

<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
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**Additional Observations:**

**LEGEND:**

**Condition Definitions:**

1 - \*Good - [discontinued code].  
 2 - \*Fair - [discontinued code].  
 3 - \*Poor - [discontinued code].  
 4 - \*Unsafe - [discontinued code].  
 G - Good.

F2 - Fair.  
 F1 - Fair.  
 P3 - Poor.  
 P1 - Poor.  
 P - Poor.

C - Unsafe (Closed to Public).  
 U - Uninspectable.  
 I - Inapplicable.

**Problem Definitions:**

N - No Problem.  
 P - Possible Problem.  
 K - Known Problem.  
 NA - Not Applicable.

**Category Definitions:**

Maint. - Maintenance.  
 Eng. - Engineering.  
 Office - Bridge Office.

**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, P2, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**

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