



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B01302020-6

Date: 1/30/2020

Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-084 - MARYSTOWN SOUTH BRIDGE				
Route:	220-10	Overall Length:	26 m		
Year Built:	1984	Est: No	Overall Width:	11.5 m	
Year Last Rehab.:		Est: No	Roadway Width:	9 m	
Region:	CENTRAL EAST	Sidewalk Width:	0.9 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 m		
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	2 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:	02 - Asphalt	1	11	4	0
Alignment Vertical:	02 - Adequate	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

BRIDGE PHOTOS





SUBSTRUCTURE

Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Concrete abutments and wingwalls. A few vertical cracks in abutments, minor concrete erosion in flow zone. Right side abutment corners chipped and broken.		

SUPERSTRUCTURE

Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Reinforced concrete beams. Expansion gaps leaking, curb sections have disintegration of soffit and fascia areas.		

DECK

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	P - Poor		
Comments:	Concrete deck with asphalt wearing surface. Some potholes in asphalt, isolated deck issues, underside has some cracking with efflorescence. 4 rail aluminum hand rail with concrete end blocks, light map cracking. Approach rail has no end shoes, not connected abutment one left side, no structure rail, no rail abutment one right. Sidewalk right side has cracks in both ramp sections and is dropped down 25+mm. Curb faces have impact spalls and some disintegration around the deck drains. Abutment 1 right is washed out around the endblock. Deck drains have a buildup of sand in them. Approach 2 right/left approach 1 right hazard markers missing.		

HYDROLOGY

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

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Rehab structure. Latex repairs, curb repairs, deck repairs, seal expansion gaps, repave deck and approaches, rip rap corners. Replace hazard markers. Clean deck drains. Repair washout.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
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Additional Observations:

LEGEND:

Condition Definitions:

- 1 - *Good - [discontinued code].
- 2 - *Fair - [discontinued code].
- 3 - *Poor - [discontinued code].

- F2 - Fair.
- F1 - Fair.
- P3 - Poor.

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

Problem Definitions:

- N - No Problem.
- P - Possible Problem.
- K - Known Problem.

Category Definitions:

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

4 - *Unsafe - [discontinued code].
G - Good.

P1 - Poor.
P - Poor.

NA - Not Applicable.

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

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