

GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT B01302020-17

Date: 1/30/2020 Inspected By: Alex Ford Category: Eng. - Engineering

BRIDGE INFORMATION

Site: 2-027 - TAYLOR'S BAY BROOK BRIDGE

Route: 220

 Year Built:
 1965
 Est: No

 Year Last Rehab.:
 1986
 Est: No

Region: CENTRAL EAST

Jurisdiction: Provincial

Type of Structure: 03 - Reinforced Concrete Beam/Slab

02 - Adequate

Purpose of Structure: 04 - Over Non-Navigable Waters

Type of Handrail: 01 - Aluminum Rail

Roadway Surface: 01 - Concrete

Alignment Vertical: 01 - Good

Restrictions: No

Overall Length:

17.5 **m**

Overall Width: 9 m Roadway Width: 7.4 m

Sidewalk Width: 0 m

Clearance to R.D. or

2 **m**

Max Depth of N.W.L.:

.,...

0.5 **m**

Spans:

N.W.L.:

Span No.:	<u>Length</u>	Span No.:	<u>Length</u>
1	11.5	4	0
2	0	5	0
3	0	6	0

BRIDGE PHOTOS

Alignment Horizontal:











SUBSTRUCTURE

Condition: P3 - Poor Bearings: I - Inapplicable

Bearing Seat: F2 - Fair

Concrete abutments and wingwalls. Minor erosion of footings in water, some large cracking. Scour @ abutment

two left corner, footing above cracked. Abutment upper corners deteriorated with efflorescence. Wingwalls near

	backwall/deck joint deteriorated with efflorescence.						
SUPERSTRUCTURE							
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor				
Comments:	Reinforced concrete deck. Underside has some honeycomb from construction and light cracking. Joint is gap with dymeric in curbs - poor conditions. Significant leakage through the curb section causing abutment and wingwall deterioration.						
DECK							
Condition:	F2 - Fair	Curbs:	F2 - Fair				
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair				
Approach Rail:	F2 - Fair						
Comments:	Exposed concrete deck, some abrasion, impact damage at deck ends. Aluminum 4 rail system. Concrete curbs. Asphalt approach at abutment one settled below concrete deck, concrete is worn down by traffic abrasion. Michigan shoe on ABT# 2 right missing two bolts. All hazard markers require replacement. Approach rail has a large amount of sand built up under them.						
HYDROLOGY							
Water Velocity:	1.5 m/s	Ice Problem:	N - No Problem				
Water Depth:	1.0 m	Scour Problem:	N - No Problem				
Waterway:	erway: 02 - InAdequate		N - No Problem				
Comments:	Overtopped During Hurricane Igor.						
REPLACEMENT/REHABILITATION							
Next Rehab. Date:		Replacement Year:					
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0				
Recommendations:	Seal joints at curbs, latex repairs to abutments and wingwalls, scour repairs, repair concrete deck edge, guide rail and repave approaches. New ID signs.						
OBSERVATIONS							
Overall Condition:	F2 - Fair	Requires Further Inspection:	No				
Additional Observations:							
LEGEND: Condition Definitions: 1 - "Good - [discontinued code]. 2 - "Fair - [discontinued code]. 3 - "Poor - [discontinued code]. 4 - *Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: Inspection Photos: Please provide photos using guideling and the provide photos using guideling and the provide photos using duideling a	F2 - Fair. C - Unsafe (Closed to F1 - Fair. U - Uninspectable. P3 - Poor. I - Inapplicable. P1 - Poor. P - Poor. nes below: eets brout pe documented by pnotograph eets proper pe documented by pnotograph	Public). N - No Pi P - Poss K - Know	Definitions: Category Definitions: Coblem. Maint Maintenance. Brig Engineering. Office - Bridge Office. Applicable.				
INSPECTION PHOTOS							

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