



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B01302020-19

Date: 1/30/2020

Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-066 - LAMALINE BARASWAY BRIDGE				
Route:	220	Overall Length:	36.8 m		
Year Built:	1975	Est: No	Overall Width:	10.3 m	
Year Last Rehab.:		Est: No	Roadway Width:	7.5 m	
Region:	CENTRAL EAST	Sidewalk Width:	0.9 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m		
Type of Structure:	01 - AASH to Girder	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	24.5	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

BRIDGE PHOTOS





SUBSTRUCTURE

Condition:	P3 - Poor	Bearings:	P3 - Poor
		Bearing Seat:	F2 - Fair
Comments:	Concrete abutments and wingwalls. Moderate erosion in the tidal zone. Some vertical cracking in the abutment walls. Moderate cracking with efflorescence on wingwalls. Bearing pads are cracked, squat. Large void behind wingwall abutment two left causing settlement of approach.		

SUPERSTRUCTURE

Condition:	P3 - Poor	Expansion Joints:	P3 - Poor
Comments:	AASHTO girders, significant exposed rebar with spalling in girders and diaphragms. Expansion joints are broken from impacts and leaking. Backwall at road is impact damaged. Potholes on the expansion joints have been patched with asphalt.		

DECK

Condition:	P3 - Poor	Curbs:	P3 - Poor
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor
Approach Rail:	P3 - Poor		
Comments:	Concrete deck with asphalt wearing surface. Asphalt potholed and cracked, evidence of concrete deck issues. Some fascia and soffit deterioration and cracking with efflorescence. Concrete curbs have large cracks and deterioration on the wingwall sections, some small impact spalls and cracking on the deck curbs. Large bumps at expansion joints. 3 rail aluminum with no endblocks, some minor impact damage, anchorages poor due to curb issues.		

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:	Checked for scour in 2015 with no issues found. Tidal. Depth and Velocity vary.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Full rehab - Latex repairs, expansion joints, curbs, new endblocks and rail, deck repairs, repave, install guiderail. Extensive rebar cover issues should be addressed during re-hab.		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
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Additional Observations:

LEGEND: Condition Definitions: _____ Problem Definitions: _____ Category 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.

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

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

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:

- Any item which inspector sees 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.