

GOVERNMENT OF **NEWFOUNDLAND** AND LABRADOR Department of Transportation and Infrastructure

## **BRIDGE INSPECTION REPORT** B09222017-1

Date: 9/13/2017 Inspected By: AB Category: Eng. - Engineering

## **BRIDGE INFORMATION**

Site: 2-032 - TERRENCEVILLE BROOK BRIDGE

Route: 211

1965 Year Built: Est: No 2008 Est: No Year Last Rehab.:

Region: **CENTRAL EAST** 

Jurisdiction: Provincial

Type of Structure: 01 - AASH to Girder

Purpose of Structure: 04 - Over Non-Navigable Waters

04 - Steel Rail Type of Handrail: 02 - Asphalt Roadway Surface: 01 - Good Alignment Vertical: 01 - Good Alignment Horizontal:

No Restrictions:

Overall Length:

30.4 m

8.8 m **Overall Width:** 7.4 m Roadway Width:

Sidewalk Width:

0 **m** 

4 m

Clearance to R.D. or

Max Depth of N.W.L.: 2 m

Spans:

N.W.L.:

Span No.:	<u>Length</u>	Span No.:	Length
1	24	4	0
2	0	5	0
3	0	6	0

## **BRIDGE PHOTOS**

















**SUBSTRUCTURE** 

F2 - Fair F2 - Fair Condition: Bearings:

> F2 - Fair **Bearing Seat:**

Concrete abutments and wingwalls. Some cracking with efflorescence throughout, more on wingwalls - some Comments:

disintegration on abutment corners. Some concrete erosion of abutment two in flow zone - minor. Corbel under girder 5, abutment one built 2008. Some bearing pads squat. Bearing seat has debris and formwork left.

Abutment 1 between girders 1 and 2 has moderate cracking which appears recent.

**SUPERSTRUCTURE** 

F2 - Fair F2 - Fair Condition: **Expansion Joints:** 

5 AASHTO girders. Girders have cracking, delaminations, exposed rebar, honeycombing and efflorescence on Comments:

all, #4 and #5 more than the other three.

**DECK** 

F2 - Fair F2 - Fair Condition: Curbs:

F2 - Fair F2 - Fair Hand Rail: **Roadway Condition:** 

Approach Rail: F2 - Fair

Concrete deck with asphalt wearing surface, exterior soffit and fascia has disintegration, cracking and Comments:

efflorescence. Some cracking and potholes near expansion joints in asphalt. 4 rail steel hand rail with concrete end blocks, major impact spall abutment two left end block. Some light cracks in curbs. efflorescence and leaking

evident on bottom of deck between girders 4 and 5.

**HYDROLOGY** 

Water Velocity: 2 m/s Ice Problem: N - No Problem

Water Depth: .5 m Scour Problem: N - No Problem

Waterway: 01 - Adequate **Debris Problem:** N - No Problem

Comments:

REPLACEMENT/REHABILITATION

Next Rehab. Date: 2017 Replacement Year: 2017

Antic. Rehab. Cost: \$0 Replacement Cost: \$0

Replace missing object markers on abutment 1 left side. Recommendations:

**OBSERVATIONS** 

F2 - Fair **Requires Further Overall Condition:** No

Inspection:

Additional Observations: Retaining wall built abutment two left side 2008.

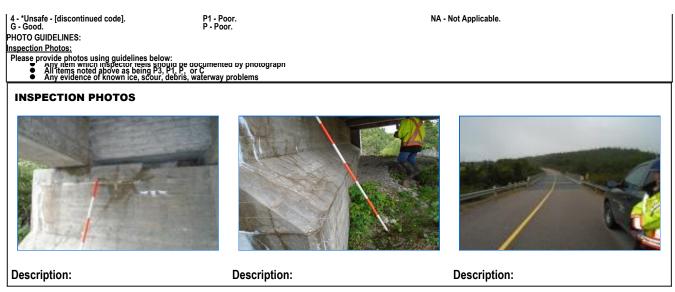
Condition Definitions:

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

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

Problem Definitions: N - No Problem. P - Possible Problem.

Category Definitions: Maint. - Maintenance. Eng. - Engineering. Office - Bridge Office.



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