



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	Overall Length:	30.4 m		
Year Built:	1965	Est: No	Overall Width:	8.8 m	
Year Last Rehab.:	2008	Est: No	Roadway Width:	7.4 m	
Region:	CENTRAL EAST	Sidewalk Width:	0 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 m		
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	2 m		
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:			
Type of Handrail:	04 - Steel Rail	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	24	4	0
Alignment Vertical:	01 - Good	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. Some cracking with efflorescence throughout, more on wingwalls - some 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

Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	5 AASHTO girders. Girders have cracking, delaminations, exposed rebar, honeycombing and efflorescence on all, #4 and #5 more than the other three.		

DECK

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Concrete deck with asphalt wearing surface, exterior soffit and fascia has disintegration, cracking and 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
Recommendations:	Replace missing object markers on abutment 1 left side.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Retaining wall built abutment two left side 2008.		

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



Description:



Description:



Description:

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