

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09112020-2	
Date: 9/8/2020	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-014 - DEEP BIGHT RIVER BRIDGE		
Route:	1	Overall Length:	25 m
Year Built:	1994	Est: No	Overall Width: 45 m
Year Last Rehab.:		Est: No	Roadway Width: 16 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	10 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	06 - None	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	8.5
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Concrete footings, abutments and wing walls. Erosion and scaling of footings. Some light cracking in abutments and wing walls. Water and efflorescence due to leaking vertical construction joints - with active wet areas and some spalling. Two joints per abutment wall. Gabion retaining structures abutment one and two right side. Gabions on Downstream right side are broken and losing fill. Downstream left are bulging.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Light cracking of soffit. Water and efflorescence due to leaking construction joints - with active wet areas and some spalling. Two joints.		
DECK			

Condition:	U - Uninspectable	Curbs:	I - Inapplicable
Hand Rail:	I - Inapplicable	Roadway Condition:	I - Inapplicable
Approach Rail:	I - Inapplicable		
Comments:	Guide rail on TCH left and right has 200mm x 200m posts with offset blocks. Approximately 5 metres of fill over structure.		

HYDROLOGY

Water Velocity:	1.5 m/s	Ice Problem:	N - No Problem
Water Depth:	1 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Abutment 2 downstream footing is scoured at least 400mm under footing and 50-150mm deep.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$50000	Replacement Cost:	\$0
Recommendations:	Seal Construction Joints, replace Gabions and repair scour		

OBSERVATIONS

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

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

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