

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05282019-2	
Date: 5/28/2019	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-018 - TERRY'S BROOK BRIDGE, HARBOUR MAIN		
Route:		Overall Length:	6 m
Year Built:	1937	Est: No	Overall Width: 17.2 m
Year Last Rehab.:	1975	Est: Yes	Roadway Width: 10.5 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 1.4 m
Type of Structure:	13 - Other		Max Depth of N.W.L.: 0.2 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt		1 3.8 4 0
Alignment Vertical:	02 - Adequate		2 0 5 0
Alignment Horizontal:	02 - Adequate		3 0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
<div style="display: flex; justify-content: space-around;">   </div>			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Original structure extend 10m downstream. Assumed condition of buried/submerged reinforcement concrete frame leg footings. Extension approximately 300m higher than original structure. Curb extension done on upstream end.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Sections of wingwalls that were inspected in last inspections have been removed. Some spacing still remains on abutment faces. Medium spacing to frame legs at water at South East location downstream. Construction joints of frame legs opening up (between original structure extensions).		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	Numerous medium wide transverse longitudinal cracks with deposits in deck surface. Deck facials have been rehabbed and aluminum handrail in good condition.		

HYDROLOGY

Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.1 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:	Mass scale erosion on corners of structure. Hydraulic rip rip has been installed on downstream end and carbzons living in river basin on upstream ends.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2019	Replacement Year:	2030
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$400
Recommendations:	If possible some guardrail can be installed on downstream corner. Hazard marker can be installed.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Bridge and water way has been rehabbed since last inspection not sure who did rehab.		

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 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