

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06182021-6	
Date: 1/16/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-178 - CROCKER'S BRIDGE, PETTY HARBOUR		
Route:		Overall Length:	30.9 m
Year Built:	1990	Est: No	Overall Width: 9.7 m
Year Last Rehab.:		Est: No	Roadway Width: 7.6 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.5 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	15
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	<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:	- Assumed condition of submerged/ buried concrete frame leg footings.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Narrow vertical cracks with light efflor. deposits in faces of frame legs, cracks extend upwards across leg haunch and into deck soffit.- Light and Medium efflor. deposits around vertical construction joints between exterior abutment faces and wingwalls. - Hairline alligator cracks in wingwalls, headwalls, and end blocks.		
DECK			
Condition:	G - Good	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	- Narrow long. cracks with light efflor. deposits to deck soffit. - Narrow horiz./ vert. cracks to deck curbs and fascia. - Medium scrapes, dents and end caps missing in aluminum handrail. - Wide trans. cracks in asphalt at approach slab ends on west side. - Approach and exit rail aging with light/ medium damage, tipping, decaying posts and too close to pavement.		

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	1.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Medium slope and shoulder erosion at ends of structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2022	Replacement Year:	2040
Antic. Rehab. Cost:	\$15000	Replacement Cost:	\$800000
Recommendations:	-Repair Damaged guiderail and fix asphalt issues -Correct shoulder/slope erosion at 4 ends of structure.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
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