

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07272021-3	
Date: 7/23/2021	Inspected By: Michael Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-481 - FAIRY POND ROAD BRIDGE CAPE BROYLE		
Route:	10-36-1	Overall Length:	7.4 m
Year Built:	1955	Est: Yes	Overall Width: 6.8 m
Year Last Rehab.:		Est: No	Roadway Width: 6 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1 m
Type of Structure:	08 - Steel Bridge	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	01 - Active	Spans:	
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	6
Alignment Vertical:	02 - Adequate	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:	P3 - Poor	Bearings:	P3 - Poor
		Bearing Seat:	P3 - Poor
Comments:	- Heavy cracking throughout abutment & wingwalls. - Spalling and disintegration on the downstream wingwalls. - Upstream beam looks to have been jacked up & cavity under the beam filled with rocks (assumed).		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable
Comments:	- Both exterior beams have holes through the flange and web. Concrete spalling around beams losing their encasement, P1. Interior beams in fair condition with some light efflorescence coming between them and the deck, P3. - Both fascia's leaking with efflorescent deposits coming through the deck/curb construction joint, F1.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- Fair condition overall. No approach rail. Asphalt has mild cracking. No hazard markers.		
HYDROLOGY			
Water Velocity:	Slow m/s	Ice Problem:	N - No Problem
Water Depth:	Very shallow m	Scour Problem:	K - Known Problem

Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Light scour seen on post office side abutment.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	2024
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$1000000
Recommendations:	Replace Structure.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Possible grey water culvert or town culvert coming through post office side abutment. Hazards: Very mild traffic. Easy bridge to inspect.		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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			

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