

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06192019-9	
Date: 6/19/2019	Inspected By: Pickett R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-106 - BRAZIL'S HILL, SPANIARDS BAY		
Route:	70	Overall Length:	6.9 m
Year Built:	1970	Overall Width:	28.4 m
Year Last Rehab.:		Roadway Width:	23 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.9 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	5.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Medium severe scour under footing at various location. Medium erosion to faces and corners of frame leg footing. Wide vertical cracks in frame leg footing.		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable
Comments:	Severe spalling and disintegration with corrosion to exposed rebar in frame legs especially at construction joints. Wide vertical cracks in North West wingwall. Effloresce deposits on leg construction joint. Alligator cracking in frame legs with medium honey combing in frame legs.		
DECK			
Condition:	P1 - Poor	Curbs:	I - Inapplicable

Hand Rail:	P3 - Poor	Roadway Condition:	I - Inapplicable
Approach Rail:	F1 - Fair		
Comments:	Very severe spalling disintegration at construction joints in soffit with exposed rebar and efflorence deposits. Upstream handrail has spalling.		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.3 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2020	Replacement Year:	2030
Antic. Rehab. Cost:	\$50	Replacement Cost:	\$500
Recommendations:	Repair scour and deck soffit defects as well as frame leg and concrete handrail.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations:			
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			