

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B08102021-6</b>	
<b>Date:</b> 3/10/2020	<b>Inspected By:</b> Gillis M	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-070 - GOOSEBERRY COVE BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	6.8 m
<b>Year Built:</b>	1971	<b>Est: Yes</b>	<b>Overall Width:</b> 11.9 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 11 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	4.3 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	6.2
<b>Alignment Vertical:</b>	02 - Adequate	2	0
<b>Alignment Horizontal:</b>	02 - Adequate	3	0
<b>Restrictions:</b>	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	- Some medium spalling to top corners of frame leg footing at southeast, southwest & northwest ends. - Narrow horizontal cracks in flow lines with some light efflorescence in faces of frame leg footings. - Construction joints opening up between tops of footings and bottom of frame legs.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Narrow vertical/angular cracks with light efflorescence in faces of frame legs and wingwall. - End blocks and deck soffit in fair condition.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair

<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	P - Poor		
<b>Comments:</b>	- No hazard markers. - Some narrow longitudinal cracks with light efflorescence in deck soffit. - Light concrete spalling to upstream edge of deck soffit. - Severe shoulder erosion at northwest and southwest corners, resulting in approach & exit rail post undermining. Rail not attached to end blocks, wooden sticks placed between guiderail and end blocks. - Light scrapes and end caps missing from handrail.		

**HYDROLOGY**

<b>Water Velocity:</b>	0.7 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.6 m	<b>Scour Problem:</b>	P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	- Some slope erosion along face and under southwest wingwall.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2020	<b>Replacement Year:</b>	2040
<b>Antic. Rehab. Cost:</b>	\$30	<b>Replacement Cost:</b>	\$800
<b>Recommendations:</b>	- Correct severe shoulder erosion at northwest & southwest corners of structure. - Install new approach/exit rail, regulation hazard markers and attach rail to end blocks. - Monitor scour problem under upstream end of north frame leg footing		

**OBSERVATIONS**

<b>Overall Condition:</b>	P - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- P approach/exit rail. - F2 remainder. - Mostly unchanged from 2018 inspection. This is 1-070 (South Structure).		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
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**