

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B04192022-1</b>	
Date: 3/29/2022		Inspected By: Jeff Ward		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-105 - SMOOTH COVE BRIDGE - R			
<b>SUBSTRUCTURE</b>					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Assumed condition of buried/submerged footings				
<b>SUPERSTRUCTURE</b>					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Medium to wide horizontal opening gap at construction joints where structure was extended. Wide vertical cracks in face of frame leg extending to underside of deck with efflor. at construction joints and water leakage at NW joint. Light to medium cracking @ wingwalls with efflor and some delamination. Some erosion under NW frame leg.				
<b>DECK</b>					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P1 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	Underside of deck has honeycombing and efflor at construction joints. Curbs have large cracks on inside and at fascia. East fascia has medium deterioration, west has medium to severe cracking. Handrails are severely deteriorated with missing section of concrete and exposed rebar.No approach rails and surface has medium transverse cracking.				
<b>HYDROLOGY</b>					
Water Velocity:	0.1 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.6 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2023	Replacement Year:	2035		
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$650		
Recommendations:	Install new handrails, approach rails and repair concrete defects.				
<b>OBSERVATIONS</b>					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	Some shoulder erosion at SE and SW ends. No hazard markers				