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Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01302020-18				
Date: 1/30/2020	Inspected By: Alex Ford		Cate	gory: Eng.	- Engineering		
BRIDGE INFORMATION	4						
Site:	2-069 - SALMONIE	R RIVER BRIDGE					
Route:	220		Overall Leng	gth:	59.8 <b>m</b>		
Year Built:	1977	Est: No	Overall Widt	th:	10.4 <b>m</b>		
Year Last Rehab.:		Est: No	Roadway W	idth:	9.2 <b>m</b>		
Region:	CENTRAL EAST		Sidewalk Wi	dth:	0 <b>m</b>		
Jurisdiction:	Provincial		Clearance to N.W.L.:	R.D. or	5 <b>m</b>		
Type of Structure:	01 - AASH to Girder		Max Depth o	Max Depth of N.W.L.:		1.5 <b>m</b>	
Purpose of Structure:	03 - Over Navigable	Waters	Spans:				
Type of Handrail:	01 - Aluminum Rail		Span No.:	Length	Span No.:	Length	
Roadway Surface:	02 - Asphalt		1	23.6	4	0	
Alignment Vertical:	01 - Good		2	23.6	5	0	
Alignment Horizontal:	01 - Good		3	0	6	0	
Restrictions:	No						

## **BRIDGE PHOTOS**













SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Concrete abutments, pier and wingwalls. Moderate erosion of abutments in tidal zone. Severe erosion of the centre pier in the tidal zone, especially upstream - 200-300mm deep with exposed rebar. Erosion belt is 1000-1500mm wide. Some spalling/delamination on centre pier due to wood construction material left in concrete.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	6 AASHTO girders. Some minor exposed r	ebar. Joints leaking on to be	am seats, armour cracked all three.		
DECK					
Condition:	F2 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor	·			
Comments:	Exposed concrete deck. Deterioration along centreline, potholes elsewhere, significant surface abrasion and wear from plows. Underside of deck has spalls and exposed steel between girder three - four, span one and between girder two - three and five - six, span two. Three rail aluminum system with no endblocks has several areas of impact damage. Bumps at approaches. Deck was previously paved. Approach rail is too low, rusting, some rotted posts. 14 deck drains per side is excessive. A large amount of sand has accumulated under the approach rail.				
HYDROLOGY					
Water Velocity:	m/s	Ice Problem:	N - No Problem		
Water Depth:	m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Scour check made 2015, no issues. Tidal.	Depth and Velocity vary.			
REPLACEMENT/REHAB	ILITATION				
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Full rehab - Latex repairs to center pier, deck overlay, new curbs and endblocks, rail replacement, expansion joints, guide rail, pave approaches.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					
EGEND: Condition Definitions:		Problem De	finitions: Category Definitions:		
1 - *Good - [discontinued code]. 2 - *Fair - [discontinued code]. 3 - *Poor - [discontinued code].	F2 - Fair.C - Unsafe (Closed toF1 - Fair.U - Uninspectable.P3 - Poor.I - Inapplicable.	Public). No Prot P - Possible K - Known	olem. Maint Maintenance. e Problem. Eng Engineering. Problem. Office - Bridge Office.		

4 - *Unsafe - [discontinued code]. G - Good.	P1 - Poor. P - Poor.	NA - Not Applicable.
PHOTO GUIDELINES:		
Inspection Photos:		
Please provide photos using guidelines below: ▲ Any nem writen inspector reets 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.