

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05272022-10	
Date: 4/18/2022	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-160 - PICCO'S BROOK BRIDGE		
Route:	20	Overall Length:	16.6 m
Year Built:	1989	Est: No	Overall Width: 9.7 m
Year Last Rehab.:		Est: No	Roadway Width: 6.7 m
Region:	AVALON PENINSULA		Sidewalk Width: 1.6 m
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 0.9 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 0.8 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	7.4
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Assumed condition of reinforced concrete abutment footings. Light erosion along bottom of abutment faces. Narrow vertical cracks in abutment faces. Medium horizontal/vertical cracks with medium efflorescence in faces of wingwalls.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Narrow-medium map cracks with light abrasion to all four end blocks. Very severe shear abrasion with exposed rebar to NE end block.		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	Narrow longitudinal cracks in deck soffit. Wide horizontal cracks near expansion joint fascia. Narrow map cracks with vertical/horizontal cracks in deck curb fascia and curb over wingwalls. Medium dents/abrasion to upstream aluminum handrail. Medium abrasion and wide vertical cracks to sidewalk surface and interior curb fascia. Buried ends damaged at NE,SE,SW corners. No hazard markers. Medium transverse cracking in asphalt along approach slab edges. Medium potholes on deck with some areas patched. Sidewalks/curbs covered in sand/debris.		
HYDROLOGY			
Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.7 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2024	Replacement Year:	2040
Antic. Rehab. Cost:	\$60,000.00	Replacement Cost:	\$800,000.00
Recommendations:	Install hazard markers, install new buried ends at approaches, clean sand from curbs, repair asphalt deck, repair NE end block, repair aluminum handrails.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.