

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06102019-4	
Date: 1/17/2019	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-160 - PICCO'S BROOK BDG, FLAT ROCK, RT.20		
Route:		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	1	7.4
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Assumed condition of reinforcement concrete abutment footings. Light erosion along bottom of abutment. Narrow vertical cracks with light efflor deposits in abutment faces. Inspections of bearing pads restricted due to ice and water flow. Narrow vertical cracks with medium efflor deposits in faces of wingwalls.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Top of North East end block sheared off (possible impact by snowplow). Minor spalling to sides of North West/South West end blocks. Narrow medium alligator cracks in all four end blocks.		
DECK			
Condition:	G - Good	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Narrow long cracks in deck soffit. Narrow horizontal vertical cracks in deck curb facias and curbs over wingwalls. Medium wide vertical transverse cracks in curb sidewalks surfaces and interior fascials. Small medium potholes in asphalt surface on deck. Medium transverse cracks in asphalt along approach slab edges. Medium damage to buried end guiderail at South East/South West end of structure. Medium dents/ scrapes to center of upstream aluminum rail.		

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:	P - Possible Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2022	Replacement Year:	2039
Antic. Rehab. Cost:	\$60	Replacement Cost:	\$700
Recommendations:	Repair damaged end block and aluminum rails at South East/South West buried ends. Install four hazard markers at corners of structure.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
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