

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07312023-5	
Date: 7/26/2023	Inspected By: Darrell Avery	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-030 - SOULIS BROOK BRIDGE		
Route:	1	Overall Length:	21 m
Year Built:	1990	Est: No	Overall Width: 13.4 m
Year Last Rehab.:		Est: No	Roadway Width: 12 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.5 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	01 - Aluminum Rail	Spans:	
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	19
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Concrete abutments. Some erosion of abutment walls. Concrete wing walls right side only, not attached to structure. Abutment one wing wall leaning significantly (aprox. 40mm at top) due to the roadway/bridge water draining next to it.. Both wing walls severe scaling, some delamination and cracking. All Gabions are in poor condition due the ones at waterline being severely rusted and missing ballast. Longitudinal cracks are evident in several places connecting both abutments through the deck the worst appears to the center joint, all are minor.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Soffitt and fascia in fair condition with minor cracking.		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Asphalt wearing surface. Light cracking of curbs - larger cracks at curb ends. Cracks & deterioration in end blocks.		
HYDROLOGY			
Water Velocity:	1 m/s	Ice Problem:	N - No Problem
Water Depth:	1 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$200000	Replacement Cost:	\$0
Recommendations:	Install structural rail with new end blocks, repair wingwalls, replace gabions with armor stone.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Structure widened on left side.		

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