

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B02132023-8	
Date: 5/9/2022	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-060 - DEER LAKE TAILRACE BRIDGE (HINTON)		
Route:		Overall Length:	108.1 m
Year Built:	1955	Est: No	Overall Width: 9.9 m
Year Last Rehab.:	1987	Est: No	Roadway Width: 7.3 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 1.26 m
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 5 m
Type of Structure:	01 - AASH to Girder		Max Depth of N.W.L.: 4 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt		1 31.43 4 0
Alignment Vertical:	01 - Good		2 31.58 5 0
Alignment Horizontal:	01 - Good		3 31.52 6 0
Restrictions:	No		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	F1 - Fair
		Bearing Seat:	F1 - Fair
Comments:	Moderate to severe cracking and deterioration in abutments and piers. One large downstream section of pier is severely fractured and has separated.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor
Comments:	Deterioration of expansion joints with two expansion joints damaged and leaking. Moderate spalling on bottom of center girder and upstream fascia girder.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair

Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	Potholes in asphalt and deterioration of curb noted.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2023	Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Repair curbs, deck, abutments, piers and girders. Replace expansion joints		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Pics on file		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> • Any item which inspector sees 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 2024.