

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10102023-13	
Date: 10/5/2023	Inspected By: Darrell Avery	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-116 - TCH-RT.230 UNDERPASS BONAVISTA HWY		
Route:	1	Overall Length:	60 m
Year Built:	1990	Est: No	Overall Width: 12.5 m
Year Last Rehab.:	2019	Est: No	Roadway Width: 10.5 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	6 m
Type of Structure:	05 - Pre-stressed Concrete Slab	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	26
Alignment Vertical:	02 - Adequate	2	26
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	Yes	4	0
Describe Restrictions:	Clearance 6.0m posted. Not post for eastbound.		
5		5	0
6		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Previous inspection - Concrete abutments, wing walls and pier. Pot bearings have rusting and some delamination of the top and bottom plates, worse at abutment one. Some light cracking and scaling of all concrete. Slope paving at abutment one is undermined and has shifted at the right corner. New inspection - Light cracking on surface of middle support columns(3).		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:			
DECK			

Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F2 - Fair		
Comments:	New inspection - there are sections of curbs with concrete deterioration/damage		
HYDROLOGY			
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable
Comments:	Clean debris from abutment seats		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2025	Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Repair curbs.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

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