

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08012023-4	
Date: 7/26/2023	Inspected By: Darrell Avery	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-111 - TCH-RT.320 UNDERPASS GAMBO INTERCH.		
Route:	1	Overall Length:	61 m
Year Built:	1989	Est: No	Overall Width: 12 m
Year Last Rehab.:		Est: No	Roadway Width: 10 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.9 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	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	26
Alignment Vertical:	01 - Good	2	26
Alignment Horizontal:	01 - Good	3	0
Restrictions:	Yes	4	0
Describe Restrictions:	posted clearance 5.9m	5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	Concrete abutments, wing walls and 3 column centre pier. Sixteen pot bearings at abutments and three on centre piers not inspected. Light cracking and scaling on wing walls. Pier columns have light cracking. Centre pier column has delamination and exposed rebar due to lack of cover.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Expansion joints leaking, some damage to dams and armour. Dymeric sealer at curb locations poor condition. Pavement and concrete at expansion joints is deteriorating. Abutment 2: • evidence of roadway settlement between curb and pavement. • guide rail attachment to end block requires repair.		
DECK			

Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	P1 - Poor		
Comments:	Asphalt wearing surface. Aluminum 4 rail system with concrete end blocks. Aluminum rail needs splice repair. End blocks have light scaling and map cracking. Curbs have light scaling and cracking that is more severe at expansion joints. No end shoes at end blocks, guide rail not structural.		
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:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$80000	Replacement Cost:	\$0
Recommendations:	Replace expansion joints. Replace guide rail with structural guide rail and new end blocks. Clean the gutters. Repair bridge rail including splice. Replace and lengthen guiderail near pier columns.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

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