

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03182026-1	
Date: 12/5/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-143 - HARBOUR ARTERIAL OVERPASS EAST - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	P3 - Poor		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed condition of buried concrete footings. - No concrete rehabilitation work completed to substructure. - Abutments and wingwalls have various narrow to medium pattern cracks. Curtain walls have medium to wide pattern cracks throughout. Curtain wall to abutment bearing seat construction joints leaching light efflorescent material. - Pier column old concrete patches have narrow to medium damp pattern cracks throughout. Column one & two's west faces have medium vertical cracks. Column one's surrounding area has a large delamination. Column 1 also has moderate scaling to its north face. Column 4 has several moderate delaminations. One near the bottom of ditch and one meter from the pier cap. Remaining areas have hairline pattern cracks throughout. - Pier cap soffit has small spalls due to low cover exposing reinforcement with severe corrosion. Other areas delaminated similarly and likely to spall. - New auxiliary column and bearing installed under girder 4 at the west abutment. - Other bearings generally cracked and deformed throughout. Girder sole plates have severe corrosion.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	G - Good		
Comments:	- New asphaltic plug joints installed in 2025, G. - Deck soffit repairs completed in fall 2024, G. Substantial original concrete remaining and will need to be monitored throughout the remaining life of the structure, F1. - Diaphragm repairs completed in fall 2024, G. Netting installed to mitigate future spalls. Substantial original concrete remaining and will need to be monitored throughout the remaining life of the structure, F1. - Girder repairs completed in fall 2024, G. Netting installed to the bottom flanges of all girders to mitigate future spalls. Substantial original concrete remaining and will need to be monitored throughout the remaining life of the structure, F1. - Girders have longitudinal hairline cracks along the slopped portion of the bottom flange. Girder ends have hairline pattern cracks throughout, F1. - Overhead sign concrete anchor hex bolt heads have severe corrosion, P3.				
DECK					
Condition:	F2 - Fair	Curbs:	G - Good		
Hand Rail:	G - Good	Roadway Condition:	G - Good		
Approach Rail:	G - Good				
Comments:	- Major deck top and through slab repairs completed in 2025. Substantial original concrete remaining and will need to be monitored throughout the remaining life of the structure. - Structure rail is new four rail structural steel on posts, G. - New end blocks in 2025. - Guiderail structure installed complete with all hazard markers. All new in 2025, G. - Curb top/exterior replaced summer 2025, G. Interior/core concrete sound and left in place. - New grading/median work to promote runoff. - New culvert installed in west median. - New type C curbs in fall 2025. - New waterproofing and asphalt in fall 2025, G.				
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: - Not applicable. Trans-Canada Highway (TCH) below.			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations: - Monitor until replacement.			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations: - Major rehabilitation since last inspection. Work completed from Fall 2024 to Fall 2025 under contract 04-24 PSR. No concrete work completed on substructure.			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.