GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B03062026-5

Date: 2/17/2026 **Inspected By:** T Upshall / M Button **Category:** Eng. - Engineering

BRIDGE INFORMATION

Site: TCH-195 - DONOVANS OVERPASS WEST - R1

SUBSTRUCTURE

Condition: F1 - Fair
Bearings: F2 - Fair
Bearing Seat: F2 - Fair

Comments: - Assumed condition of buried concrete footings. - North abutment has medium vertical cracks extending down the ballast walls across the bearing seat and down the abutment face around all bearings. The ballast wall has severe rust staining from the expansion joint. - South abutment has medium vertical cracks extending down the ballast walls across the bearing seat and down the abutment face around some bearings. The ballast wall has severe rust staining from the expansion joint. - Both the north and south sets of piers are in fair condition. Local hairline pattern cracks on some faces. - All four wingwalls in fair condition with light cracking. Abutment/wingwall corner heavily rust stained due to expansion joint leakage. - All bearings sliding surfaces, and galvanized protective coatings remain in fair condition. Levelling grout pads have localized small spalls. - Local crushing to northeast slope paving adjacent to the wingwall.

SUPERSTRUCTURE

Condition: F1 - Fair
Expansion Joints: P - Poor

Comments: - The bearing pedestals over both the abutments & piers have densely grouped damp hairline pattern cracks. Possible plastic shrinkage cracking. - Deck soffit has tightly grouped less than hairline pattern cracks. Possible plastic shrinkage cracking. Cracks dominant on the east side. - Both sides of the deck fascia have local dense hairline pattern cracks. These cracks are more dominant around the expansion joints. Transverse post-tension blockouts leaching light efflorescent material and water near the structure corners. Construction joint showing dampness along the length of the bridge. Local small (150mmx75mm) spall on the northeast side. - Both expansion joints have severe damage to armor plating and are leaking throughout. Concrete end dams deformed/rutted. Barrier caulking in expansion gaps cracked and leaking.

DECK

Condition: F1 - Fair
Curbs: I - Inapplicable
Hand Rail: F1 - Fair
Roadway Condition: P3 - Poor
Approach Rail: P3 - Poor

Comments: *Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Bridge deck top may have delaminations given its exposure in some locations, F1. - Structure rail is a dual functioning barrier and curb, consisting of a cast-in-place concrete barrier. West interior barrier face has hairline damp longitudinal cracks. Local spall to northwest corner. East interior barrier face dominated by dense damp hairline-narrow map cracks. Suspect areas maybe delaminated. Both exterior faces have hairline damp vertical cracks spaced a relatively regular intervals. - Guiderail structures installed. Most posts weathered with associated checks and splits. No visible rot. Posts rust stained from some hardware. On the northwest corner, two posts are cracked off. Both hazard markers are missing. - Rock embedded gutter has a very wide crack (~25mm) on the northeast corner. Local undermining of rock embedded gutter on northwest corner. Ditching full of debris and water is overtopping. - Asphalt has rutting in both lanes and has worn through in several locations. Bridge deck has a large concentration of small potholes exposing the concrete deck towards the north joint, indicating widespread waterproofing failure. Other potholes have formed on the approach slab near the expansion joints, P3.

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. Kenmount Road below.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		**Replacement Year:**	
Antic. Rehab. Cost:	$	**Replacement Cost:**	$
Recommendations:	- Replace expansion joints. Consider converting to semi-integral. - Potentially complete concrete deck repairs. - Inject abutment cracks. - Local concrete repairs. - Waterproof and resurface structure. - Seal concrete barriers on the TCH and column faces exposed to Kenmount Road. - Replace missing hazard markers. - Replace broken structural (200x200) posts.		

OBSERVATIONS

Overall Condition:	F1 - Fair	**Requires Further Inspection:**	No
Additional Observations:	- P - Expansion joints poor. No longer functioning to protect elements below. Structurally ok. - P3 asphalt surface & northwest guiderail posts. - F1 overall as a system.		