



## Eglinton Crosstown LRT Project (CAN) Sheet Waterproofing

<b>Country</b>	Canada
<b>Type</b>	Light Rail
<b>Client</b>	Metrolinx and Infrastructure Ontario
<b>Main Contractor</b>	Crosslinx Transit Solutions (ACS-Dragados, Aecon, EllisDon, SNC-Lavalin)
<b>Execution of the work</b>	Renesco Inc. / Canada
<b>Designer</b>	Dr. Sauer & Partner Corporation, AECOM
<b>Construction Period</b>	2019 – 2021

## Project Description

The Eglinton Crosstown LRT is part of Metrolinx's regional transportation plan "The Big Move" for the Greater Toronto and Hamilton Area. The Light Rail Transit line is constructed under the Crosslinx Transit Solutions, a Design-Build Joint Venture, and will provide a 19.7km corridor across Eglinton Avenue, connecting ten stops at grade and 15 underground stations with a 10km twin-bored tunnel. A combination of Cut-and-Cover construction for the shafts and mined techniques (SEM) for the tunnels were utilized. Construction started in 2015 and the line is scheduled to be operational in 2021.

The geology comprises heavily over-consolidated hard plastic glacial till layers, stratified deposits of stiff to hard clays and dense, non-plastic, silt and sand.

Renesco is involved in different construction sites like Oakwood, Avenue, Mount Pleasant, Leaside and Laird.

## Scope of Service

Supply & Install of the Waterproofing System, full-round (360°) sealing, at SEM Tunnel, Station Box, Shafts, Entrance and Cut & Cover Structures.

- Sheet Waterproofing membrane, PVC-P, 2.5mm
- Protection geotextile, PP, 500g/m<sup>2</sup>
- Geodrain and Geocomposite
- Protection Membrane, PVC-P, 2.5mm
- PVC-P water barriers, 400/6/30
- Remedial Grout Assembly
- Termination
- Injection hoses
- Adhesive strips/tapes
- Supply & Install of BA Anchors



1. Cut & Cover Structure
2. Sheet Waterproofing/ Arch
3. Toronto's 12-mile Eglinton Avenue Crosstown LRT project