

Extraction Shaft Construction Scarborough Subway Extension

May 2022



Project Background

The Scarborough Subway Extension will extend the TTC's Line 2 subway service from Kennedy Station to Sheppard Avenue and McCowan Road, with three new stops at Lawrence and McCowan, Scarborough Centre and Sheppard and McCowan. The extension will replace the existing Line 3 (the Scarborough RT) and is estimated to be complete by 2029-30.

What is happening at Midland and Eglinton?

Last year, the Project Team removed the buildings located at the northeast corner of Midland Avenue and Eglinton Avenue. We are now using this area to start building the extraction shaft for the tunnel boring machine (TBM). A single TBM is being used to construct the tunnel for the subway extension. Once the TBM completes its journey from the launch shaft site at Sheppard and McCowan, it will exit underground at this location.

Is Eglinton Avenue being diverted?

Yes, the TBM will exit underground on Eglinton Avenue, as shown on the attached map. To allow a constant flow of traffic and pedestrian use while construction is ongoing, a portion of Eglinton Avenue will be diverted onto the area that was cleared last year. The intersection at Midland and Eglinton will be moved slightly north to accommodate the diversion.

What traffic impacts will there be?

During construction, some westbound and eastbound lanes along Eglinton will be temporarily closed. As indicated on the map, sidewalk detours and bus stop relocations will also take place. Every effort will be made to minimize disruption, however, safety is a top priority.

What kind of construction activities will take place?

To build the extraction shaft, the Project Team will be drilling nearly 30 metres underground to create the frame for the shaft using concrete piles. Following the piling activities, excavation will take place to dig underground and allow a clear path for the TBM to be lifted out of the ground.

Noise and Vibration

Noise and vibration from construction work are expected. During construction, every effort will be made to mitigate impacts as a result of noise and vibration. The equipment that is used on-site will include sound absorber pads to dampen noise. Noise and vibration monitoring equipment will be installed prior to construction. Other mitigation options may be considered.

How long will this take?

Construction of the extraction shaft is now underway and is anticipated to be complete in fall 2023. The TBM is expected to arrive at the extraction shaft in spring 2024.

Contact Information

Your opinion about this project matters. Please share your questions or comments about this project by emailing ScarboroughSubwayExtension@Metrolinx.com or calling (416) 202-7900.

Contact Us:

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