

EGLINTON EAST

EX: 33.2 - Advancing City Priority Transit Expansion Projects - Eglinton East Light Rail Transit

City Council
June 15th, 2022



Background

December 2020, Council directed staff to:

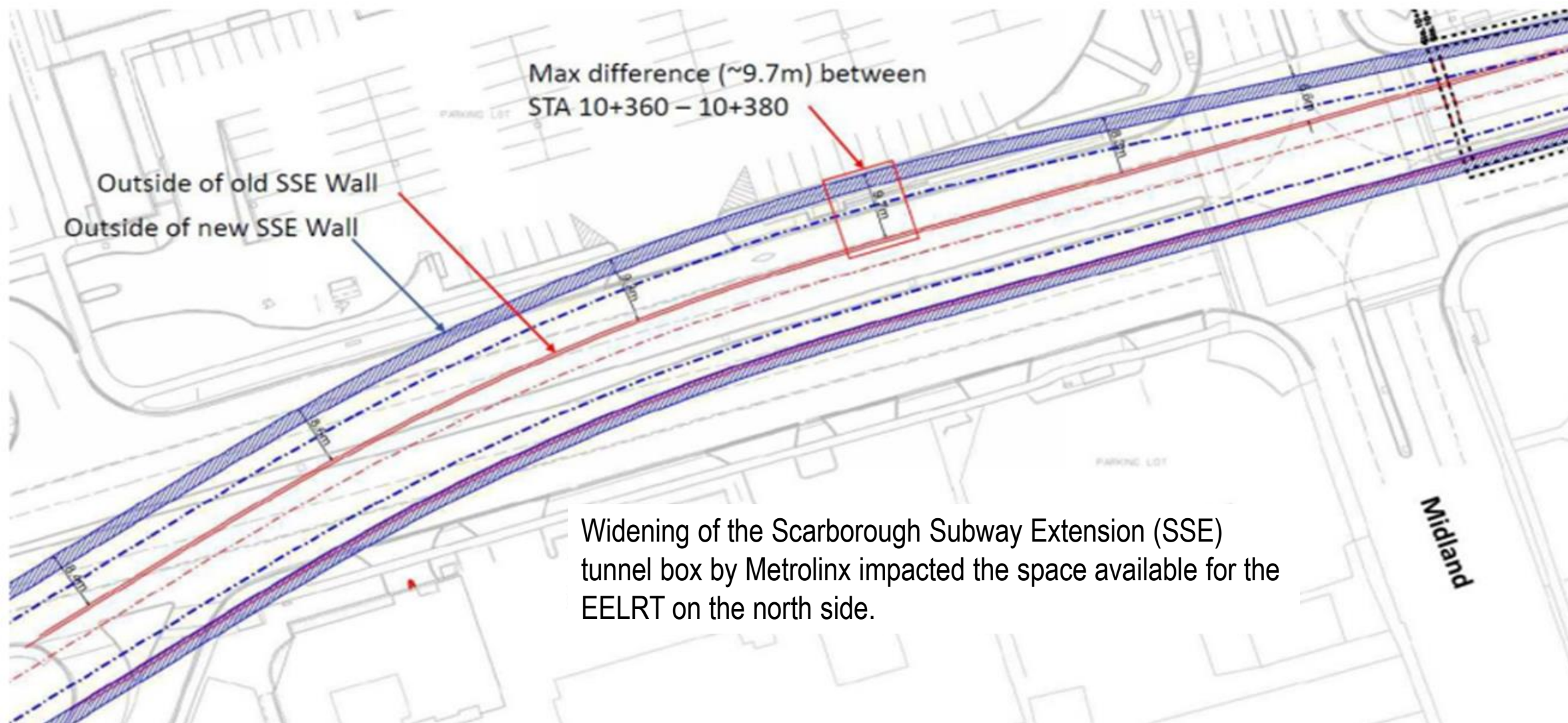
1. To report back on updated Business Case and phasing plan;
2. Advance the Eglinton East Light Rail Transit (EELRT) project concept design as a through service from Kennedy Station;
3. Continue discussions regarding the MSF location with UTSC; and,
4. Undertake an Environmental Assessment.

February 2022, City Council adopted MM39.8 with amendments directing staff to:

1. Undertake a joint constructability exercise with Metrolinx for the EELRT to resolve alignment issues at Kennedy station,
2. Evaluate the potential to host the Maintenance and Storage Facility at the Metrolinx-owned Conlins site, and,
3. Ensure the new Sheppard-McCowan Station for the Scarborough Subway Extension does not prohibit future higher order transit connections along Sheppard.



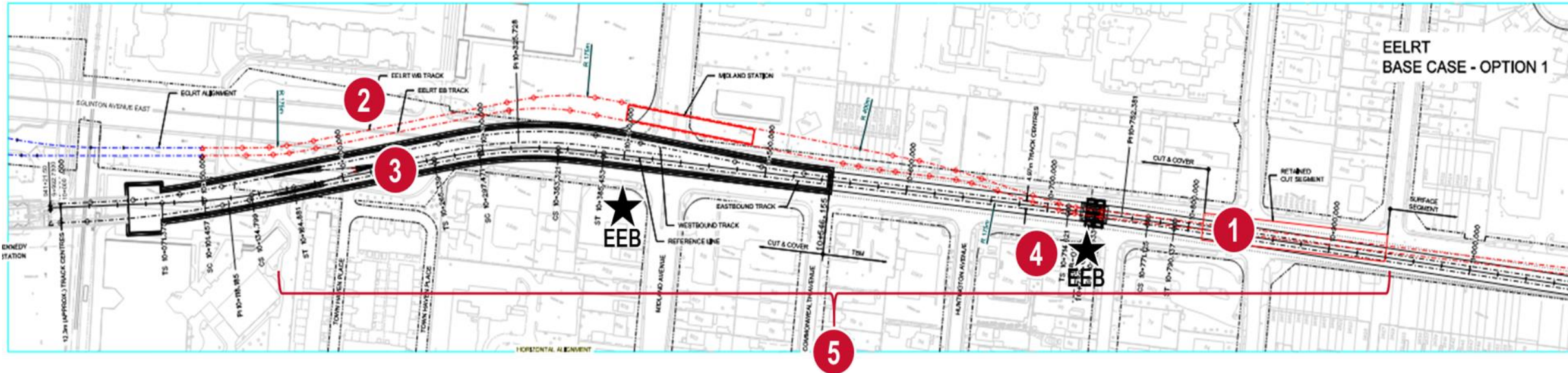
Impact of SSE Tunnel Widening



Widening of the Scarborough Subway Extension (SSE) tunnel box by Metrolinx impacted the space available for the EELRT on the north side.

Constructability Issues

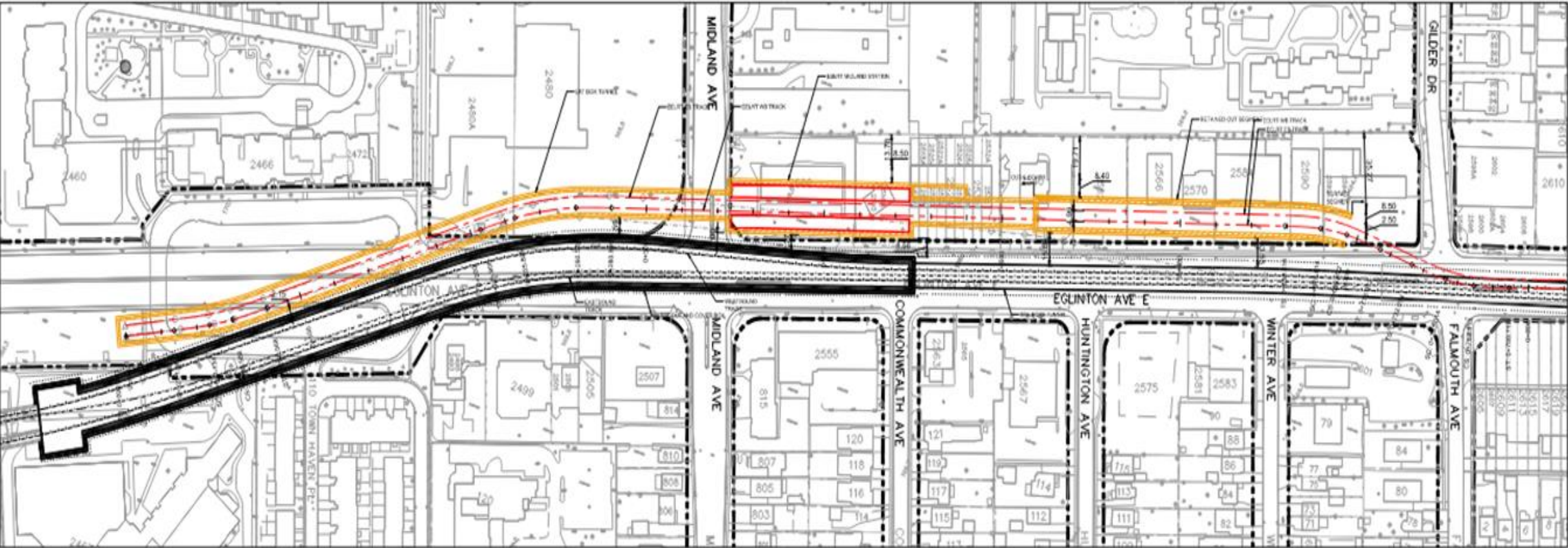
- 1 LRT Tunnel over SSE Bored Tunnel
- 2 Eglinton Ave Bridge Abutment
- 3 SSE & EELRT Box Separation
- 4 EELRT Box and EEB
- 5 Traffic Management and Utility Conflicts



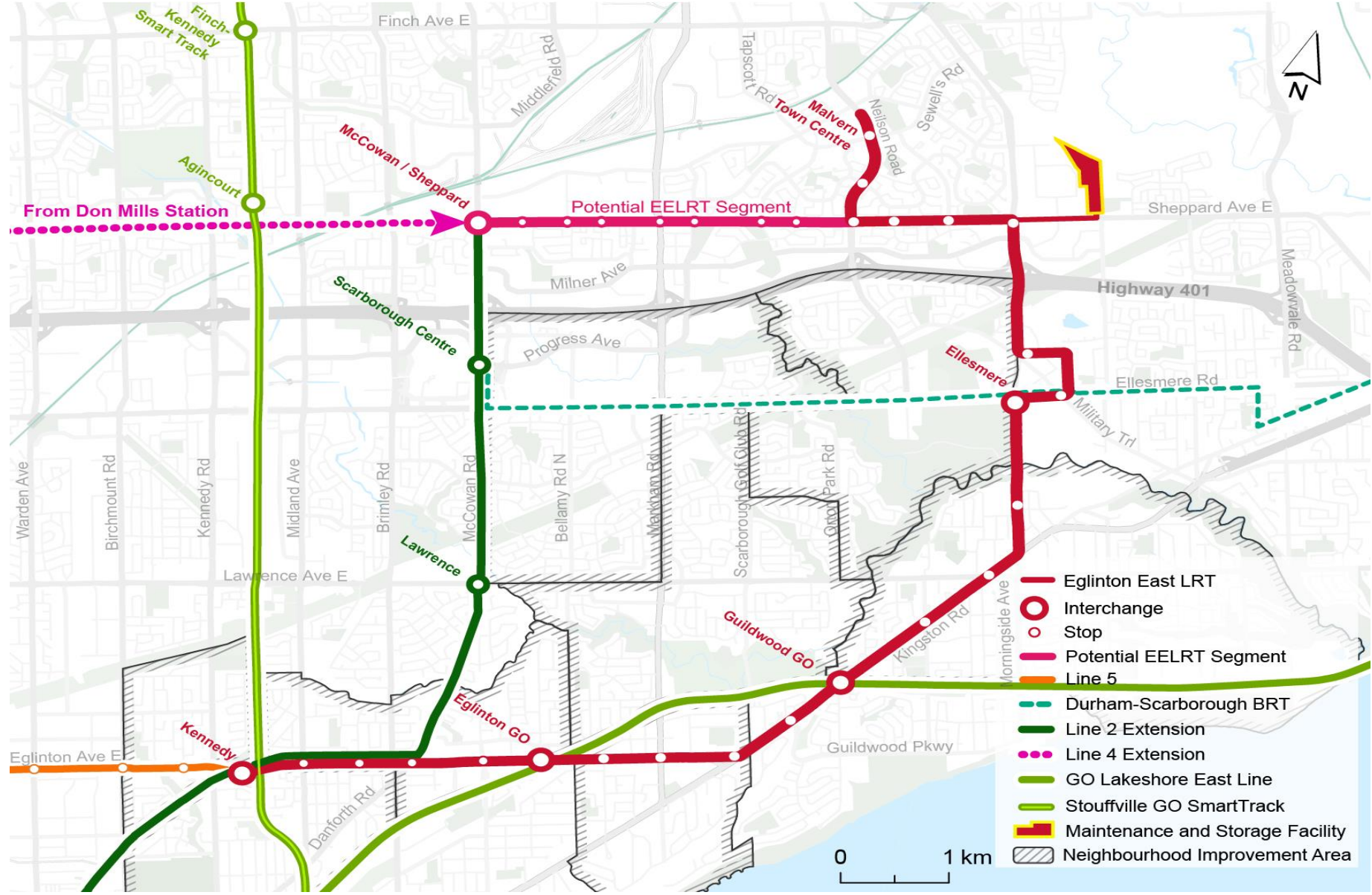
Constructability Issues – Critical Flaw

- The eastern end of the EELRT tunnel box would be resting directly on top of the SSE bored tunnel with less than 2 meters of separation estimated between the two tunnels.
 - The SSE bored tunnel was not designed to support the load of the EELRT tunnel and as such, the additional load and construction disruption caused by the EELRT could negatively impact the integrity of the SSE tunnel.

Through-Service Implication



Proposed Distinct-Service Alignment





Thank you.