

City of Mississauga
Corporate Report



<p>Date: September 19, 2024</p> <p>To: Chair and Members of General Committee</p>	<p>Originator's files:</p>
<p>From: Sam Rogers, MBA, Acting Commissioner of Transportation and Works</p>	<p>Meeting date: November 6, 2024</p>

Subject

2024 Rapid Transit Program Update

Recommendation

That the report titled “2024 Rapid Transit Program Update” dated September 19, 2024, from the Commissioner of Transportation and Works be received.

Executive Summary

- Mississauga is experiencing significant growth in its rapid transit system, driven by an increasing population, housing demands and a commitment to sustainable urban development.
- Significant construction progress of the Hazel McCallion Line (formally known as Hurontario LRT) has continued along all of the 15 km within Mississauga and all work zones. Progress includes track work completed at 31 of 55 intersections, six out of 18 stops are under construction, the completion and handover of Eaglewood bridge and preparation is underway for the upcoming delivery of the light rail vehicles at the Operations, Maintenance and Storage Facility.
- Metrolinx has advised that when construction nears completion and the project moves into the testing and commissioning phase, they will be in a better position to provide a specific opening date for the line.
- The Province has advanced funding for the planning activities for the Downtown Mississauga Extension which is a priority transit project, along with the Brampton Extension, under the *Building Transit Faster Act*. Metrolinx will be continuing with the planning and development process, with timelines and cost being determined through this phase.

- Dundas Bus Rapid Transit (BRT) Mississauga East Detailed Design RFP was released to market in September 2024 with award anticipated for December 2024. The detailed design, early works, and other activities is anticipated to occur between 2025 and 2026. Construction of the Dundas BRT Mississauga East is anticipated to commence in 2027.
- Lakeshore BRT project is moving forward with the Detailed Design Request for Proposals (RFP), which is anticipated to be released to the market by early 2025. Detailed design and early works are anticipated to occur between 2025 and 2026. Construction of the Lakeshore BRT is expected to commence in 2027.
- The Eglinton Crosstown West Extension (ECWE) will run approximately 9.2km from the Renforth Drive Station to the future Mount Dennis LRT Station with approximately 1km of its length within the City of Mississauga. The reference concept design (RCD) for the ECWE has been finalized and the RFP for a design development team has been released.

Background

Mississauga is experiencing significant growth in its rapid transit system, driven by an increasing population, housing demands and a commitment to sustainable urban development. New initiatives aim to enhance connectivity and access and help to reduce congestion on the transportation network. Both the Province and the City continue to invest in modern transit solutions to provide efficient and accessible transportation options that support economic growth and environmental sustainability.

The Rapid Transit Program Office was created to support a continuous pipeline of rapid transit projects transitioning through planning, EA and preliminary design, detailed design and construction with a team of subject matter experts in various disciplines. Currently these projects include the Hazel McCallion Line (formally knowns as the Hurontario Light Rail Transit Line), Dundas BRT Project, Lakeshore BRT Project, the Eglinton Crosstown West Expansion and GO Rail Expansion.

This report is intended to provide a summary of major activities and to flag impending decision areas that will need to be addressed.

Comments

The following is an update on the current rapid transit program in the City of Mississauga:

Hazel McCallion Line

While the province, through Metrolinx and Infrastructure Ontario, continues to lead the implementation of Hazel McCallion Line, the City of Mississauga continues to be an active partner on the project, including the City of Brampton and the Region of Peel.

Mobilinx, the consortium of local and international companies that was awarded the contract to design, build, finance, operate and maintain the Hazel McCallion Line, is responsible for implementing the system on behalf of Metrolinx.

City staff are an integral role in the overall delivery of the Hazel McCallion Line as the right-of-way authority, municipal planning authority and regulator. To date, more than 1,200 design packages have been reviewed by City staff and over 1300 permits, licences and approvals have been issued by staff such as planning approvals to support the implementation of the Hazel McCallion Line. Some highlights of what has been completed in preparation for the future roadway and tracks are show in Figure 1 and include:

- Thirty-one (31) out of 55 intersections with guideway track installed including extensive track work at Topflight Drive.
- Installation, completion and handover of the Eaglewood Bridge.
- Significant progress at Port Credit Station and the operations, maintenance and storage facility (OMSF) nearing completion to accept light rail vehicles delivery.
- Six platforms/stations under construction including the canopy placement at Derry Road and Courtneypark Drive.
- Continued construction of the Highway 403 Flyover.

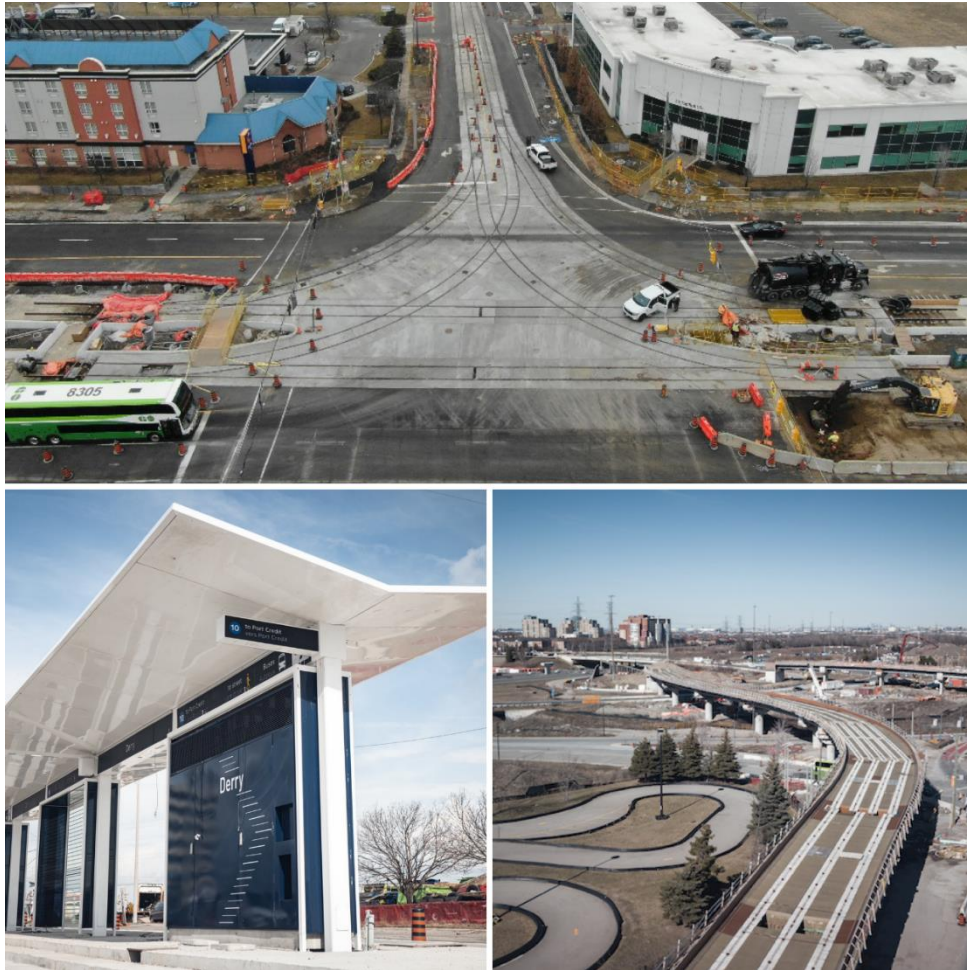


Figure 1: Progress along the HML Corridor including (clockwise) track work at Topflight Drive, station platform placement at Derry Road and elevated guideway across Highway 403.

The Hazel McCallion Line will be a transformative project for the region and both the Downtown Mississauga and Downtown Brampton Extension have always been viewed as potential future phases of this project as outlined in the Regional Transportation Plan (2041). The Province has advanced funding for the planning activities for the Downtown Mississauga Extension which are both priority transit projects under the *Building Transit Faster Act*. Metrolinx has engaged city staff to advance planning work on the Downtown Mississauga Extension and have advised that timelines and costs will be determined through the planning and development process.

Dundas BRT Mississauga East

In May 2018, City of Mississauga completed the Dundas Connects Master Plan, which established a transportation and planning vision for Dundas Street through a comprehensive consultation process. As recommended in the report titled 'Dundas Connects Master Plan' to General Committee on June 20, 2018 from the Commissioner of Transportation and Works. City Council subsequently endorsed the Dundas BRT Mississauga East project, which recommended median running BRT for a 7 km segment of the Dundas Street between Etobicoke Creek and Confederation Parkway. A rendering of the proposed Dundas BRT is shown below in Figure 2.



Figure 2: Dundas BRT and Far-Side Station Concept

The project received a Notice to Proceed from the provincial government in April 2022 following the completion and approval of the TPAP. The 30% preliminary design was completed in early 2024. Due to the new provincial housing mandate, additional water and wastewater infrastructure scope from the Region of Peel was incorporated into the Dundas BRT Mississauga East project scope of work. The Dundas BRT Mississauga East Detailed Design RFP was released to market in September 2024 with award anticipated for December 2024. The detailed design, early works, and other activities is anticipated to occur between 2025 and 2026. Construction of the Dundas BRT East is anticipated to commence in 2027.

Dundas BRT Mississauga West

As recommended in the Corporate Report titled “Request for Authority to Enter into Cost Sharing Agreement with Metrolinx to undertake the Dundas Bus Rapid Transit Corridor Preliminary Design and Transit Project Assessment Process” on July 8, 2023 to General Committee from the Commissioner of Transportation and Works, the City and Metrolinx entered into a cost sharing agreement to undertake the Dundas Bus Rapid Transit Corridor Preliminary Design and Transit Project Assessment Process. This current phase of the project is on-going and is scheduled to be completed by August 2025. The Dundas BRT Mississauga West segment runs along the Dundas Street corridor between Ninth Line and Confederation Parkway.

Lakeshore Bus Rapid Transit

As recommended in the report titled ‘Lakeshore Connecting Communities Transportation Master Plan’ to General Committee on June 5, 2019, from the Commissioner of Transportation and Works, Council endorsed the Lakeshore Transportation Master Plan, which recommended medium running Bus Rapid Transit for a 2km segment of the Lakeshore Road between Etobicoke Creek and East Avenue. A rendering of the proposed Lakeshore BRT is shown in Figure 3.

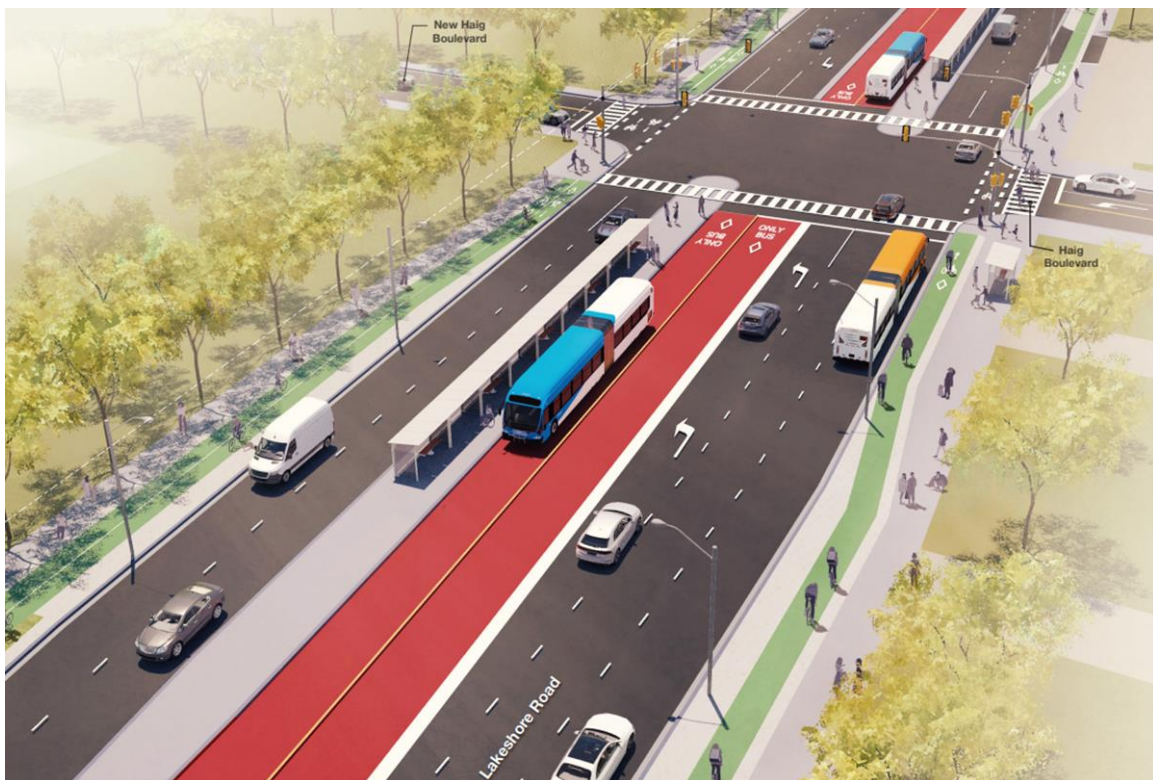


Figure 3: Lakeshore BRT rendering at Lakeshore Road East and Haig Boulevard

Following the endorsement of the Lakeshore TMP, the City proceeded with developing the preliminary design and completing the TPAP for the Lakeshore BRT project. The TPAP Notice of Completion was subsequently issued on July 27, 2023. In May 2023, a Minister Zoning Order

(MZO) was announced, doubling the residential units from 8,000 to 16,000 at the Lakeview development. As such, a Lakeview Neighbourhood MZO Impact Analysis Memo was completed in Q4 2023. The memo recommended that the Lakeshore BRT design protect for the conversion to streetcar or LRT.

Currently, the Lakeshore BRT project is moving forward with the Detailed Design Request for Proposals (RFP), which is anticipated to be released to the market by early 2025. Detailed design and early works are anticipated to occur between 2025 and 2026. Construction of the Lakeshore BRT is expected to commence in 2027.

Eglinton Crosstown West Extension

The Eglinton Crosstown West Extension (ECWE) project represents a major investment by Metrolinx in transit infrastructure in the Cities of Mississauga and Toronto that will bring more rapid transit connections to the City of Mississauga and provide significant benefits to residents and employers, including reduced travel times, improved access to jobs, schools and other destinations, and reduced traffic congestion.

The project is an extension of the new Eglinton Crosstown LRT line and will run approximately 9.2km from the Renforth Drive Station to the future Mount Dennis LRT Station with approximately 1km of its length within the City of Mississauga. The Airport Segment of the Eglinton Crosstown is a planned extension of the Project that is currently in the early planning stages and will extend the ECWE approximately 4.7km from the Renforth Drive Station to Toronto Pearson Airport.

The Mississauga Transitway will be able to connect to and serve both of these rapid transit lines by way of the Renforth Station.

The reference concept design (RCD) for the ECWE has been finalized by the Metrolinx team, and the RFP for a design development team has been released.

Following the completion of the procurement process for the ECWE, the development phase of the project will begin and City staff will coordinate with the Metrolinx team to advance the project to detailed design.

The airport extension is currently in the early planning stages internally at Metrolinx and City staff anticipate engagement with preliminary design discussions in 2025.

Financial Impact

There are no financial impacts resulting from the recommendations in this report.

Conclusion

The ongoing development of rapid transit in Mississauga, highlighted by the Hazel McCallion Line, Dundas BRT Mississauga East, Lakeshore BRT, Eglinton Crosstown West Extension and, marks significant steps toward sustainable and efficient transportation network. These projects not only enhance connectivity within the city but also promote economic growth, reduce congestion and encourage environmentally friendly travel options. As Mississauga continues to evolve, these transit initiatives will play a crucial role in shaping a vibrant urban landscape that meets the needs of its residents and supports a thriving community for years to come.



Sam Rogers, MBA, Acting Commissioner of Transportation and Works

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