



METROLINX

An agency of the Government of Ontario

New Transit Initiatives in the Greater Toronto and Hamilton Area

Canadian Rail Summit

May 13, 2016 | John Jensen, Chief Capital Officer



Who is Metrolinx?

Metrolinx was created in 2006 by the Province of Ontario as the **first Regional Transportation Agency** for the Greater Toronto and Hamilton Area.

Plan



Build



Operate



Metrolinx catchment:

Greater Toronto & Hamilton Area (GTHA)

Expansive

- 8,242 km², 1.5 times the size of Prince Edward Island
- Diverse spectrum of urban, suburban and rural land use

Fast-growing

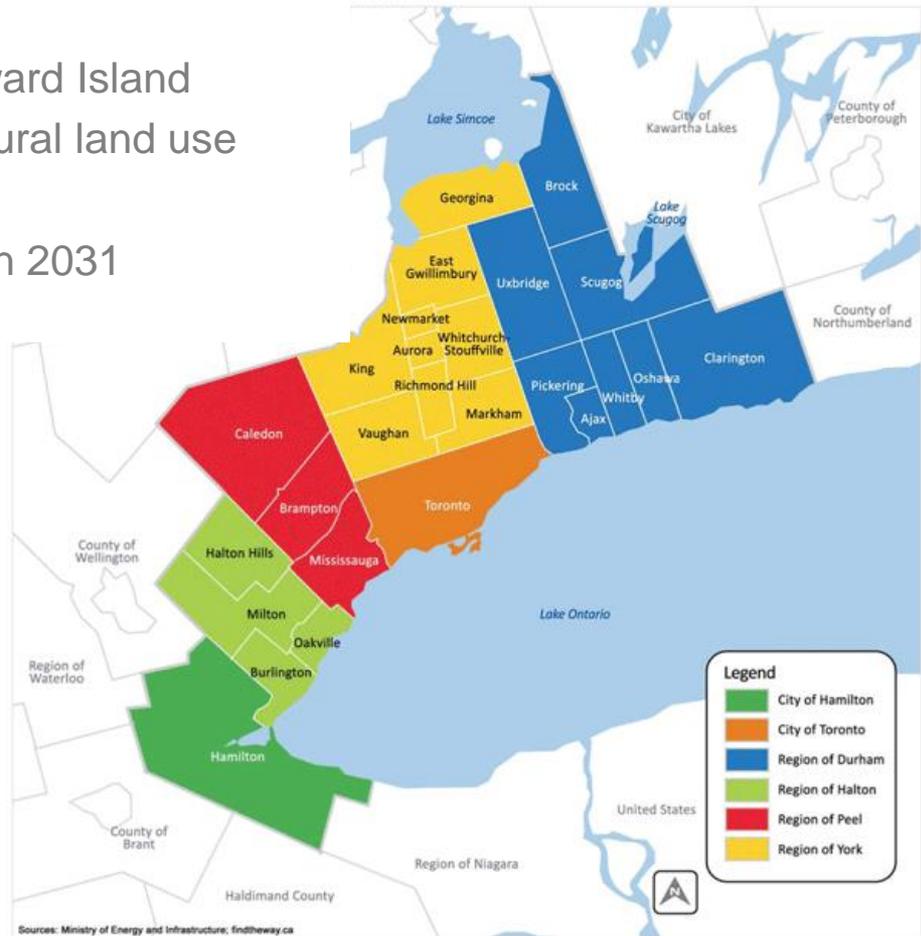
- 6.6 million people in 2011, will be 9 million in 2031

Complex

- 4 levels of government
- 30 municipalities
- 9 municipal transit agencies + Metrolinx

Certain Metrolinx initiatives reach beyond the GTHA

- Select GO Transit services extend to an outer arc of communities including Peterborough, Barrie, Waterloo and Niagara.
- PRESTO and Transit Procurement Initiative serve communities across Ontario



A Region under Pressure

The GTHA “suffers from traffic congestion problems, poorly integrated transit services and relatively underdeveloped transport infrastructure.” OECD Territorial Review, 2010



- Average commute time per person, per day is 82 minutes.
- Projected to increase to 109 minutes in the next 25 years.



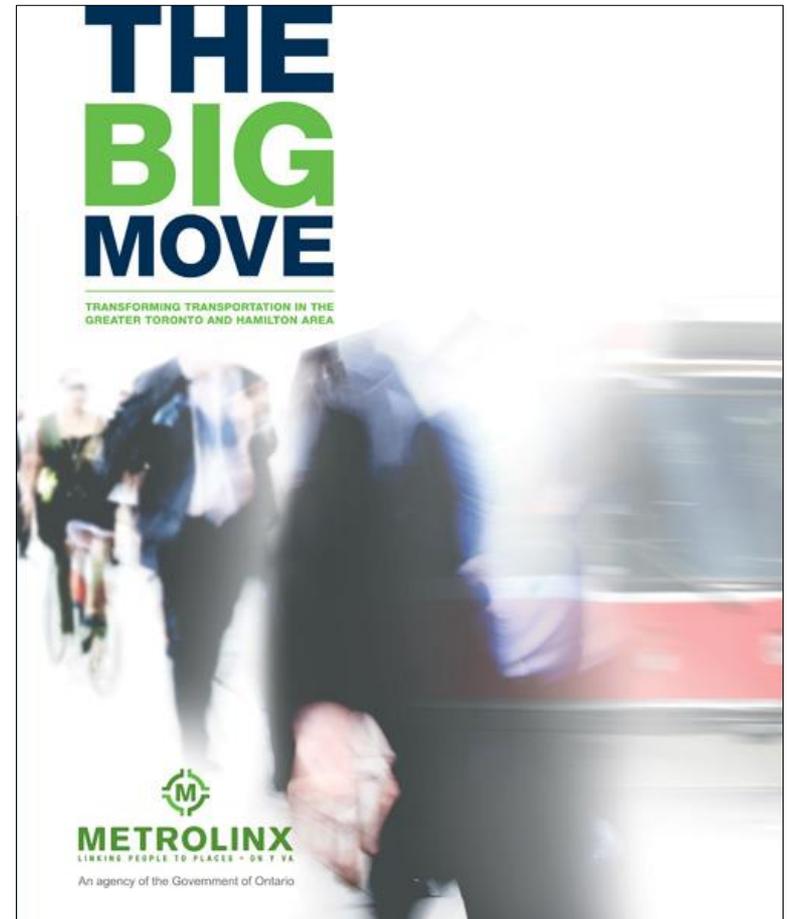
- Costs \$6 billion in travel costs and lost productivity every year.
- By 2031, this number could increase to \$15 billion.



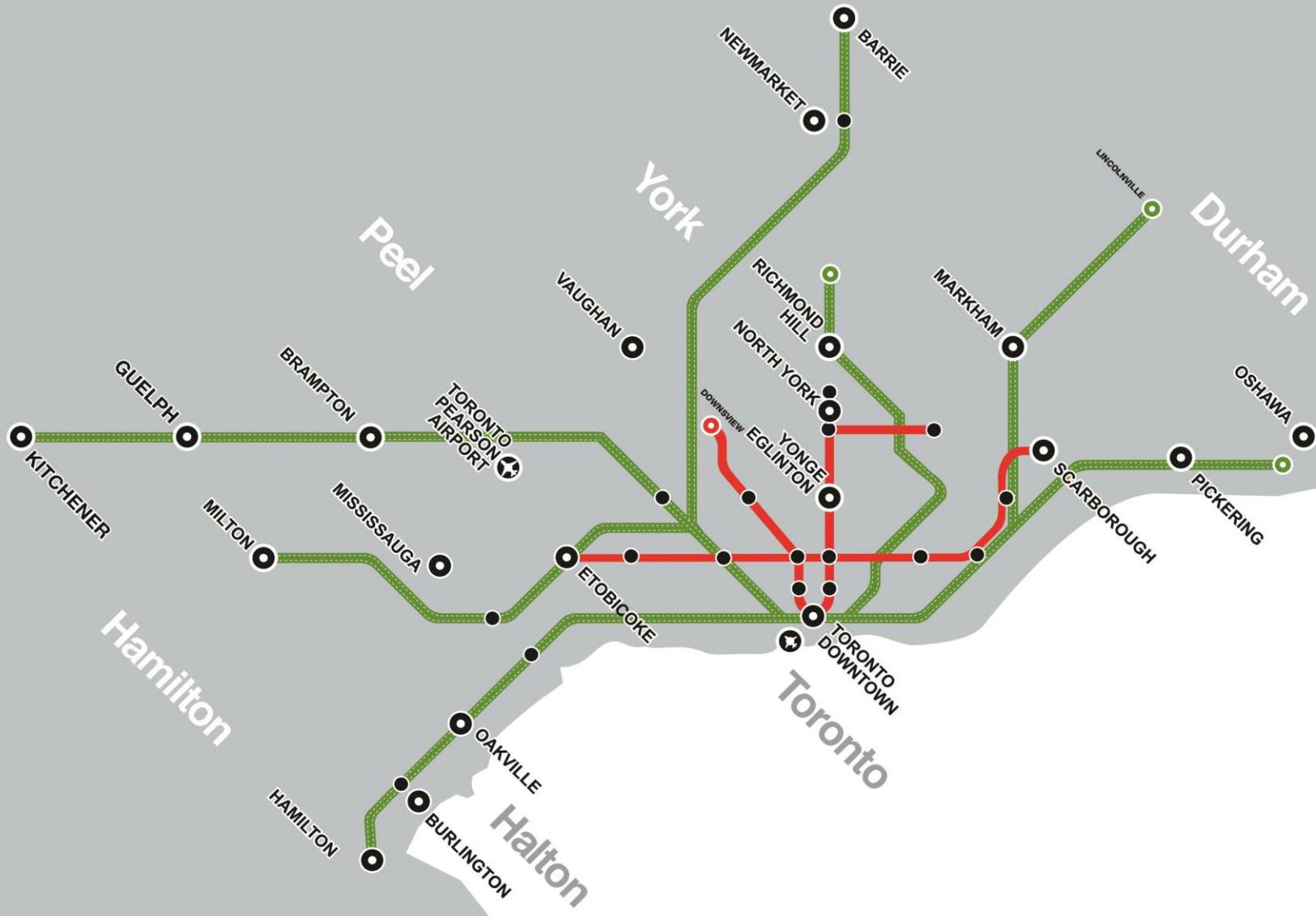
- Over 500,000 tonnes of annual GHG emissions is due to traffic congestion.

Regional Transportation Plan

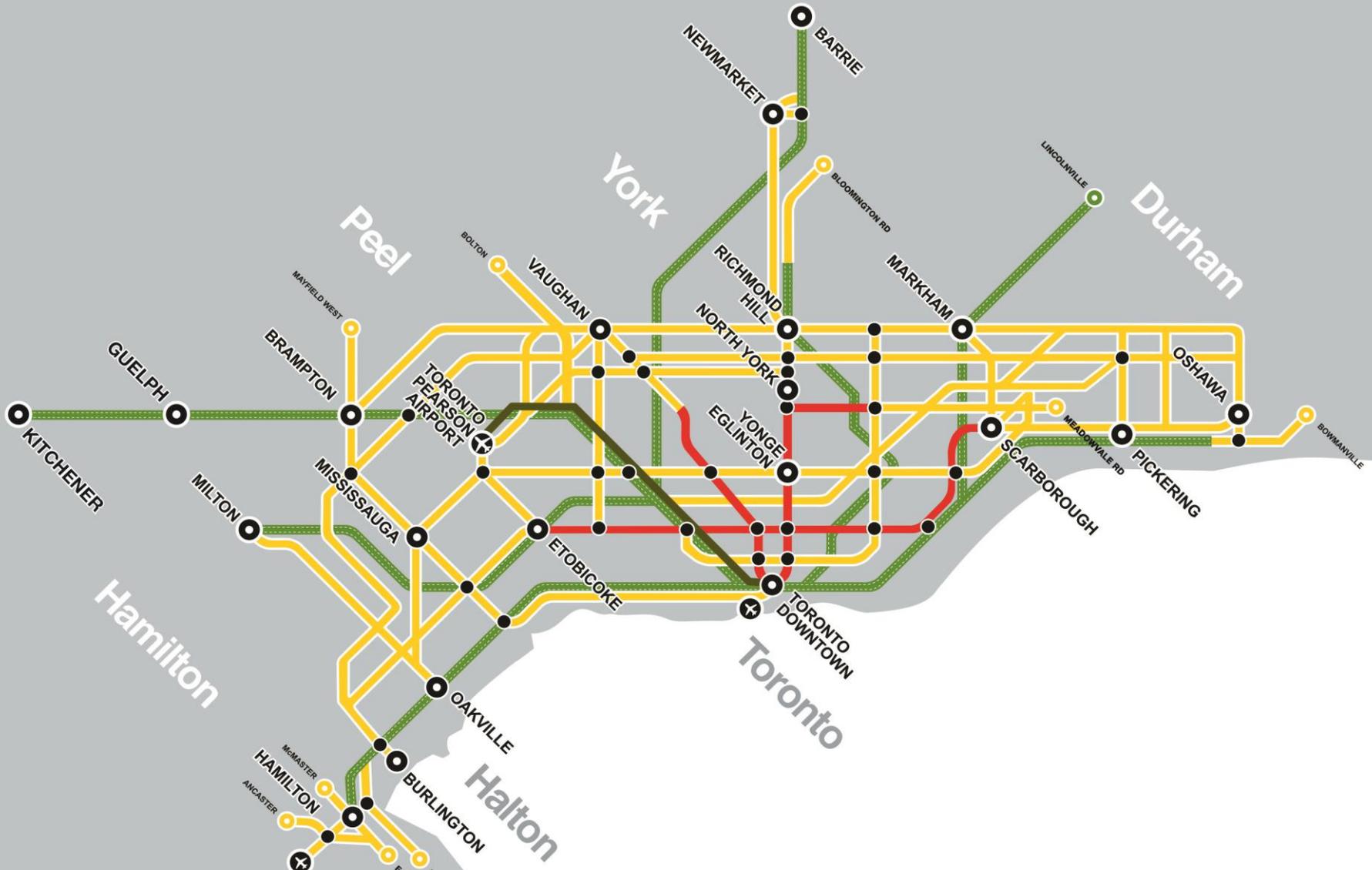
- A blueprint that reaches out 25 years into the future to guide and direct decision-making
 - Aligned with Growth Plan and Greenbelt
- About values as much as it is about vehicles – includes over 100 priority actions and supporting policies covering a wide range of transportation areas
- The Plan must be reviewed at least every 10 years after the passing of the *Metrolinx Act* in 2006. The first formal review process is underway.



We Plan: From 2008...



We Plan: To A Network Vision



Building the regional rapid transit network



Transforming GO train service

- **More service** on all lines
- Electric trains, **every 15 minutes or better** in both directions, for most GO customers



Five new light rail transit lines

Under construction:

- **Eglinton Crosstown**

In design/planning:

- **Finch West**
- **Sheppard East**
- **Hurontario**
- **Hamilton**



Two bus rapid transit projects

Partially in-service, with remainder under construction:

- **Viva** in York Region
- **Mississauga Transitway**



UP Express

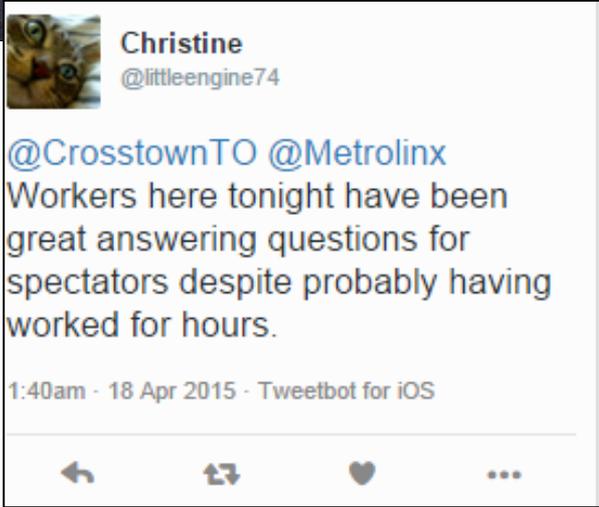
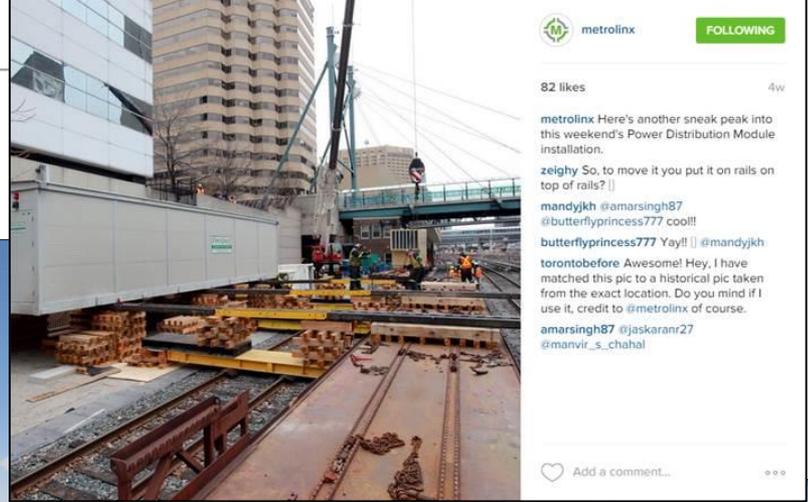
- Express air rail link from Union Station to Pearson airport
- Delivered on time and on budget
- Started service **June 6, 2015**



Connecting it all together

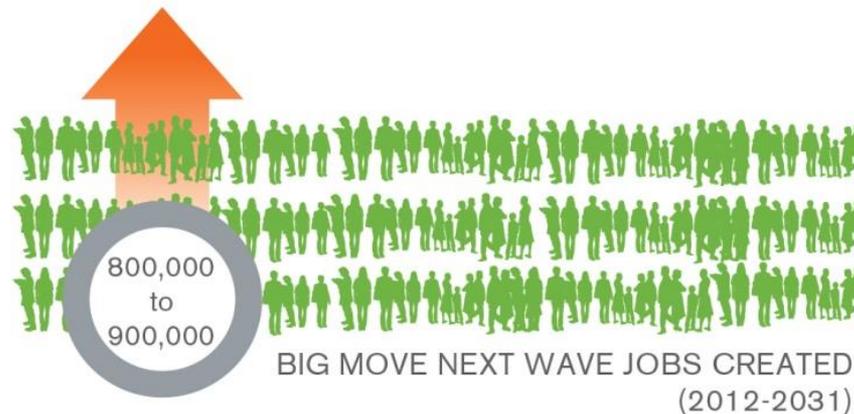
- Expanding and revitalizing **Union Station**, the heart of the regional network
- One payment system across the 905 region and now deploying on TTC, on UP and on OC Transpo.

Work underway across the region



Economic benefits of building transit

*Metrolinx's regional transportation plan will result in **800,000 - 900,000 person years of jobs** and an infusion to our economy in the area of **\$110-130 billion***



- Spinoff benefits for local suppliers/vendors as construction services and materials are sourced
- Increased land and development values through improved access to transit
- Improved transportation system generates higher productivity

New transit initiatives: Expanded GO Service



Through our 10-year Regional Express Rail program, we will change the way our entire region moves, by bringing two-way 15 minute electrified GO train service to core parts of GO owned network.

The vision for Expanded GO Service

New infrastructure

- Approximately **150 kms** of upgrades to tracks
- Nearly **100** bridge modifications
- **146** rail/road crossings being evaluated for grade separations
- Region-wide electrification



Convenience

Two-way, all-day transit

Congestion Relief

Reduced crowding on highways, roads, and local transit systems

Growth & Prosperity

Improved access to employment and education

New transit initiatives: Eglinton Crosstown LRT

- 19 km long: 10 km underground and remainder running on surface in dedicated lanes
- Up to 60% faster than current bus service
- Closely integrated with the rest of the regional transit network:
 - Will connect with TTC subway at three existing subway stations (Eglinton West, Yonge-Eglinton and Kennedy)
 - Will connect with GO RER at one existing GO station (Kennedy) and two planned GO stations (Mt. Dennis and Caledonia)
- First part of tunnelling now complete



New transit initiatives: Finch & Sheppard LRTs

Funded by \$8.7 billion commitment to Toronto projects from 2010

Finch West LRT

Connecting Humber College to new Finch West station on Spadina subway extension

Sheppard East LRT

13 km extending eastwards from existing TTC subway line at Don Mills



New transit initiatives: LRT Projects in Western GTHA

Funded by *Moving Ontario Forward*
GTHA transit fund

Hurontario LRT

20 kilometres and 22 stops extending from Port Credit GO Station in Mississauga to the Gateway Terminal at Steeles Avenue in Brampton



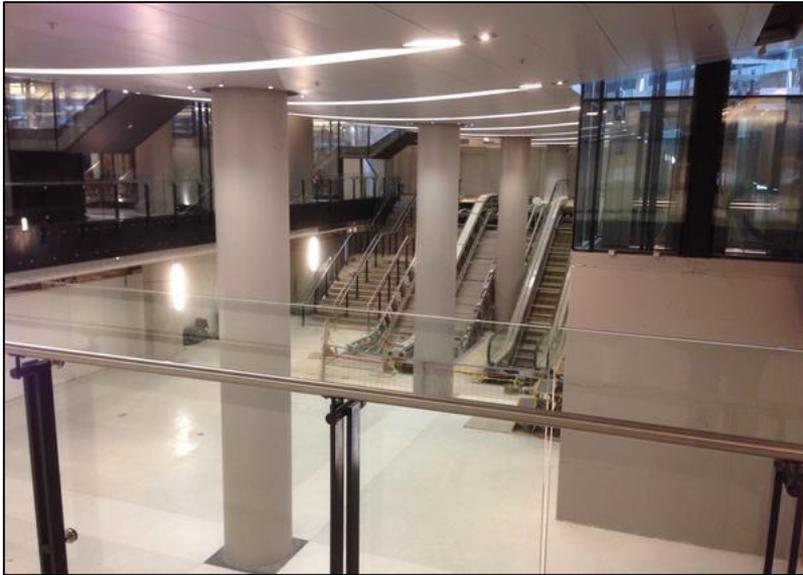
Hamilton LRT

East-west LRT from McMaster to Queenston Circle
North spur along James Street to West Harbour GO Station



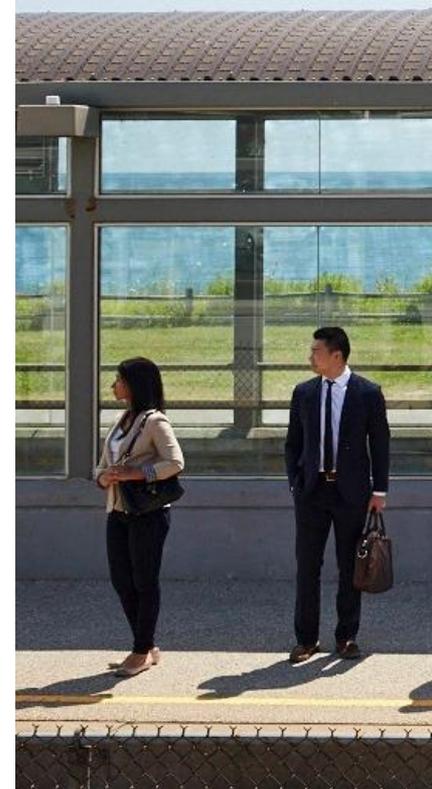
Union Station revitalization

The heart of the regional rapid transit network: Canada's busiest passenger transportation hub serves 250,000 people every day with many more expected in the future



What's next?

- Continue to progress on projects underway
- In 2016 and beyond, we will be planning for:
 - potential new stations on the GO rail network
 - electrification
 - an updated Regional Transportation Plan
 - simple, hassle free integrated transit fares
 - local rail infrastructure improvements





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