



**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 km<sup>2</sup>, 1.5 times the size of Prince Edward Island
- Diverse spectrum of urban, suburban and rural land use

## Fast-growing

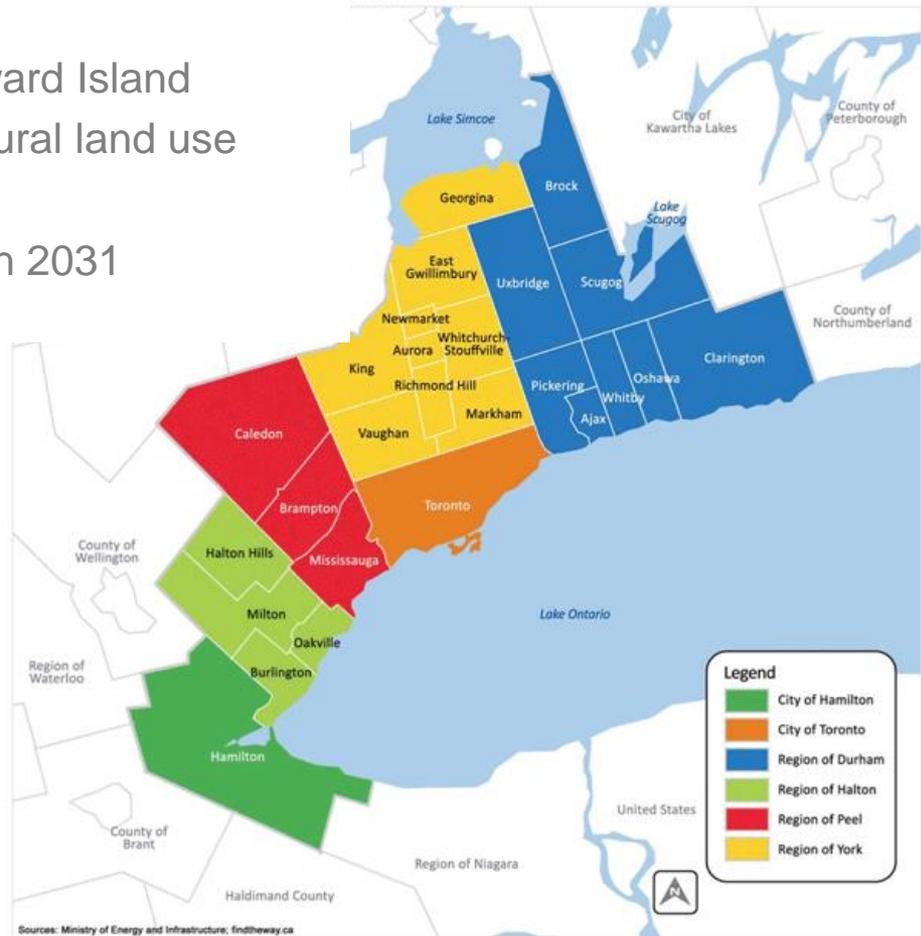
- 6.6 million people in 2011, will be 9 million in 2031

## 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.



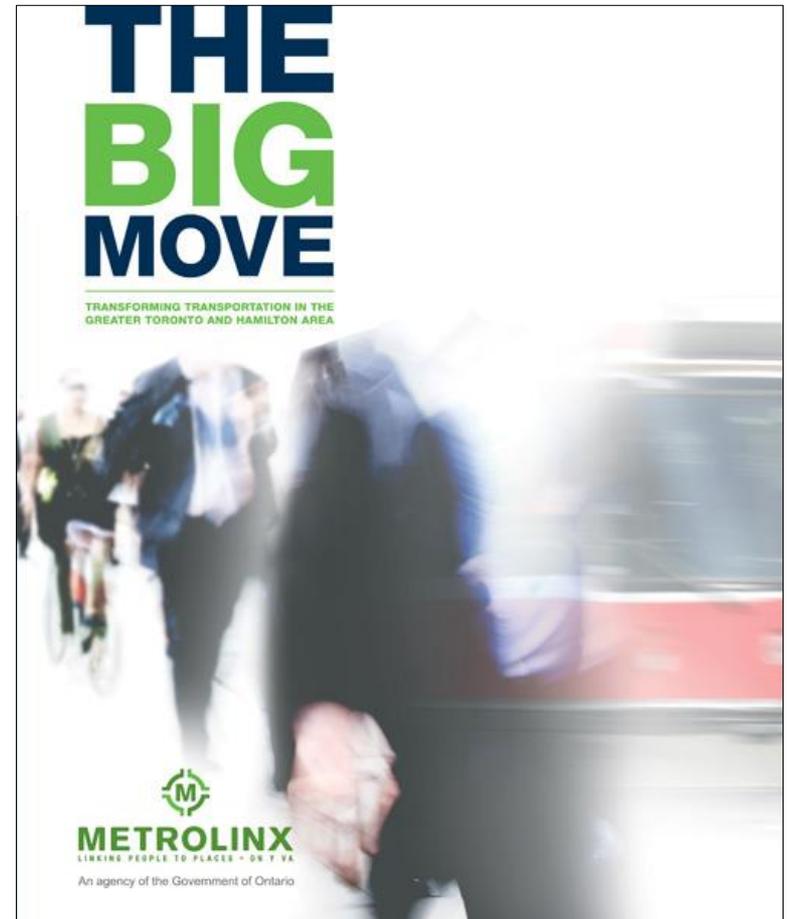
- Costs \$6 billion in travel costs and lost productivity every year.
- By 2031, this number could increase to \$15 billion.



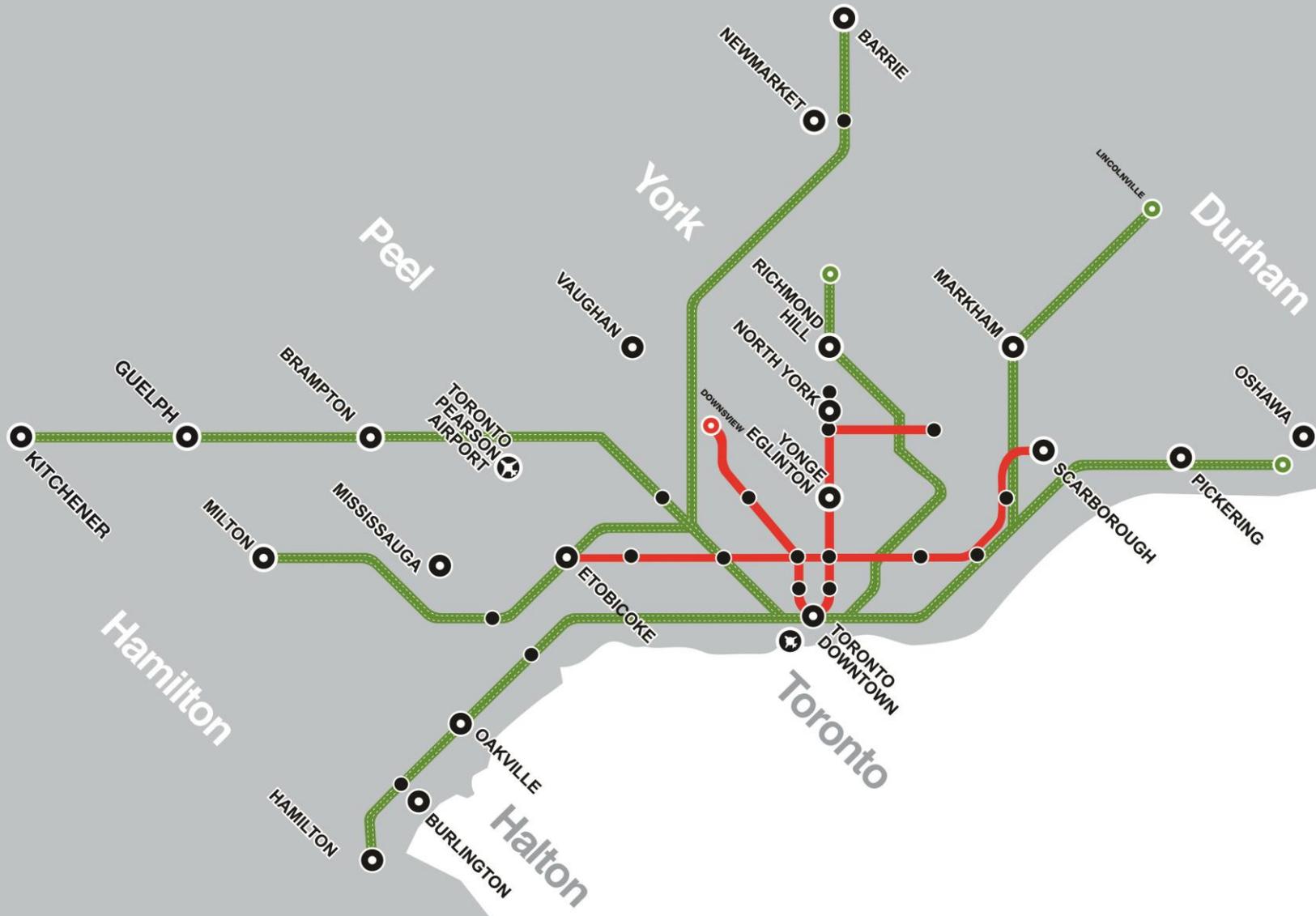
- Over 500,000 tonnes of annual GHG emissions is due to traffic congestion.

# Regional Transportation Plan

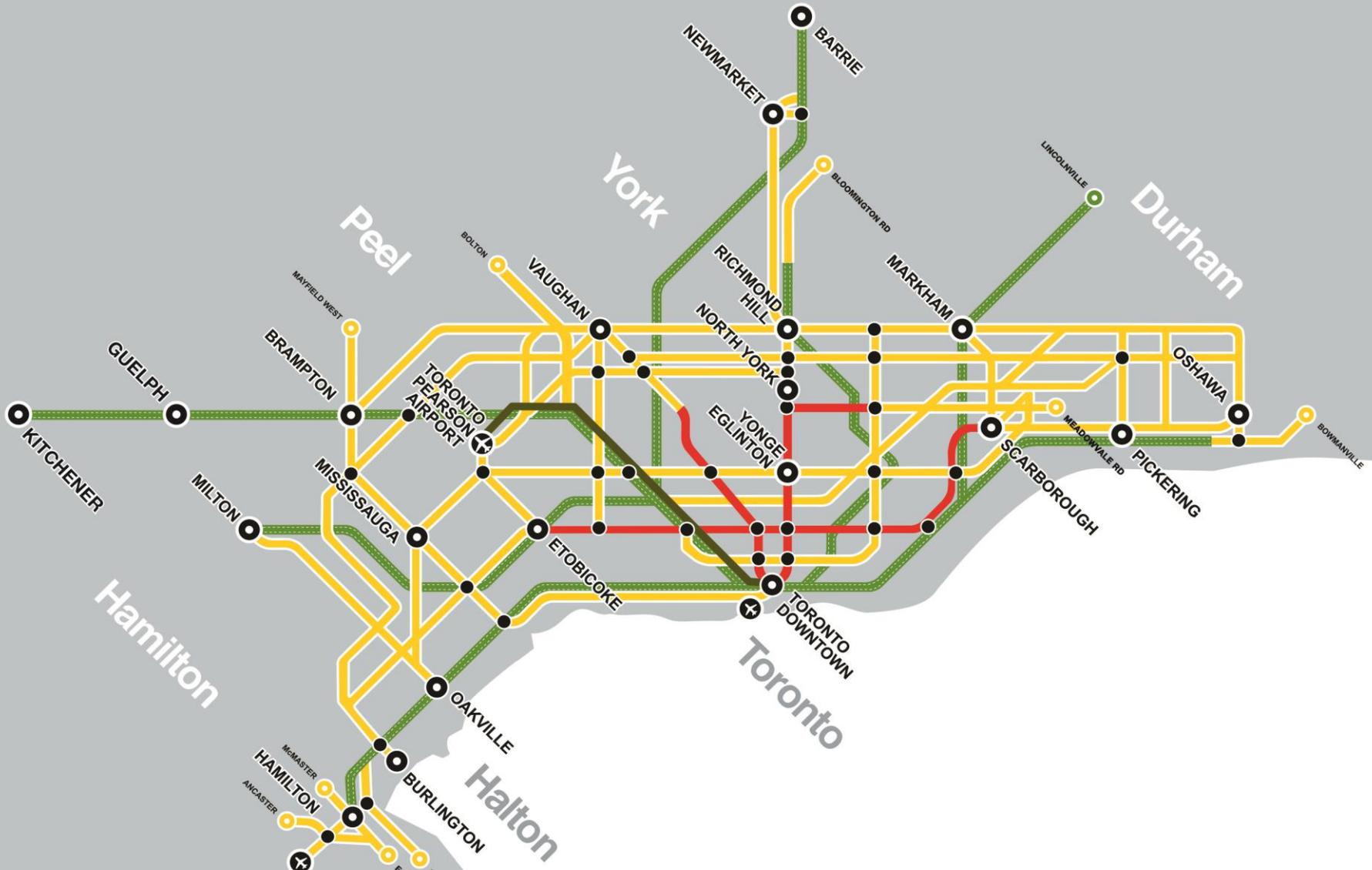
- A blueprint that reaches out 25 years into the future to guide and direct decision-making
  - Aligned with Growth Plan and Greenbelt
- About values as much as it is about vehicles – includes over 100 priority actions and supporting policies covering a wide range of transportation areas
- The Plan must 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

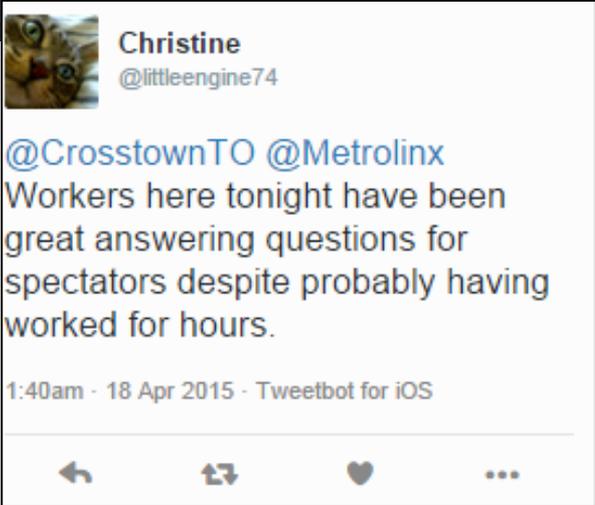
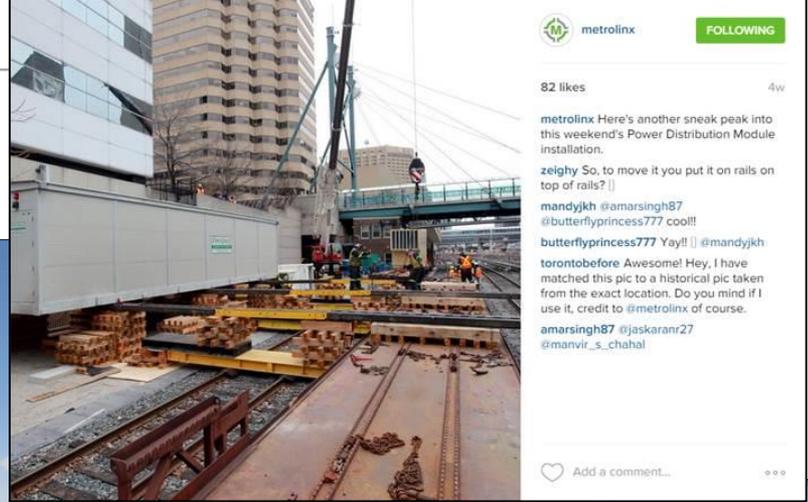
- Express air rail link from Union Station to Pearson airport
- Delivered on time and on budget
- Started service **June 6, 2015**



## Connecting it all together

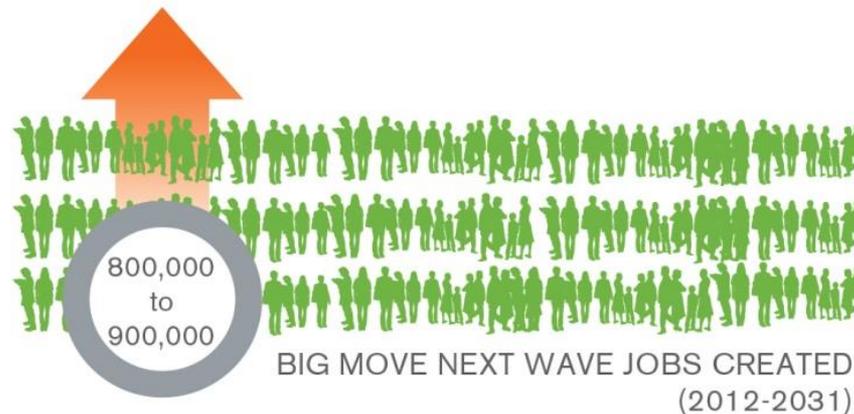
- Expanding and revitalizing **Union Station**, the heart of the regional network
- One payment system across the 905 region and now deploying on TTC, on UP and on OC Transpo.

# 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

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# New transit initiatives: Expanded GO Service

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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



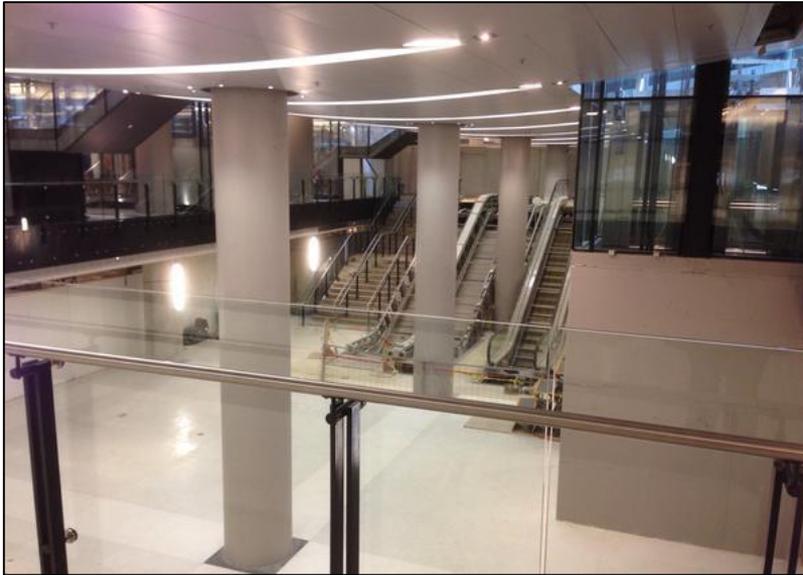
## Hamilton LRT

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



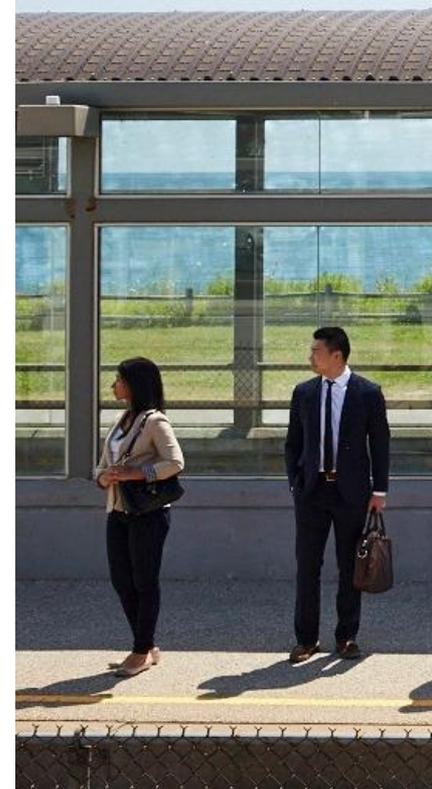
# Union Station revitalization

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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