



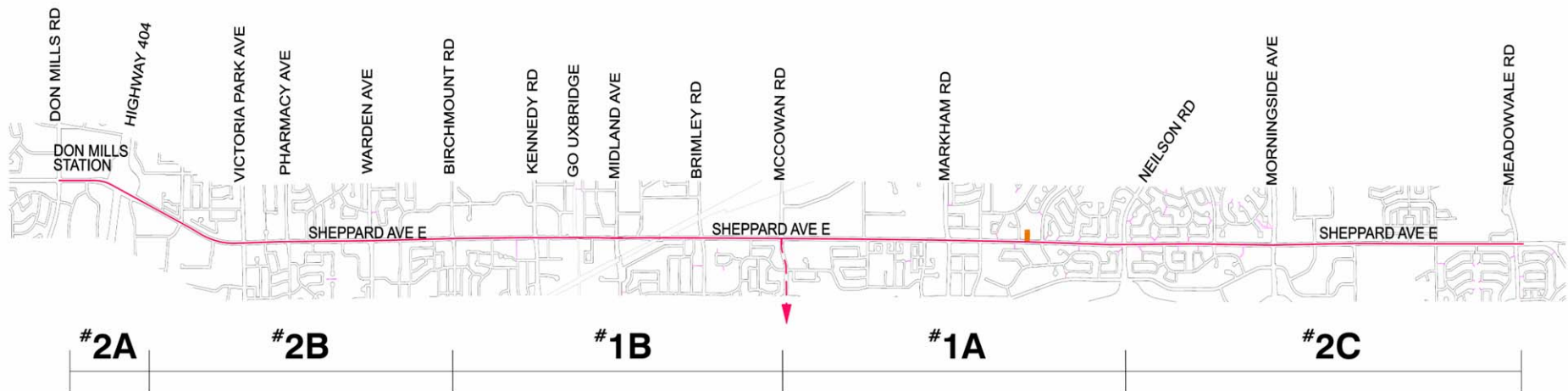
# Sheppard East LRT

- Environmental Project Report filed with MOE January 9, 2009
- public review period ended February 9, 2009
- six requests for Part II orders
- grade-separation @ GO, east of Kennedy:
  - detailed engineering
  - construction starts June, 2009
    - road, rail diversion
    - excavation, construction



# Sheppard East LRT

- McCowan Road – Neilson Road:
  - detailed engineering
  - construction starts fall, 2009
- Birchmount Road – McCowan Road right-of-way:
  - detailed engineering starts spring, 2009



## Sheppard Avenue East LRT

### 2009-2011

Phase #1A - McCowan Road to Neilson Road

Phase #1B - Birchmount Road to McCowan Road

### 2010-2012

Phase #2A - Portal connecting LRT at Consumers Road to Don Mills Station

Phase #2B - Consumers Road to Birchmount Road

Phase #2C - Neilson Road to Meadowvale Road



# Sheppard East LRT

- Metrolinx concept: Sheppard East, Finch West joined together:
  - major effect on Don Mills Station
  - may affect the opening of Sheppard East LRT
  - determining effects on cost, schedule





# Paris, France





# Barcelona, Spain







# Non Avenue – Intersection

Existing Condition

Morningside Ave



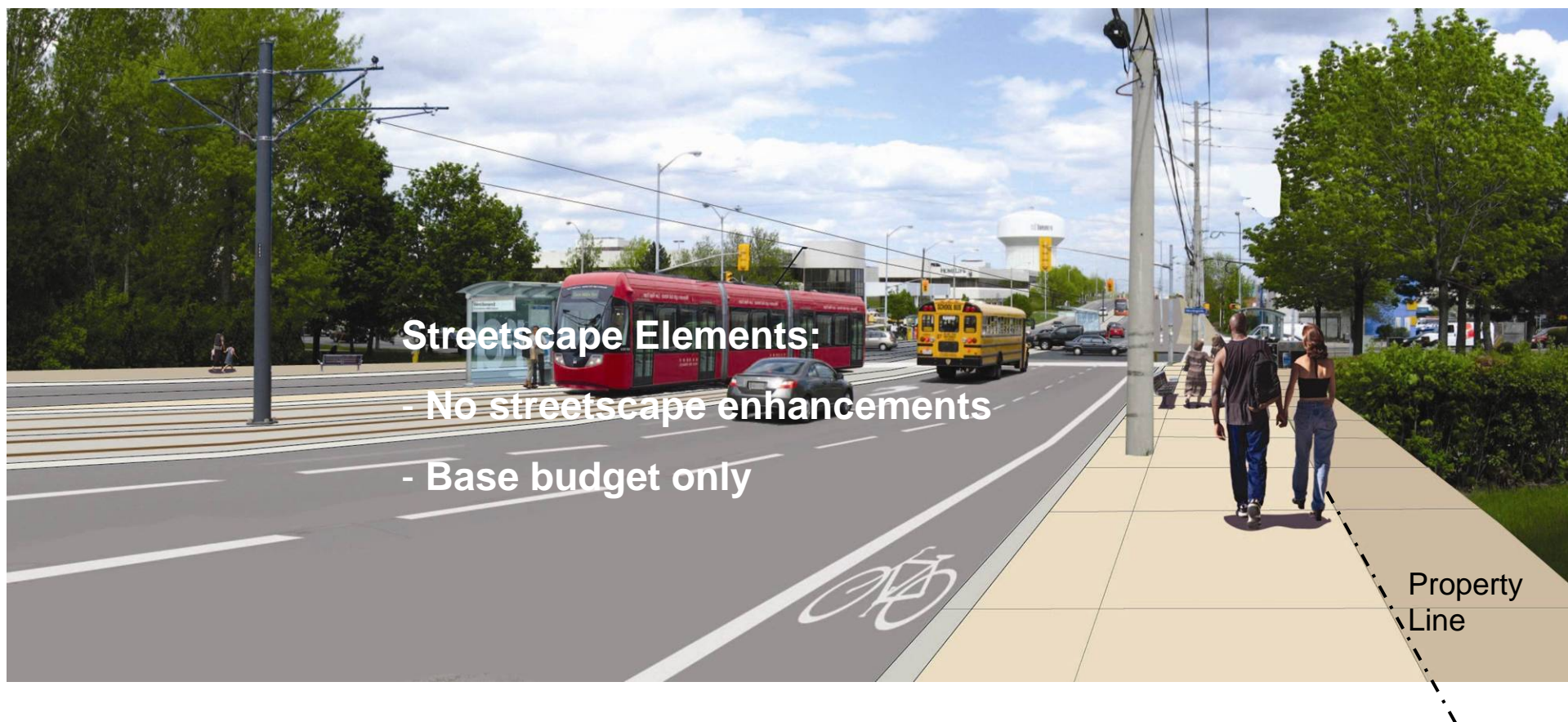




# Non Avenue – Intersection

Interim Condition

Morningside Ave





# Avenue / Urban Intersection

Existing Conditions

Victoria Park



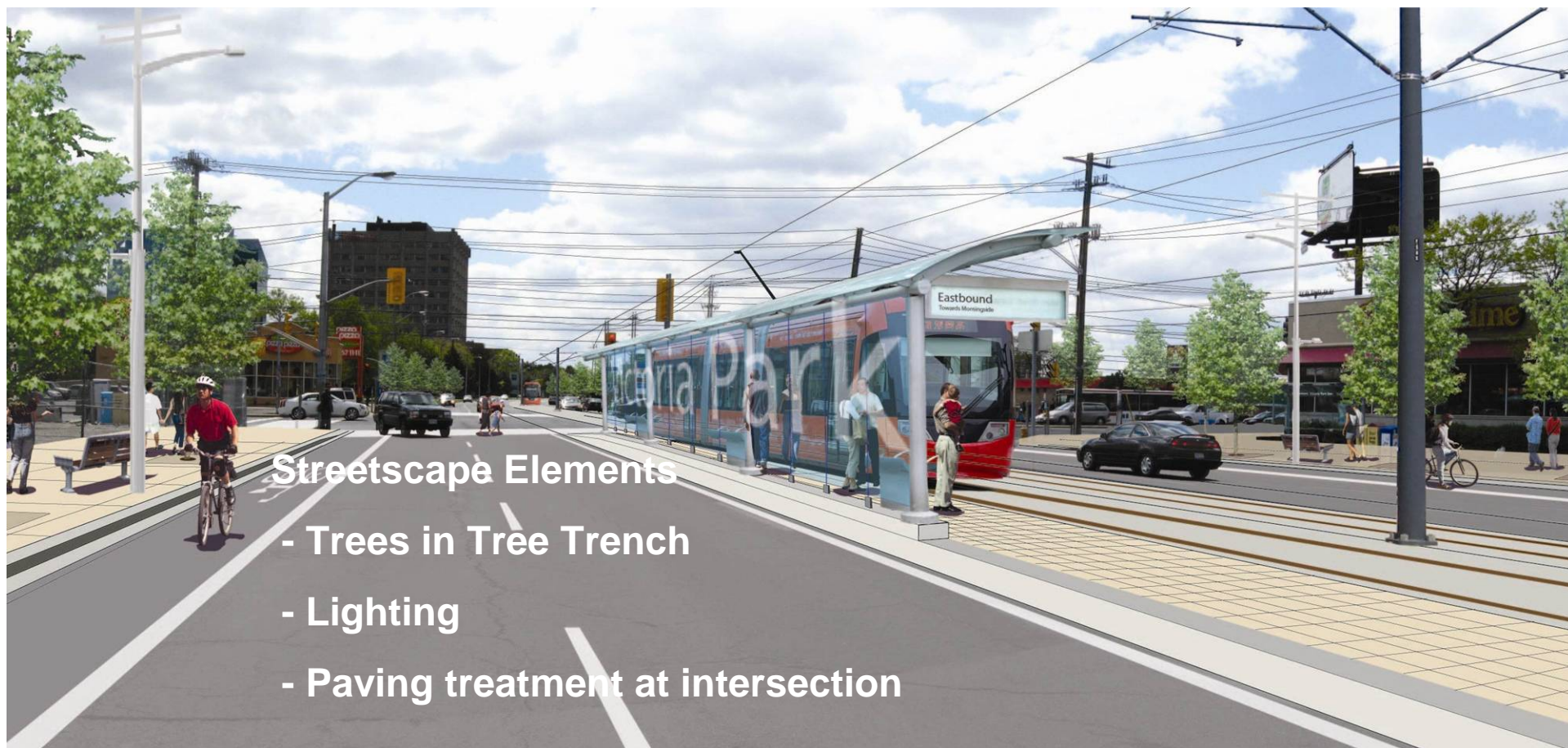




# Avenue / Urban Intersection

Interim Conditions

Victoria Park



## Streetscape Elements

- Trees in Tree Trench
- Lighting
- Paving treatment at intersection





# Avenue / Urban Mid Block Base

Existing Conditions

Kennedy Road







# Avenue / Urban Mid Block Base

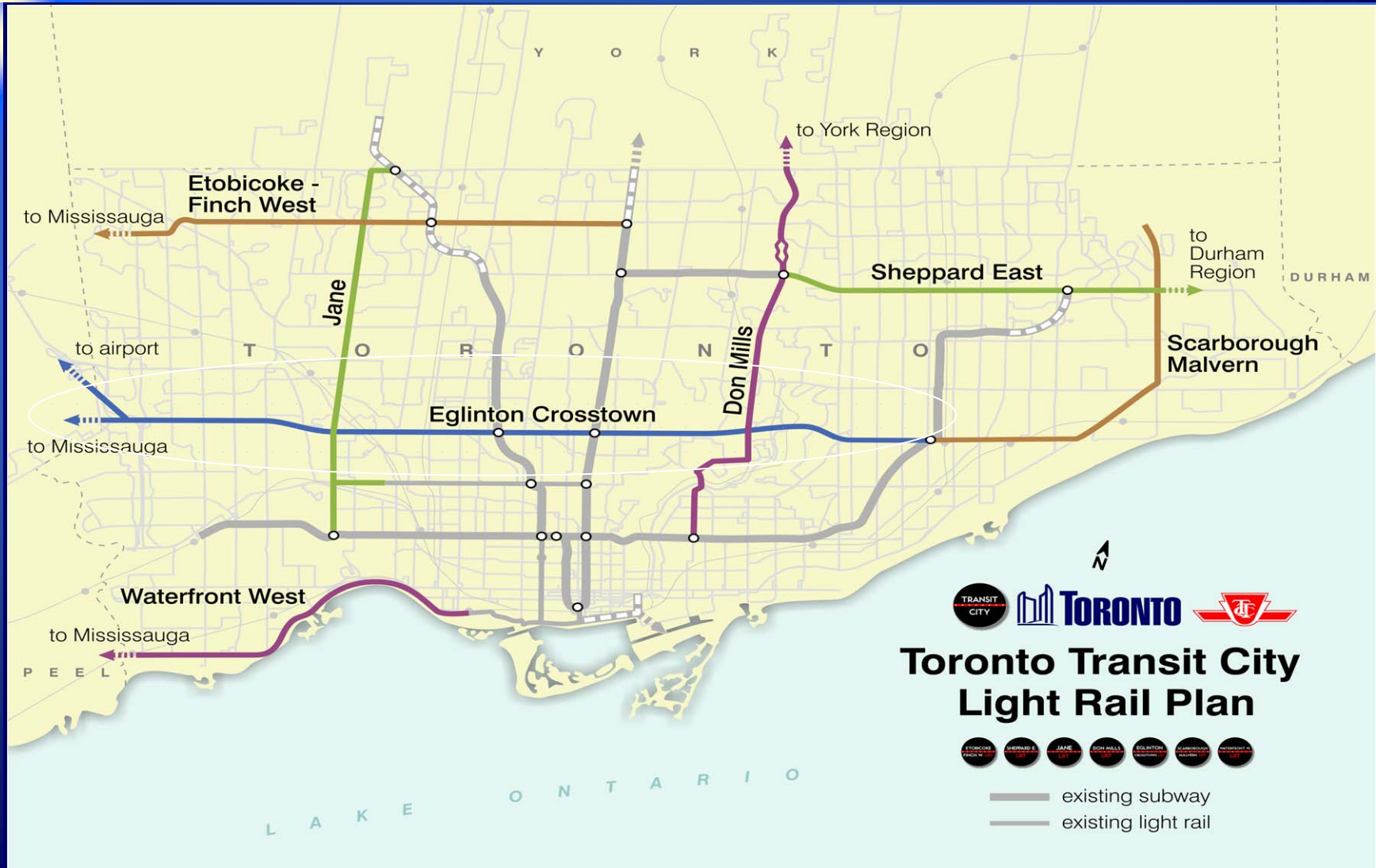
Interim Conditions

Kennedy Road



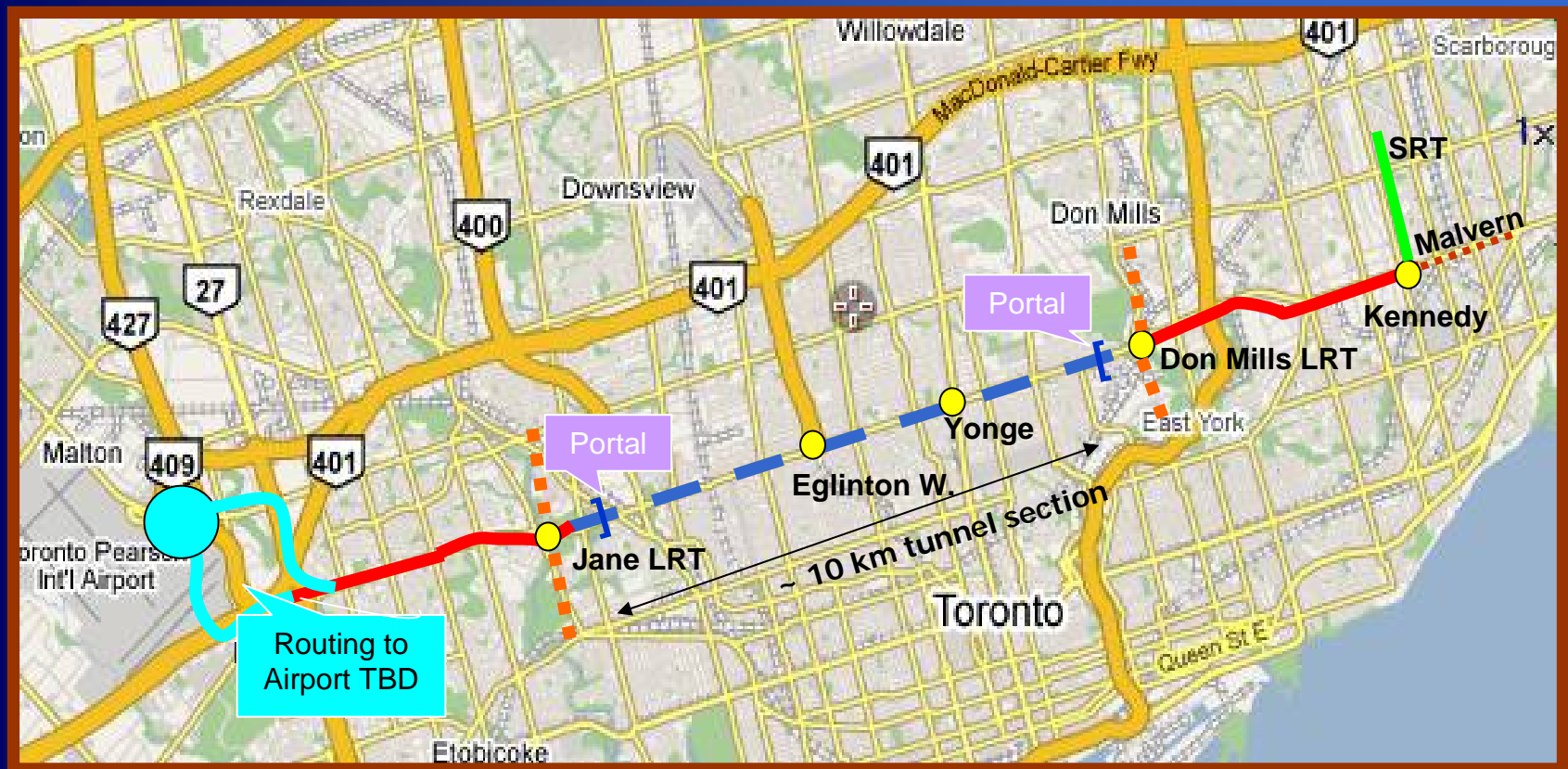






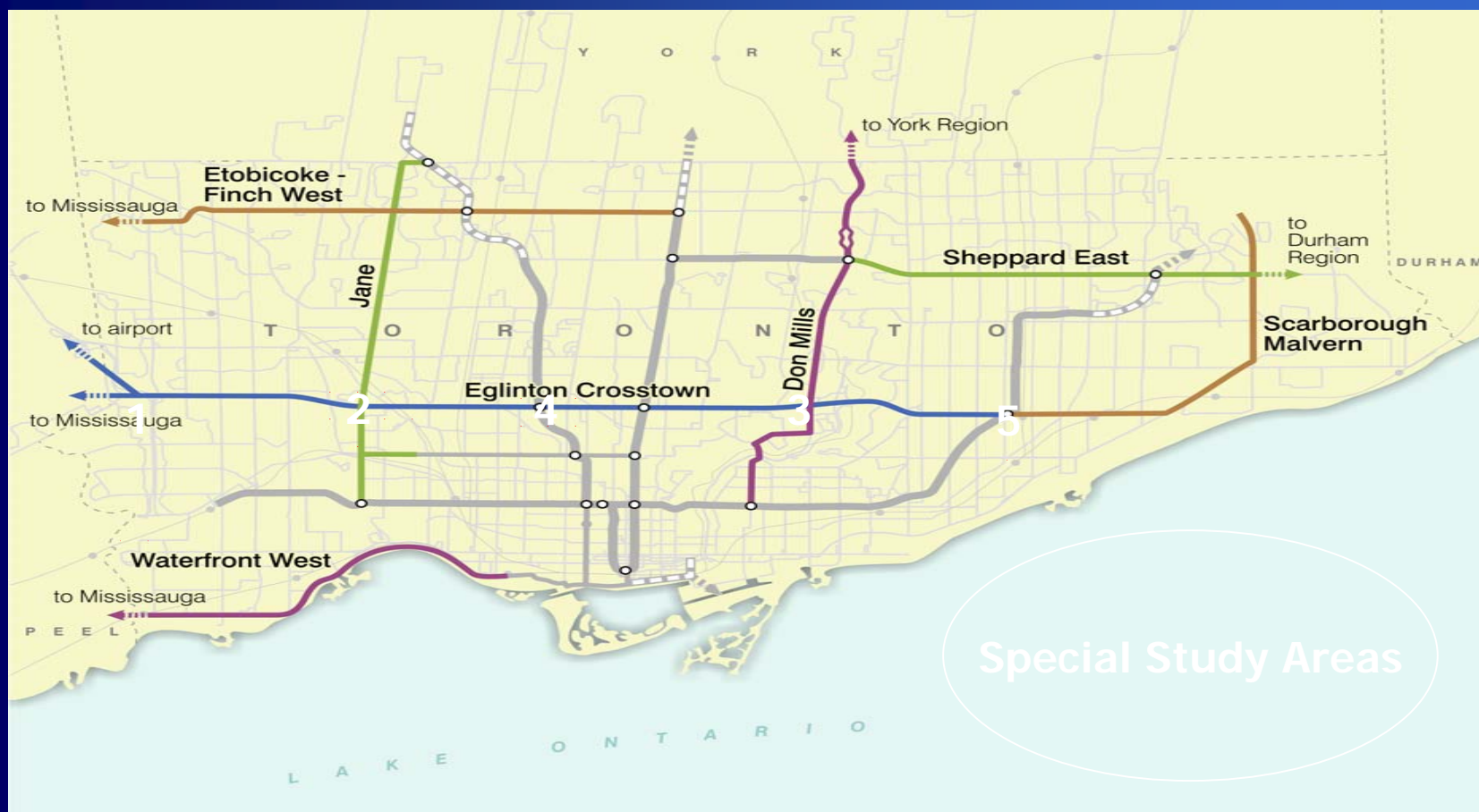


# Eglinton-Crosstown LRT Overview





# Eglinton-Crosstown LRT Special Study Areas







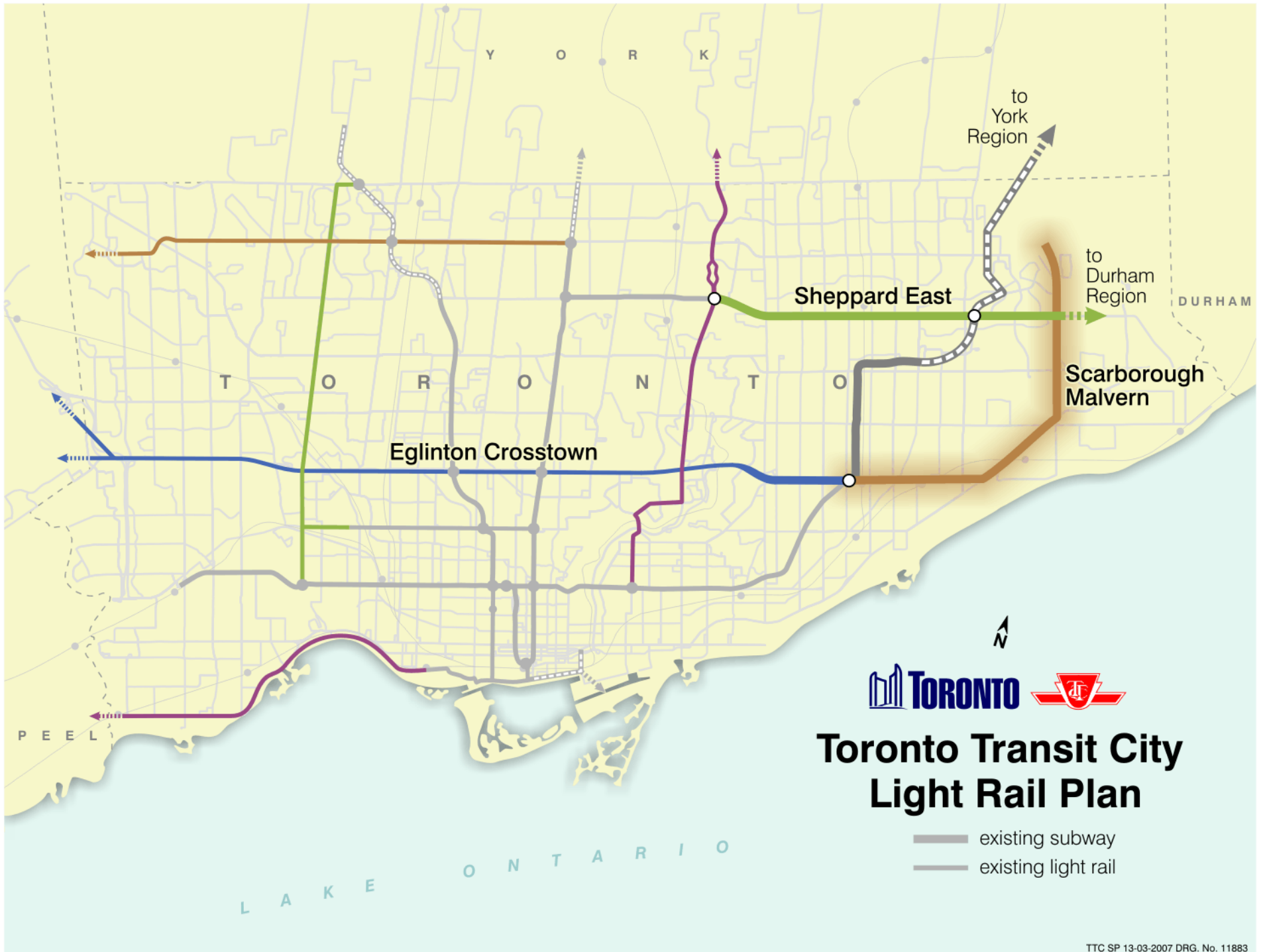
## Project, Funding Status

- detailed traffic analyses -- traffic "hot spots"
- underground construction methodology study
- horizontal, vertical alignments
- local, inter-regional transit interfaces

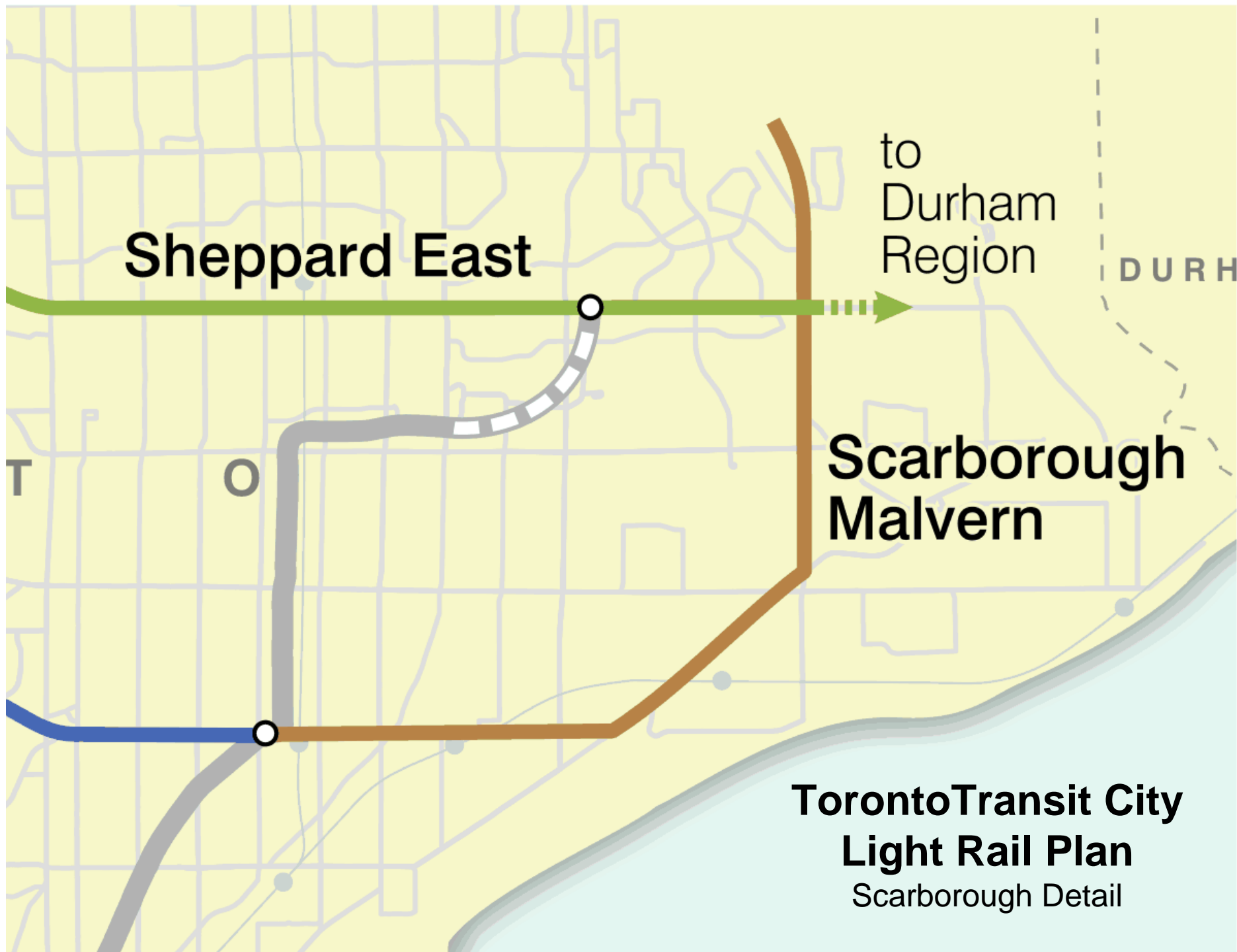


## Project, Funding Status

- extension, connections at Pearson Airport
- stop locations, traffic management solutions
- maintenance and storage facilities
- Provincial funding announcement:
  - \$4.6 billion





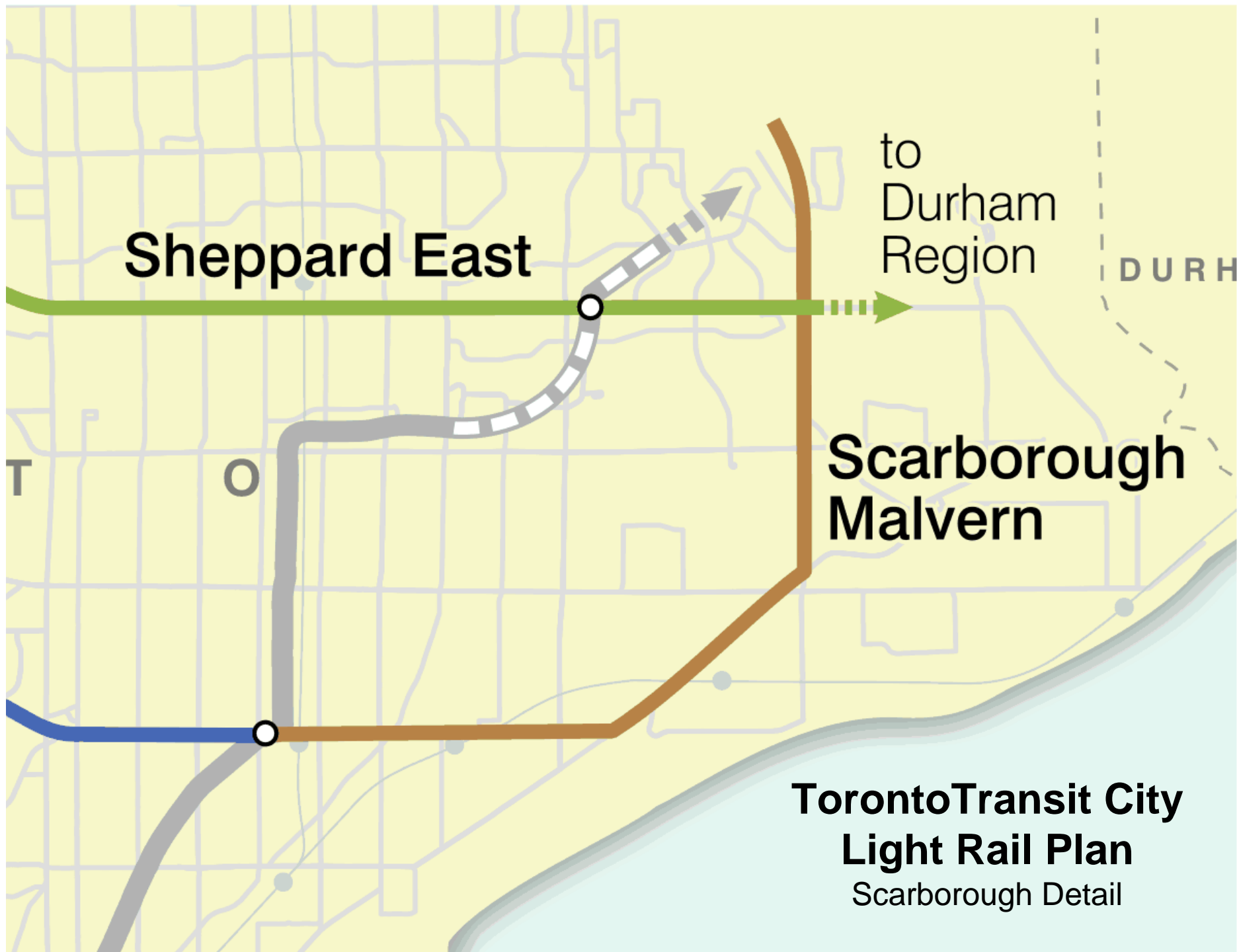


**Sheppard East**

to  
Durham  
Region

**Scarborough  
Malvern**

**Toronto Transit City  
Light Rail Plan**  
Scarborough Detail



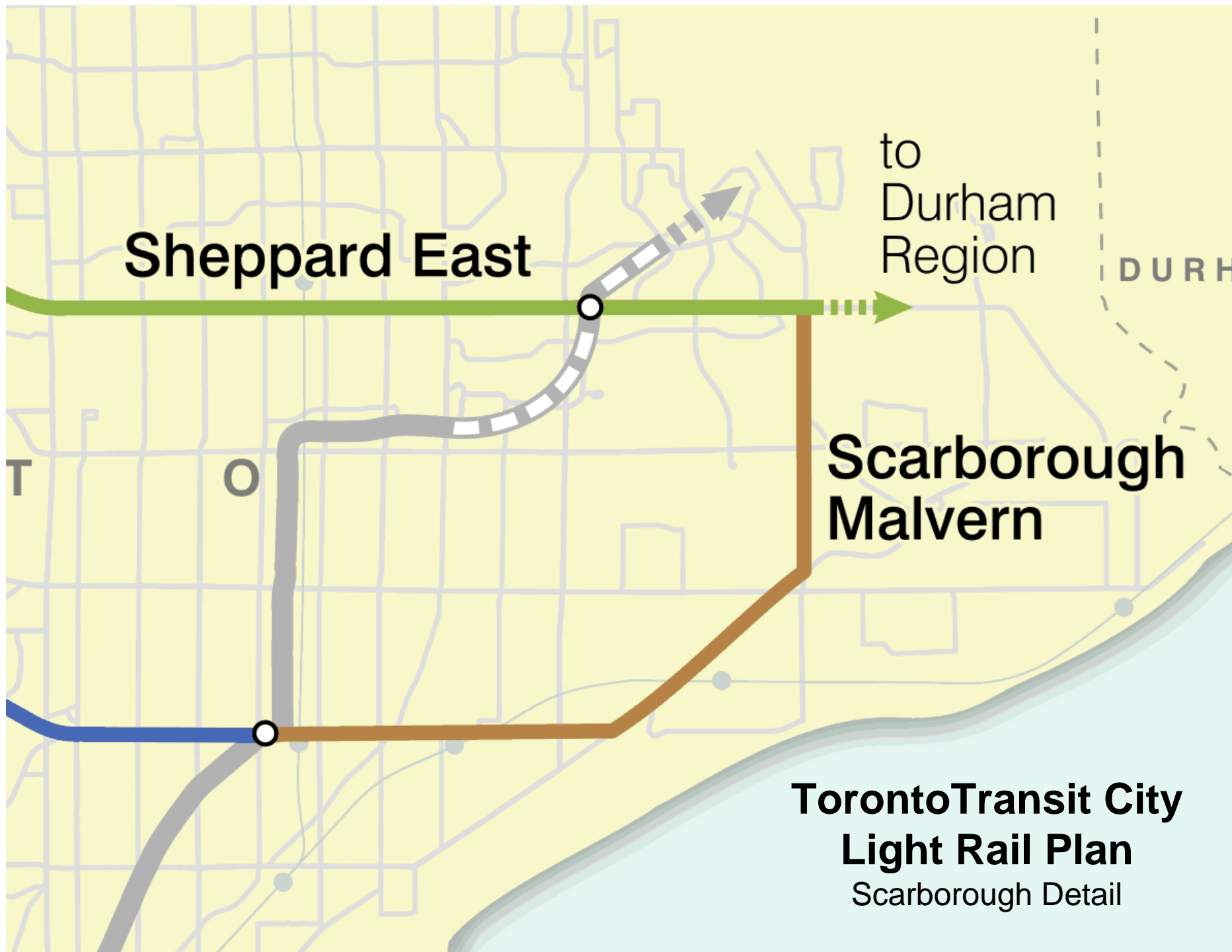
**Sheppard East**

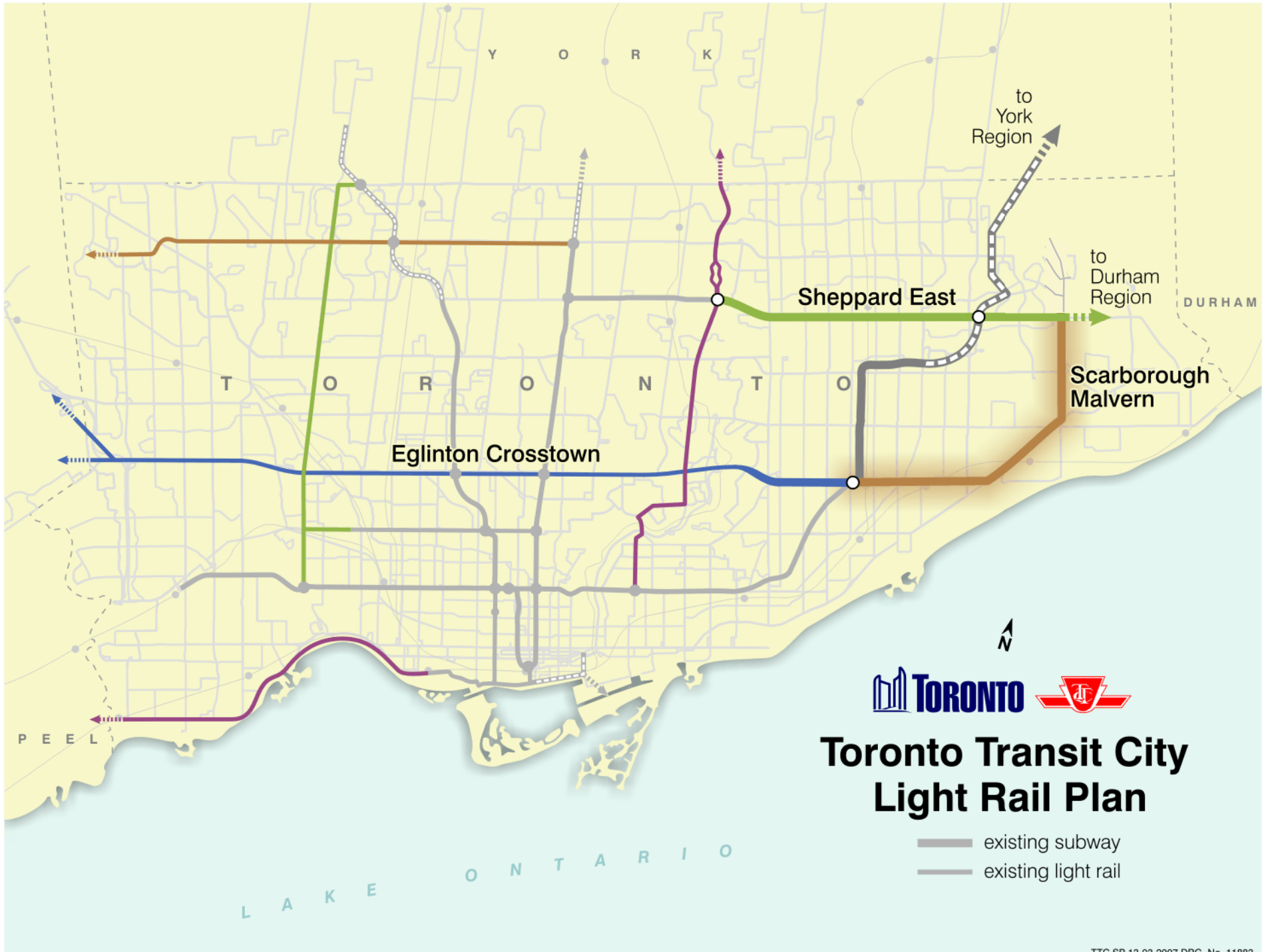
to  
Durham  
Region

**Scarborough  
Malvern**

**Toronto Transit City  
Light Rail Plan**  
Scarborough Detail









## Scarborough – Malvern LRT

- Scarborough RT extension to Malvern
- Scarborough-Malvern to Malvern: redundant
  - terminate LRT at Sheppard Avenue
- acceptable design solution for crossing Highland Creek
- 2015 Pan Am Games: sensitive to timing



- Scarborough Malvern LRT
- Sheppard East LRT
- Eglinton Crosstown LRT
- Scarborough RT
- Bloor-Danforth
- Major Transfer Hub

## Fast Facts

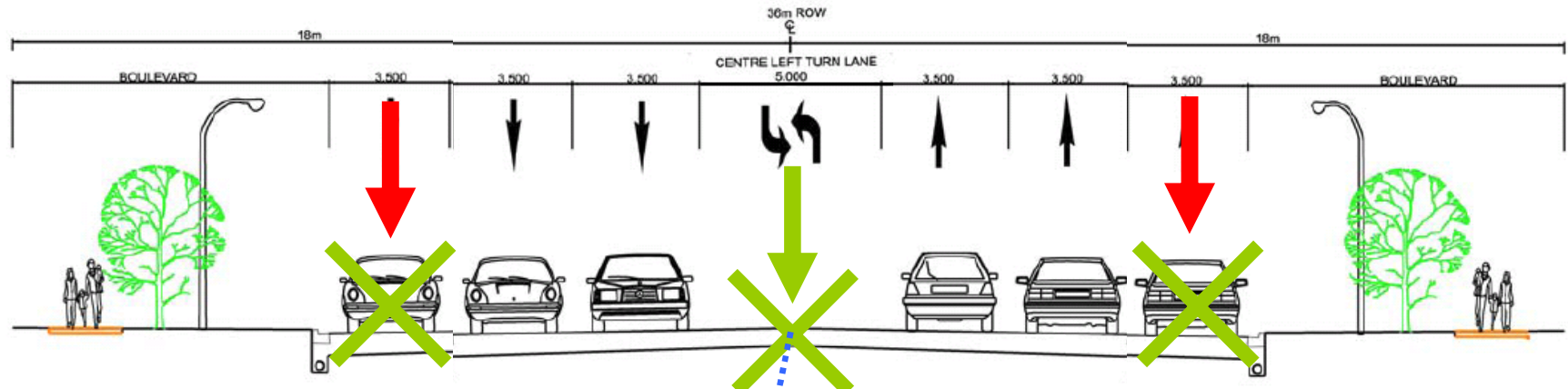
Kennedy Station to Sheppard Avenue

Stops: 20

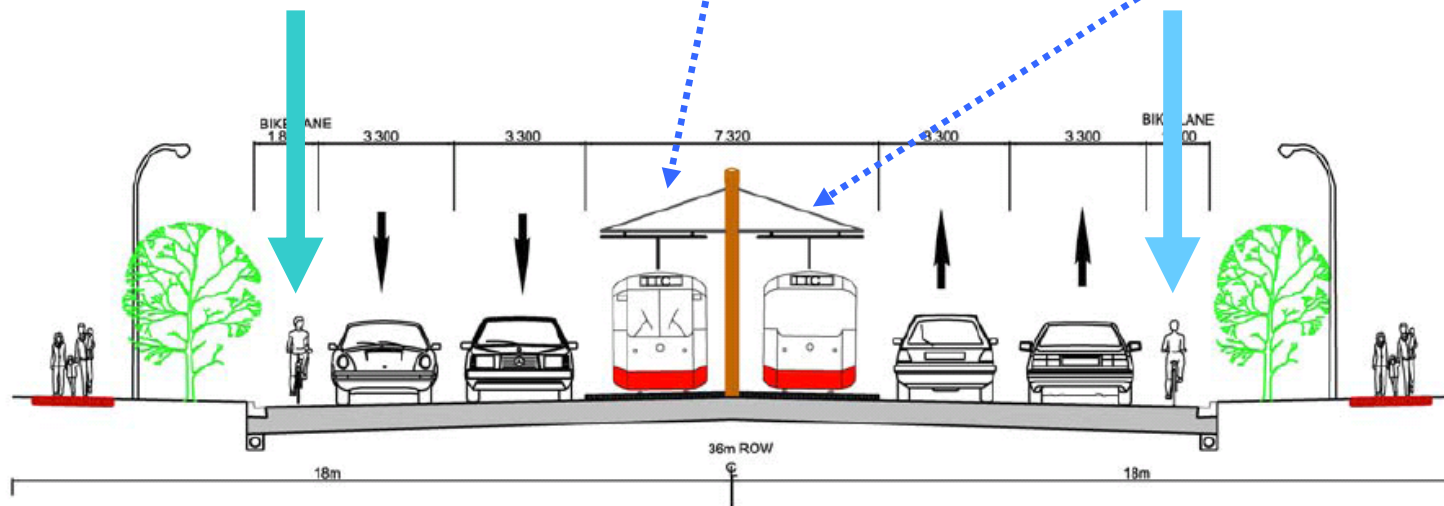
Vehicle Headway: ~3 ½ minutes



**Scarborough Malvern LRT**

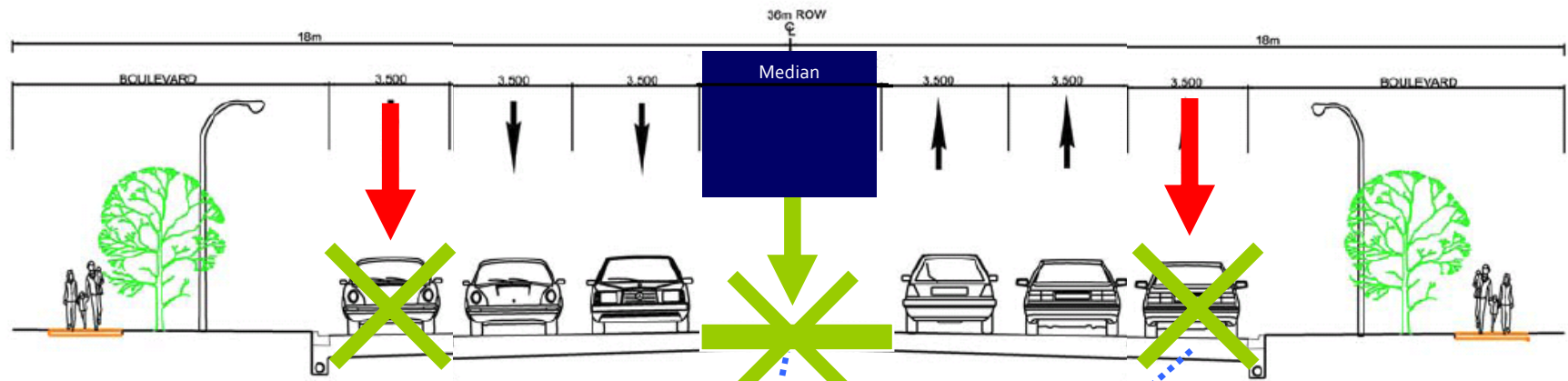


**EXISTING TYPICAL CROSS SECTION AT MIDBLOCK**

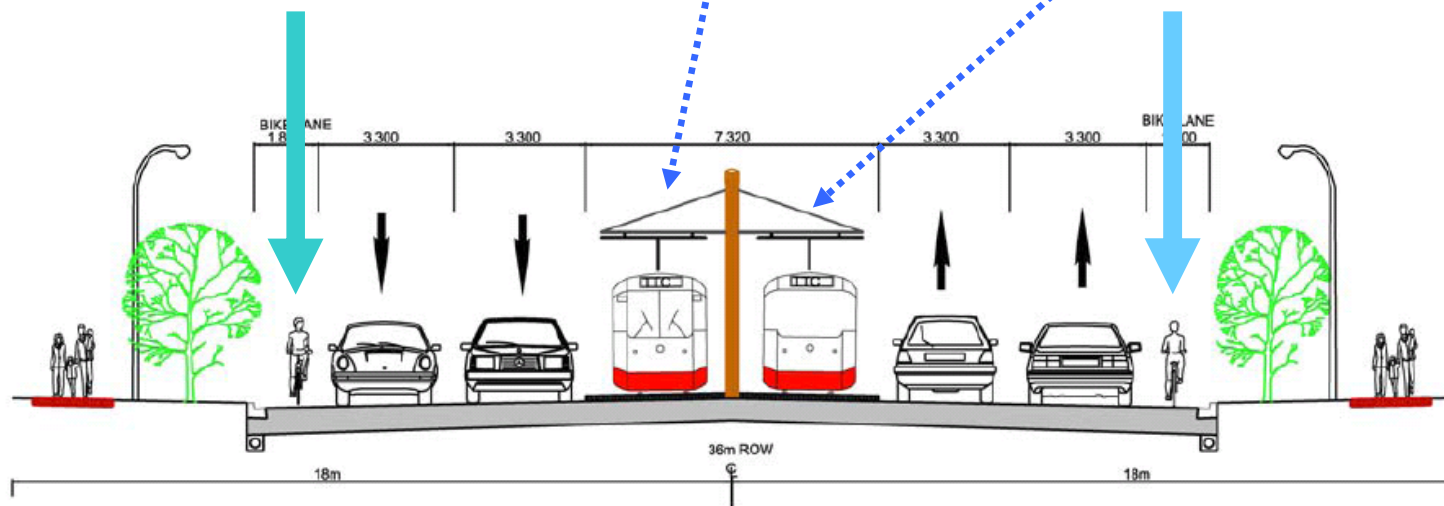


**PROPOSED TYPICAL CROSS SECTION AT MIDBLOCK**





**EXISTING TYPICAL CROSS SECTION AT MIDBLOCK**



**PROPOSED TYPICAL CROSS SECTION AT MIDBLOCK**







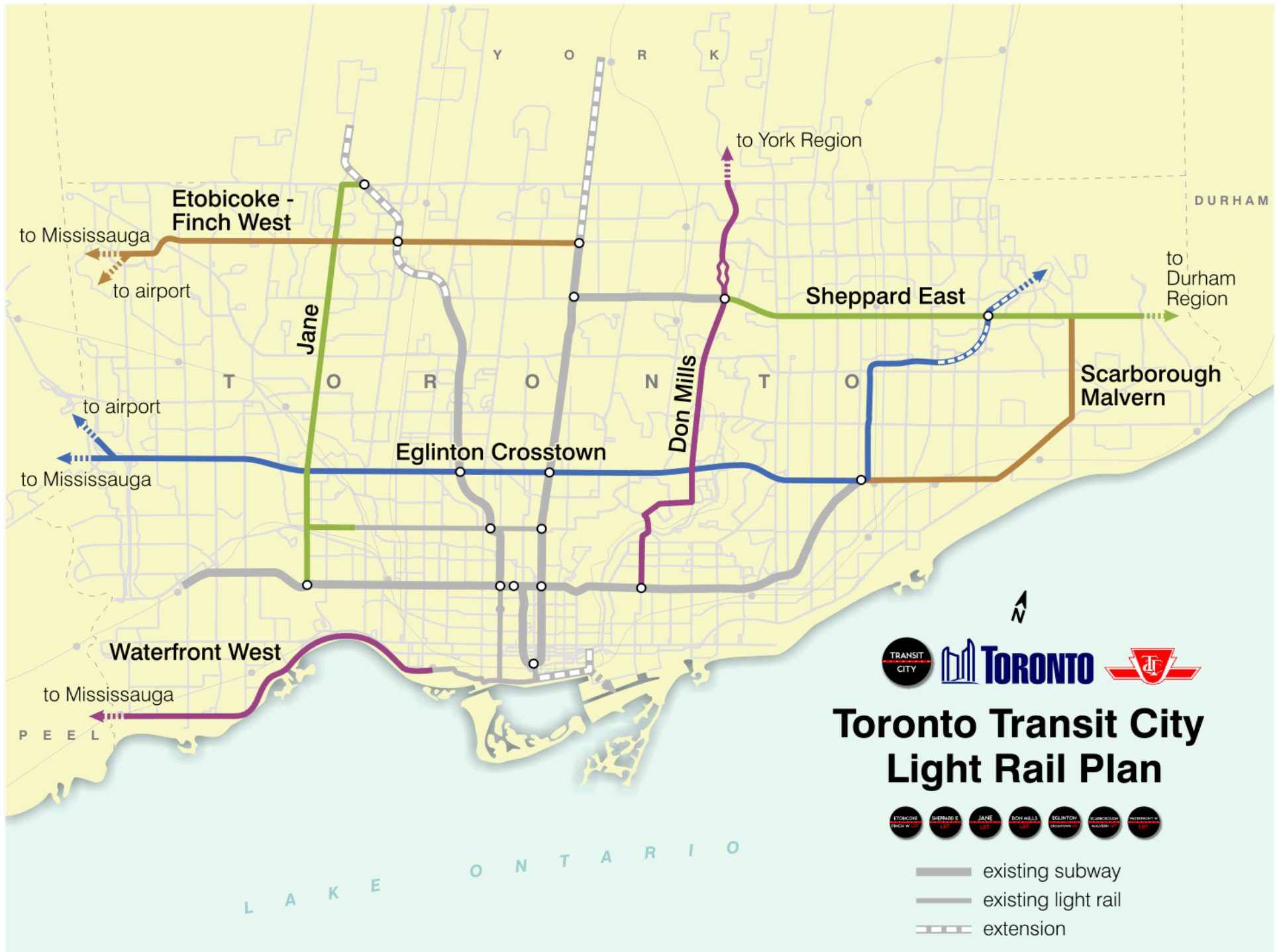
## Project, Funding Status

- Public Information Centres
  - May 2009
- completion of Scarborough-Malvern LRT EA
  - fall 2009
- no Provincial funding announced yet



# Maintenance and Storage Facilities

- developing functional requirements for facilities
- property searches underway
- property acquisition: Commission, Council approval



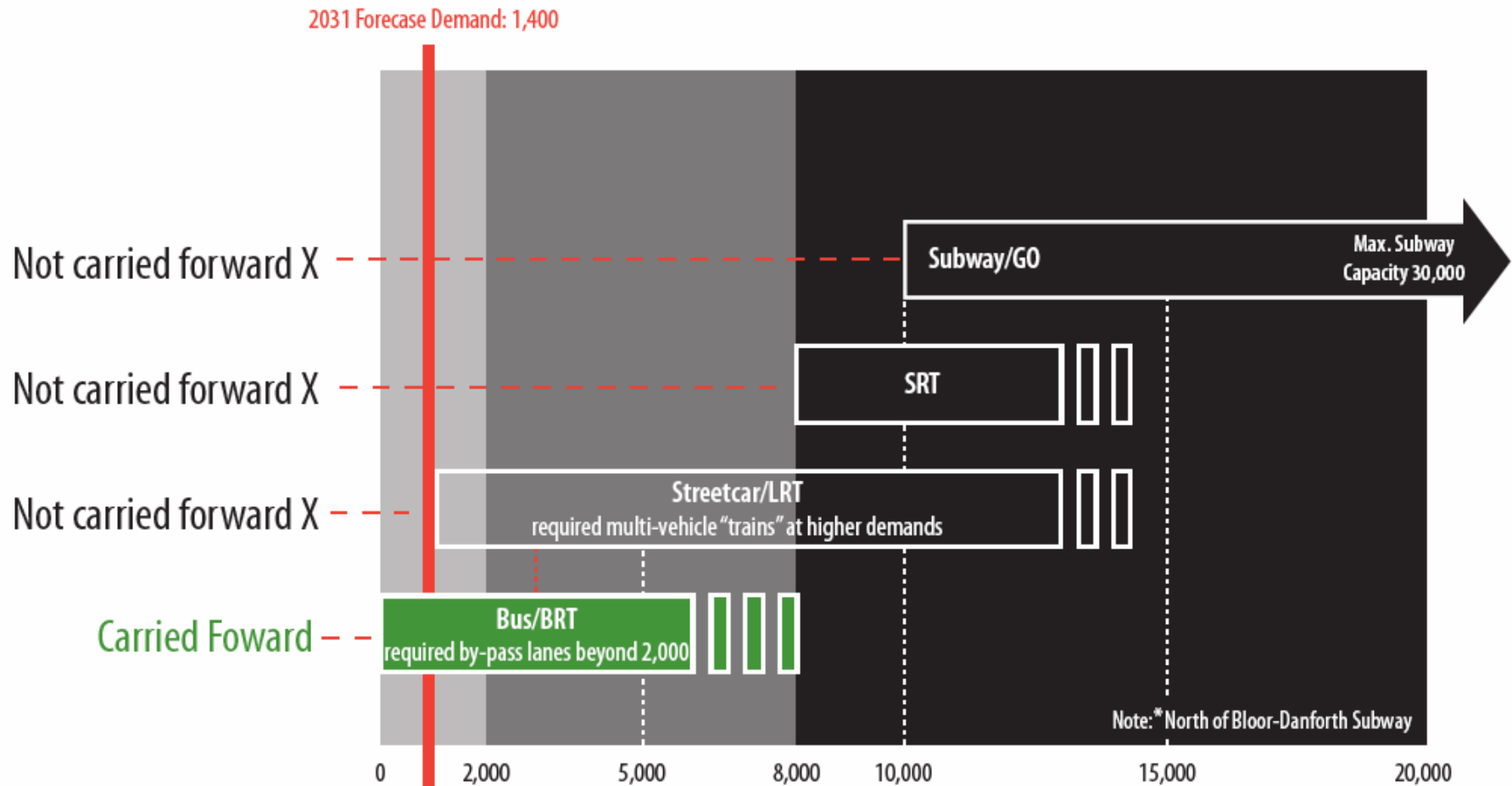




## Transit City and Fleet Replacement **Potential Carhouse Locations**

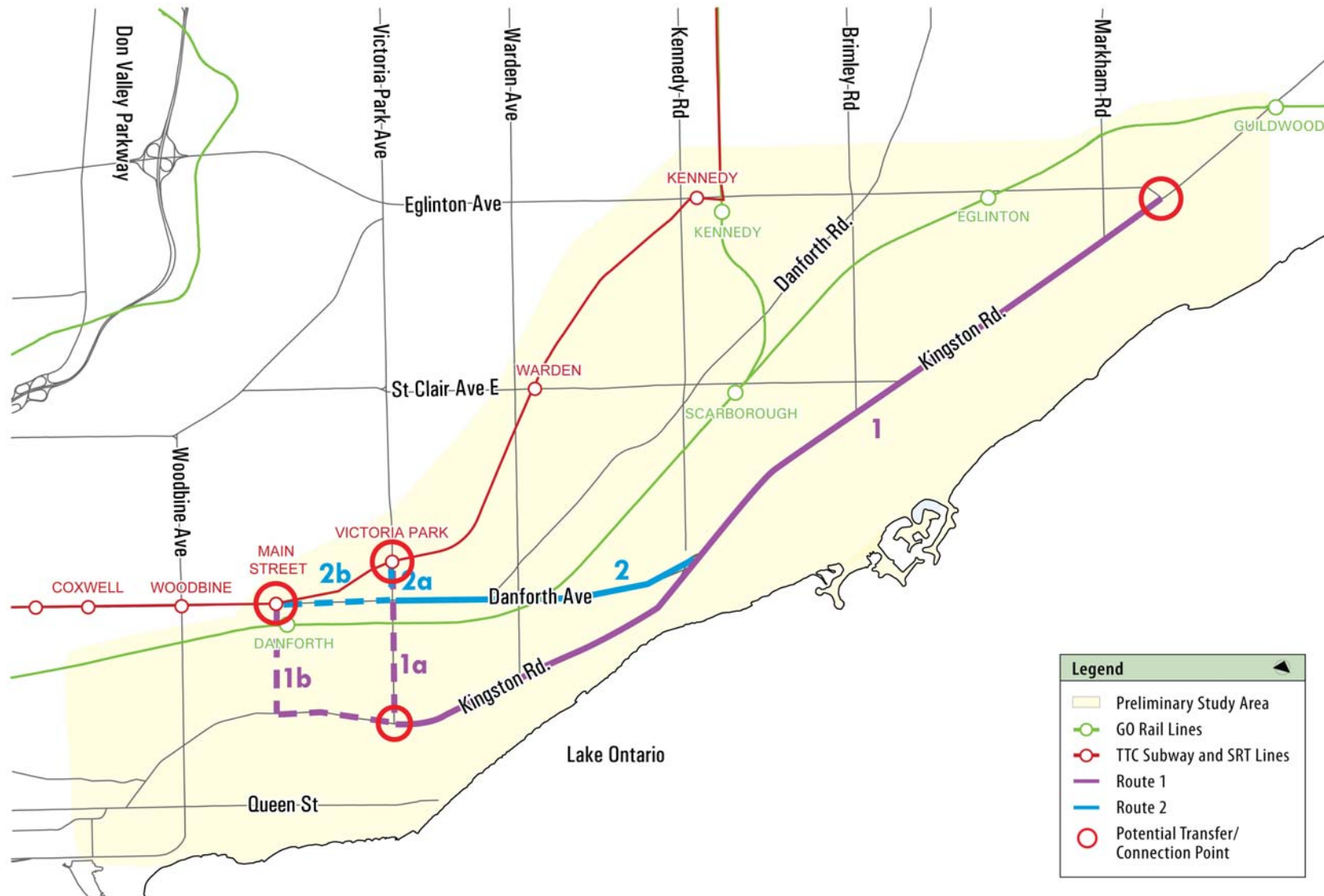


# Preferred Vehicle Technology





# Routing and Service Alternatives



# Proposed Stop Locations – West End

- 24 proposed stop locations
- Average distance between proposed stop locations is under 400m



# Proposed Stop Locations – East End

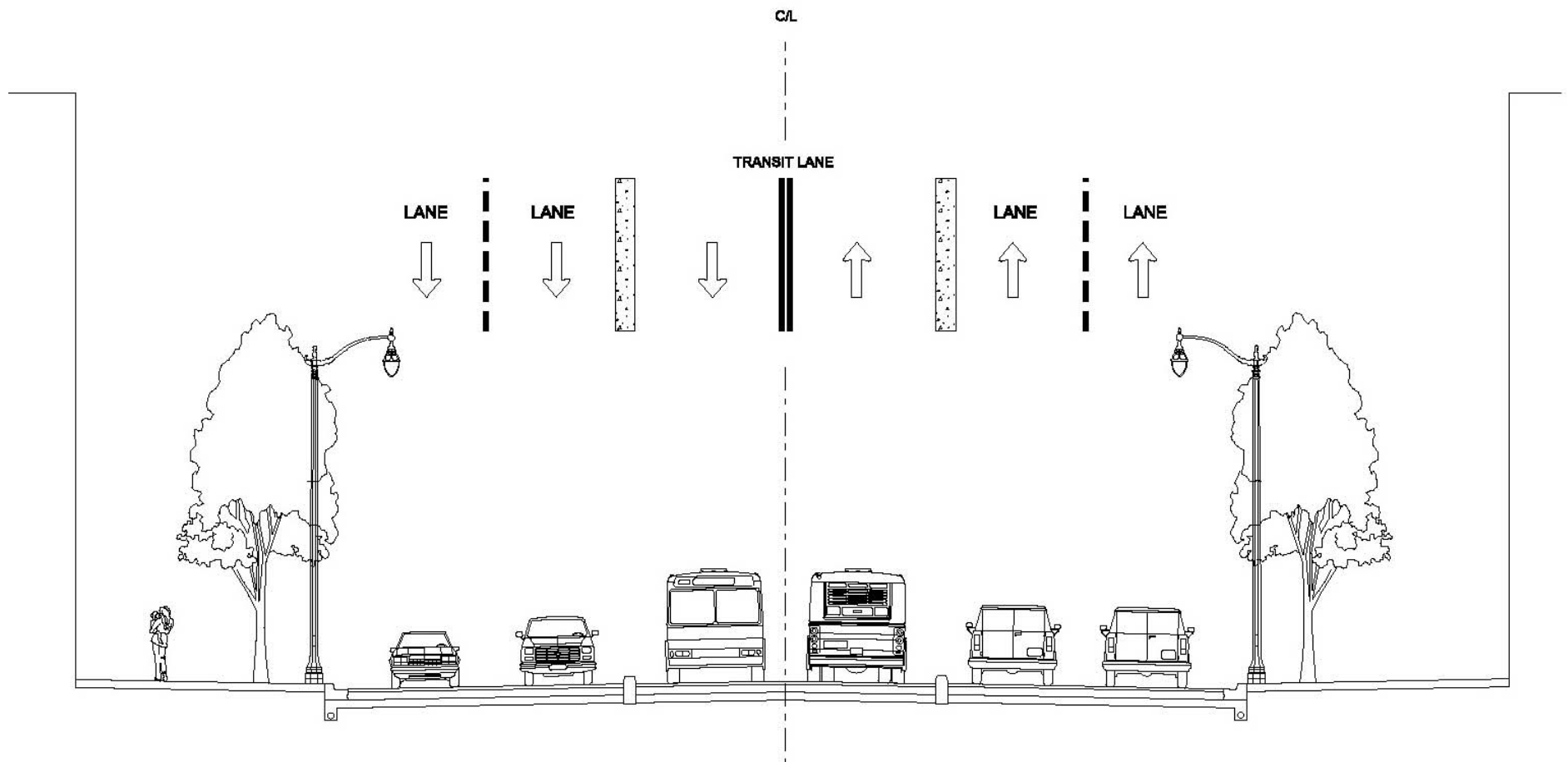
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- Average distance between proposed stop locations is under 400m





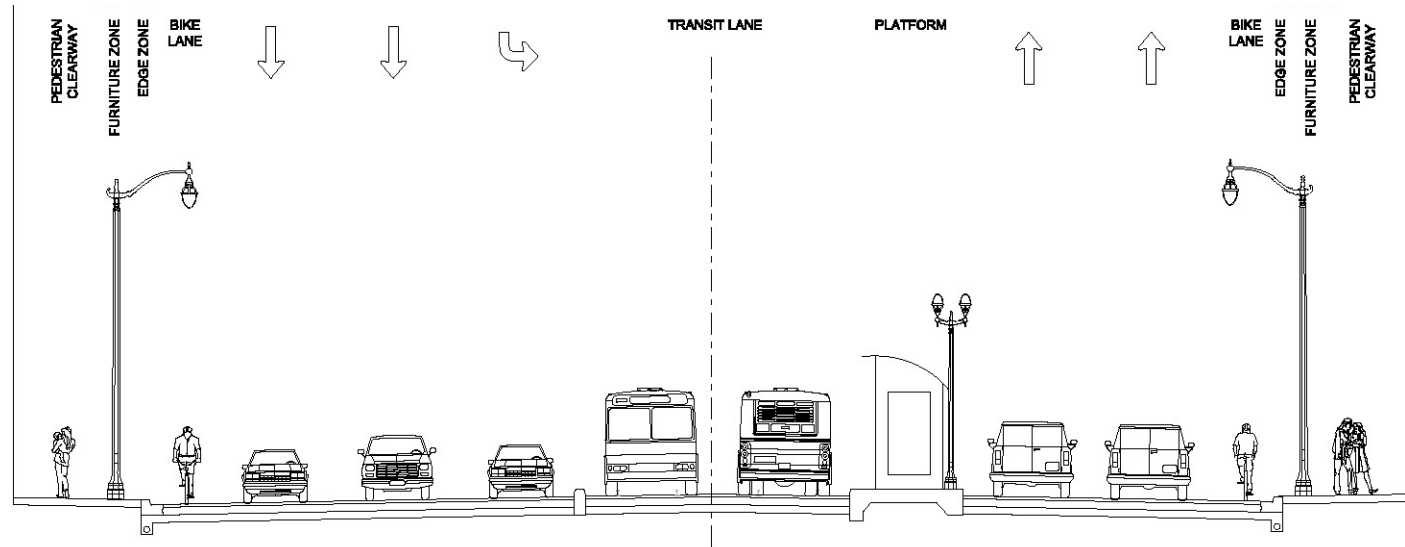
# Preferred Physical Alternative

Reserved bus only lanes in the median

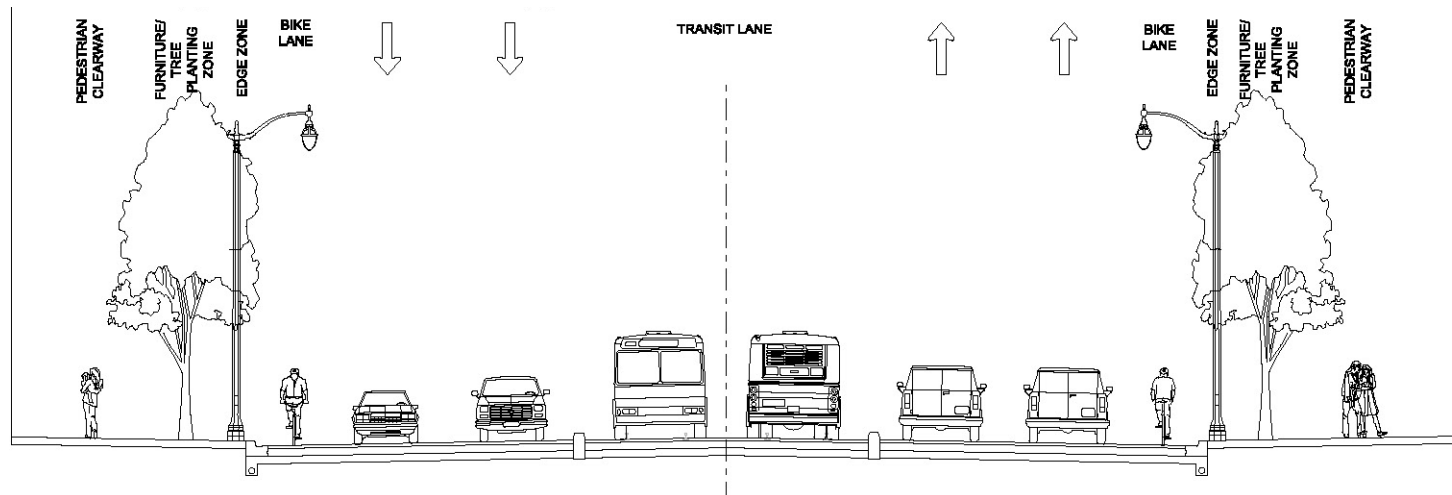


# Proposed Typical Kingston Road Cross Section

## Intersection

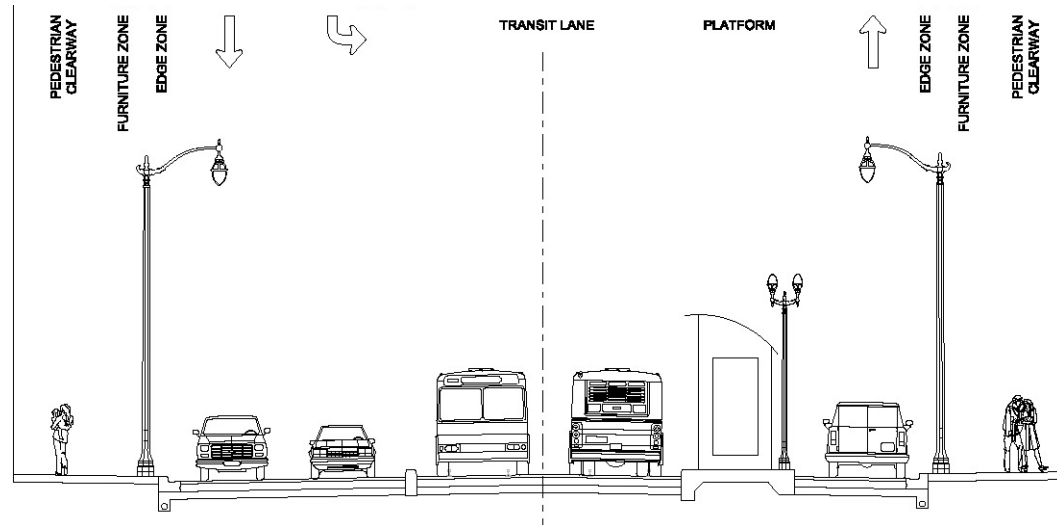


## Midblock

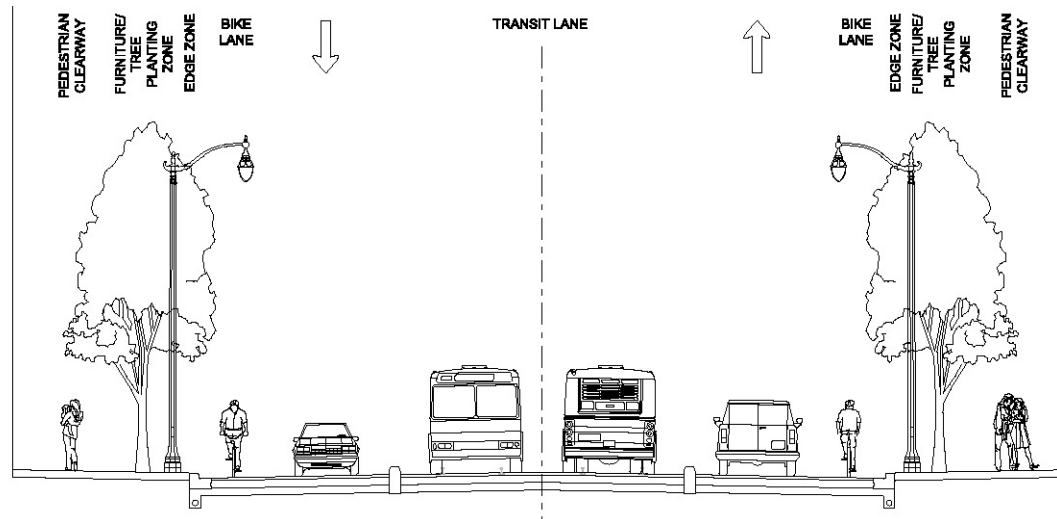


# Proposed Typical Danforth Avenue Cross Section

## Intersection



## Midblock







## Study, Funding Status

- public meetings: 2007 – 2008
- recent public meetings: April, 2009
- study completion: end 2009
- no funding identified



# New Light Rail Vehicles













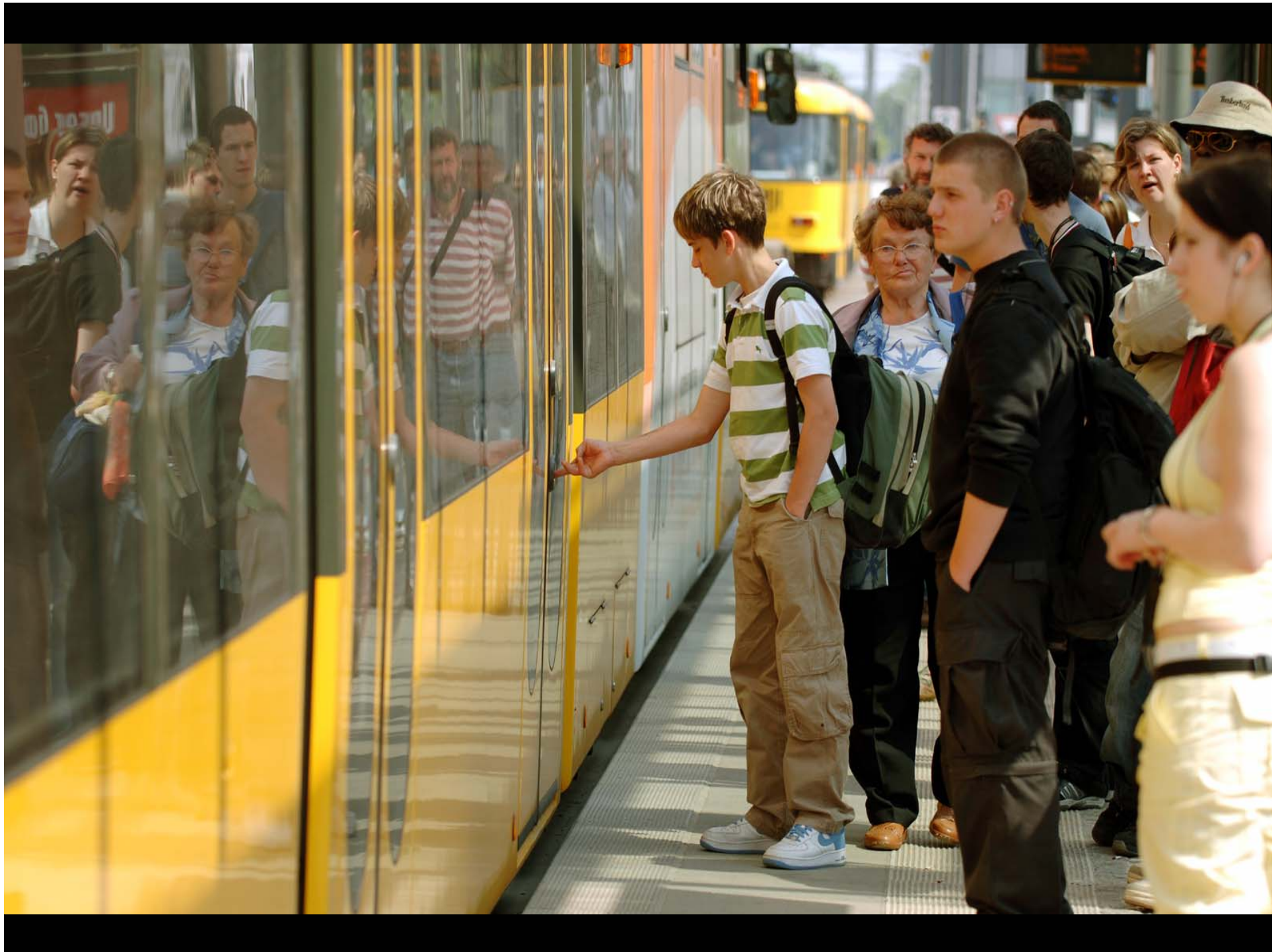




















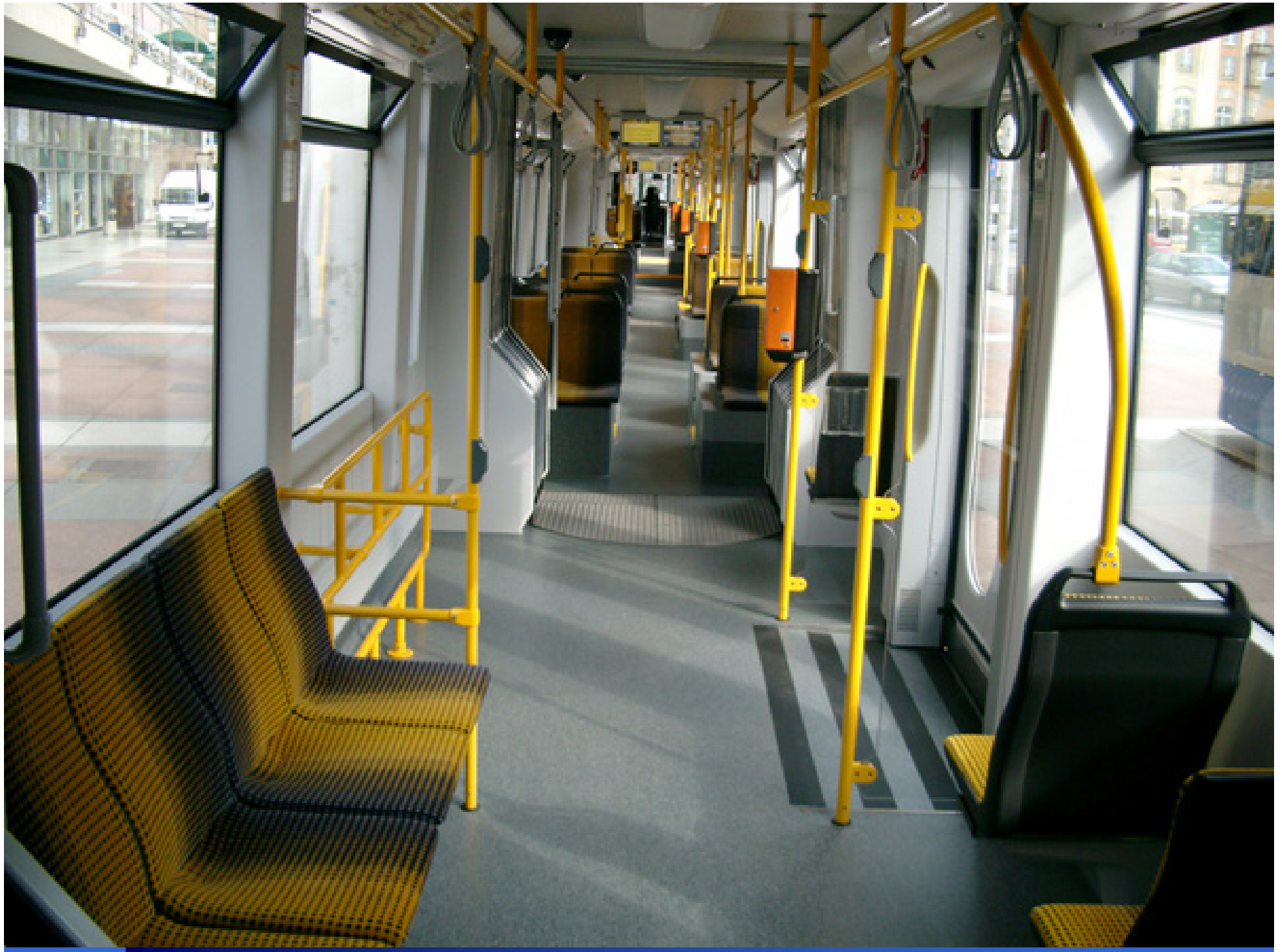
















## New Light Rail Vehicles

- successful vendor announcement -- April 24<sup>th</sup>
- Commission meeting -- April 27<sup>th</sup>
- 204 light rail vehicles -- 100% low-floor
- total value -- \$1.25 billion
- delivery -- 2011 – 2018
- Transit City Plan -- 364 light rail vehicles
- specification development with selected vendor



## Summary: Transit Initiatives in Scarborough

- service level improvements
- additional periods of service
- accessible bus routes
- bike-rack bus routes
- Victoria Park Station modernization
- Scarborough RT
- Sheppard East LRT
- Eglinton-Crosstown LRT
- Scarborough-Malvern LRT
- Kingston Road BRT
- new Light Rail Vehicles



# Transit City Light Rail Plan

*Construction starts this summer!!*

