Eglinton-Scarborough Crosstown Update
Community Meeting
April 26 2011
Karen Stintz, Councillor Ward 16
Chair, Toronto Transit Commission
Eglinton-Scarborough Crosstown Community Meeting Agenda

• Introduction

• Eglinton-Scarborough Crosstown Project Status Presentation

• Councillors Remarks

• Questions and Answers

• Wrap Up
New Transit Plan For Toronto

• New Transit Plan Announced by Mayor Ford, Premier McGuinty and Minister Wynne on March 31, 2011

• Plan will improve mobility in Toronto

• Enhance economic, social and environmental well being

• Accommodate new growth
TTC System Ridership vs Toronto Employment
1988 to 2010
Eglinton and Scarborough Today

Eglinton 32 and 34 bus routes - 66,000 combined daily weekday riders

Scarborough RT route - 45,000 daily weekday riders
Eglinton-Scarborough Crosstown

- Funded by the Province through Metrolinx
- Faster travel times (35 min from Kennedy to Jane)
- Through service from Scarborough Centre to Jane (45 min)
- Increase SRT capacity with new and larger light rail vehicles
- Connections east to west across the city
- Support to future growth across the city
- Thousands of jobs during construction
- Easy quick connections to the TTC subway system and GO Transit network
- Implements PRESTO transit fare card
Honourable Kathleen Wynne
Minister of Transportation
Eglinton - Scarborough
Crosstown

Community Update

April 26, 2011

Jack Collins, Vice-President Rapid Transit Implementation, Metrolinx
Anna Pace, Director, Strategic Partnerships, Toronto Transit Commission
Outline

• Metrolinx Mandate and Responsibilities
  Jack Collins, Metrolinx

• Overview of Project and Approvals
  Jack Collins, Metrolinx

• Design and Construction Update
  Anna Pace, TTC
Metrolinx

Created in 2006, Metrolinx provides residents and businesses in the GTHA with a transportation system that is modern, efficient and integrated.

As a provincial agency, Metrolinx was created to play a critical role in planning for a seamless, integrated transit network across the region. In 2009, GO Transit became a division of Metrolinx. The Air Rail Link is also a division of Metrolinx, and PRESTO will become a division of Metrolinx shortly.
Metrolinx

Our Mandate is to do three things:

• Deliver the best possible transportation services today while leading the way to an even better, more convenient service tomorrow.

• Make the best possible use of public transportation investment dollars.

• Measurably improve the quality of life in our region.
Key Responsibilities for Project

• Key Responsibilities:
  – Metrolinx is responsible for securing funding and environmental approvals, designing, coordinating, planning, constructing and implementing the Eglinton-Scarborough Crosstown LRT project. Metrolinx will own and control this project.
  – Metrolinx is contracting with the TTC to act as its agent in the delivery of the project.
Eglinton-Scarborough Crosstown Plan

• Key facts:
  – 25 km east-west LRT corridor between Scarborough Centre and Jane Street / Black Creek
  – 19 km of tunnelled LRT along Eglinton connected with continuous through-running service along upgraded SRT alignment (6 km, elevated and at-grade, 0.5 km tunnelled) to Scarborough Centre
  – Up to 26 stations
  – Metrolinx cost estimate for the combined project is $8.2B (2010$)
Eglinton - Scarborough Crosstown
Status: Midtown Tunnel and SRT

Midtown Tunnel
– Approved EA

Elevated SRT
– Approved EA
Status: Environmental Assessment Updates

- Conduct preliminary engineering review for Eglinton east and west tunnel segments
  - Station requirements and locations along Eglinton east
  - Kennedy Station configuration
  - McCowan layover yard re-configuration
  - Jane / Black Creek terminus alignment
  - Service plan concepts and modeling
- Public consultation
- Prepare for amendments / update to Environmental Assessment
- MOE approval
Status: Environmental Assessment Updates

Jane to Black Creek-Review and EA Addendum

Laird to Kennedy-EA Addendum
Status: Maintenance and Storage Facilities

Eglinton Yard at Black Creek and Eglinton: EA required

Review of Scarborough McCowan Yard
Eglinton-Scarborough Crosstown is Moving Forward

Design & Construction Progress

Anna Pace, Director, Strategic Partnerships, TTC
Working with the Community

- Key to the success - Community relations team working with communities, businesses and stakeholders
- Identify issues early and mitigate construction impacts.
- Community liaison staff will be on the ground, meeting face-to-face with community members
- Engage with community early and often, flag and address issues related to construction
Working with the Community

- Community Offices: visible on-street presence and access to updates and project information
- Working with project team and contractors to resolve issues
- Provide consistent, timely and accurate communication – print, website, signage, etc.
- Consultation and Outreach for each design and construction activity
- New dedicated website
- Prepare community for tunnelling and construction of stations
- Working with you to manage disruption
Working with the Community

- Work in partnership with local businesses to mitigate impacts of construction (e.g. “shop local” programs)
- Work with local community on safe pedestrian and commuter routes, where appropriate (e.g. “safe routes to school”)
Light Rail Vehicles
Light Rail Vehicles

New LRVs will be:

- Fully accessible
- Air conditioned
- Audio and visual passenger information

Design & Manufacture

- Bombardier Awarded Contract by Metrolinx in June 2010 for $770 million
- TTC Vehicle Engineering staff are managing the contract
- Design to be complete by December 2011
- Manufactured in Thunder Bay
Potential Interior Layout
Construction Management Approach

Through centralized project management we plan to:
• Ensure scope defined before construction
• Pre-qualify contractors
• Define utility work before construction
• Ensure consistent and coordinated approach among contractors
• Include obligations for contractor support of community relations
Tunnel Boring Machines

- On July 28, 2010 Metrolinx ordered four tunnel boring machines at $62 million
- Machines will commence midtown tunnel in mid-2012
- Manufactured by Lovat Inc., a Toronto company employs 380 people in Etobicoke
- Valiant Machine and Tool will manufacture electrical and mechanical trailing gear assemblies in Windsor
- A single machine’s average mining rate for lined tunnel is 75 metres a week
Tunnel Liners

Concrete Tunnel Liners

• Metrolinx awarded contract in February 2011 to Munro Concrete Products Limited (Essa Township)
• Munro is adding in excess of 100 jobs and expanding their plant
Station Design

Approach for Station Design:
• Enhance accessibility
• Minimize impact on adjacent areas
• Understand development potential
• Preserve opportunities for integration

Key Design Elements:
• Main entrance & secondary entrance
• Elevators and escalators
• Fare payment-PRESTO
Station Design

• Minimize property and construction impacts
• Minimize disruption to extensive utilities around stations
• Accommodate local traffic during construction
Station Design

Sample underground LRT station in Minneapolis
Station Design

• Metrolinx Board recently approved station design preliminary engineering

• Design concepts being developed for 5 stations:
  • Eglinton West, Keele, Caledonia, Dufferin and Bathurst

• Public consultation and information during design process
Geotechnical

Summer 2010: midtown tunnel segment

• Phase One: Core sampling geotechnical soil testing: COMPLETE
• Utility Investigation: ON-GOING
• Pre-construction Investigations: Early 2011
• Phase Two: Core samples-geotechnical: PENDING
Construction Starts this Summer

• Final design underway for midtown tunnel section

• Bid for Black Creek Tunnel Launching shaft issued this week

• Black Creek Launching shaft construction starts this summer

• Tunnel construction to start mid 2012

• Development of construction staging plans and Project Implementation Plan
First Construction Contract

- Tunnel launch site at Black Creek scheduled to begin work in Summer 2011
- Tunnelling will start summer 2012 and head east
- Public Information with Community before construction starts
Thank you