Fostering the Light Rail Transit (LRT) Project
Presentation Overview

- Introduction and Overview – Chris Murray
- History, Technical Considerations, Transportation/Transit Next Steps – Gerry Davis
- Planning and Economic Development Considerations – Jason Thorne
- Overall Next steps – Chris Murray
Introduction and Overview

Presented by:
Chris Murray
Introduction and Overview

Announcement - $1.2B

- Elements – GO Transit, B-Line LRT, A-Line Spur, MSF and Pedestrian Corridor

Transit System – HSR

- 10 year transit strategy (system needs)

Council Direction

- That the City Manager be directed to report back on creating an office to facilitate the Light Rail Transit (LRT) project, working closely with Metrolinx;

- That a Light Rail Transit (LRT) Sub-Committee of Council be struck; and that the affected Councillors along the B-Line corridor be asked to participate on the Light Rail Transit (LRT) Sub-Committee.

City Building Initiative
Introduction and Overview cont’d

Working with Metrolinx – City and Metrolinx Partnership

- Metrolinx Role – Design, Build, Finance, Operate and Maintain (DBFOM)
- Project Office roles and governance
- Procurement, Legal and Finance
- Communications & Community Engagement
- Community Benefits/Jobs/Public Health
- Financial Considerations
- Public Works Elements – Capital, Traffic, Transportation Planning
- Planning and Economic Development Elements – Zoning, Growth Management and Interim Control Measures
History, Technical Considerations, Transportation/Transit Next Steps

Presented by:
Gerry Davis
Public Works Items to cover

- Introduction to Project and LRT
- B-Line routing and components
- A-Line routing and components
- GO pedestrian connection
- Maintenance and Storage Facility
- Centennial GO
- Traffic and Transit Re-modeling
- Summary of Work on Critical Path
Introduction to Project and LRT

- **B-Line** McMaster to Queenston
- **A-Line** King St. to the Waterfront
- Pedestrian connection between B-Line & Hamilton GO station
- Maintenance & storage facility
- Centennial GO station

For consultation only, details subject to change
General Delivery Model & Process

- **Delivery Model**
  - P3 – Public Private Partnership
  - Likely DBFOM – Design, Build, Finance, Operate & Maintain
  - Likely 30 Year Concession

- **Process – Critical Path**
  - Memorandum of Agreement (MOA)/Master Agreement
  - 30% Design
  - EA
  - PSOS – Project Specific Output Specifications (~ 1 year)
  - RFQ (~ 6 months)
  - RFP (~ 1 year)
  - Commercial Close (~ 3 months)
Conceptual LRT Cross-section

- Segregated Mobility Elements in Both Directions
  - Pedestrians
  - Cyclists
  - Automobiles
  - LRT
B-Line

- Approximately 10.8km
- 15 stops including end-of-line facilities

For consultation only, details subject to change
B-Line Considerations

- Careful analysis will have to be given to segments of the B-Line LRT corridor
  - McMaster Station
  - McMaster to 403
  - 403 to International Village
  - International Village to Queenston
  - Queenston Traffic Circle

- Each will present issues, opportunities and considerations
A-Line

Hamilton LRT Project

Hamilton LRT line going from McMaster University to Queenston Circle, with 13 stations in between.

- 2.3 kilometers
- Connects West Harbour GO Station

For consultation only, details subject to change.
A-line (King to Waterfront) Considerations

- Some background work completed
- Design to 30% required
- EA Amendment required
- Corridor is at feasibility stage (not finalized)

For consultation only, details subject to change.
GO pedestrian connection

Approximately 490 meters

For consultation only, details subject to change
Hamilton GO Station Pedestrian Connection

- Connects “Hunter” GO with McNab Terminal
- Conceptual design completed
- Design to 30% required
- EA Amendment required

For consultation only, details subject to change
Maintenance Storage Facility & Run-in

- Wentworth Facility
- Approximately 3 km run-in track

For consultation only, details subject to change
MSF Run-in Track

- 30% design completed
- EA Amendment required

For consultation only, details subject to change
MSF – 330 Wentworth Street

- Proposed shared bus/LRT facility
- Council authorized acquisition of 3.5 hectares of adjacent land (June 24/15)
- Re-location of Operations center required
- Service Design Required
- Design to 30% required
- EA Amendment required

For consultation only, details subject to change
Centennial GO Station

- To be completed by 2019
- 3.7 acres of City land to be transferred

For consultation only, details subject to change.
LRT Traffic Modeling/Undergrounding

- Extensive traffic modeling was completed by SDG – model will need to be updated with revised alignment(s).
- Extensive work on traffic management plan during construction will need to be completed.
- Routes requiring major rehabilitation (surface and/or underground) in vicinity of LRT may need to be advanced or deferred to avoid LRT construction period – potential budget impacts.
Additional Transit Considerations

- Modelling of LRT – 30 year horizon
- Realignment of network
- Adjustment of 10 year local transit plan to reflect LRT & funding
Summary of Work on Critical Path

- 30 Percent Design & EA Amendment
  - End Terminals – McMaster & Queenston
  - MSF
  - A – Line
  - B – Line Optimization possibly
    - Curb vs. centre-line along segments of corridor
    - Possibility of expropriation in certain areas
    - Potential street closures
- Traffic Modelling
- LRT Modelling
- Local Transit Service Adjustments
- Pre-Work
Planning and Economic Development Considerations

Presented by:
Jason Thorne
Planning Considerations

- Pre-Zoning
- Land use planning / urban design
- Market intelligence
- Downtown Servicing
- Interim Control By-Law
- Streetscape / Public Realm / Complete streets
Economic Development Considerations

- Economic Uplift
- Job Creation / Community Benefit
- Connection to waterfront
- Importance of GO Transit and inter-regional connectivity
- Business Considerations
Overall Next steps

Presented by:
Chris Murray
Next Steps

- Memorandum of Agreement (MOA) with Metrolinx
- Finalize project office for City of Hamilton
  - Lead through PED
  - Funding from Metrolinx
  - Funding from City of Hamilton
- Steer, Davies, Gleave – complete conceptual design and EA work
- Engage consultant to assist with contract development for MOA and other related contracts
- Formation of LRT Sub-committee and initial meeting
- Engage necessary consultants for planning work
LRT / GO Project Considerations

- Time
- Money
- Quality
Questions?

Hamilton