

THE CITY OF HAMILTON



Fostering the Light Rail Transit (LRT) Project

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

Presentation Overview

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

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

Introduction and Overview

Presented by:
Chris Murray

Introduction and Overview

Announcement - \$1.2B

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

Transit System – HSR

- q 10 year transit strategy (system needs)

Council Direction

- q 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;
- q 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

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Introduction and Overview cont'd

Working with Metrolinx – City and Metrolinx Partnership

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

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

History, Technical Considerations, Transportation/Transit Next Steps

Presented by:
Gerry Davis

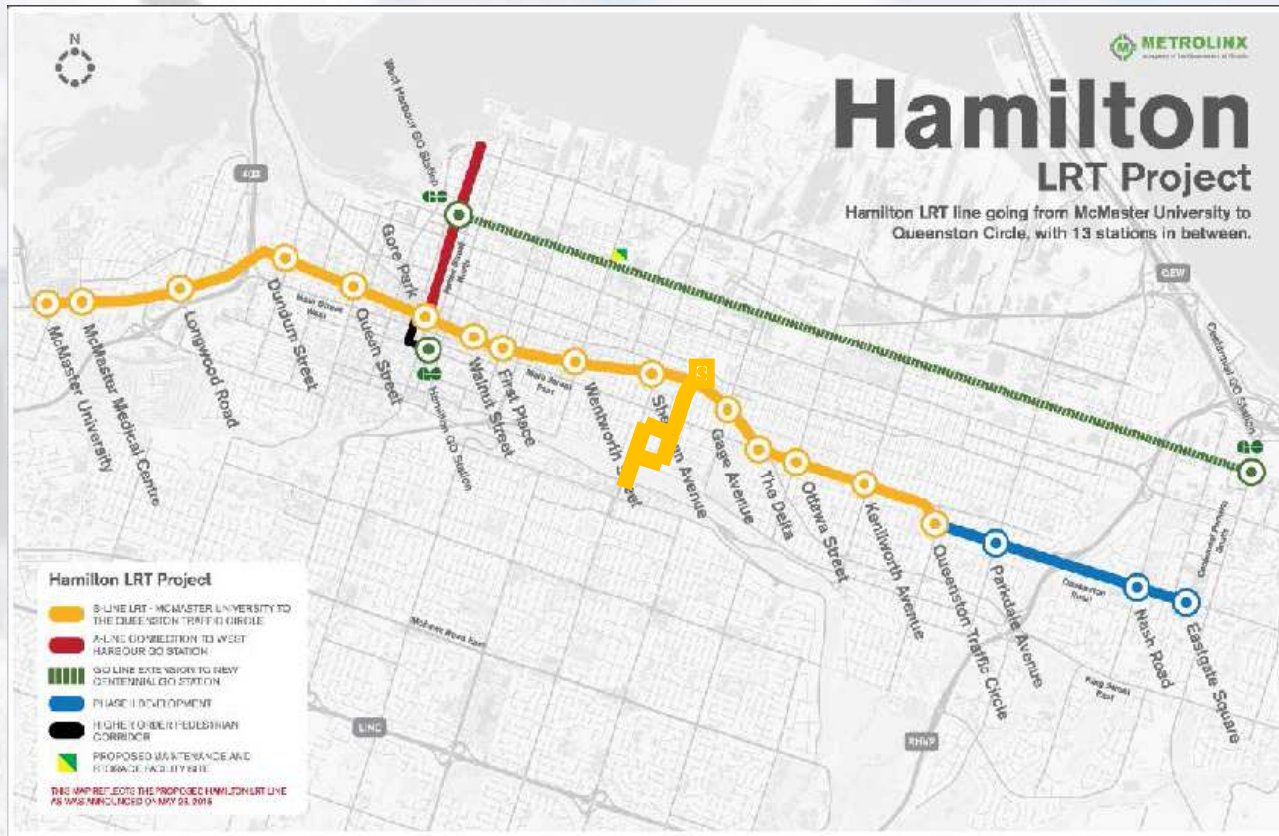
Public Works Items to cover

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



To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Introduction to Project and LRT



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

For consultation only, details subject to change

General Delivery Model & Process

q **Delivery Model**

P3 – Public Private Partnership

Likely DBFOM – Design, Build, Finance, Operate & Maintain

Likely 30 Year Concession

q **Process – Critical Path**

Memorandum of Agreement (MOA)/Master Agreement

30% Design

EA

PSOS – Project Specific Output Specifications (~ 1 year)

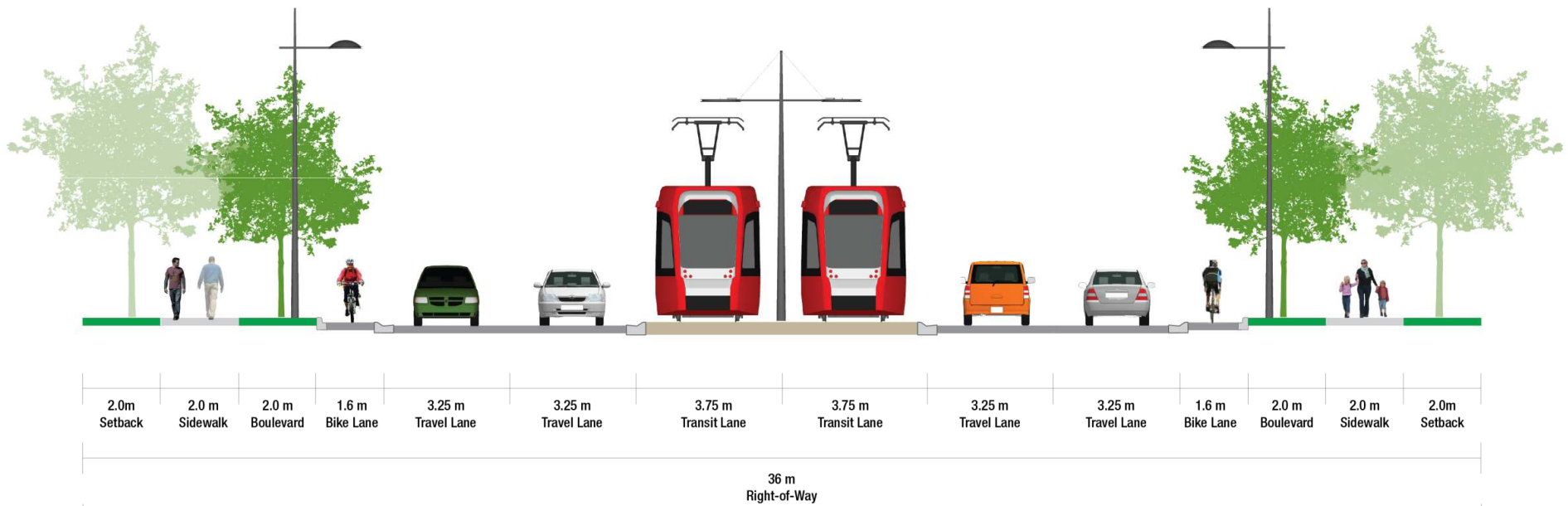
RFQ (~ 6 months)

RFP (~ 1 year)

Commercial Close (~ 3 months)

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Conceptual LRT Cross-section



Segregated Mobility Elements in Both Directions

Pedestrians

Cyclists

Automobiles

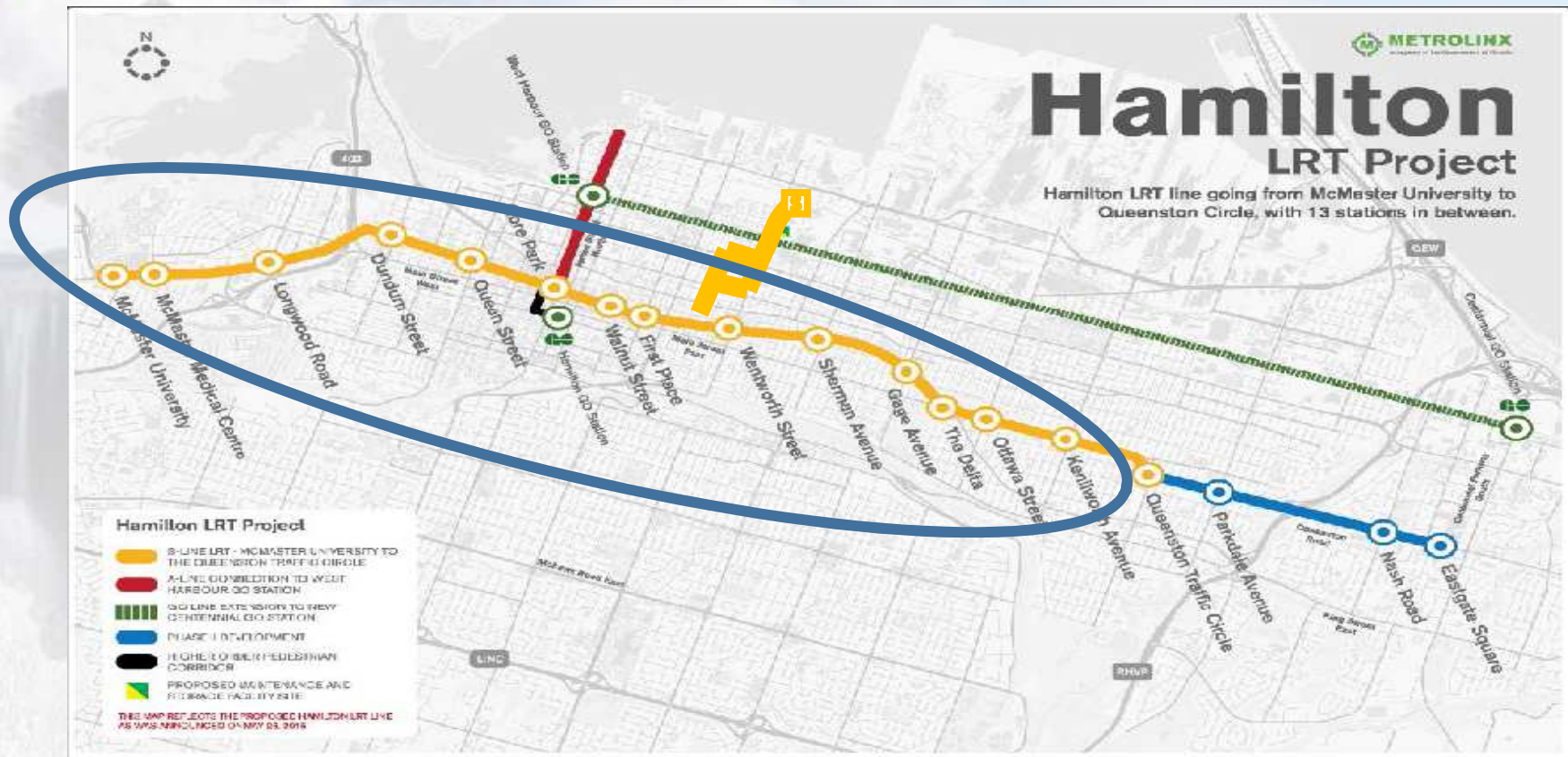
LRT



Hamilton

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

B-Line



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

For consultation only,
details subject to change



B-Line Considerations

- q 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
- q Each will present issues, opportunities and considerations

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

A-Line



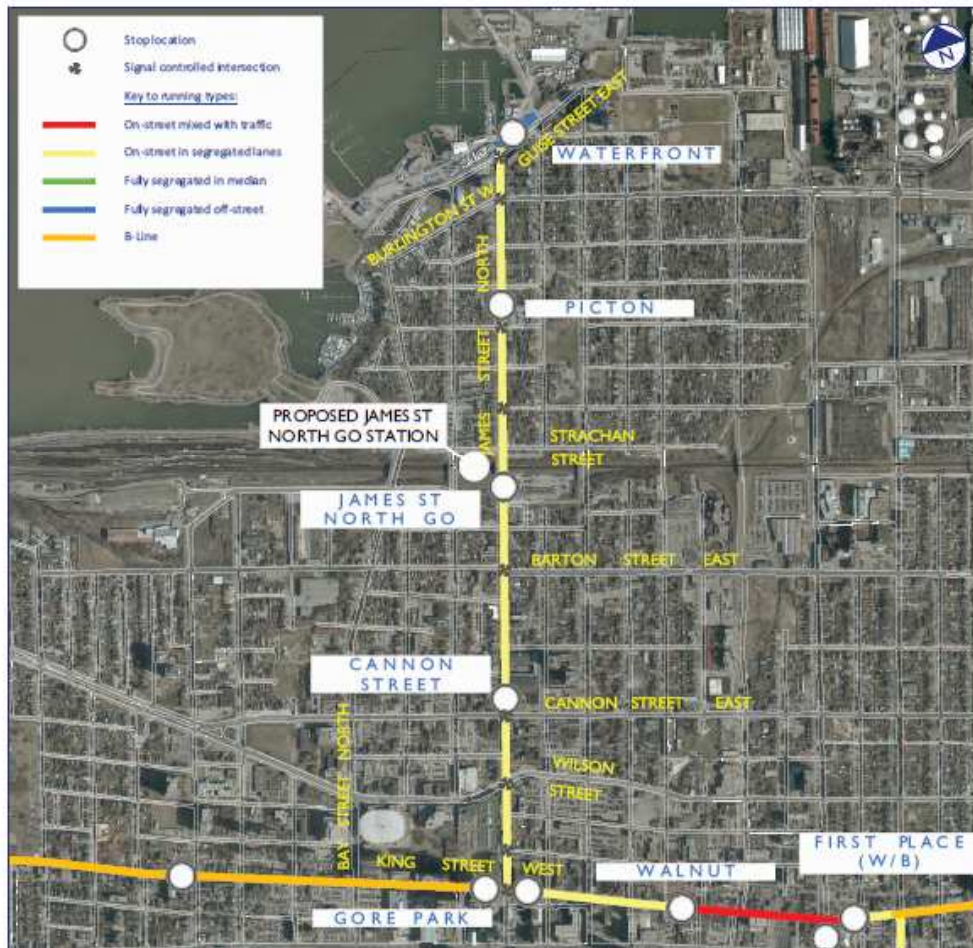
q 2.3 kilometers

q Connects West Harbour GO Station

For consultation only, details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

A-line (King to Waterfront) Considerations

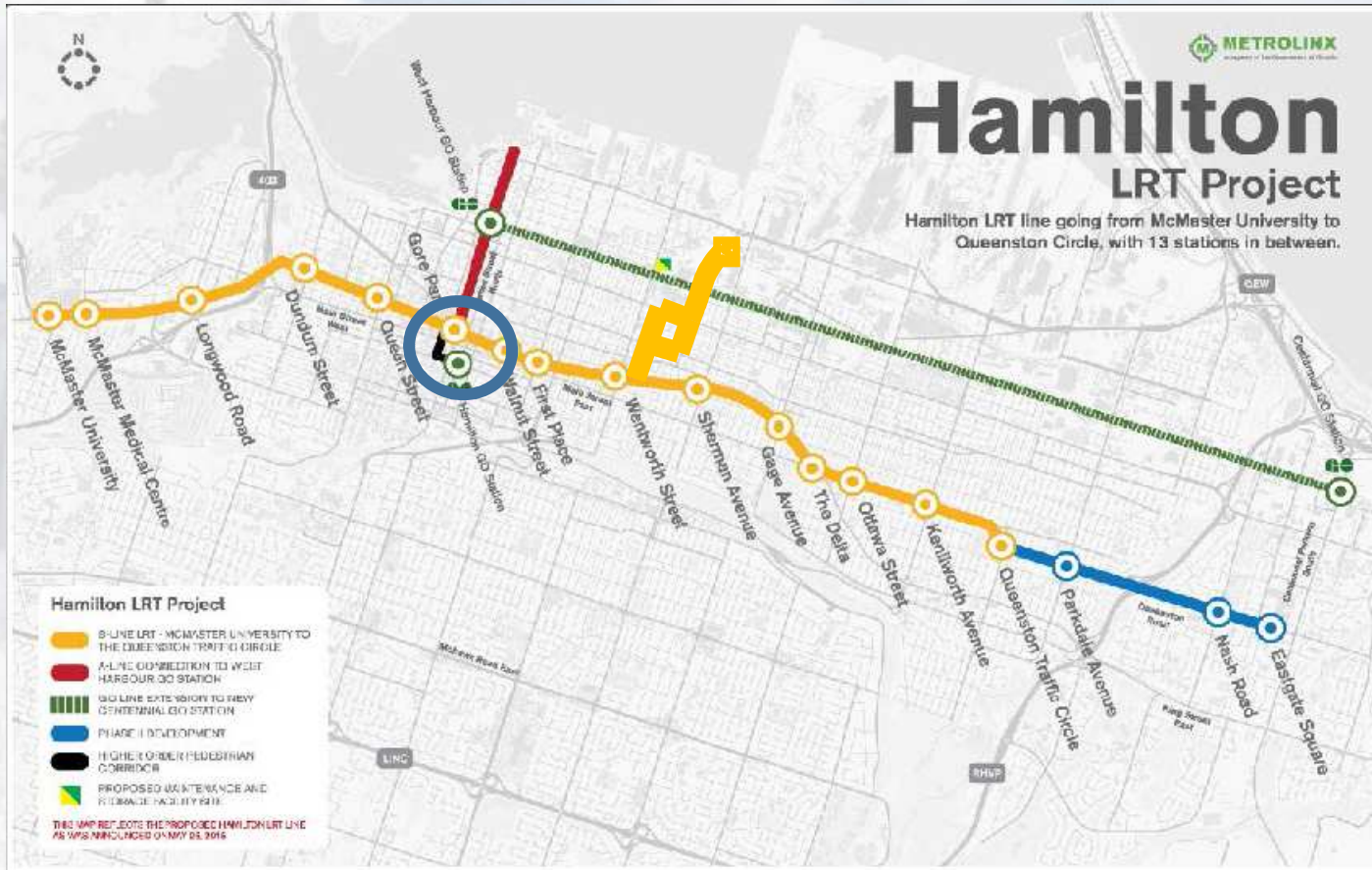


- Some background work completed
- Design to 30% required
- EA Amendment required
- Corridor is at feasibility stage (not finalized)

For consultation only,
details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

GO pedestrian connection



q Approximately 490 meters

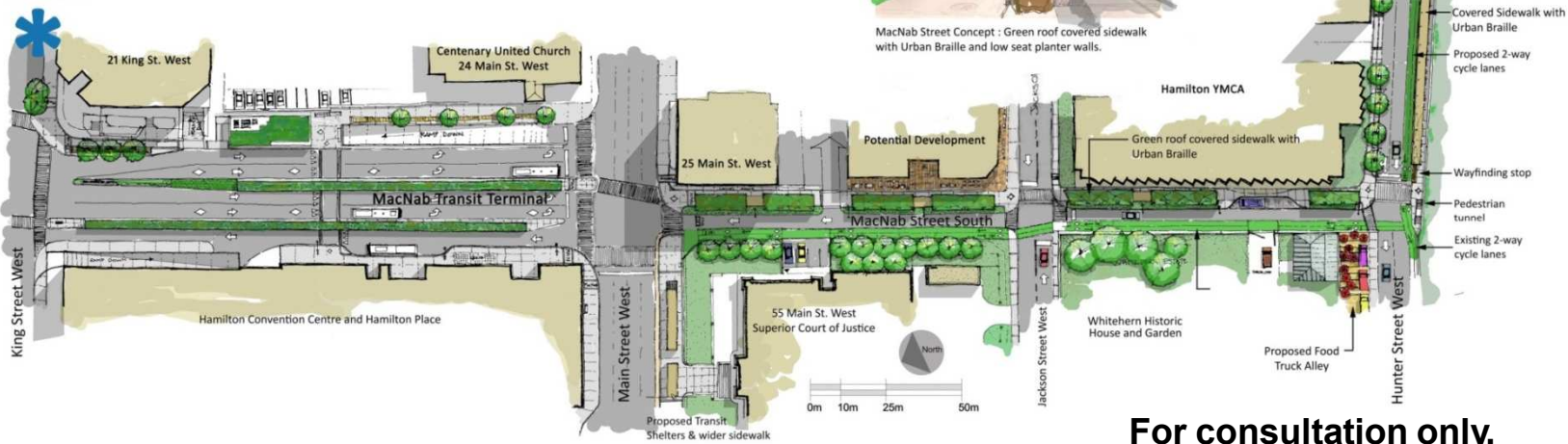
For consultation only,
details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Hamilton GO Station Pedestrian Connection

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

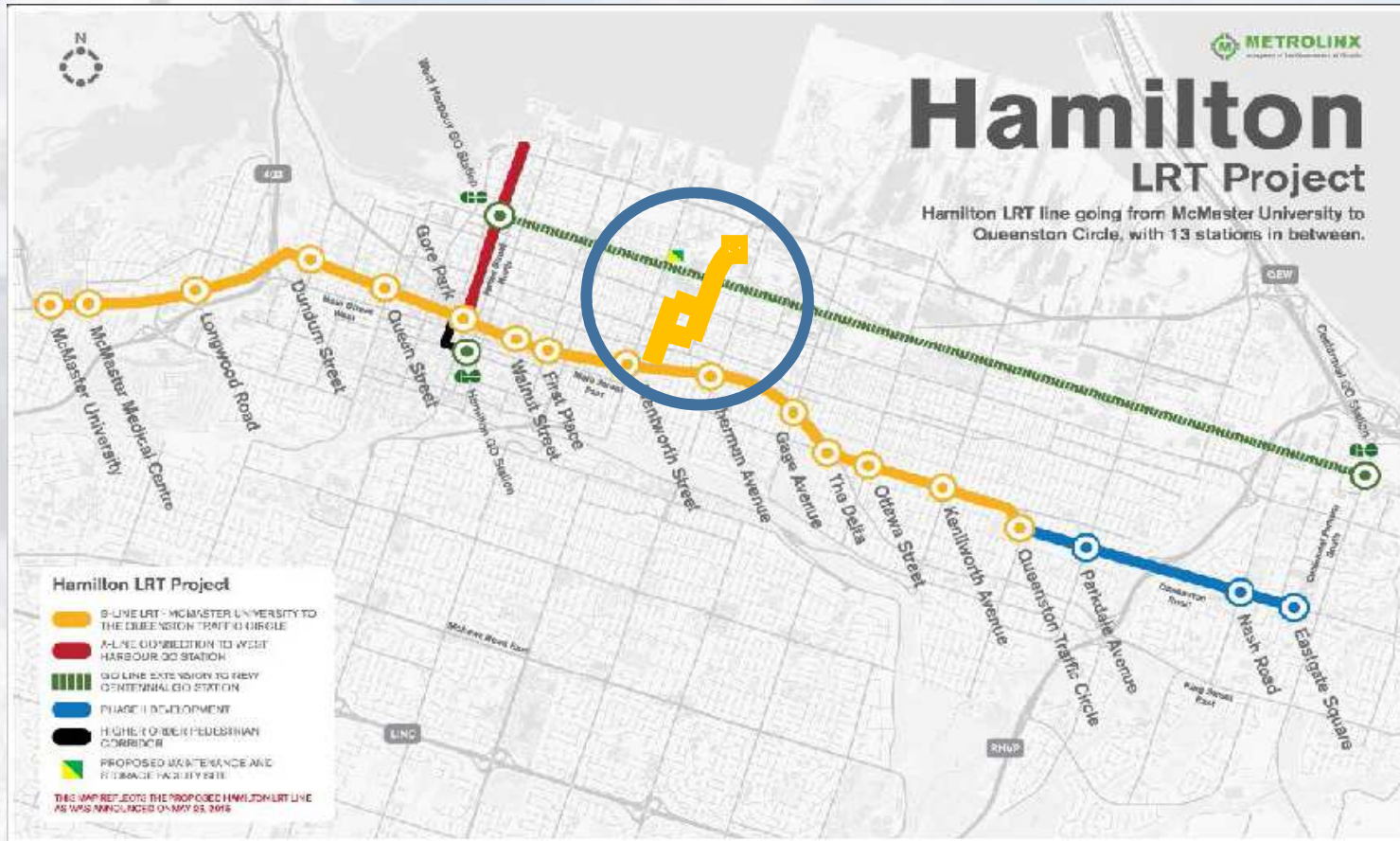
Proposed LRT Station



**For consultation only,
details subject to change**

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Maintenance Storage Facility & Run-in

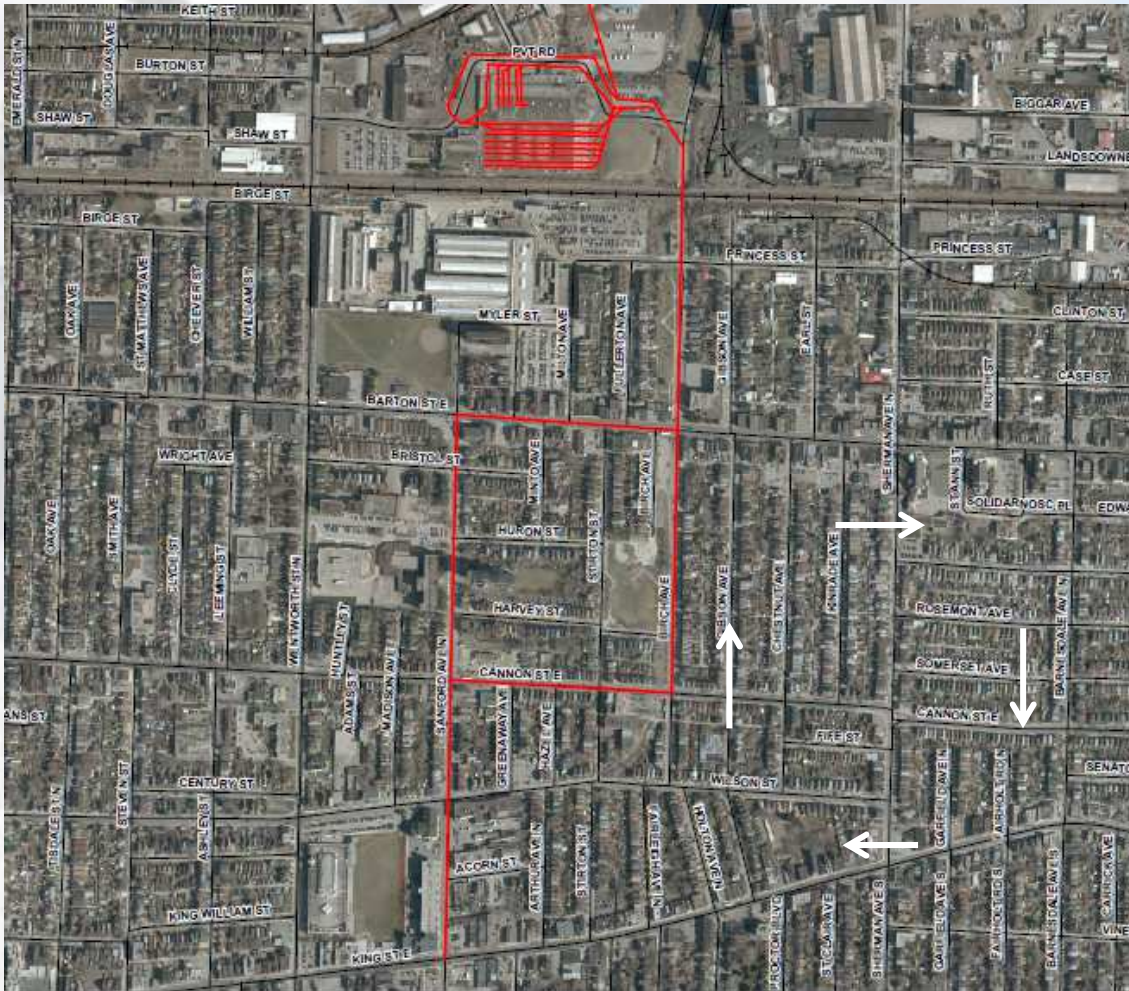


- q Wentworth Facility
- q Approximately 3 km run-in track

For consultation only,
details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

MSF Run-in Track

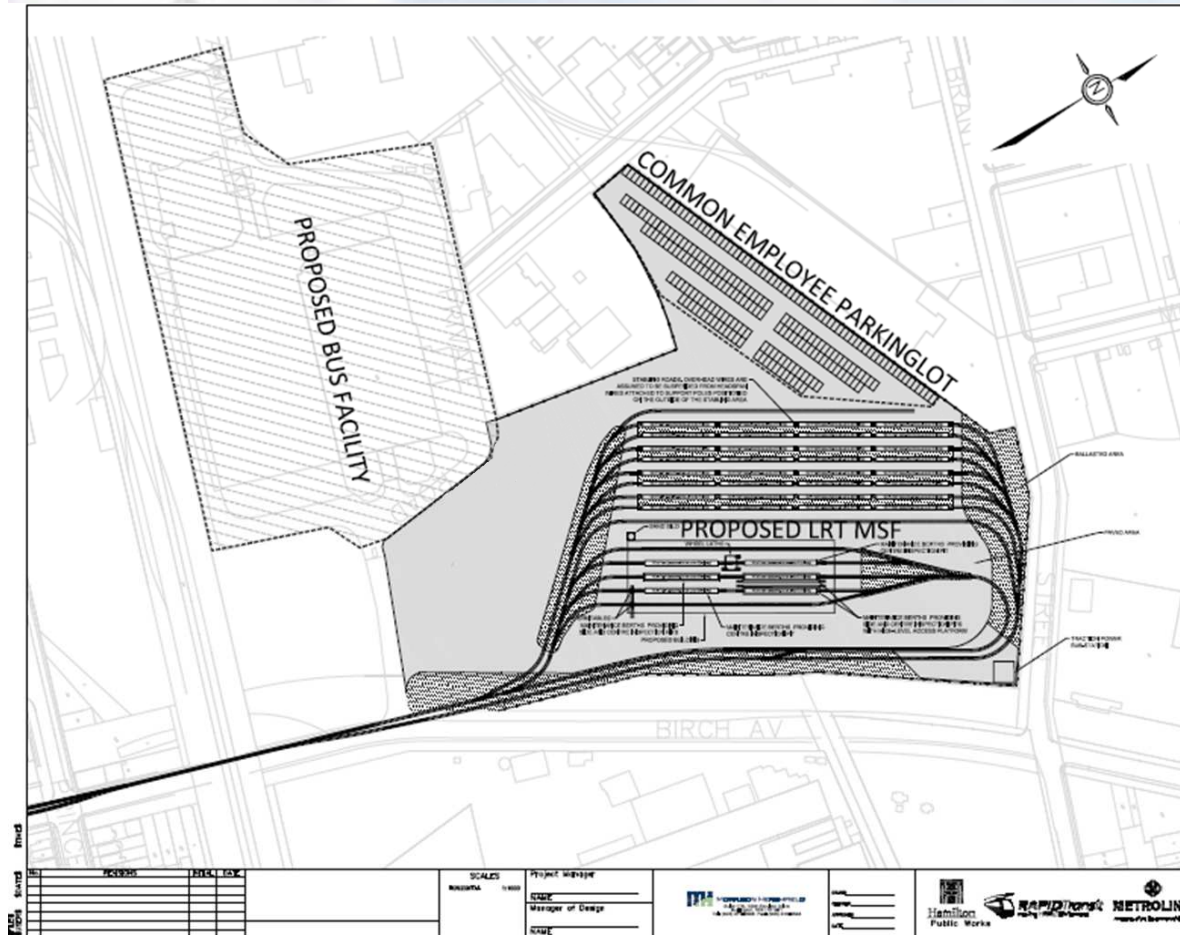


- 30% design completed
- EA Amendment required

For consultation only,
details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

MSF – 330 Wentworth Street

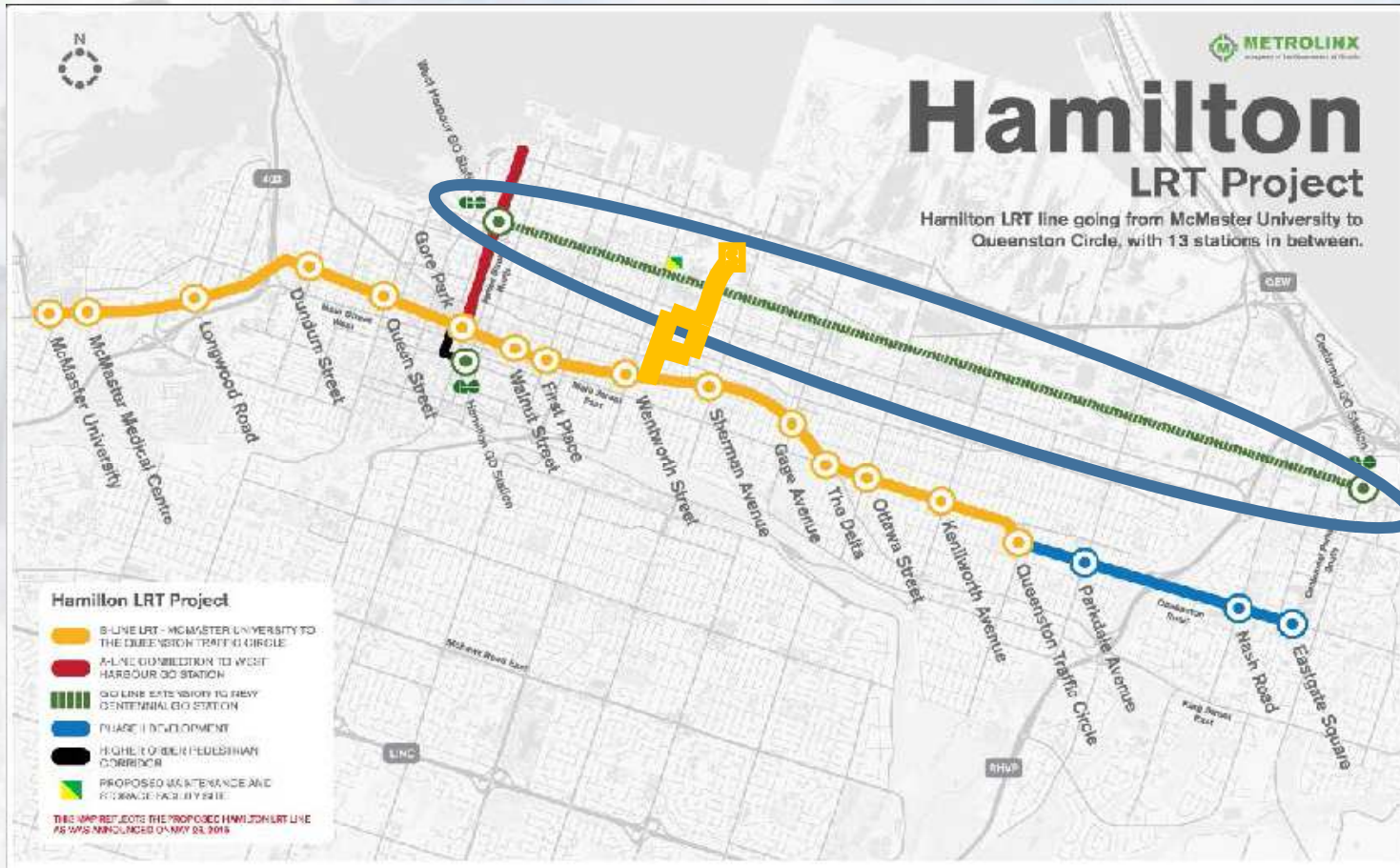


- q Proposed shared bus/LRT facility
- q Council authorized acquisition of 3.5 hectares of adjacent land (June 24/15)
- q Re-location of Operations center required
- q Service Design Required
- q Design to 30% required
- q EA Amendment required

For consultation only, details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Centennial GO Station



For consultation only, details subject to change

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Centennial GO Station

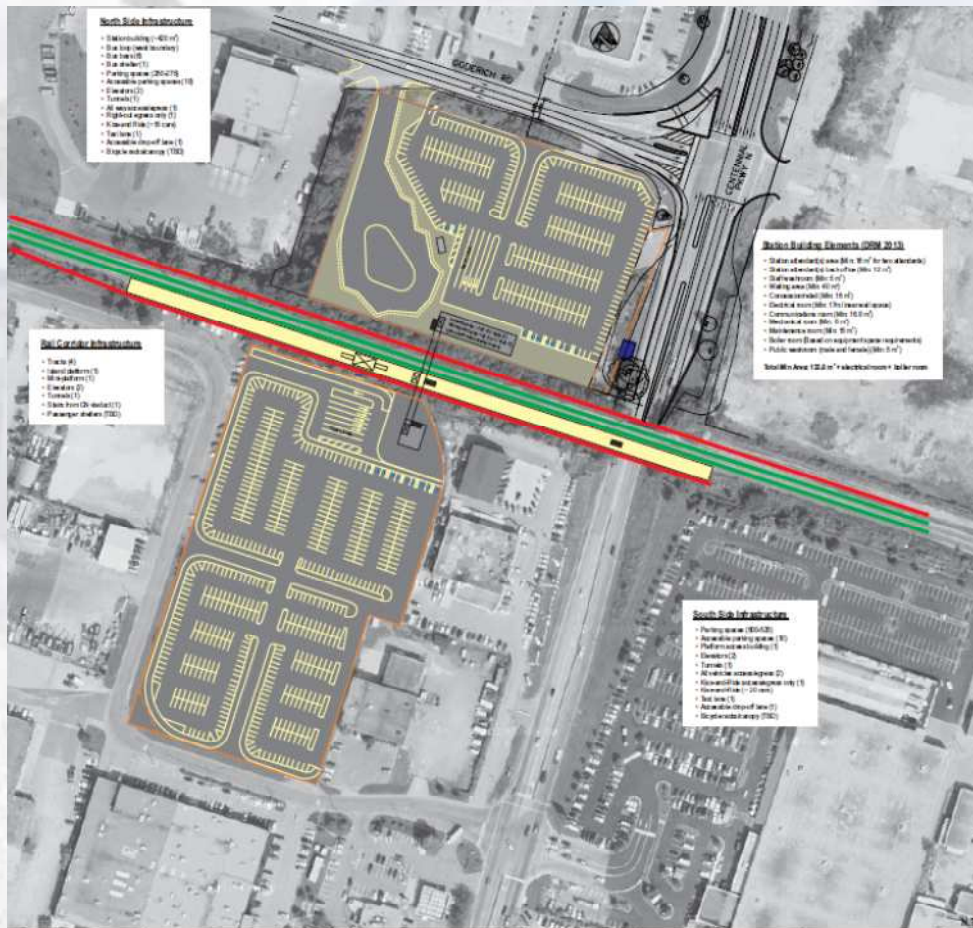


FIGURE 1. RECOMMENDED RAIL CONCEPT PLAN
(Draft - May 1, 2014)

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

For consultation only,
details subject to change

LRT Traffic Modeling/Undergrounding

- q Extensive traffic modeling was completed by SDG – model will need to be updated with revised alignment(s).
- q Extensive work on traffic management plan during construction will need to be completed.
- q 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.

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Additional Transit Considerations

- q Modelling of LRT – 30 year horizon
- q Realignment of network
- q Adjustment of 10 year local transit plan to reflect LRT & funding

Summary of Work on Critical Path

- q 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
- q Traffic Modelling
- q LRT Modelling
- q Local Transit Service Adjustments
- q Pre-Work

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

Planning and Economic Development Considerations

Presented by:
Jason Thorne



Hamilton

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Planning Considerations

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

To be the best place in Canada to raise a child, promote innovation, engage citizens and provide diverse economic opportunities.

Economic Development Considerations

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

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

Overall Next steps

Presented by:
Chris Murray

Next Steps

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

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

LRT / GO Project Considerations

- q Time
- q Money
- q Quality

To be the best place in Canada to raise a child, promote innovation,
engage citizens and provide diverse economic opportunities.

Questions?



Hamilton