



HAMILTON LIGHT RAIL TRANSIT

PROJECT UPDATE

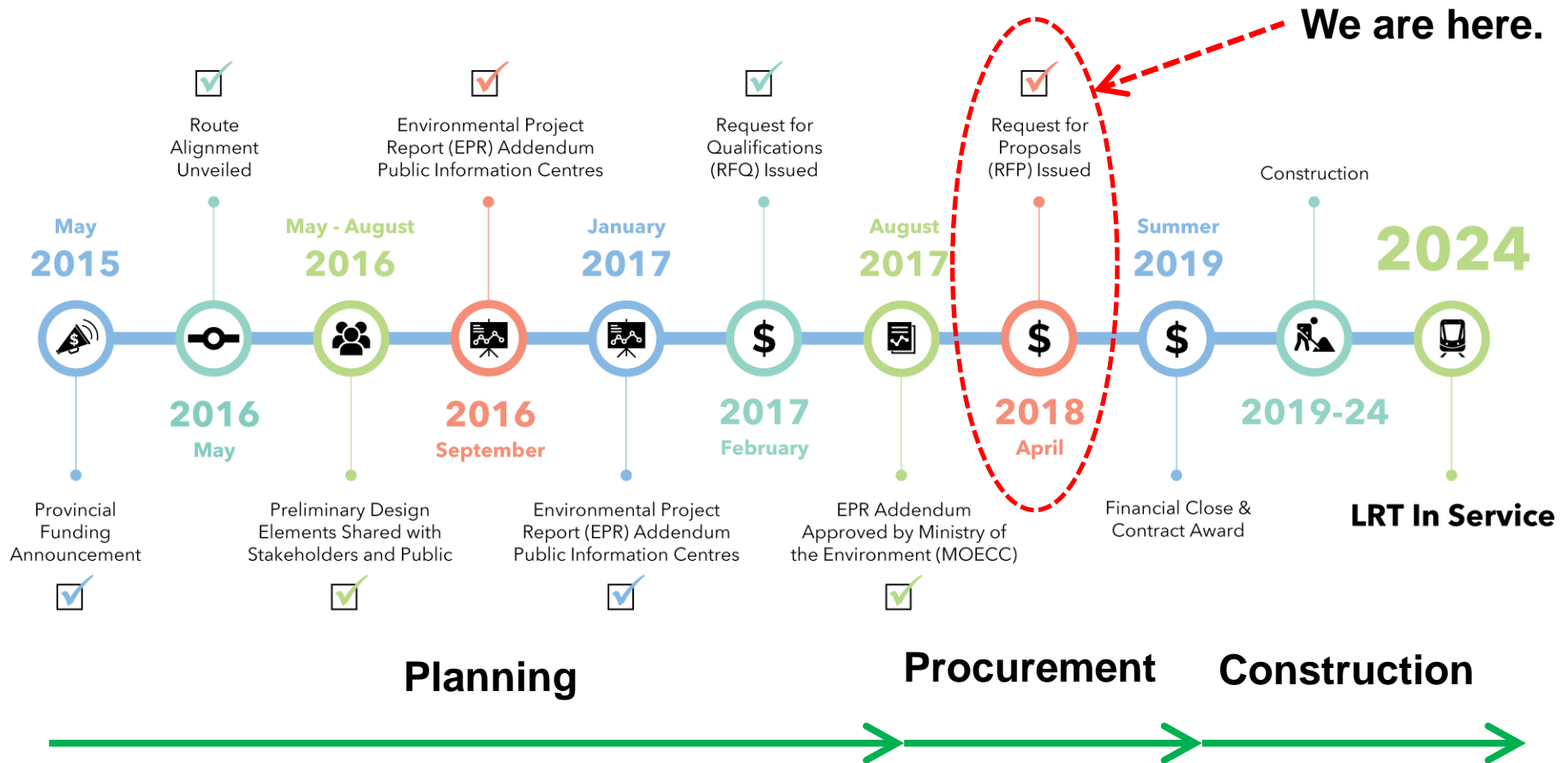
GENERAL ISSUES COMMITTEE: MAY 31, 2018



Hamilton Light Rail Transit



Project Timeline



Procurement Phase

- Request for Proposal (RFP) was issued on April 13, 2018 to three shortlisted bid teams:
 - **CityLine Transit Group**
 - **Ei8ht Transit**
 - **Mobilinx**

Preliminary Design Revisions

- Routing and layout largely unchanged from Environmental Project Report (EPR) Addendum.
- Primarily centre-running from McMaster to Eastgate.
- Corridor is complex and confined.
- Design continues to evolve based on better information.
- Issues and challenges have necessitated design revisions.

Preliminary Design Revisions

Eastgate Square Stop

- Relocated from centre of Queenston Road to north side of Queenston Road.
- Better integration with transit terminal and mall.

Queenston Road – Parkdale Avenue to Strathearne Avenue

- Reduce travel lanes from two per direction to one per direction.
- Minimizes potential neighbourhood traffic impacts.

Preliminary Design Revisions

King Street – The Delta to Gage Avenue

- LRT shifted to north side of road to provide two westbound travel lanes.
- Improves traffic circulation through “The Delta”.
- Improves constructability of grade separation.
- Assists utility relocation.
- Minimizes property impact on south side.

Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions

International Village

- Will function as a “shared” street.
- Similar in look and feel to Gore Park.
- Street trees and planter beds will be incorporated.
- Opportunities for shade are being explored.
- King Street will function as a service road.
- Through traffic will be discouraged to improve pedestrian comfort and safety.

Preliminary Design Revisions



Preliminary Design Revisions

King Street – John Street to Bay Street

- LRT shifted to south side of road to provide two westbound travel lanes.
- LRT stop shifted to west side of James Street intersection.
- Improves access to MacNab Street Terminal and parking garages.
- Improves routing/access for Emergency Services.
- Improves circulation for transit and general traffic.

Preliminary Design Revisions

King Street – Strathcona Avenue to Dundurn Street

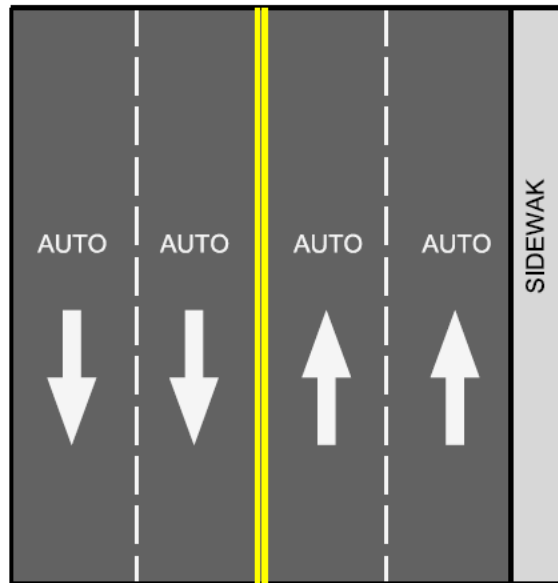
- LRT shifted to south side of road to provide two westbound travel lanes.
- Minimizes property impacts on the north side.
- Improves operation of Dundurn Street intersection.

Longwood Road Bridge

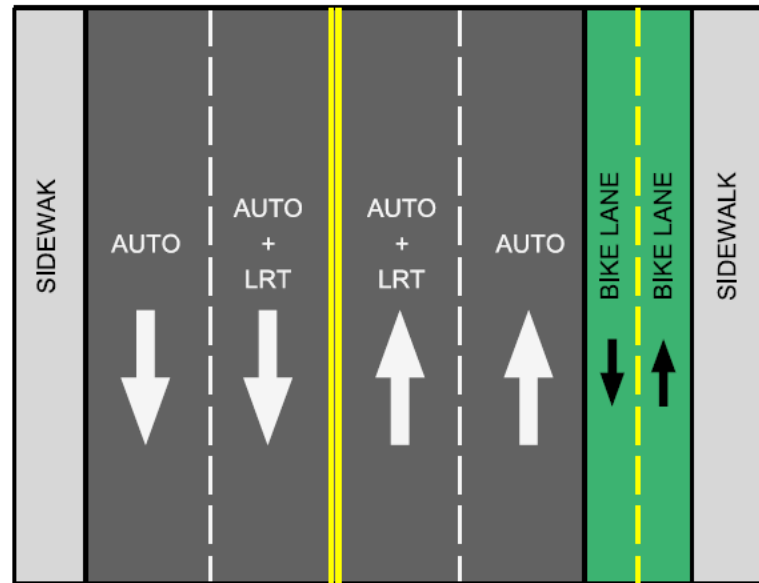
- Will be constructed with two travel lanes per direction, sidewalks on both sides and a fully protected, bi-directional cycletrack.

Preliminary Design Revisions

Longwood Road Bridge



EXISTING



PROPOSED

Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions



Preliminary Design Revisions



Construction Staging/Phasing Constraints



Principles

- Access to homes and businesses must be maintained at all times.
- Construction must be focussed and continuous through an area.
- Road closures are limited to 1 construction season (12 months).
- North/south crossings are critical.

Construction Delay Mitigation & Warranties

- Full inspection rights + standard 2 year warranty.
- Monetary deductions for schedule delays.
- Claim mechanisms for actual/verifiable damages.
- Design-Build-Finance-Operate-Maintain (DBFOM) model creates accountability and incentives to complete the project on time.
- Must commit to a Substantial Completion date.
- Delays results in significant costs.
 - Higher interest rates + penalties.
 - Stand-by costs to operator.



Operations & Maintenance

- Metrolinx is seeking a common approach for all LRT projects (Mississauga, Brampton and Toronto).
- Division of duties is preliminary; subject to negotiations.
- **Metrolinx**
 - Life-cycle capital rehabilitation costs.
- **City of Hamilton**
 - Day-to-day operations and maintenance costs.
 - Set fares and retain all revenues.

Property Acquisition

- Approximately 300 partial property acquisitions.
- Approximately 90 full property purchases.
- “Willing buyer/willing seller” negotiations.
- To date, 22 full properties have been purchased.
- Negotiations active on several other properties.
- Partial acquisitions will start in 2018.
- Where necessary, expropriation may be required.

Community Engagement

Since May 2016 the LRT Team has engaged and consulted with the following:

- 100 + stakeholder and community groups.
- 60 + community events (9,000 + attendees).
- Community Connectors have recently completed their 5th canvass, visiting approximately 1,400 properties along the LRT corridor.

Community Engagement



Community Engagement



Next Steps

- Continue to assist Metrolinx with the procurement process.
 - Respond to Requests for Information (RFI).
 - Participate in proponent meetings.
 - Participate in bid evaluation.
- Continue property acquisition.
- Refine Operations & Maintenance cost estimates.
- Negotiate Operations & Maintenance agreement.



Questions?