



# **CREATING CONNECTIONS IN THE CITY OF BARRIE**

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**GRIDLOCK COSTS OUR ECONOMY**

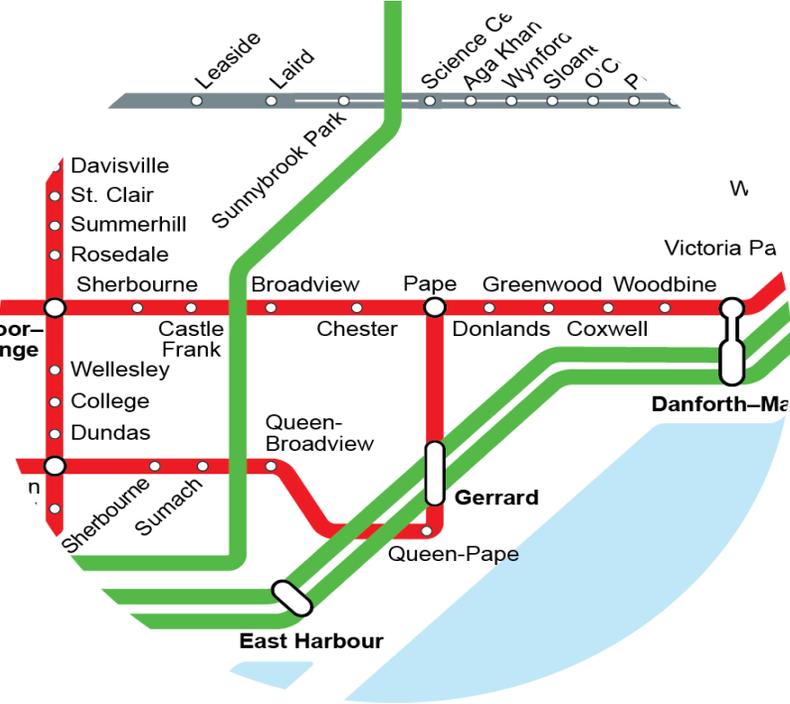


# REGIONAL TRANSFORMATION



# METROLINX

## PLAN



## BUILD



## OPERATE

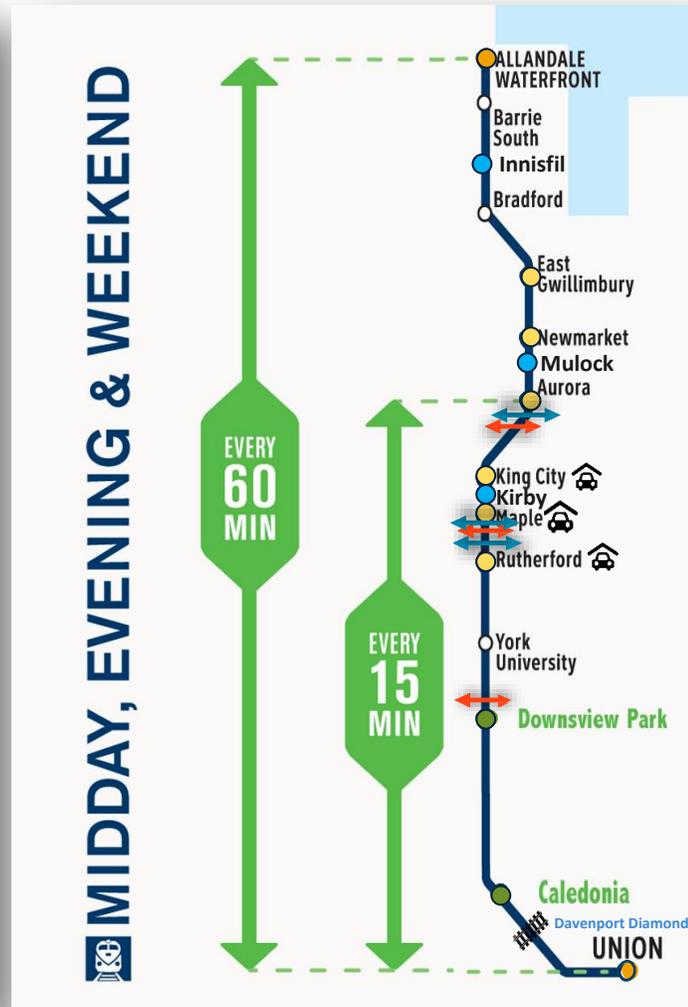
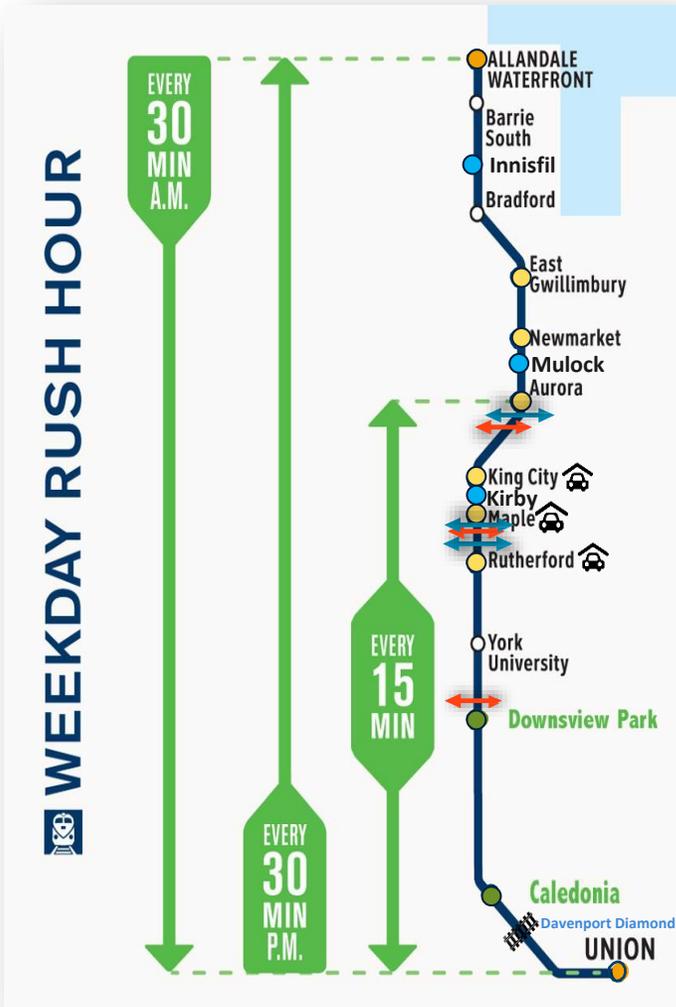
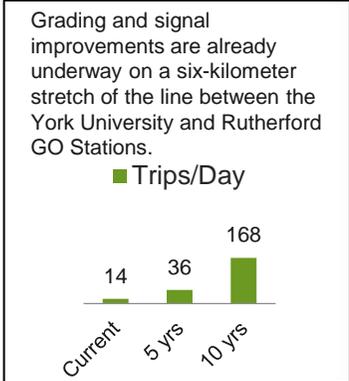


# GO EXPANSION PROGRAM



# BARRIE SERVICE IMPROVEMENTS

- 3 Parking Structures 
- Upgrades to 6 Stations (new platforms, accessibility, active transportation, etc.) 
- Corridor Electrification and Substation 
- Bridge Widening 
- Grade Separations 
- 2 New Stations 
- Davenport Diamond Grade Separation 
- Proposed Stations 



# RAIL INFRASTRUCTURE IN THE CITY OF BARRIE

# INFRASTRUCTURE NEEDS FOR GO EXPANSION

- Bringing more transit options and new levels of service doesn't come easy.
- Metrolinx is undertaking one of the largest infrastructure projects in North America.
- There is community-level disruption required to build a region-wide, integrated transit network.



## New Track

150 kilometres of new dedicated GO track will allow for more uninterrupted service.



## New Trains

New electric trains will travel faster for longer and reduce travel times.



## New Bridges and Tunnels

Bridges and tunnels that eliminate intersections with rail and road traffic will provide more reliable GO train service.



## New Renovations

New and improved stations will make your journey more comfortable, from start to finish.



## Overhead Catenary

# BARRIE CORRIDOR PROGRAM OVERVIEW

## Infrastructure Build:

- Double track from Union Station to Aurora GO Station
- Passing track north of Aurora GO Station
- Signal improvements
- Bridge structure modifications
- Bradford layover expansion and modifications
- Barrie layover expansion
- Station modifications/parking expansion
- Improved rail crossings
- Grade separations
- Customer experience improvements



# ENVIRONMENTAL ASSESSMENT

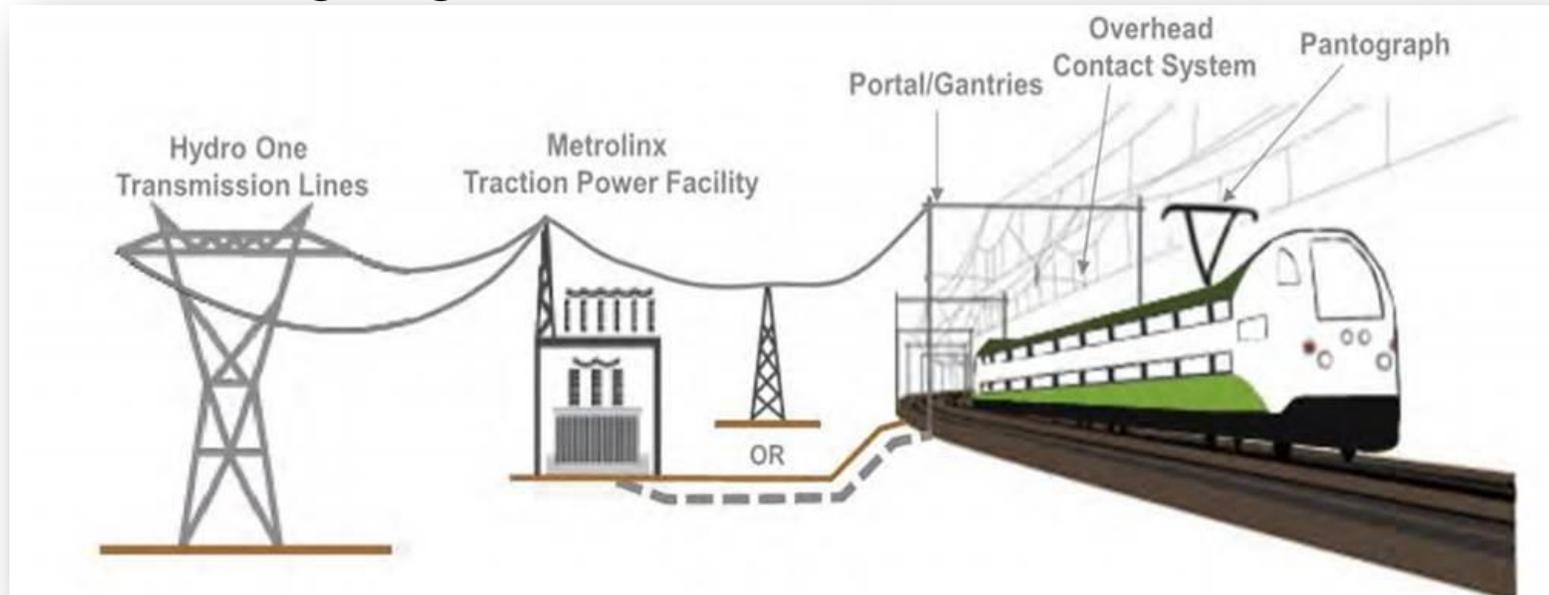
## Barrie Rail Corridor Expansion Project TPAP

- For the past year we have been busy assessing the impacts of adding additional track to the Barrie GO rail corridor.
  - Provision of a second track between Lansdowne Avenue in the City of Toronto to Allandale Waterfront GO Station in the City of Barrie
  - Upgrades to existing GO Stations along the corridor: Rutherford, Maple, King City, Aurora, Newmarket, East Gwillimbury, Bradford, Barrie South and Allandale Waterfront;
  - Upgrades to existing structures within the corridor including bridges and culverts; and
  - A new train layover facility within the Town of Bradford West Gwillimbury for overnight storage of trains.
- Transit Project Assessment Process formally commenced on **May 11, 2017**.
- A notice was published in community newspapers and a mailer was delivered to residents living within 200 metres of the rail corridor.
- As part of our continued community engagement, an online survey to gain more feedback was made available from May 11 to June 1: [www.letgoknow.com/BRCE](http://www.letgoknow.com/BRCE)

<b>Notice of Commencement</b>	<b>May 11, 2017</b>
<b>Notice of Completion</b>	August 8, 2017
<b>Start of 30-Day Public Review</b>	August 9 – September 7, 2017
<b>Start of 35-Day Minister Review</b>	September 8 – October 12, 2017
<b>Statement of Completion</b>	October 12, 2017

# ELECTRIFICATION

- In order to electrify, we need to build infrastructure including traction power substations, switching stations, paralleling stations, overhead contact systems, and various safety modifications.
- This includes switching stations and paralleling stations at Maple and Newmarket.
- Design excellence is part of designing this infrastructure.



# TRACK & STATION WORK

# NEW TRACK AND NEW STATIONS

- New Track – Barrie Corridor
  - From Union Station to Aurora GO Station to support 15-minute service from Union Station, with provision for a second track from Toronto to Barrie.
- New Stations
  - Innisfil
  - Gormley (opened December 2016)
  - Kirby (near Keele Street)
  - Mulock (near Bayview Avenue)
  - Bloomington (construction mobilized)
  - Downsview Park
  - Caledonia
  - Bloor-Davenport
  - Front-Spadina

# BARRIE SOUTH GO STATION

## Scope

Redesign and integrate existing parking  
**139 net-new parking spaces**

## Milestone Schedule

Design & Procurement	Fall 2016 – Spring 2017
Construction Period	Spring 2018 – Fall 2018



# ALLANDALE WATERFRONT GO STATION



- Very early stage of planning for upgrades at Allandale Waterfront GO Station
- Metrolinx Planning staff are working with Barrie City staff on station plans and the potential for a transit hub, downtown market.

# BARRIE TRAIN LAYOVER FACILITY



← Allandale Waterfront

Barrie South →

**Scope**  
Additional layover for train #7

<b>Milestone Schedule</b>	
Design & Procurement	Oct 2013 – Oct 2014
Construction Period	Oct 2016 – Mar 2018

# **LEVEL CROSSINGS AND GRADE SEPARATIONS**

# LEVEL CROSSINGS – ROAD/RAIL INTERSECTIONS

- With over 185 level crossings in the GO network, they will continue to be a significant feature of the network.
- All level crossings on the GO network were assessed based on four criteria which included a number of components:

## Usage and Existing Conditions (60%)

- Exposure Index (traffic and rail volumes)
- Geometry
- Accidents/Collisions
- Adjacent roadways and queuing

## Operations (20%)

- GO Service improvements
- Special users (e.g. local transit, emergency services)
- Service reliability
- Station proximity

## Social & Environmental (10%)

- Visual improvement
- Noise improvement
- Community connectivity

## Cost (10%)

- Construction
- Property
- Maintenance

# LEVEL CROSSINGS – ROAD/RAIL INTERSECTIONS

Among high and medium priority locations, a tiered approach was adopted to inform prioritization and discussions with municipalities.

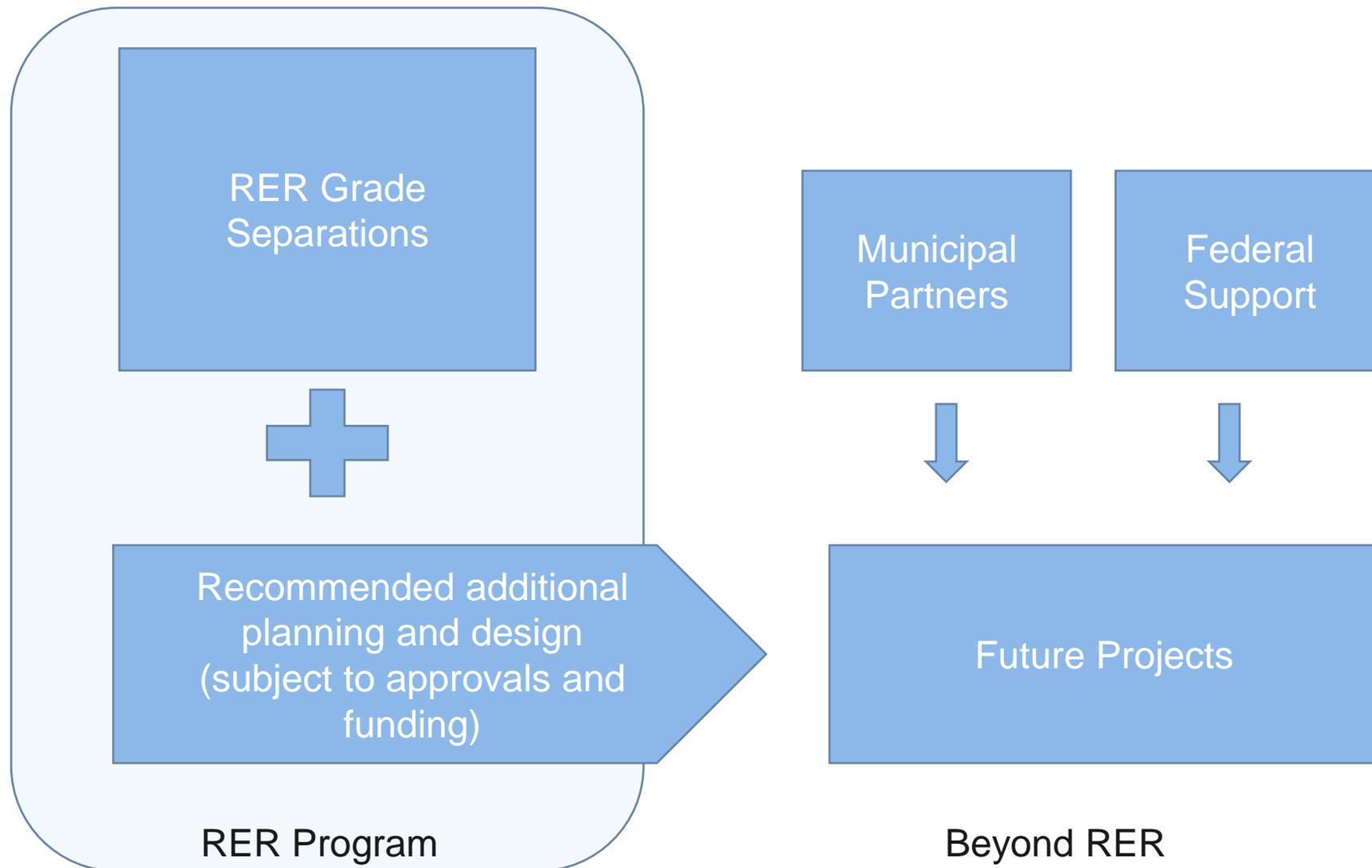


# RESULTS: LEVEL CROSSINGS IN GO NETWORK

Corridor	Crossing	Rationale
Barrie	Rutherford Rd.	Adjacent to a station, EA completed by York Region, planning underway, highest overall EI forecast on GO network
Barrie	Wellington St. E	Adjacent to a station, note heritage elements to be considered
Barrie	McNaughton Rd.	Adjacent to a station
Stouffville	Steeles Ave E	EA underway by City of Toronto, adjacent to a station
Stouffville	Finch Ave. E	Adjacent to a planned SmartTrack station, initial planning underway, shared highest score in assessment
LSW	Kerr St.	EA completed by Town of Oakville in 2009, planning underway; municipal interest, shared highest score in assessment
LSW	Burloak Drive	EA underway, project announced in 2015
LSE	Scarborough Golf Club Rd.	EA completed, project announced in 2015
LSE	Morningside Ave.	EA completed, project announced in 2015
LSE	Galloway Rd.	EA completed, project announced in 2015

# LEVEL CROSSINGS: LONG TERM PLAN

- Metrolinx will continue to work with municipal counterparts to plan for and advance grade separations where possible.
- Metrolinx recommends a longer term plan be considered beyond the current program to move additional projects forward through planning and design, subject to approvals and funding.
- This would allow for continued progress on a pipeline of locations not proceeding immediately as part of this RER program.



# NEXT STEPS: LEVEL CROSSINGS

- Study to identify recommended improvements for at-grade crossings
  - Municipal input will be part of this exercise
- Launch region-wide Community Advisory Committee
- Grade Separation Projects:
  - Finalize municipal agreements
  - Complete or initiate Environmental Assessment as required
- Enhanced Safety and Education Awareness

# COMMUNITY ENGAGEMENT

# HOW WE ARE GOING TO WORK WITH YOU

- Metrolinx recognizes that with new infrastructure and construction comes impacts to the community that must be worked through with residents and their elected officials.
- A regional Municipal and Community regional tour is currently underway that creates an annual schedule for getting to every municipal council and for providing a comprehensive narrative for residents of each municipality that details what this program will look like locally.
- We are working with municipal partners to schedule local consultations on new stations.
- We are developing a community charter which will commit the organization to building the regional transportation system in a way that is respectful of the communities it touches.
- This is in addition to the standard community relations support that we have traditionally provided on the ground on projects like Georgetown South and the Eglinton Crosstown.

# MUNICIPAL ENGAGEMENT

- As the volume of work increases, the importance of establishing tables where we can have regular dialogue in support of advancing capital infrastructure projects with municipal partners is critical to delivering transit to communities across the region.
- These opportunities include:
  - **RER Capital Leaders Forum** (network-wide table for executive dialogue and advice related to GO expansion projects)
  - **RER Regional Sessions** (focus on providing regular updates for municipal staff)
  - **Municipal Program Committees** (municipal specific committees focussed on advancing specific projects)

# COMMUNITY ENGAGEMENT: PROJECT CYCLE



