



### The Greater Toronto Area (GTA) is Growing



#### GTA + Hamilton



## 6.7 Million People (2016)

## 8.8 Million People (2036)



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My lawn is better than yours

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The average GTA commuter spends 79 minutes a day traveling to and from work



### Places to Grow (2006)

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### The Big Move (2008)

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METROLINX An agancy of the Government of Ontern November 2008









- What is required at GO Stations to support this level of service?
- How does it change the role of stations within their communities?
- What kind of development and change should be expected and encouraged?

### What does it mean for GO Transit Stations?

650

I know I parked here...somewhere

W





#### Meadowvale GO Station Master Plan

Meadowvale GO

66

\_ Meadowvale Business Park

A Higher Density Town Centre and Community Amenitie

**Planned Community**-



### How people get to the station

# Over 85% of passengers live within 5km (15 minute bike ride) of the station



- 12% from adjacent city's north of the highway
- 17% arrive from Mississauga north of the highway
- 6% arrive from other Mississauga neighbourhoods south of the highway
- Approximately 65% of users arrive from the Meadowvale Community

### How people get to the station

# Of the 1,600 daily passengers, a high percentage of passengers are currently arriving by car



- Over 80% of users arrive at the station by car
- 64% are parking in the park and ride lot
- Metrolinx has set a target automobile mode share of 50% for 2031

# There are sidewalks from the community but the streets are long and buildings face the other way

There are no dedicated connections between the community's extensive trail network and the GO station

101



SHELTER BAY PUBLIC SCHOOL

GLI ED PAI



Despite the proximity of office uses there is limited support for pedestrians

## What will RER mean for the station?

- If the modal split were to remain the same as today it would require a doubling of the parking capacity
- Achieving Metrolinx's 50% auto modal split would require a significant increase in people taking local transit, walking, cycling and being dropped off at the station assuming a similar modal split as today for the remaining proportion of travelers would mean:
  - <u>1,000</u> people using the PPUDO
  - 275 taking local transit
  - 275 walking
  - 27 biking

Modes we should be prioritizing

### Short and Long-Term Planning Framework





Transit and PPUDO Access





Priority Areas for More Active Uses



The planning framework helps to guide short term access improvements while setting the stage for the longer term reurbanization of the station lands

### Short-Term Access Enhancements (south)



#### Short-Term Access Enhancements (south)

Expanded bus area to accommodate pedestrians, cyclists and waiting passengers

Additional bus bays to accommodate increased bus use Improved sidewalk connections to the parking lot on either side of the PPUDO

Multi-use path leading directly to the station entrance from Aquitaine









### Parking ehem drives future development potential

- The cost of structured parking is currently greater than the value that land could be sold for i.e. it does not currently make sense to develop structured parking to free up land for development
- Every space is worth ~\$4,000 in yearly revenue
- Long term options had to be designed to accommodate the parking requirements both today and in 2031 assuming a 50% modal split

### **Opportunities to reallocate parking**

1. Explore opportunities for shared parking



### **Opportunities to reallocate parking**

2. Create a balanced cost structure for the two Meadowvale GO stations



Lisgar GO Catchment

Meadowvale GO Catchment

### **Opportunities to reallocate parking**

2. Create a balanced cost structure for the two Meadowvale stations










Long term market-led development potential permitted by the framework

TEP

Precise mix will be determined by the market over time.

There will be trade-offs between the amount of retail and office space.



### Metrolinx Transit Rail Parking and Station Access Strategy

- Update of the existing access strategy in response to RER
- Informed by best practice precedents
- System-wide perspective
- Focus on walking, cycling and transit modes

- What is required to integrate more frequent services through our communities?
- How can we minimize impacts on adjacent uses?
- Are there any opportunities to leverage the transit improvements for improved active mobility, place-making and city-building?





### Davenport Diamond Community Rail Overpass

- GO trains operating to/from Barrie are restricted by CP trains operating on the CP North Toronto Subdivision that cross over the diamond.
- The street level crossing of Wallace creates an additional point of conflict and is disrupting east-west connectivity
- Disruptions will increase with the planned RER improvements



### An urban context



Industrial



**High Density Housing** 



Neighbourhood Retail



Neighbourhood



Parks



Office

















Campbell Park 2015



Campbell Park 2017

### **Strategies**

- Understand the implications of other alternatives
- Explore opportunities to better integrate the overpass into the community
- Increase community engagement to provide input into the design of the overpass



\$140 Million

\$357 Million

\$620 Million

Tunnel

Wallace Ave is

raised 1m to clear the trench

WALLACEAVE

Existing Bloor St

CAR L'AN CALL ON THE BUR SO

**Option 3** 

Descending / trench

> Rogers Rd elevated 8.5m to clear the trench

Tunnel

(3.8km)

ST CLAIR AVEV

WENPORT

### **Options Were Assessed Against 5 Questions**

- 1. Do the options support the regional transit network and a new station at Bloor Street?
- 2. How much is it expected to cost?
- 3. How will construction impact the community?
- 4. What will the long-term impacts be on the neighbourhood?
- 5. What are the long-term opportunities for the neighbourhood?



Expanding park space and providing more active uses





Creating an expanded interconnected network of parks and trails





Linking diverse places











New uses at strategic locations to bridge the gap





Celebrating the structure with light





### 5 Zones of Opportunity

- 1. Davenport Road
- 2. Dupont Street
- 3. Campbell Park
- 4. Wallace Ave
- 5. Paton Road







### Davenport Residents' Reference Panel

- Help ensure that the guideway brings public benefit
- 35-member panel
- 4 full Saturday sessions
- 1,500 collective hours
- Expanded upon the initial planning and design analysis completed by Urban Strategies
- 89 recommendations





#### **Design Solution**

#### **Engineered Solution**

Gardiner Expressway









**David Sisam:** Architect, Principal – Montgomery Sisam Architects "...compelling case for raised tracks..."; "Noise is the big issue, not visual"; "Design is very good, excellent"

#### Cal Brook: Planner, Architect, Principal – Brook Mcllroy

"(Overpass) preferable to tunnel and trench"; "responsible thing to do from a financial perspective"; "Great opportunity to bring the community together"

#### Mark Langridge, Partner – DTAH

"A lot of design effort to make the overpass into a positive community asset"; "Real City building"; "Not a typical engineering approach"; "Beautiful"

### Michael Leckman (Vice Chair): Architect, Principal – Diamond and Schmitt

"A bridge can be a unifier and not a barrier"; "Need unity in approach with community, City and Metrolinx"; "Metrolinx gaining a reputation to show the way with design excellence"
## So What's Next?

New Station Assessment (120 → 50 → 15)



## So What's Next?



Regional Wayfinding

## Thanks

Craig Lametti



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