

Purpose



Identify a preferred transit solution to upgrade Züm Priority Bus service and introduce transit-only lanes on Queen Street



Transform Queen Street into a **multimodal corridor** that moves the most people and provides sustainable choices for travel



Create a new design vision for Queen Street that **improves the look and feel** of the street



Propose a new planning framework for transit-supportive development



Develop an integrated transportation and land use plan for the area surrounding the Brampton GO Station to support a future Mobility Hub Study for Downtown Brampton

Study Area



The primary study area is 14.5 km in length, spanning from McLaughlin Road in the west to Highway 50 in the east.

The primary study area was expanded to also include an urban design and planning review of the Downtown Brampton Mobility Hub Area (an 800 m radius surrounding the Brampton GO Station).



The Queen Street Study was initiated under the Municipal Class Environmental Assessment (Class EA) process for Transportation Master Plans, which is the traditional approach for municipal infrastructure projects. Following the last Committee report, it was determined that the Class EA was not the best approach to complete the study in view of Metrolinx's current practice in planning, developing, and delivering rapid transit projects with municipalities.

Given the inter-regional significance of Queen Street Rapid Transit, the recent involvement of external stakeholders, and in anticipation of Metrolinx's forthcoming guidance on its business case requirements for transit projects, it was determined that the best approach for completing the Queen Street Study was to focus on feasibility analyses, support the development of an Initial Business Case (IBC), and defer environmental assessment to a later date. The business case will compare investment options for the Queen Street project and select a preferred option for further refinement, to help secure funding from the Province for planning, preliminary design, and environmental assessment.



abilities



Process

Create vibrant public spaces for all ages and

Move people safely and efficiently

Integrate transportation and land use



Enhance main street features

Promote prosperity for local businesses



Support the corridor's goods movement role





Planning Context

The following planning context is being taken into consideration when developing the proposed planning approaches for Queen Street as well as the potential street design options.

Brampton AcceleRide Initiative Business Case (2007)

Recommended an initial network of six routes with limited-stop, express bus services operating in mixed-traffic. It further recommended that, by 2021 and beyond, the initial network should be upgraded from mixed-traffic to either Bus Rapid Transit (BRT) or Light Rail Transit (LRT) operating in exclusive median lanes.



ng (Source: City of Brampton / CICADA Design

Queen Street East Improvements Environment Assessment (2008)

Recommended that the widening of Queen Street to 6 lanes – between Centre Street and Highway 410 – should accommodate future Züm service operating in the centre median in reserved bus lanes





Metrolinx 2041 Regional **Transportation Plan* (2018)** Queen Street is identified as an "in development" rapid transit project by Metrolinx and is a key component of their 2041 Frequent Rapid Transit Network.



Queen Street Rapid Transit Benefits Case (2013)

The study evaluated BRT and LRT options and reaffirmed that there is high ridership potential in the Queen Street corridor to support upgrading the existing Züm service with dedicated transit lanes, providing a faster and more frequent service.

Transportation Master Plan (2015)

Queen Street is one of the top transit priorities in the City as identified by Council. It is also identified as "new rapid transit" by 2031 in the City's Transportation Master Plan.

Brampton 2040 Vision* (2018)

- Be a destination for living, working and playing
- The Queen Street study will set the stage for the implementation of the vision as it relates to Queen Street.

Other Studies

There are 3 projects which overlap with this study: the LRT Extension Study*, Ryerson University Campus*, and Downtown Reimagined. These projects are being undertaken in coordination with one another.

* Denotes new study/project since the May 2017 Public Meeting

By 2040, Queen Street is envisioned to:

- Become a rapid transit spine
- Support a higher density and scale

LRT Expansion Study Area U Future Ryerson University Campus

> Downtown Reimagined - Queen Street TMP





What We've Heard

We reached out to residents and stakeholders through a Public Meeting in May 2017 and an Online Survey. The following is a summary of what was heard.

Open House #1

Public Open House #1 was held on May 18, 2017. Comments frequently noted include:



Address the look, appearance and feel of the public realm in the downtown

Mitigate congestion on Queen Street, particularly downtown, at major intersections, and at the Highway 410 interchange

The heavy truck traffic travelling east from Highway 410, towards Highway 50

A strong support for roadway and operational improvements such as signal timing and right or left-turn restrictions.

Online Survey

More than 300 people participated in the online survey.

Best part of the Queen Street corridor

Availability of transit service

Top concerns for travelling in the corridor

Walking	Cycling
Conflict with cyclists and vehicles	Conflict with high speed vehicles
Transit	Driving

Three most important factors to make transit the likely choice for travel

80% said reliable service that arrives on time **69%** said ease of transfer to other transit services said shorter travel time with higher travel 65% speeds and fewer stops

Factors most likely to improve travelling experience





The following planning approaches have been identified as potential ways to address the transportation needs in the study area. An assessment of needs and transportation modelling is underway to evaluate the approaches and aide in the selection of a preferred approach.

Proposed Planning Approaches



purpose lanes into dedicated transit lanes, reallocating some of the auto-vehicular capacity into capacity for rapid transit, requiring minimal widening of the roadway. There would likely be limited widening of the right-of-way to accommodate boulevard improvements and other roadway improvements.

Züm BRT Rendering (Source: City of Brampton / CICADA Design



apidway, Markham, Ontario (Source: York Region Rapid Transit Corporatio



1st Avenue, New York, New York (Source: National Association of Transportation Officials)

Convert curb lanes into reserved lanes for buses and HOVs,

requiring no widening of the roadway, but it has less capacity to accommodate rapid transit and will be less effective in achieving transit-priority compared with dedicated transit lanes. There would still likely be limited widening of the right-ofway to accommodate boulevard improvements and other roadway improvements.

Convert two general-

Widen the roadway and the

right-of-way to introduce dedicated transit lanes and maintain the existing number of general-purpose lanes, resulting in an overall increase in transportation capacity, but will likely have major property impacts along the corridor where right-of-way is insufficient. The width of the roadway at intersections would also be widened as a result.





Complete Streets Approach and Elements

The goal for Queen Street builds upon policy direction for streets in the Greater Golden Horseshoe Growth Plan, the Region of Peel's Official Plan, Brampton's Official Plan and Transportation Master Plan, the recent **Brampton 2040** Vision and the ongoing **Brampton Complete** Streets Study. All speak to the inclusion of Complete Streets: an approach to street planning and design that considers the needs of all street users.

Context Sensitive Design

Fundamental to Complete Streets is that streets are places that exist for all street users; moving beyond designing streets to satisfy only an auto-centric transportation role and function.



Elements of a Complete Street

Boulevards

- Design accessible sidewalks with clear, unobstructed continuous paths
- Design safe crossings
- Design sidewalks as a public space to be inhabited



Bike Facilities

- Context-appropriate design • Design for the present and future • Visible, intuitive cycling facilities Supply adequate bike parking Design bike-friendly curbside conditions



Focus of Traditional Approaches: Auto Mobility Automobile Safety



Complete Street Approach: Multi-modal Mobility + Access Public Health & Safety Economic Development Environmental Quality Livability / Quality of Life Equity

Transit

- Make connections safe, convenient and seamless
- Contribute to overall transit network and designing visible, safe and convenient stops • Design a universally accessible system



A Proportional and Equitable Street

Having adequate space for non-vehicular users is important to create inviting and vibrant city streets that are places as well as corridors for movement. Working from the Outside-In, the street can provide a comfortable proportion that can support and encourage public life.



Roadway

- Design streets to accommodate multi-modal transportation
- Consider the safety of all road users
- Design for context appropriate target speed and reliable travel



Street Trees & Site Furnishings

- Dedicate space for street trees, landscaping and furnishings
- Design the street for visibility and safety









Complete Streets Functional Role + Context

The Queen Street corridor has areas of varied character defined by available space within the public right-of-way, transportation function, and adjacent largely auto-oriented land use context. Enhanced transit on Queen Street will play a key role in advancing city building aspirations.

Character Area

Jurisdiction

Existing ROW (m)

Designated ROW (m)

Ex. Number of Through Lanes







5 50-52 42 46





Potential Street Design Options Approach

A series of typical street design options were developed for the Queen Street corridor. The options test a range of transit, roadway and boulevard configurations within a 40, 45 and 50m Right-of-Way (ROW), which is reflective of the narrower sections of the corridor. The next phase will examine how the preferred street design option can be applied to the varied contexts along the corridor. One or several cross-sections are possible for the length of the Queen Street corridor.

Each of the options presents a change to the design of the street from the existing condition. The images and tables present the functional elements within each option as well as a list of the pros and cons. Please note that a detailed transportation analysis (forthcoming) and a detailed assessment of each street design option will inform the evaluation of the design options.

Cross-Section Elements

Each of the street design options include a number of elements that are required to satisfy official policy direction and project objectives. The dimensions and locations for each element may vary within the cross section, but all are included in each option.

- Available Right-of-Way (40m, 45m or 50m)
- Number of Travel Lanes (four or six)
- Location and Number of Turning Lanes (Left or Right Turns)
- Transit Stop Locations (Median or Boulevard)
- Boulevard Width (Minimum width: 6.5m)
- Boulevard to Roadway Ratio (Target Ratio: 40:60)





Curbside Transit





One-Side Transit



Consistent section mid-block intersection

No right turn lanes

Pedestrian refuge crossing v Reduced scale of street.

Left turns in shadow of platfo impact on boulevards

Dedicated cycling facilities

Potential curbside activities/I

Additional greening opportur roadway

Potential pedestrian refuge roadway

Consistent section mid-block intersection

Dedicated cycling facilities

Transit stops at curbside

No right turn lanes Additional greening opportu boulevards

Potential median greening b hand turns

Pedestrian refuge crossing roadway

Dedicated cycling facilities

Transit stops at curbside ar

Crossing of transit lanes to properties/turns

Additional greening opportu boulevards and median

k and	4 lanes only; cannot accommodate 6 lanes without ROW widening
	If right turn added, will negatively impact boulevards
wide roadway.	
orms; no	
/lay-bys	
nity within	

crossing wide	6 lanes with ROW widening or boulevard impacts
k and	No potential curbside activities/lay-bys
	Crossing of transit lanes to access properties/turns
	If right turn added, will negatively impact boulevards
inities on	
petween left	

wide	4 lanes only; cannot accommodate 6 lanes without ROW widening
	Inconsistent section mid-block and intersection
nd in median	Will require right turn lanes at every crossing of the transit lanes
access	Additional left and right turn lanes will negatively impact boulevards
unities on	No potential curbside activities/lay-bys
	Loss of greening at intersections for right turns







1.40m ROW, Four Travel Lanes Curbside Transit

This option includes four travel lanes (two in each direction) and fits within a 40m right-of-way. The boulevards in this option will remain the same width at the mid-block location and at intersections.

Typical Midblock



Boulevard 7.0m

2.5m Pedestrian Clearway 2.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

Roadway

26m 15.0m 4 Travel Lanes/ 3.75m each 7.0m 2 Transit Lanes/ 3.5m each 4.0m Median

35% 65%

Boulevard to Roadway Ratio

Typical Intersection



Boulevard

- 6.5m 2.0m Pedestrian Clearway
- 2.0m Planting and Furnishing
- 1.5m Bike Lane/ Cycle Track
- 1.0m Edge Zone

Roadway

27m 15.0m 4 Travel Lanes/ 3.75m each 7.0m 2 Transit Lanes/ 3.5m each 4.0m Median

6.5m

65% 35% Boulevard to Roadway Ratio



Boulevard

7.0m

2.5m Pedestrian Clearway 2.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

Boulevard

2.0m Pedestrian Clearway 2.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

2. 45m ROW, Four Travel Lanes 8 Median Transit

Transit in a dedicated centre median is the most common arrangement for corridors like Queen Street. This option can only accommodate four travel lanes (two in each direction) and fit within a 45m right-of-way. The boulevards in this option will remain the same width at the mid-block location and at intersections.

Typical Midblock

Boulevard Roadway 7.5m 3.0m Pedestrian Clearway 2.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

8.0m 2 Transit Median

33% 67% Boulevard to Roadway Ratio

Typical Intersection



2.0m Planting and Furnishing

1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

4.0m Transit Median 4.0m Left Turn lane

33% 67% Boulevard to Roadway Ratio

Pedestrian Clearway Planting and Furnishing Bike Lane/ Cycle Track Edge Zone



7.0m 2 Transit Lanes/ 3.5m each

Boulevard 7.5m

3.0m Pedestrian Clearway 2.0 m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0 m Edge Zone

3. 45m ROW, Four Travel Lanes One-Side Transit

Transit in a dedicated corridor to one-side is not a typical arrangement. Any crossings on the transit corridor would require a signalized intersection. Similar to median transit, this option can only accommodate four travel lanes (two in each direction) and fit within a 45m right-of-way. The boulevard width mid-block and at intersection vary significantly.

Typical Midblock



Boulevard 9.0m

- 3.0m Pedestrian Clearway
- 3.5m Planting and Furnishing
- 1.5m Bike Lane/ Cycle Track
- 1.0m Edge Zone

Typical Intersection



Boulevard

- 7.0m 1.8m Pedestrian Clearway
- 2.7m Planting and Furnishing 1.5m Bike Lane/ Cycle Track
- 1.0m Edge Zone



Pedestrian Clearway Planting and Furnishing Bike Lane/ Cycle Track Edge Zone

Roadway 26m 15.0m 4 Travel Lanes/ 3.75m each

Boulevard to Roadway Ratio

40%

7.0m 2 Transit Lanes/ 3.5m each 4.0m 1 Transit Median

60%

Boulevard 9.0m

3.0m Pedestrian Clearway

- 3.5m Planting and Furnishing
- 1.5m Bike Lane/ Cycle Track
- 1.0m Edge Zone



15.0m 4 Travel Lanes/ 3.75m each 7.0m 2 Transit Lanes/ 3.5m each 3.75m Right Turn Lane 5.0m Left Turn Lane 4.0m Median 25% 75%

Boulevard to Roadway Ratio



1.8m Pedestrian Clearway

1.0m Edge Zone

1.5m Bike Lane/ Cycle Track





Potential Street Design Options Alternatives (2/2)

4. 45m ROW, Four Travel Lanes

Transit operating in the lane adjacent to the curb is a common arrangement for corridors like Queen Street. This option includes four travel lanes (two in each direction) and fits within a 45m right-of-way. The boulevards in this option can accommodate a double row of trees on each side, and will remain the same width at the mid-block location and at intersections.

Typical Midblock



Boulevard 10.75m 4.25m Pedestrian Clearway 4.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

Roadway 23.5m 15.0m 4 Travel Lanes/ 3.75m each 7.0m 2 Transit Lanes/ 3.5m each 4.0m Median

48% 52% Boulevard to Roadway Ratio

10.75m

Typical Intersection



Boulevard 10.75m

4.25m Pedestrian Clearway 4.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone

Roadway 23.5m 15.0m 4 Travel Lanes/ 3.75m each 7.0m 2 Transit Lanes/ 3.5m each 4.0m Median

10.75m

48% 52% Boulevard to Roadway Ratio



Boulevard

- 4.25m Pedestrian Clearway 4.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track
- 1.0m Edge Zone

5. 45m ROW, Six Travel Lanes Curbside Transit

Similar to Option 4, this option includes six travel lanes (three in each direction) and fits within a 45m right-of-way. The boulevards in this option will remain the same width at the midblock location and at intersections.

Typical Midblock

6.5m

- 4.0m Median
- 29% 71%

Typical Intersection

Boulevard

4.25m Pedestrian Clearway 4.0m Planting and Furnishing 1.5m Bike Lane/ Cycle Track 1.0m Edge Zone



Pedestrian Clearway Bike Lane/ Cycle Track



This option includes six travel lanes (three in each direction) and fits within a 50m right-of-way. This option is only applicable to existing ROWs that are 50m or greater. The boulevards in this option will remain the same width at the mid-block location and at intersections.

Typical Midblock

6. 50m ROW, Six Travel Lanes





Proposed Evaluation Criteria



Natural Environment

Does the option support and enhance natural areas and avoid or mitigate negative impacts?

Example Criteria:

- Compatibility with the natural environment
- Compatibility with parks and public spaces

Proposed evaluation criteria across four categories will be used to determine the best option among the identified alternatives.



Social Environment	Tr
Does the option strengthen existing neighbourhoods, enhance access to work, school and other activities, and support growth?	Dc ex pro co ma co res
Example Criteria:	Ex
 Urban design 	•
 Impacts on cultural heritage/archaeological potential 	•
 Property impacts 	•
 Development potential and intensification 	



ransportation & Technical

Does the option integrate with the xisting transportation network to rovide more choice, help reduce ongestion and travel times and nake travel more reliable; and ontribute to the development of a esilient transportation system?

Example Criteria:

- Transit and traffic level of service
- Connectivity to higher order transit services
- Improvement to pedestrian and cycling experience
- Engineering feasibility



Financial & Economic

Does the option support economic development and allow workers to get to jobs more easily?

Example Criteria:

- High level cost estimate
- Overall economic benefits to Brampton





Proposed Transit Solution

Bus Rapid Transit (BRT) in dedicated lanes is the first step for implementing rapid transit on Queen Street. Target for implementation is 5 to 10 years – subject to funding availability and the necessary approvals in place.

The current Züm "Priority Bus" service in the Queen Street-Highway 7 corridor offers a continuous, inter-regional connection between Downtown Brampton, Vaughan Metropolitan Centre Subway Station, and York University.



The most popular service operated by **Brampton Transit**



~19,000 boardings on a typical weekday (Fall 2017)

Existing Transit Ridership



Estimated Transit Ridership Potential (preliminary, subject to refinements)





Weekday ridership grew on average 7% per year between 2011 and 2017.

Why BRT?

Continuous

Coordinated

BRT accounts for physical constraints within the Downtown Brampton area. With major transformations underway in the downtown area (Ryerson University campus, the future Centre for Innovation and Education, and the potential future expansion of the Downtown Transit Terminal), the preferred solution for Queen Street Rapid Transit would need to be operationally flexible to respond to the changing landscape within the downtown area. BRT is advantageous because it is operationally flexible, less infrastructure-intensive, and less costly to implement.

Future Ready





The inter-regional destinations, the oneseat ride, and the value of the service are the key factors behind this success. Based on the planned service increase in the corridor over the next five years, there will be an emerging need to further expand capacity with dedicated lanes between the next 5 to 10 years.

The 2013 Benefits Case Analysis (BCA), found that the most important outcome of a Queen Street-Highway 7 rapid transit corridor is to provide a **continuous service**. Forcing customers to transfer from a Brampton light rail vehicle to a York Region bus midpoint in their journey will make the rapid transit unattractive to riders, potentially worse than the status quo Züm service in mixed traffic, and will result in less ridership potential for the corridor (a finding reaffirmed by this study).

Metrolinx and York Region have expressed the importance for Queen Street Rapid Transit to share a common transit mode with Viva BRT, and a desire for Brampton to coordinate with the Rapidway program in York Region.

Flexible

While BRT is the proposed starting point for Queen Street Rapid Transit, an important requirement for the project will be that the design of the corridor allows for future upgrades in capacity, infrastructure, technology (e.g. electric propulsion, vehicular automation, autonomous vehicles, Smart Lanes), or conversion to light rail if warranted. Recognizing the emergence of new and evolving transit technologies in the industry, the proposed transit solution is flexible enough to adapt to the changing technological environment.

ligher Capacity Bus in BRT Application, Malmo, Sweder





Catenary-Free LRT with Onboard Energy Storage and In-Station Charging, Kaohsiung, Taiwan

High Capacity Vo Zhuzhou, China /ehicle, Battery Electric Propulsion, Trackless Guideway, Vehicular Autom



High Capacity Vehicle, Battery Electric Propulsion, Trackless Guideway, Vehicular Autom Zhuzhou, China





MTSAs on Priority Transit Corridors served by bus rapid transit or light rail transit should achieve an average density of 160 residents and jobs per hectare.



Example Potential Major Transit Station Area - Kennedy

Steps to Developing the MTSA Boundaries Diagram for illustrative purposes; refer to Kennedy Potential MTSA for an example of a potential boundary



1 500m Radius

Base Case. Start with the area within 500m of each rapid transit stop.

Legend

Blocks Transit Station --- Revised MTSA boundary after **Context Analysis —** Transit Street Parks / Open Space / Natural Heritage Areas Rail or Infrastructure Corridor Stable / established neighbourhoods Community / Institutional destination Development Potential Secondary Plan Area or Special Policy Area

2 Pedestrian Barriers

Barriers and Edges. Adjust the boundary where barriers that are hard to cross such as highways, rail corridors or waterways form an edge.

- Destinations
- **Development Opportunities**

Destinations and

Development. To maximize the area and number of potential transit users within walking distance, adjust the boundary to include nearby destinations such as schools, parks and public facilities as well as sites with existing or potential for higher density development.

- Planning Context
- Eliminate Overlap 6

Policy and Planning. Refine the boundary to reflect current planning policy, such as official plan land use designations which already allow higher density development. Finally, eliminate any overlap with other nearby MTSA boundaries.





Focus Areas Opportunities and Constraints (1/2)

Eight of the potential MTSAs have been identified as Focus Areas. These are areas that have a capacity to accommodate future residential, mixed-use or employment growth and where transit converges.

1. Brampton GO Station Area



Opportunities	Challeng
Provincial Urban Growth Centre, part of the Central Area of a rapidly and extensively developing city	Flood risk (limits on devel
Mobility Hub: potential for infill and intensification contributing to a walkable, mixed-use, transit oriented centre	Heritage resources (requindesign approach)
Major existing and planned green spaces and destinations (city hall, university, cultural destinations)	Constrained access, inco network, underpasses
Existing heritage character	Heritage resources (requir design approach)
Excess parking capacity	Narrow streets (limited op dedicated transit)
Convergence of local and regional transit (bus and rail) at Brampton GO Station	High peak-direction auto parts of Queen Street, and of Theatre Lane)
Two-way all day GO service	
Moderate transit ridership along the corridor	

Each Focus Area has a different land use context and planning priorities. The next phase of the study will develop planning priorities and urban design guidelines to support the selected transit.

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pportunity for

volumes along nd Main Street (north

2. Queen Street Central Area



Opportunities	
Within provincial Urban Growth Centre (opportunity for higher density)	Som area
Queen-fronting properties designated for growth (Central Area mixed-use)	Coar conn
Proximity to Peel Memorial Centre as potential major employment node	High creat
Recent mixed use developments are redefining the character of Queen Street	High corric Roac
Potential alternative east-west connections, including Clark-Eastern	Seve
Moderate transit ridership along the corridor	
Significant transfer point at Kennedy Road	

The Queen Street design within each Focus Area will contribute to the establishment of a strong sense of place and the increasing sustainability in terms of creating neighbourhoods that are compact, transitoriented and pedestrian friendly.

Challenges

ne lower-intensity industrial uses within (not a major constraint)

arse grain of north-south streets nected to Queen Street East

hway 410 is a barrier (on/off ramps ate conflicts for cyclists/pedestrians)

n peak-direction auto volumes along idor and at intersecting streets (Kennedy d and Rutherford Road)

eral mid-block driveway accesses

3. Bramalea



Opportunities

Existing high density residentia

Infill/mall redevelopment: refresh Bramalea 'new town' showpiece

Opportunity to improve street ne

Connections to Chinguacousy major landmark and recreation

Existing services: i.e. Library, Re Peel

Regional GO Bus Service Conn Convergence of local and regior transit at Bramalea Terminal High ridership along the corridor

	Challenges
al areas	Low density residential areas north of Queen
shed ce	Coarse grain of north-south streets connected to Queen Street East
network	Primary truck route
Park: a destination	High auto volumes in some areas, partially due to access to Highway 410
Region of	
nections	
onal (bus)	
or	





Focus Areas Opportunities and Constraints (2/2)

4. Gateway Boulevard Node



Opportunities	Challeng
Employment led intensification on Queen street frontage parcels.	Entirely designated employ
Ecological and habitat connections along Mimico Creek corridor	Large industrial properties modal facilities) protected a redevelop under current pla
Moderate auto volumes throughout the focus area	Lester B Pearson Internation Operating Area limits introduced land uses.
Limited existing connectivity to other transit routes	Mimico Creek is a barrier to movement
Moderate ridership along the corridor	Utilities north side of Queer

ges oyment lands.

s (e.g. large interd and unlikely to planning horizon.

tional Airport oduction of sensitive

to pedestrian

en Street

5. The Goreway



Opportunities	
Large, low-intensity sites fronting on Queen (redevelopment potential)	Primarily
Connections to Claireville Conservation Area	Limited i propertie
Moderate auto volumes along the corridor.	Lester B Operatin Iand use
High transit ridership along the corridor	Utilities I
Significant transfer point to existing transit routes at Goreway Drive	

Challenges

ily designated employment lands

d intensification on industrial-designated ties

B Pearson International Airport ing Area limits introduction of sensitive ses (East of Humberwest Parkway)

s north side of Queen Street

6. The Gore



Opportunities

Large sites with redevelopment (low-intensity uses)

Opportunity to improve street n

Designated for mix of residentia employment uses

Connections to Claireville Conse Area, parks and valley-lands

Congested transit ridership in p direction

	Challenges
t potential	Existing low-density residential areas
network.	Impermeable street network
al and	Valley-lands act as pedestrian barrier
servation	Limited intensification potential on designated employment lands
oeak	Primary truck route
	High level of peak-direction auto volumes due to access to Highway 427
	Utilities north side of Queen Street

