



Demand Responsive Public Transportation in Canada: An Overview

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Presentation Outline

- Preliminary Comments
- Transit DRT Services
- Community Transportation
- Recent Developments
- Challenges

Preliminary Comments

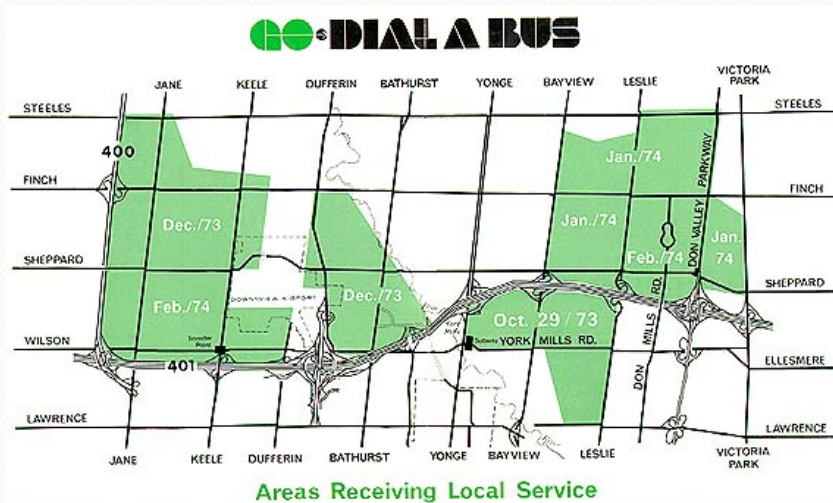
- Lack of Federal Involvement
- Cities are “creatures” of the Provinces
- Municipalities have been given monopoly on transit (with a few exceptions in three major regions)
- Lack of government support requires very high revenue/cost ratios
 - 55% national average
 - 73% in Toronto (TTC)
 - Discourages risk taking
- Specialized Transit (= ADA Paratransit) very long standing tradition
 - Extensive use of taxis under contract for ambulatory disabled



Transit DRT Services

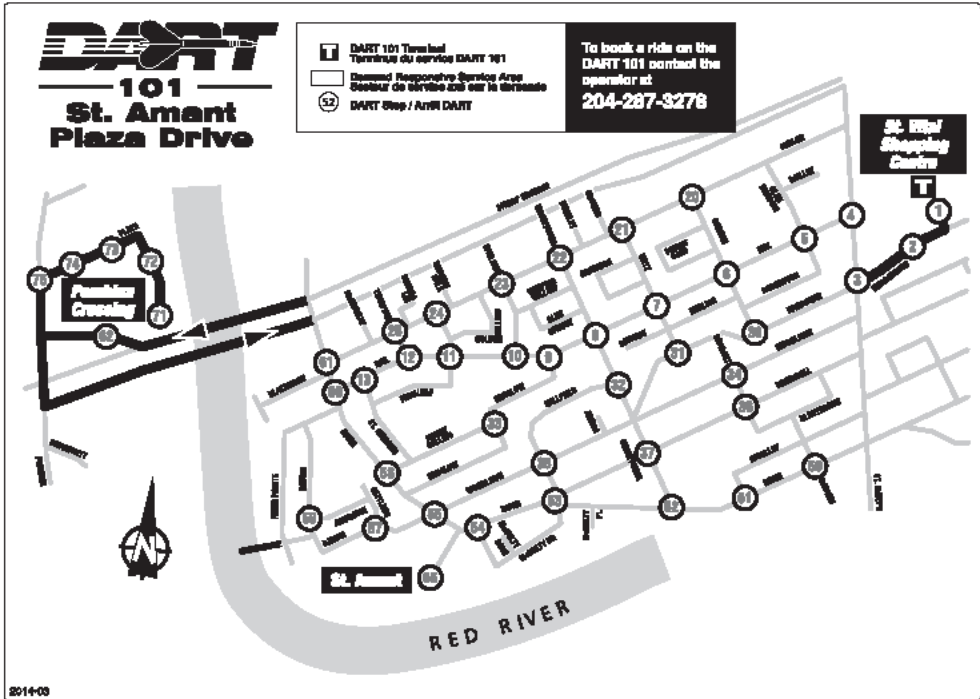
Zone Bus – Dial-a-Bus

- 1970s: Feeder service to subway and GO Transit commuter rail in Toronto suburbs



- Fare integration program (shared cost of feeder service)
- DRT replaced by fixed route as demand grew

Zone Bus - Winnipeg Transit DART



DART 101: St. Amant/Plaza Drive

[Maps](#) [Trips Not Requiring a Reservation](#) [Trips Requiring a Reservation](#)

Maps

- [DART 101.pdf](#)

Trips Not Requiring a Reservation

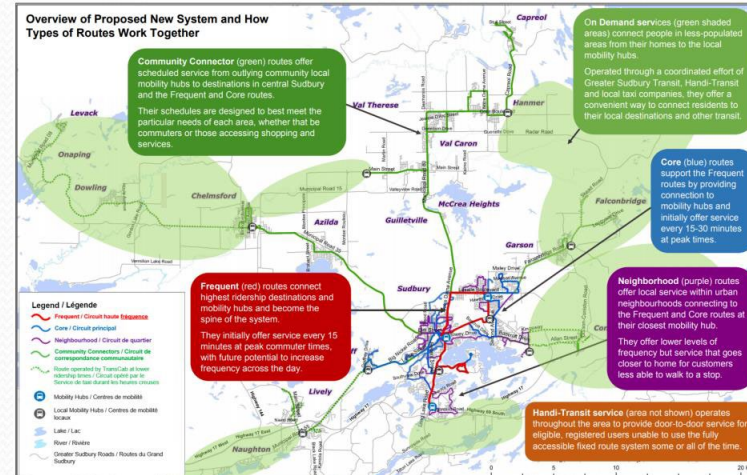
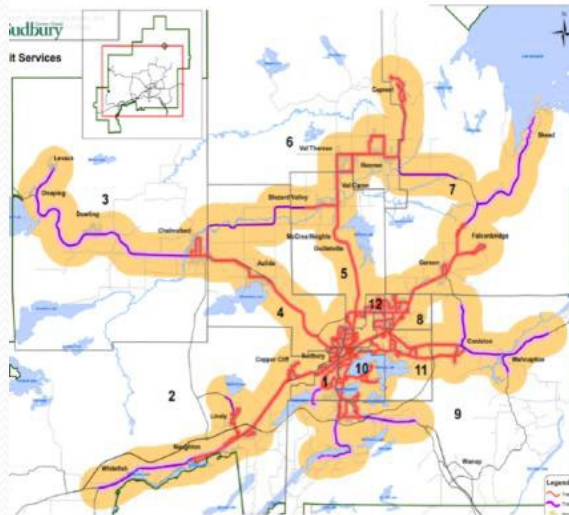
- If you're travelling from St. Vital Centre area:
 - The DART 101 bus has a scheduled departure from St. Vital Centre (Stop 1) shortly after each arrival of a Route 16 bus from downtown. Please refer to schedule.
 - DART 101 provides service to Stops 1, 2 and 3 in order. You can wait at any of these stops and the DART 101 bus will pick you up.
 - When you board the DART 101 bus, tell the operator the DART Stop at which you wish to be dropped off. The operator will take you to your DART Stop using a routing that minimizes travel time for all passengers.
- If You're Transferring from 14 St. Mary's:
 - Wait at Stop 3 on westbound Meadowood. The DART 101 bus will pick you up. See schedule for DART 101 departures from St. Vital Centre terminal.
 - When you board the DART 101 bus, tell the operator the number of the DART Stop at which you wish to be dropped off.
- If You're Travelling from Plaza Drive Area:
 - The DART 101 bus has scheduled departures from Plaza Drive (Stop 71). Please refer to schedule.
 - DART 101 provides service to Stops 71, 72, 73, 74 and 75 in order. You can wait at any of these stops and the DART 101 bus will pick you up.
 - When you board the DART 101 bus, tell the bus operator the number of the DART Stop at which you wish to be dropped off.

Trips Requiring a Reservation

- If you're starting your trip from home or St. Amant Centre:
 - Call 204-287-3278 (**BUS-DART**)
 - An automated system will ask you to choose your service area using your touch tone phone. Your service area is DART 101 – St. Amant- Plaza Drive.
 - Press #1 on the keypad. Your call will be forwarded to the DART 101 bus operator – please allow the driver time to answer your call; he or she may be in traffic.
 - If you do not have a touch tone phone, stay on the line, and your call will be answered.
 - We'll pick you up at your Door. Tell the operator the address where you are to be picked up. He or she will also need to know the DART Stop at which you wish to be dropped off. The operator will provide you with an approximate time the bus will arrive to pick you up.
 - Please be ready on time. Because the bus operator must complete all pick-ups & drop-offs in a timely manner, we won't be able to wait if you're late.
- Tips
 - Please call only when DART 101 is in service. Please see schedule for service hours.
 - Transferring? Remember to ask for a transfer when boarding DART 101 if you are transferring to another route. There will be timed connections with all Route 16 buses at St. Vital Centre. (See schedule.)

TransCab – Sudbury Transit

- 60 buses / 38 routes in fixed route service
- 4.1 million revenue passengers (linked trips)
- 37,000 TransCab passengers per year
- Call 90 minutes in advance
- Convert when less than 5 boardings per hour



Rimouski Quebec - Taxibus

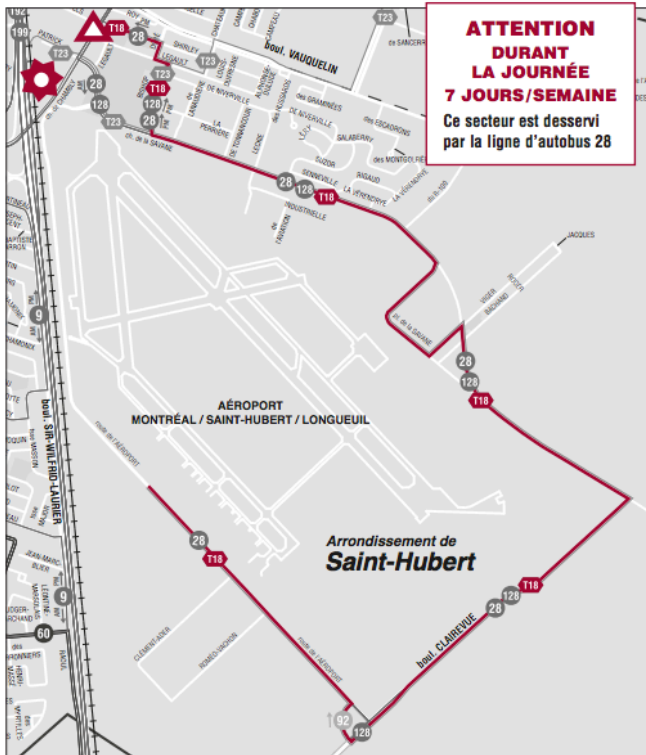
- 50,000 population
- Originally all public transport service was operated with taxis under contract, started over two decades ago
- 1 hour reservation
- Now three fixed routes plus Taxibus in two zones, with two transfer points downtown and one for each zone

Shared-Ride Taxis in Montreal Region (STM, RTL, STL)



Ligne de Taxi collectif	Secteur desservi	Correspondance avec les lignes d'autobus
T18	Dans l'arr. de Saint-Hubert, assure la desserte de l'École nationale d'aérotechnique, de l'Agence spatiale et de l'Aéroport, jusqu'au chemin de Chambly.	8 - 88
T19	Dans l'arr. Vieux-Longueuil, relie le boulevard Jacques-Cartier à la rue Bédard.	20 - 161
T20	Dans l'arr. de Saint-Hubert, assure la desserte du chemin de Chambly et de Pacific jusqu'au boulevard Cousineau / boulevard Gaétan-Boucher.	19
T21	Dans l'arr. de Saint-Hubert, assure la desserte du Parc industriel Saint-Hubert (J.-A.-Bombardier et Armand-Frappier), jusqu'à Grande Allée.	21
T22	Dans l'arr. de Saint-Hubert, assure la desserte du Parc industriel Gérard-Leclerc (1re et 2e rue) par le boulevard Cousineau, jusqu'à Gaétan-Boucher.	8 - 19 - 42 - 50
T23	Relie une partie des boulevards Béliveau, Roberval, Roland-Therrien et Vauquelin au chemin de Chambly.	22 - 20 - 28 - 410
T48	Dans Brossard, assure la desserte des boulevards St-Laurent et Marie-Victorin jusqu'au terminus Panama.	Toutes les lignes du terminus Panama
T77	Dans Brossard, assure la desserte du boulevard Matte entre Illinois et place Jade.	77
T89	Dans le Parc industriel de Boucherville, assure la desserte des rues Eiffel, Louis-Pasteur, J.-A.-Bombardier, De Coulomb, Volta jusqu'à De la Barre et Marie-Victorin.	123
T90	Dans Boucherville, assure la desserte de Montbrun entre des Ateliers et des Découvreurs par Claude-Dablon.	86
T92	Dans Boucherville, assure la desserte des rues Gay-Lussac et Ampère jusqu'à de Mortagne et Calixa-Lavallée.	83 - 84
T93	Dans Boucherville, relie le Carrefour Rive-Sud à du Boisé et Jean-Deslauriers jusqu'à de Mortagne et De Montarville.	80
T94	Cette ligne de taxi relie durant la semaine, les Promenades St-Bruno au centre-ville de Saint-Bruno-de-Montarville et à la clinique médicale Saint-Basile.	-

du lundi au vendredi: soirée seulement





Community Transportation



Nova Scotia Community Transportation Assistance Program (CTAP)



- Covers a portion of operating costs of a community-based inclusive transportation service
- Services provided by non-profit organizations, in partnerships with public, private, and volunteer resources and services
- Currently 17 services
- Support provided by Community Transportation Nova Scotia (CTNS) association



Ontario Community Transportation (CT) Grant Program

- To help municipalities and community organizations develop, implement, and operate community transportation projects (\$30 million)
- \$10 million for indigenous communities
- 22 projects
- One call-one click, coordination, NEMT, seniors homes, etc.



Recent Developments

York Region Transit (YRT) – Family of Services

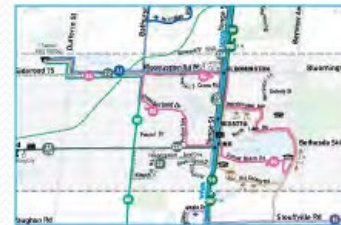
- Working with RouteMatch



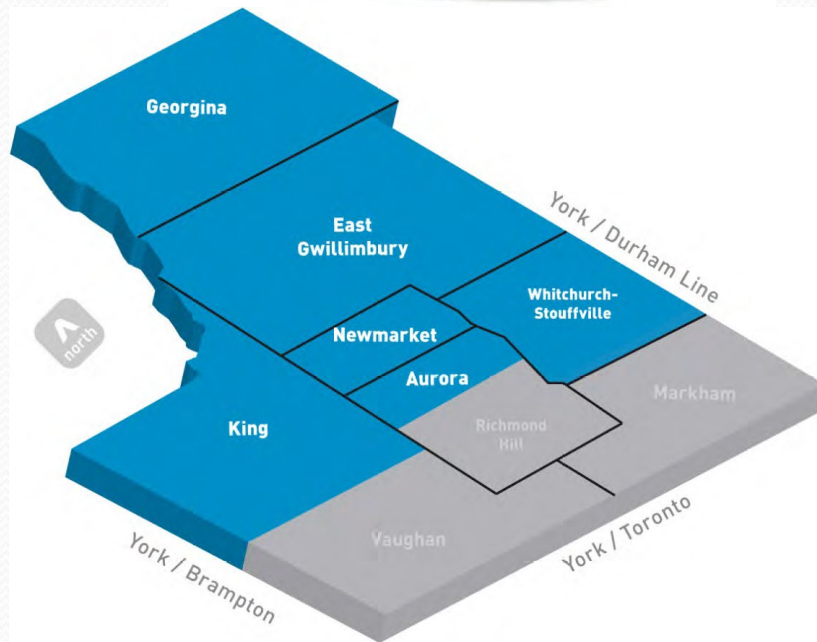
York Region Transit (YRT) – Integrated Mobility



DIAL A RIDE
North



DIAL A RIDE
Aurora South and Oak Ridges





Other New Developments

- Metrolinx / Milton Transit MicroTransit Pilot
 - RideCo: DRT feeder service to GO Rail station
- Belleville Transit On-Demand Night Bus Pilot
 - Pantonium: DRT software used to replace fixed route service
- Innisfil Transit
 - Subsidized uber rides to feed Go Transit or to specified locations



Challenges

- Bias towards fixed route
- Union opposition
- Lack of funding for R&D / Pilot Projects (e.g., MOD Sandbox): discourages risk taking
- Institutional complexity to engage in public/private partnerships for innovative services

But

- Increased interest in integrated mobility
 - More developments likely
- 



Thank You!

