New mobility options: Delivering where fixed route cannot

Tuesday, October 23rd 2018
Rail~Volution - Pittsburgh
How to address today’s mobility challenges?
All modes, public or private partners

- LimeBike
- Uber
- Zipcar
- Via
- Chariot
- Ofo
- Bird
- Chronopos
- CityWay
- Rail~Volution – October 23rd 2018
Integrated Mobility

Driving down single occupancy vehicle rate by addressing personal travelers’ mobility needs with intermodal information

Combine modes and ease the modal shift to expand mobility services
Modal Integration in the Trip Planner

YONGE ST AT SHUTER ST, TORONTO

Keele St. @ Steeles Ave. W., TORONTO

Leave now > Accessible

Fastest Fewest transfers Less walking

1:55 PM - 3:09 PM 1h13 CA$3.00*

TTC

2:02 PM - 3:27 PM 1h24 CA$3.00*

TTC

2:03 PM - 3:32 PM 1h28 CA$11.20*

Up Express; GO Transit

1:53 pm - 2:50 pm 1h57 min CA$3.00*

YONGE ST AT SHUTER ST, TORONTO

Drive

6.9 km

10 min

Keele Station Parking, TORONTO

Walk

513 m

5 min

KEELE STATION, TORONTO

Next departures

2, 13, 20 min

KEELE ST AT FOUR WINDS

FOLLOW THIS TRIP

FOLLOW THIS TRIP

FOLLOW THIS TRIP
Bike Integration

TRIP DETAILS

9:27 pm Start from the street: Boulevard Gambetta STRASBOURG Map
- Drive towards: Veloparc C.T.S. Winston Churchill STRASBOURG
  - Distance: 2.9km
  - Duration: 11min
  - See details

At the point of interest: Veloparc C.T.S. Winston Churchill STRASBOURG Map
- Walk to the stop: Winston Churchill STRASBOURG
  - Distance: 33m
  - Duration: <1min

9:41 pm At Stop Winston Churchill STRASBOURG Map
- C.T.S. Strasbourg
- Gare Centrale - Neuhof Rodolphe Reuss
- C.T.S. Strasbourg
- Towards: Neuhof R. Reuss
- Duration: 4min
- See details

Cycling options

- Display bike journeys (100%)
- Bike and public transport
- Park the bike Near a station
- Public transport and bike
  - Specify the location of the bike

Maximum cycling distance: 10 km
Cycling speed: 15 km/h
Bike Integration

BIKE RIDE (100%)

Depart 9:15 pm – Arrive 9:32 pm
17min

Distance: 1.1km
Time: 17min

Depart 9:16 pm – Arrive 9:30 pm
15min

Cycling: more bike paths

Cycling: fastest

Carbon footprint: Making this trip, you do not emit CO₂.

Walking speed/slope

- 3 km/h
- 4 km/h
- 5 km/h
- 6 km/h
- 7 km/h

Map

Distance: 1.1km
Time: 17min

Ride until: Coll. Ausone BAZAS
Bike Integration

3:07 pm - 4:15 pm

3:07 pm
Mississauga Rd. @ Argentia Rd., MISSISSAUGA
4.5km
19 min
1h07

3:28 pm
Erin Mills Pkwy. @ Banfield Rd., MISSISSAUGA

3:28 pm
GO Transit
Towards 45 - York U
5 stops
47 min

4:15 pm
Keele St. @ Steeles Ave. W., TORONTO

4:15 pm
GO Transit
Streetville Hwy 407 Service

Presto $7.33

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Rail-Volution – October 23rd 2018
Road, Car integration

Trip Summary
Start: Keele St. @ Steeles Ave. W., TORONTO
End: YONGE ST AT SHUTER ST, TORONTO
Tuesday, May 29, 2018 - depart at 4:25 pm
Fastest, car and public transit
MODIFY RETURN TRIP NEW TRIP

Available Trip Options
4:30 pm - 5:21 pm 51 min
TTC $3.00*

Rail~Volution – October 23rd 2018
Road, Car, parking integration
Shared mobility integration on Bikeshare/carshare/parking
Mobility On Demand integration

4:55 pm  Actuamires - Port 4741
SA vers Gares
This travel segment requires booking: More info

5:12 pm  Gare LE HAVRE
24em  9min

5:22 pm  Gare LE HAVRE

5:29 pm  Place Jenner LE HAVRE
11em  < 1 min

5:34 pm  Place Jenner LE HAVRE

5:47 pm  Rosielles LE HAVRE
62em  10min

5:57 pm  CHEMIN DES SOURCES LE HAVRE
Walk  Transport on demand  Streetcar  Bus

Start  Stop over  End
Read time  Stop / station
- Transport on demand - Walk
Intermodal Information/Booking/Payment
Integrated Mobility IDF
Greater Paris Area

Excellence in Mobility information to reduce reliance in single occupancy vehicles

- Real-time and predictive information, all modes including tracking of connected and crowdsourced individual vehicles
- Multimodal real-time and predictive trip planner with personal multimodal GPS guiding
- Mobile smartphone apps interfaced with embedded vehicle communication systems
- A one-of-a-kind project computing more than 1 billion data daily

A 4 year project aimed to prepare Paris Greater Area for congestion challenges and the upcoming 2024 Olympic Games
M2i - Integrated Mobility Ile-de-France

NEW DATA
- Existing data
- Crowdsourcing on PT and road
- Travel time reliability and real time timetables at stops
- Predictive information on all modes

MOBILITY PORTAL

UNIQUE SERVICES
- Predictive and multimodal GPS, with an interface within car systems, including dynamic car pooling
- Tourist Navigator
- Mobility advisor tool Public policy evaluation tool on passenger and freight
- Networks optimisation through predictive information

Using users to enrich the mobility data
Unequaled reliability of travel times and real-time information

All mobility data of Ile de France, hundreds of million data/day: the biggest mobility data store in the world

First European or world trials Using the best and most reliable information services
Thank you for your attention