Project progress

- Contract signed with the winning consortia on April 12, 2018
- **Project office** set up for the REM
- NouvLR is at the intensive planning stage
  - Design-build
- Preparatory work has been carried out in the field since March 2018
- Summer 2018: work will actively start on **all branches**
Québec’s largest public transit project in the last 50 years

- **A linear project** – a 67-km route almost as long as the Montréal metro
- **Many different trades** – nearly 34,000 jobs during the construction
- **Coordination with 11 municipalities, 8 boroughs and 5 public transit organizations** – project office with more than 1,000 experts
A project involving several partners

Project Realization

- Infrastructure engineering, procurement and construction
- Rolling stock, systems and operation and maintenance services

Project Integration

- Mobilité Montréal committees
- Work impact management committees
- Coordination committees – government departments, municipalities and partners
- Coordination committees – ARTM and transit authorities

More than 20 work planning and monitoring committees
Overview of the work

- Implementation of a new technology: automated electric light rail on fully dedicated lines (dedicated corridor)
  - Construction of Rive-Sud, airport and Sainte-Anne-de-Bellevue branches
  - Conversion of the route to accommodate a light rail on the Deux-Montagnes line
    - Crossings closed
  - Modernization of the Mont-Royal Tunnel
  - Construction of three connections to the metro (McGill, Édouard-Montpetit and Bonaventure) and an intermodal station (Correspondance A40)
- Construction of 26 REM stations
  - Enclosed and weatherproof station buildings, and designed for universal access
Ground-level station
Elevated station
1. SOUTH SHORE
Legend

Work in progress in the indicated period

Work continuing in the indicated period

Work with significant impacts
Preparatory work along the entire route
- Geotechnical surveys
- Location and relocation of public and municipal services

Reconfiguration of Highway 10

Construction of the elevated structure on Highway 10, the terminal station and De Rome Blvd.

Preparatory work on Marc-Cantin Street

Preparatory work on CN/Malo/Leduc

Preparatory work on Highway 10 median
Summer 2018

Reconfiguration of Highway 10

Target area
Summer 2018

Reconfiguration of Highway 10

Maintaining two lanes in each direction
Summer 2018

CN/Malo/Leduc construction

Target area
Summer 2018

Construction of a structure above the CN track (Malo/Leduc)

Coordination with Ville de Brossard
Construction of Lachine Canal bridge

Relocation of Marc-Cantin Street

Construction of elevated Pointe-Saint-Charles structure

Construction of temporary Panama terminal

Set up an exit ramp from Highway 10 to Taschereau Blvd.

Construction of temporary access ramp at Lapinière Blvd.

Preparatory work on Highway 10 median

Construction of Du Quartier Station

Construction of the elevated structure on Highway 10, the terminal station and De Rome Blvd.

<table>
<thead>
<tr>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. to April</td>
<td>Jan. to April</td>
</tr>
<tr>
<td>May to Aug.</td>
<td>May to Aug.</td>
</tr>
</tbody>
</table>
2018
Jan. to April
May to Aug.
Sept. to Dec.

2019
Jan. to April
May to Aug.
Sept. to Dec.

Construction of REM Panama terminal
Demolition of Chevrier tunnel
Construction of structure above CN/Malo/Leduc
Construction of Station Du Quartier
Preparatory work on Highway 10 median
Relocation of Marc-Cantin Street
Construction of elevated Pointe-Saint-Charles structure
Construction of Lachine Canal bridge
Construction of De la Commune bridge
Construction of the elevated structure on Highway 10, the terminal station and De Rome Blvd.
Construction of REM structures and tracks in Highway 10 median

Prep. work on Gare Centrale

Construction of Île-des-Sœurs Station

Construction of bridge over Île-des-Sœurs Channel

Construction of Station Panama

Construction of Montée Gobeil artwork

Construction of Station Du Quartier

Construction of the elevated structure on Highway 10, the terminal station and De Rome Blvd.
Summer 2018

Maintenance of preferential bus accesses
Small stretch of reserved lane removed

To Champlain Bridge

To South Shore
Several scenarios under study for the trip home

- 2019
- New access ramp for Chevrier terminal
- Chevrier tunnel closure

- To Champlain Bridge
- To South Shore

- Future REM terminal
- Temporary terminal
- Leduc Blvd.
- Milan Blvd.
- Lapinière Blvd.
- Taschereau Blvd.
- Pellefier Blvd.
- Chevrier terminal

- 132
- 30
- 10

- Several scenarios under study for the trip home
Several scenarios under study for the trip home

New access ramps for the Chevrier and Panama terminals
Highway 10 middle lane closed off for the work
2. MCGILL AND ÉDOUARD-MONTPETIT
Summer 2018

Excavation and construction of future REM entrance structure

Coordination with Ville de Montréal and Université de Montréal
Construction of future connection – obstruction on McGill College
Coordination with Ville de Montréal and the STM
3. DEUX-MONTAGNES LINE
Construction of a temporary workshop for the Deux-Montagnes trains

Reconfiguration of Cornwall bridge

Preparatory work along the entire route:
- Geotechnical surveys
- Location and relocation of public and municipal services
Construction of a temporary workshop for the Deux-Montagnes trains

2018
Jan. to April
May to Aug.
Sept. to Dec.

2019
Jan. to April
May to Aug.
Sept. to Dec.

Construction of a temporary garage for the Mascouche trains

Construction of Mont-Royal Station

Excavation of Édouard-Montpetit Station

Reconfiguration of Cornwall bridge

Construction of Station Canora

Station Canora
Construction of temporary platforms at Du Ruisseau

Reconstruction of Henri-Bourassa bridge (summer 2019)

Construction of temporary garage for the Mascouche trains

Construction of A40 Station

Construction of Mont-Royal Station

Reconfiguration of Cornwall bridge

Reconstruction of Côte-Vertu bridge (summer 2019)

Construction of Canora Station

Reconstruction of CP bridge

Switch installation in Mont-Royal tunnel

Excavation of Édouard-Montpetit Station

Excavation of Station McGill via McGill College Avenue

<table>
<thead>
<tr>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. to April</td>
<td>Jan. to April</td>
</tr>
<tr>
<td>May to Aug.</td>
<td>May to Aug.</td>
</tr>
</tbody>
</table>
Construction of two new railway bridges

<table>
<thead>
<tr>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. to April</td>
<td>Jan. to April</td>
</tr>
<tr>
<td>May to Aug.</td>
<td>May to Aug.</td>
</tr>
</tbody>
</table>
April 2018

Work mainly done on weekends (Friday night to Monday morning)

Alternative service for some stations (Friday evening to Monday morning)
June 2018

Work during the week – south segment closed off

Change to Deux-Montagnes and Mascouche schedules

Deux-Montagnes: two departures in the morning / one departure in the evening removed
(from or to the stations on the Island of Montréal)
Work during the week – north segment closed off

Change to Deux-Montagnes and Mascouche schedules

Deux-Montagnes: two departures in the morning / one departure in the evening removed
(from or to the stations on the Island of Montréal)

Construction of south portion of Canora and Mont-Royal Stations
Construction of south and north portions of Canora and Mont-Royal Stations
Construction of Édouard-Montpetit and McGill Stations
New switch to be built
Work during the week – north segment closed off (extension)

Change to Deux-Montagnes and Mascouche schedules

Deux-Montagnes: two departures in the morning / one departure in the evening removed (from or to the stations on the Island of Montréal)
Early 2020

Intensive work – stretch from Du Ruisseau to Central Station closed off

Alternative transit solutions required
4. AIRPORT AND WEST ISLAND
Preparatory work along the entire route
  - Geotechnical surveys
  - Location and relocation of public and municipal services

Demolition of Doney branch

Geotechnical investigations and studies

Relocation of public utilities (Alfred-Nobel Blvd.)

Surveying

<table>
<thead>
<tr>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
</table>
Preparatory work along the entire route
- Geotechnical surveys
- Location and relocation of public and municipal services

Lay foundation for continuous elevated structure (on the whole branch)

Excavation at the Technoparc

<table>
<thead>
<tr>
<th></th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>2019</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>Jan. to Apr</td>
<td>May to Aug.</td>
<td></td>
</tr>
<tr>
<td>Sept. to Dec</td>
<td>Jan. to Apr</td>
<td></td>
</tr>
<tr>
<td></td>
<td>May to Aug.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sept. to Dec</td>
<td></td>
</tr>
</tbody>
</table>
Elevated structure – prefab parts
Airport tunnel
MAINTAINING MOBILITY
Process for coordinating public transit mitigation measures

Approval and communication

Strategic component

Technical
Design and implementation of technical solutions

Steering Committee
REM / MTMDET / ARTM

Coordination Committee
ARTM / REM / RTL / RTM / STL / STM
MTMDET / Cities

NouvLR

Service planning
Vehicle acquisitions
Priority bus measures
Terminal facilities
Customer communication and experience
Rail service
Public transit mitigation measures for Phase 1-a (April 27, 2018)

<table>
<thead>
<tr>
<th>Description des mesures</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTM</td>
</tr>
<tr>
<td>• Express 400 bus “Grand-Moulin / Deux-Montagnes / Montmorency”</td>
</tr>
<tr>
<td>• Friday evenings and weekends</td>
</tr>
<tr>
<td>STL</td>
</tr>
<tr>
<td>• Addition of a collective taxi line to serve Île-Bigras train station, to line 26 and Montmorency metro station</td>
</tr>
<tr>
<td>STM</td>
</tr>
<tr>
<td>• “Trainbus 968” temporary shuttle between Côte-Vertu metro station and Sunnybrooke and Roxboro-Pierrefonds train stations</td>
</tr>
<tr>
<td>• Line “470 Express Pierrefonds”, between Côte-Vertu metro station and Fairview Terminus</td>
</tr>
</tbody>
</table>

These services will be offered on Friday evenings, as well as Saturdays and Sundays.

In addition to the existing STL and STM services in the areas of the affected stations.
## Public transit mitigation measures for Phase 1-a (April 27, 2018)

<table>
<thead>
<tr>
<th>Customer</th>
<th>Before</th>
<th>After</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Took the DM train Friday evening and/or on the weekend from Deux-Montagnes to downtown Montréal</td>
<td>RTM bus – Laurentides (or RTM shuttle) + Montmorency metro</td>
</tr>
<tr>
<td>B</td>
<td>Took the DM train Friday evening and/or on the weekend from Laval to downtown Montréal</td>
<td>STL bus + Montmorency metro</td>
</tr>
<tr>
<td>C</td>
<td>Took the DM train Friday evening and/or on the weekend from the West Island to downtown Montréal</td>
<td>STM bus + Côte-Vertu metro</td>
</tr>
<tr>
<td>D</td>
<td>Took the MA train Friday evening to go back to the North Shore Took the MA train Friday evening to go back to the east part of Montréal Island</td>
<td>Metro + RTM bus – Les Moulins or l’Assomption Metro + STM bus</td>
</tr>
<tr>
<td>Measures description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RTM 400</strong></td>
<td>Serving the Deux-Montagnes and Grand-Moulin stations to the Montmorency metro station</td>
<td></td>
</tr>
<tr>
<td><strong>STL Collective taxi</strong></td>
<td>Serving Île-Bigras train station to line 26 and Montmorency metro station</td>
<td></td>
</tr>
<tr>
<td><strong>STM 968</strong></td>
<td>Serving Roxboro-Pierrefonds and Sunnybrooke train stations to Côte-Vertu metro station</td>
<td></td>
</tr>
</tbody>
</table>
### Fare measures for Phase 1-a (April 27, 2018)

<table>
<thead>
<tr>
<th>Target clientele</th>
<th>OPUS+ membership</th>
<th>Monthly</th>
<th>Occasional</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Holders of an annual DM and MA TRAIN pass</td>
<td>Holders of a monthly DM and MA TRAIN pass</td>
<td>Occasional DM or MA train users (weekend)</td>
</tr>
<tr>
<td>Customer already has a pass</td>
<td>Customer already has a pass</td>
<td>Customer has not yet purchased a pass</td>
<td></td>
</tr>
<tr>
<td>Solution</td>
<td>“TRAM 8 multi-month unlimited weekend” pass valid until September 30 at no additional cost on a chip card</td>
<td>“TRAM 8 unlimited weekend” pass valid for one weekend only on an occasional chip card ($13.75)</td>
<td></td>
</tr>
</tbody>
</table>
Approach with the public

Objective: Regularly and proactively provide complete information before the work

- Community Relations Office in place and in the field as of May 2018

For residents affected by the work:

- Neighbourhood campaigns to inform residents affected by the upcoming work
- Targeted meetings
- Neighbourhood committees

For public transit users:

- Information campaign

Ongoing public information activities
Bâtir un réseau pour le Grand Montréal

REM.info

Carte interactive

Alerte SMS (info-travaux)

Infographie

 Médias sociaux

Infolettre

Plateformes des partenaires

Facebook
Twitter
YouTube
LinkedIn

INFO-TRAVAUX
RADIO CIRCULATION 730 AM
MOBILITÉ MONTREAL
 Québec 511
Waze
Solutions for the Deux-Montagnes line

Innovation forum with mobility partners

FALL 2018

Focus groups to find solutions

Objective: Find innovative solutions together with all the actors concerned