

Presentation begins: 6:30 p.m.

**If you have any questions about
the project, visit rem.info/en**



Deux-Montagnes Station



Réseau express métropolitain

Virtual Information Meeting –
Deux-Montagnes

February 24, 2021

Réseau
express
métropolitain



Agenda



- Background
- The REM in Deux-Montagnes
- Upcoming work in 2021
- Permanent noise barriers
- Communication tools
- Question and answer period



Background

Réseau express métropolitain



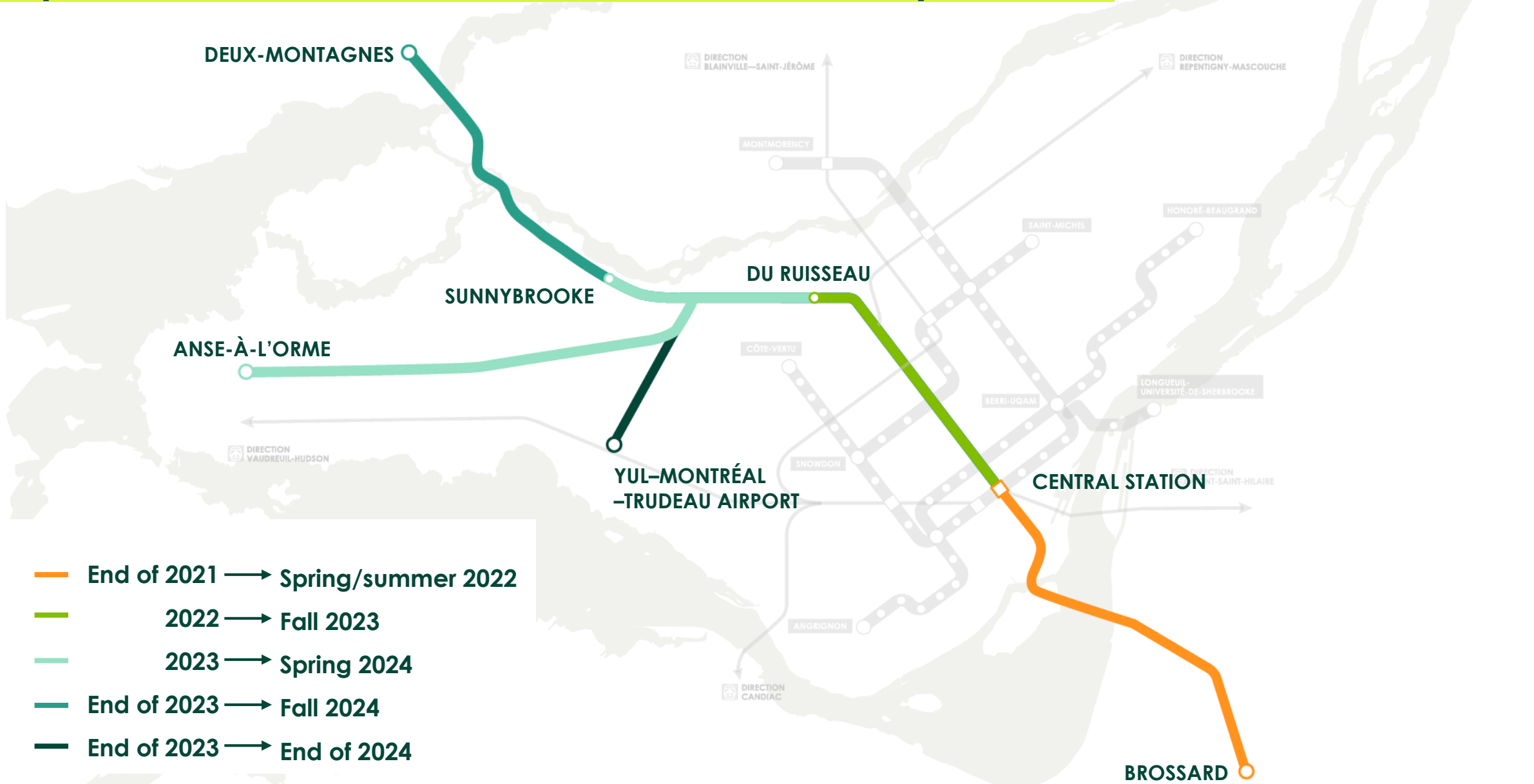
Largest public transit project in Québec in the last 50 years

Light rail
100% electric
and automated

26 stations, 67 km

Updated project schedule

Impact of COVID-19 and issues in the Mont-Royal Tunnel



The first cars unveiled





The REM in Deux-Montagnes

Station architecture



Lines to suggest **movement**

Glass for its **transparency**
and natural light

Wood for its **warmth** and
as a hallmark

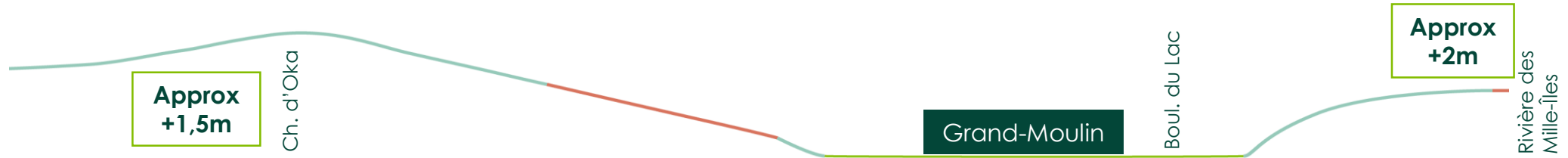
Blue to underscore the
proximity of the Rivière des
Prairies



Grand-Moulin sector

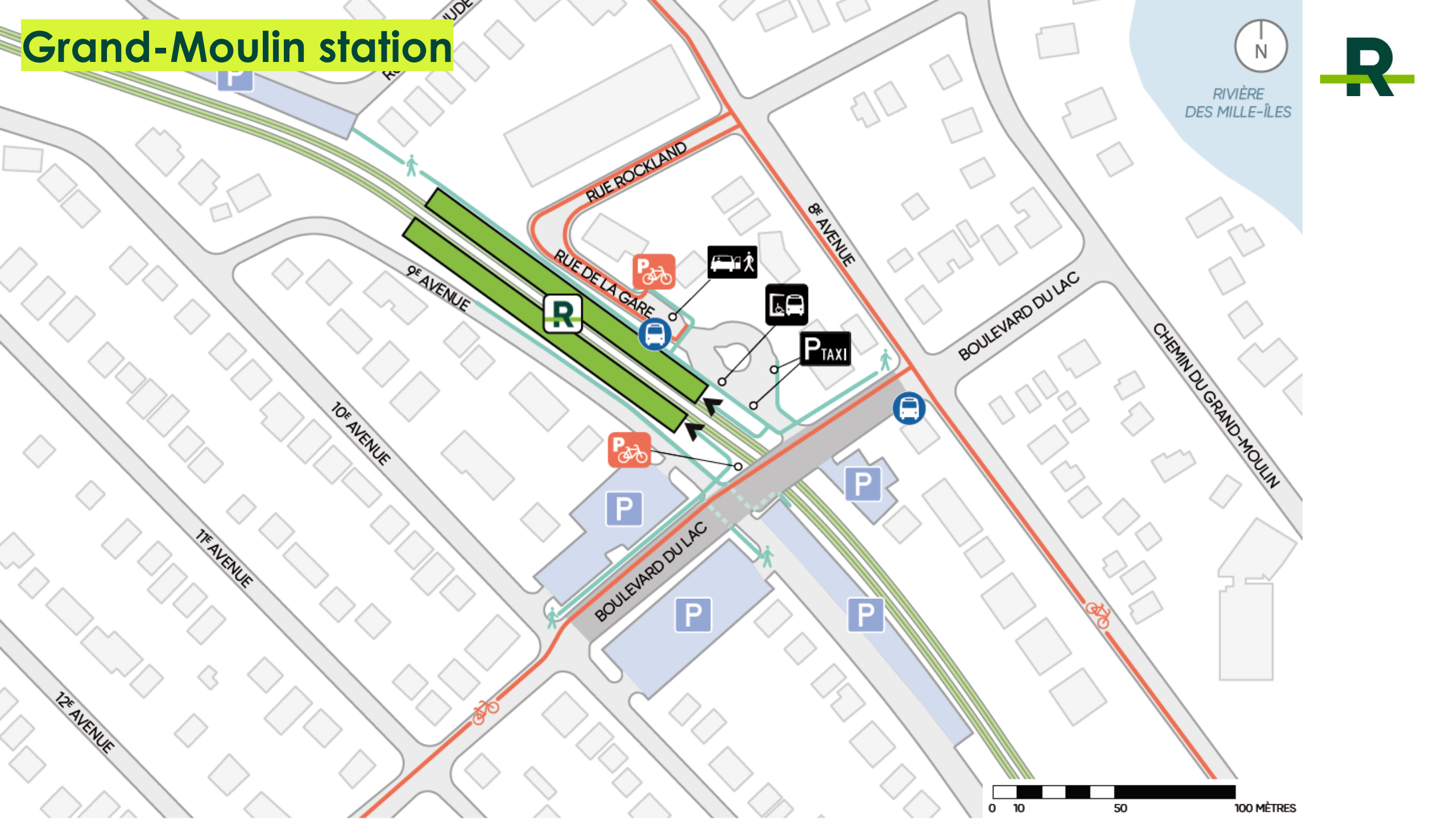


-  - REM route
-  - Elevated section
-  - Retaining wall
-  - Embankment



For information purposes

Grand-Moulin station



RIVIÈRE
DES MILLE-ÎLES





Grand-Moulin station



For information
purposes

Deux-Montagnes sector

Station Deux-Montagnes

Boul. Deux-Montagnes

Rue Henri-Dunant

Chemin d'Oka

- REM route
- Elevated section
- Retaining wall
- Embankment

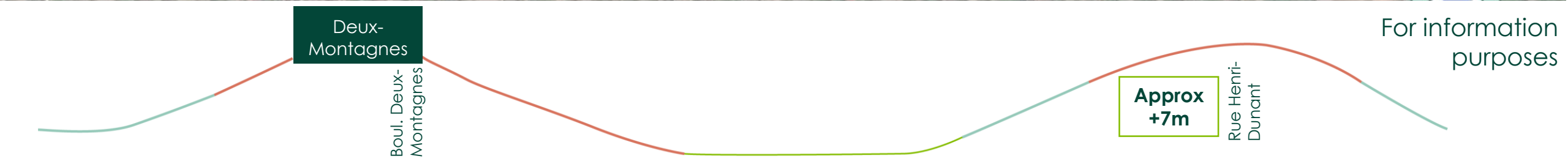
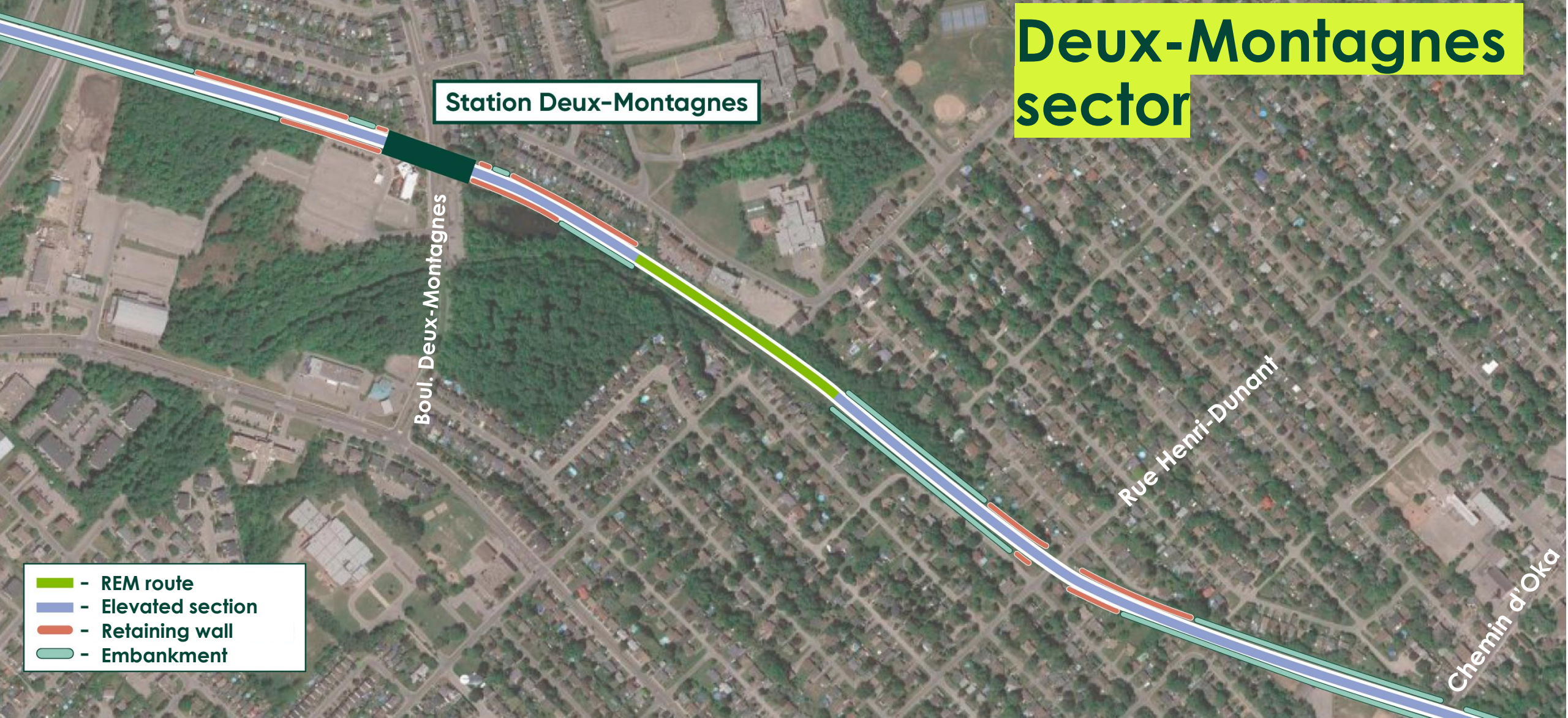
Deux-Montagnes

Boul. Deux-Montagnes

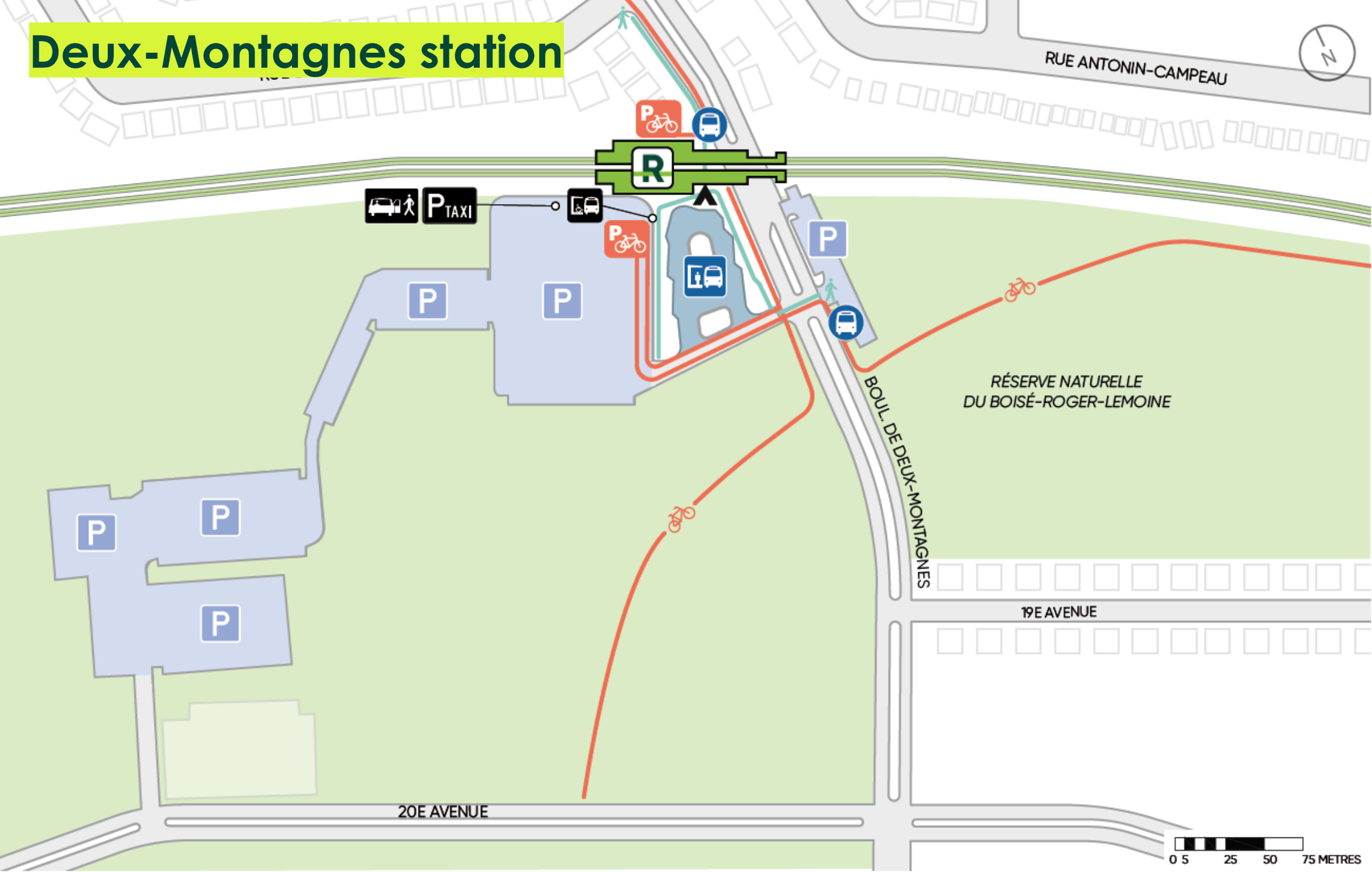
Approx +7m

Rue Henri-Dunant

For information purposes



Deux-Montagnes station



Deux-Montagnes station



For information
purposes

Deux-Montagnes station



For information
purposes

Reforestation programs



**Temporary work
areas**

**Same number of
trees + 10 %**

In Deux-Montagnes

**REM permanent right
of way**

**7 000 trees for the
whole project**

GHG Offsetting

**Planting of 243,000
trees**

250,000 trees total



Upcoming work 2021

- Along the railway right-of-way
- Railway bridges
- Grand-Moulin sector
- Deux-Montagnes sector



Station Deux-Montagnes

Along the railway right-of-way

Station Grand-Moulin

Along the railway right-of-way

Vegetation cuts – since end of January 2021

- Work required to make way for REM infrastructure, mainly :
 - Doubling of the railway track
 - Construction of the stations
 - New road links (boulevard du Lac)
 - Change of the right-of-way fence

Every effort is made to cut as little vegetation as possible

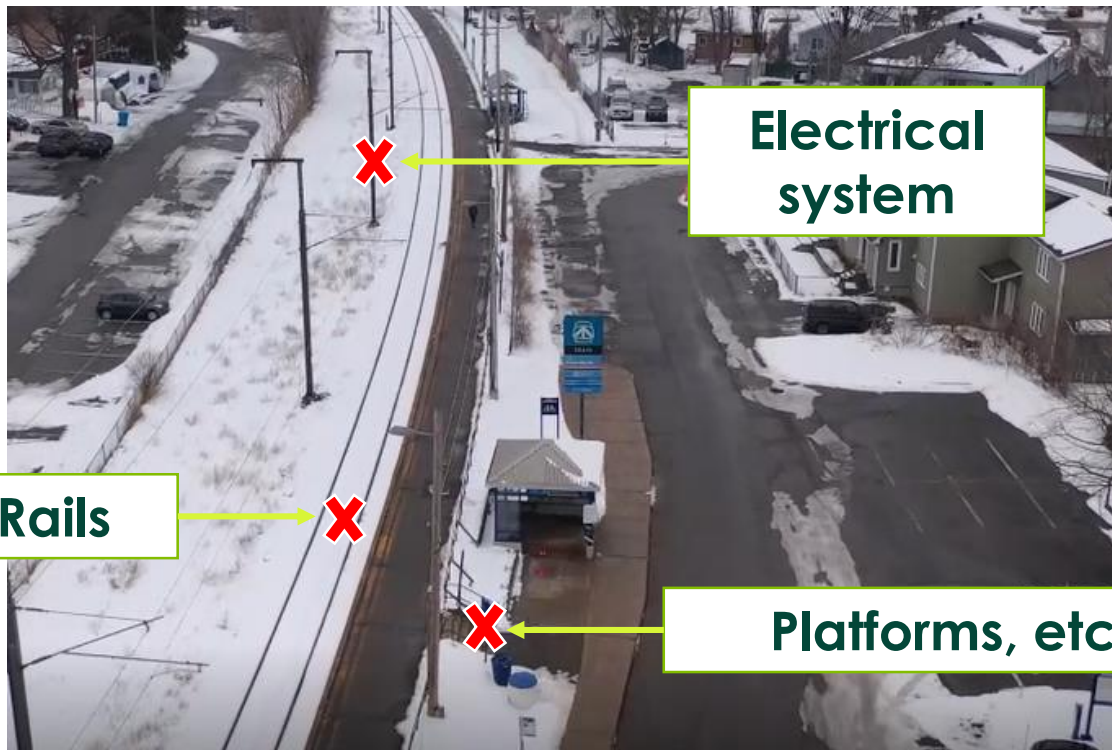
Along the railway right-of-way



Removal of existing infrastructure – since February 2021

- Removal of the electrical system, rails, platforms, etc.

- Dismantling of the existing fence
- Installation of the new intrusion-control fence at the limit of the railway right-of-way



New intrusion-control fence

Along the railway right-of-way

Reconstruction and doubling of the railway track – starting April 2021

- Excavation
- Drainage work
- Gradual installation of the new infrastructure
- Reconstruction of railway tracks



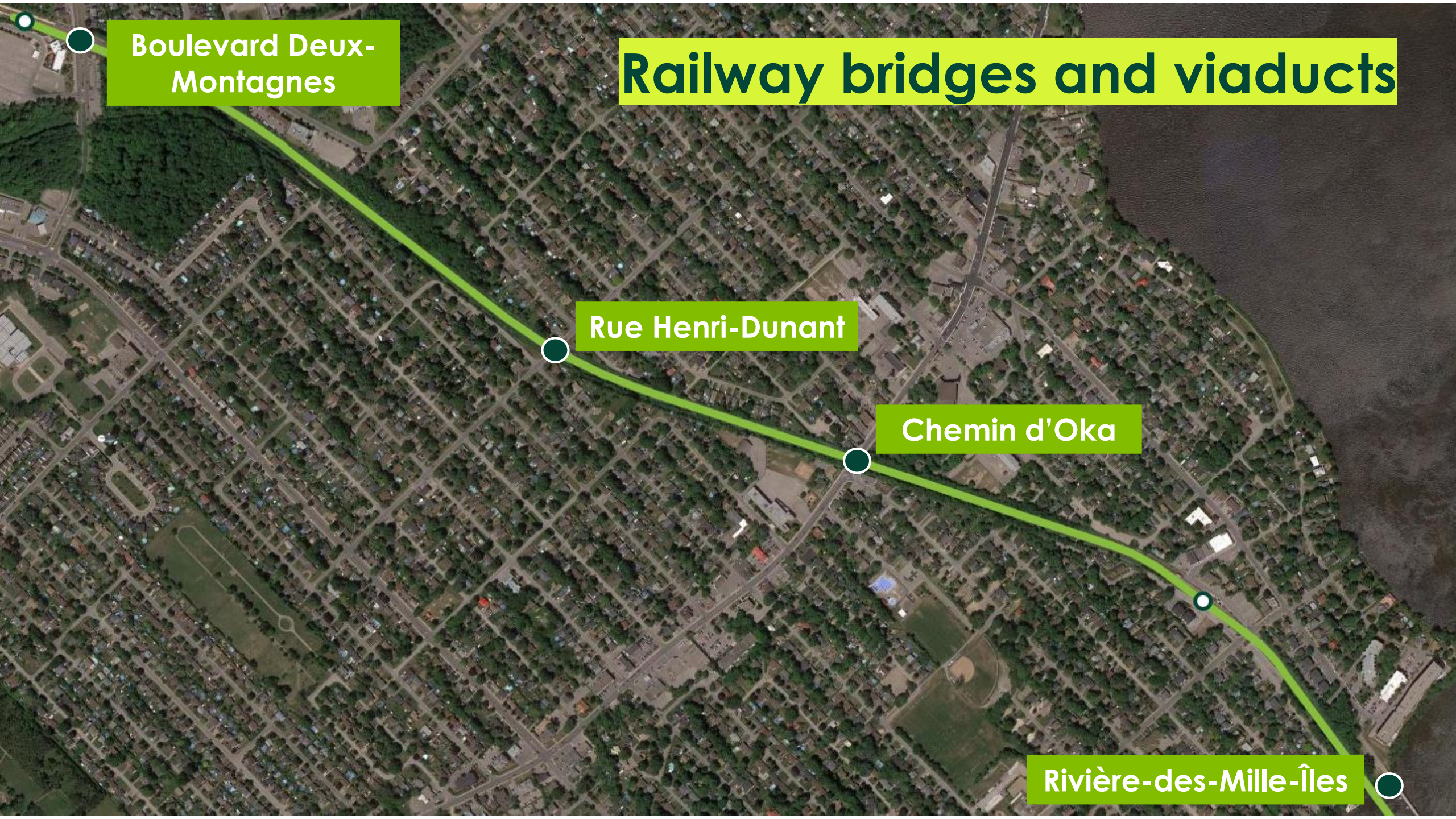
Railway bridges and viaducts

Boulevard Deux-Montagnes

Rue Henri-Dunant

Chemin d'Oka

Rivière-des-Mille-Îles



Rivière-des-Mille-Îles railway bridge

Construction from the existing bridge – since February 2021

- Partial demolition of the existing bridge
- Installation of the foundations (caissons) of the new bridge
- Transport of the material via Laval (1 68 beams)
- Interference to marine navigation under the bridge during the works



**Machinery used
during the work**

Chemin d'Oka



Demolition and reconstruction of the railway viaduct

- Demolition of the existing viaduct - mid-February 2021
- Reconstruction and doubling of the viaduct - once work on Boulevard du Lac is completed
- Clearance under the new viaduct increased to 5.3 metres



Henri-Dunant Street



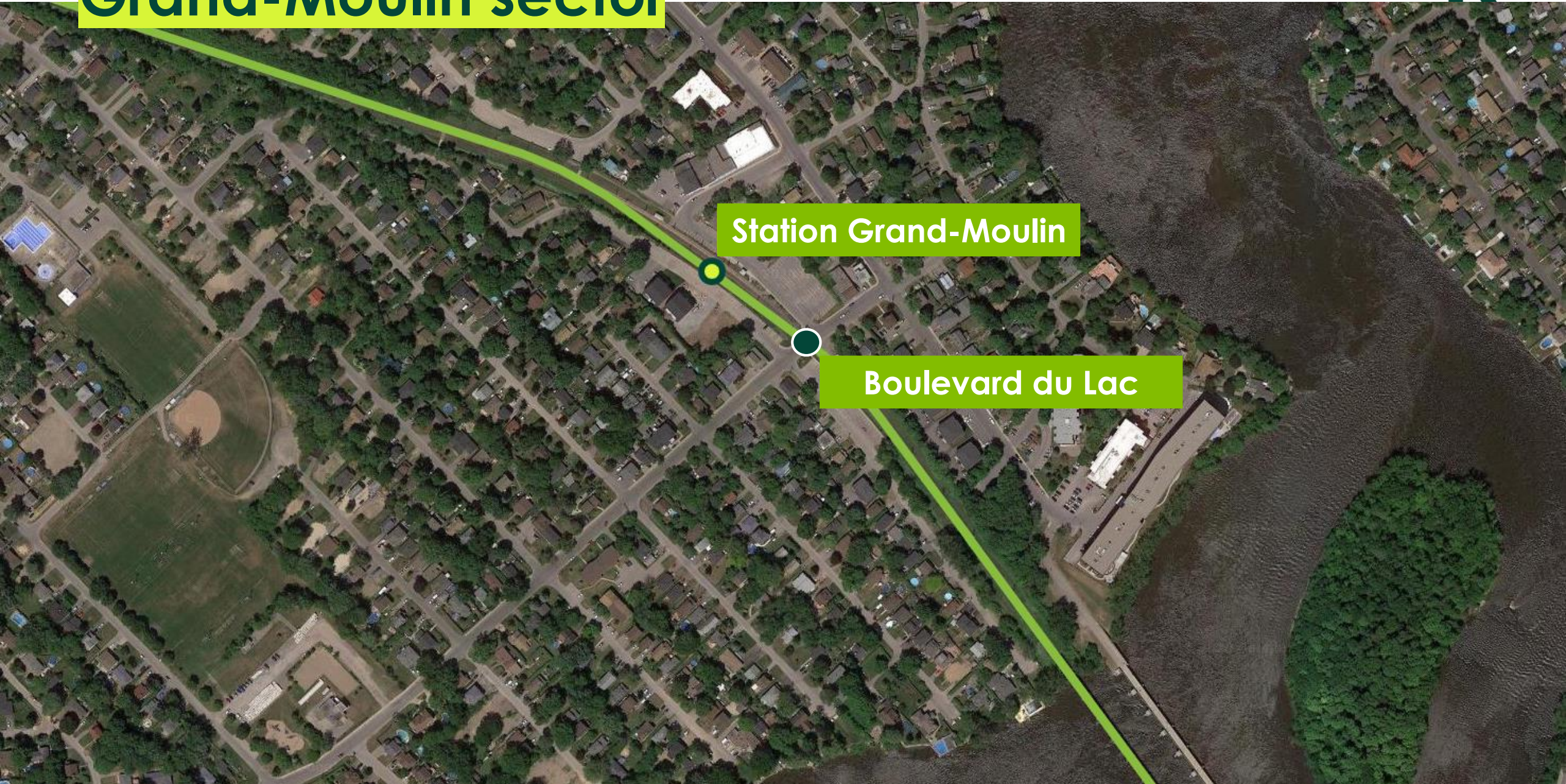
Reconfiguration of the railway track into an elevated structure – as of May 2021

- REM will circulate over Henri-Dunant Street
- Progressive elevation and descent
- Maximum height above Henri-Dunant Street: approximately 7 meters



Avenue O'Brien, Montréal – for information purposes

Grand-Moulin sector



Station Grand-Moulin

Boulevard du Lac

Boulevard du Lac – Conversion to a road overpass bridge

Work resumes at the end of February 2021

- Relocation of public utilities between 8th and 10th Avenue
- Construction of the overpass (foundations, deck, retaining wall)
- Closure of Boulevard du Lac (detour by chemin d'Oka) - as of May 2021

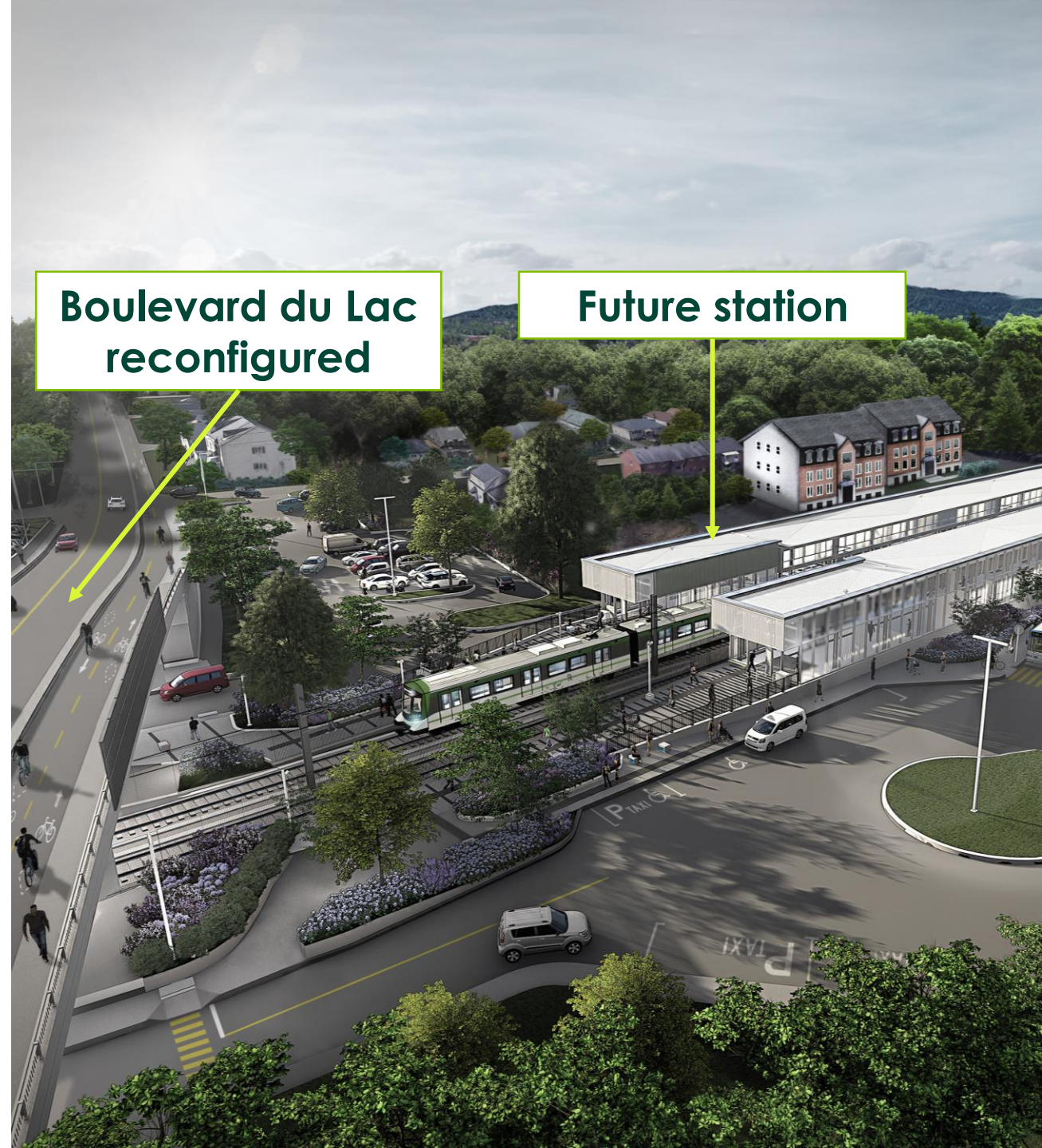
**Boulevard du Lac
reconfigured**



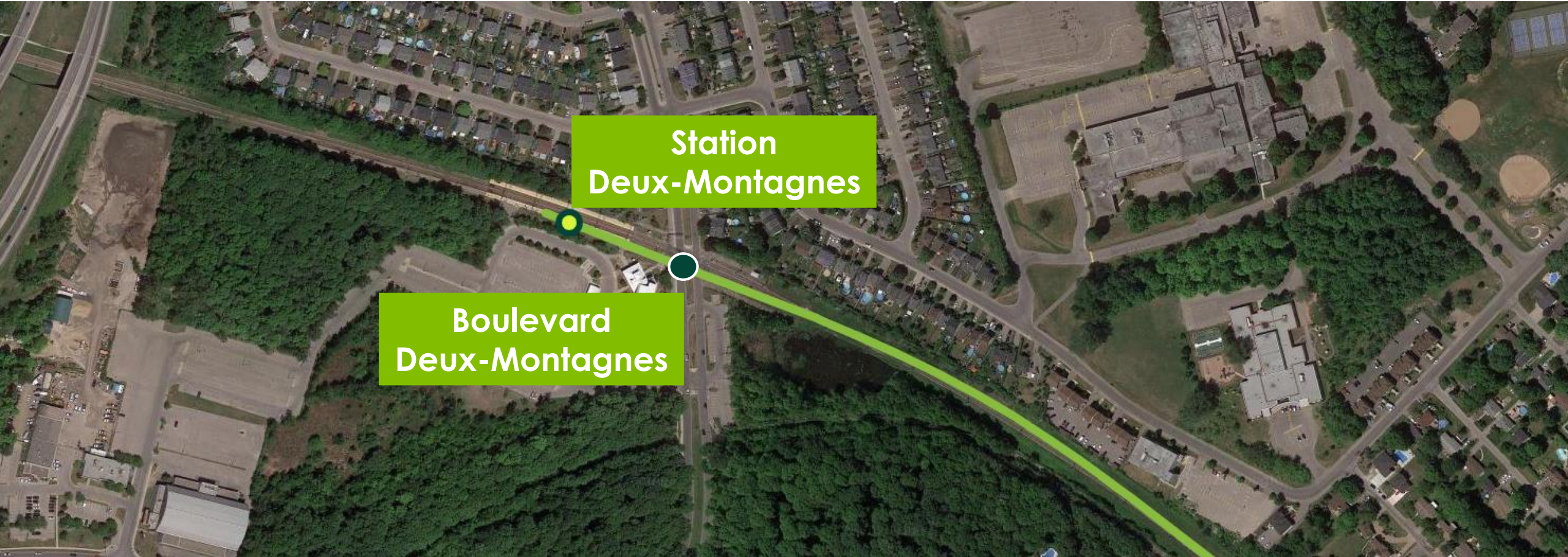
Grand-Moulin Station

Construction of the station - as of March 2021

- Excavation of rock
- Foundations of the future station
- Installation of underground services (plumbing, electricity, etc.)



Deux-Montagnes sector



Boulevard Deux-Montagnes

Reconfiguration of the railway track into an elevated structure

- The REM will travel over the Boulevard Deux-Montagnes to reach the elevated station, which will be partly built over the Boulevard.

Work to begin in March 2021

- Excavation
- Construction of the foundations and columns of the elevated structure

Deux-Montagnes
station

Elevated
structure



Deux-Montagnes station



Demolition of existing infrastructure (building, platforms) – done in January-February 2021

Construction of the new bus terminal – starting March 2021

Construction of Deux-Montagnes station

- Beginning of work once the elevated structure is built

Demolition of the existing building completed



Main anticipated impacts in 2021

Presence of a construction site near residential areas

- The work could cause noise, dust and vibrations
- Environmental monitoring (noise, vibration)
- Preventive residential inspections for vibration (before and after the work)

Impacts on mobility

- Complete closures (chemin d'Oka, boulevard du Lac, etc.)
- Detours set up





Permanent noise barriers

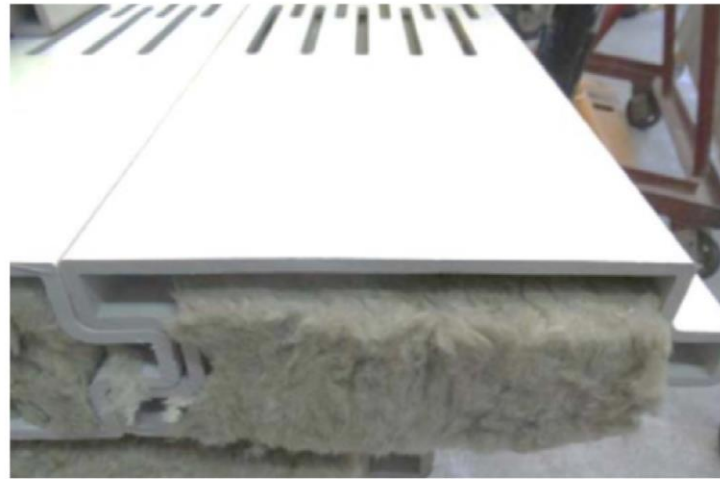
Noise barriers



- Installed at locations where significant impacts were identified by sound modelling
- Exterior: 100% PVC, white
- Interior: acoustic insulation
- Prefabricated panels, installed on steel posts



Côté ferroviaire



Isolant acoustique



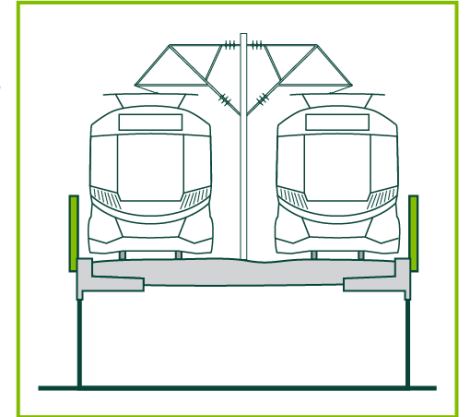
Cross-section



Typical noise barrier, variable height from 1 to 2 metres above foundation

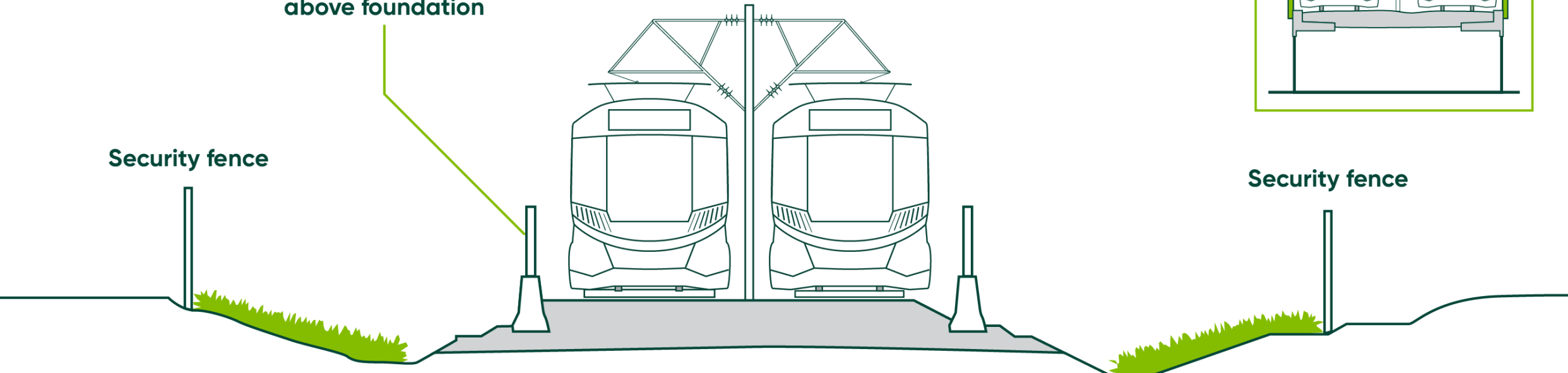
Security fence

Configuration, Henri-Dunant overpass



Security fence

FOR
INFORMATION
PURPOSES



Location of noise barriers



– Location determined using conservative assumptions





Communication tools

For information on upcoming work



For any questions,
suggestions or
complaints

1 833 rem-info or
info@rem.info



Consult our works info
rem.info/en/works-info



Information in one place
rem.info/en/north-shore



Subscribe to newsletters
for your sector
rem.info/en/newsletter



Question and answer period



Live polling

Voting – Question 1



In your opinion, was the information provided on future work clear and complete?

- Yes
- More or less
- No

Voting – Question 2



What would you like more information on? Multiple choices.

- Work near the Grand-Moulin station
- Work near the Deux-Montagnes station
- Work on boulevard du Lac
- New Henri-Dunant et boulevard Deux-Montagnes overpasses
- Noise barriers and sound modelling
- REM stations in general
- REM in operation
- The general progress of the project

Voting – Question 3



What are the best ways to inform the community about REM and the work ahead? Multiple choices.

- REM Newsletter
- REM.info – North Shore Citizen Space
- REM.info – Work info map
- Postal delivery
- Public information meetings
- Committee with the citizens neighbouring the works
- Rem-info phone line and email
- Local Newspapers

Réseau
express
métropolitain

 rem_metro

 REM – Réseau express métropolitain

 REMgrandmtl

 1 833 rem-info
(1 833 736-4636)

 info@rem.info

rem.info/en



A large, dark green, stylized letter 'R' is positioned on the right side of the image. A horizontal bar, colored in a lighter shade of green, passes behind the letter, extending across the width of the page. The 'R' is thick and blocky, with a white cutout in the center of its upper loop.