

Presentation begins: 6:30 p.m.

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



Sainte-Dorothée Station



Réseau express métropolitain

Virtual Information Meeting –
Laval

January 27, 2021

Réseau
express
métropolitain



Agenda



- Background
- The REM in Laval
- Upcoming work in 2021
- Noise barriers
- Communication tools
- Question & answer period



Background

Réseau express métropolitain



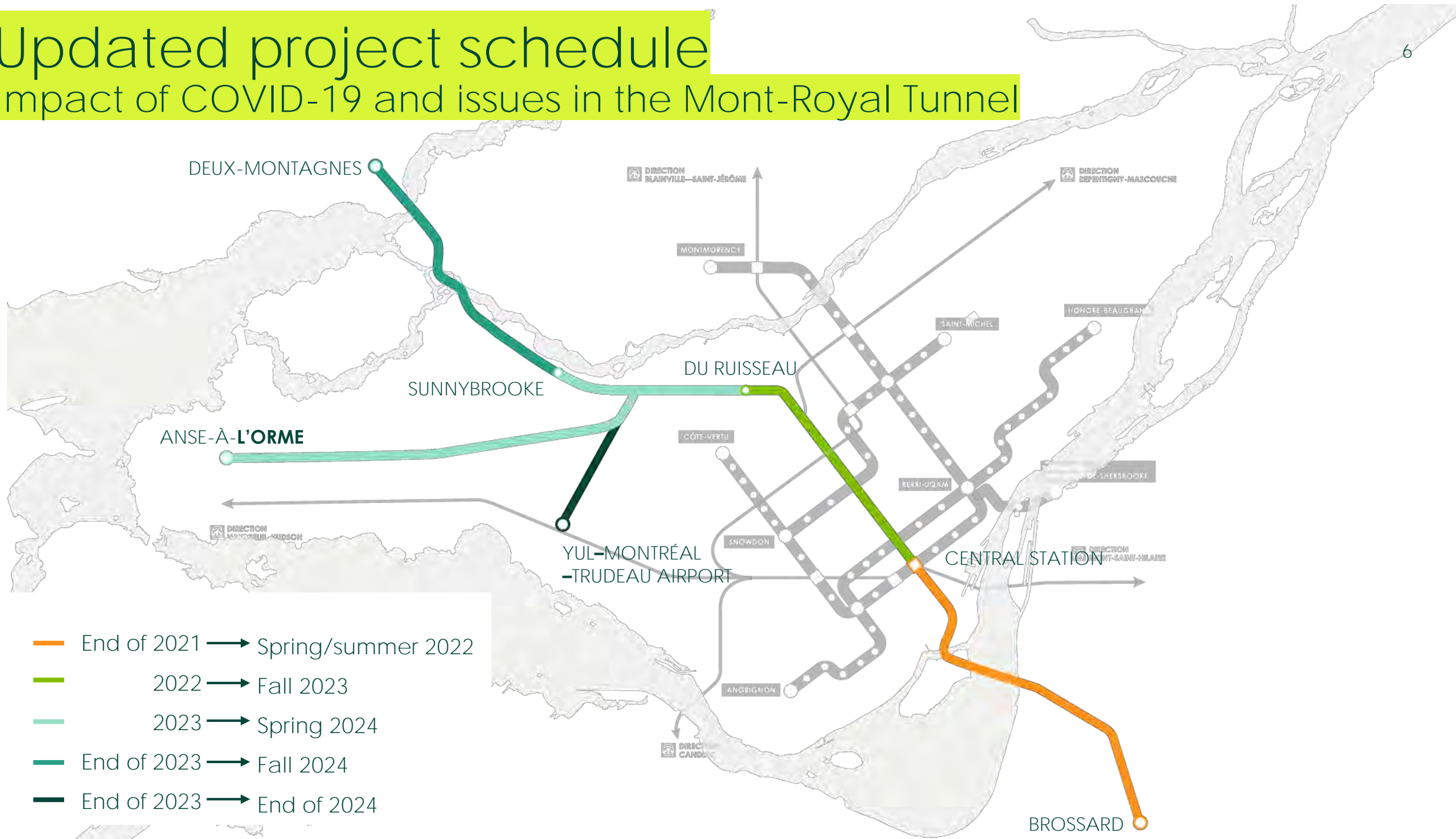
Largest public transit project in Québec in the last 50 years

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 Laval

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



Îles-Laval sector



Île-Bigras station



FOR INFORMATION
PURPOSES

Sainte-Dorothée sector



Sainte-Dorothée station



Laval-sur-le-Lac sector



Les Cèdres Street



Gantry

Embankment

FOR INFORMATION
PURPOSES

Les Érables Street



Elevated railway
tracks

Les Érables Street
Disbursement



FOR INFORMATION
PURPOSES

Google

Along the railway right-of-way

Reforestation programs





Upcoming work 2021

- Along the railway right-of-way
- Railway bridges
- Îles-Laval sector
- Sainte-Dorothée sector
- Laval-sur-le-Lac sector

Along the railway right-of-way



Along the railway right-of-way



Vegetation cuts in the railway right-of-way – starting end of January 2021

- Work required to make way for REM infrastructure
 - Doubling of the railway track
 - Construction of stations
 - New road links
 - Change of right-of-way fence

Every effort will be made to cut as little vegetation as possible

Along the railway right-of-way

Removal of existing infrastructure – starting February 2021

- Removal of the electrical system, rails, platforms, etc.
- Dismantling of the existing fence and installation of the new intrusion-control fence

New intrusion-control fence



Along the railway right-of-way

Reconstruction and doubling of the railway track – starting May 2021

- Excavation and drainage work
- Gradual installation of the new infrastructure
- Reconstruction of railway tracks (ground, embankment or retaining wall, depending on the area)



3 railway bridges

Rivière-des-Mille-Îles

Rivière-des-Prairies 2

Rivière-des-Prairies 1



Rivière-des-Prairies railway bridge 1



Construction of the new bridge –
resumption of work as of March 2021

- North side of the shore (Îles-Laval):
 - Abutment construction (shore portion of the bridge)
 - Installation of the last pierhead
 - Installation of bridge structures (beams, deck)
 - Construction of the retaining wall at the end of the bridge

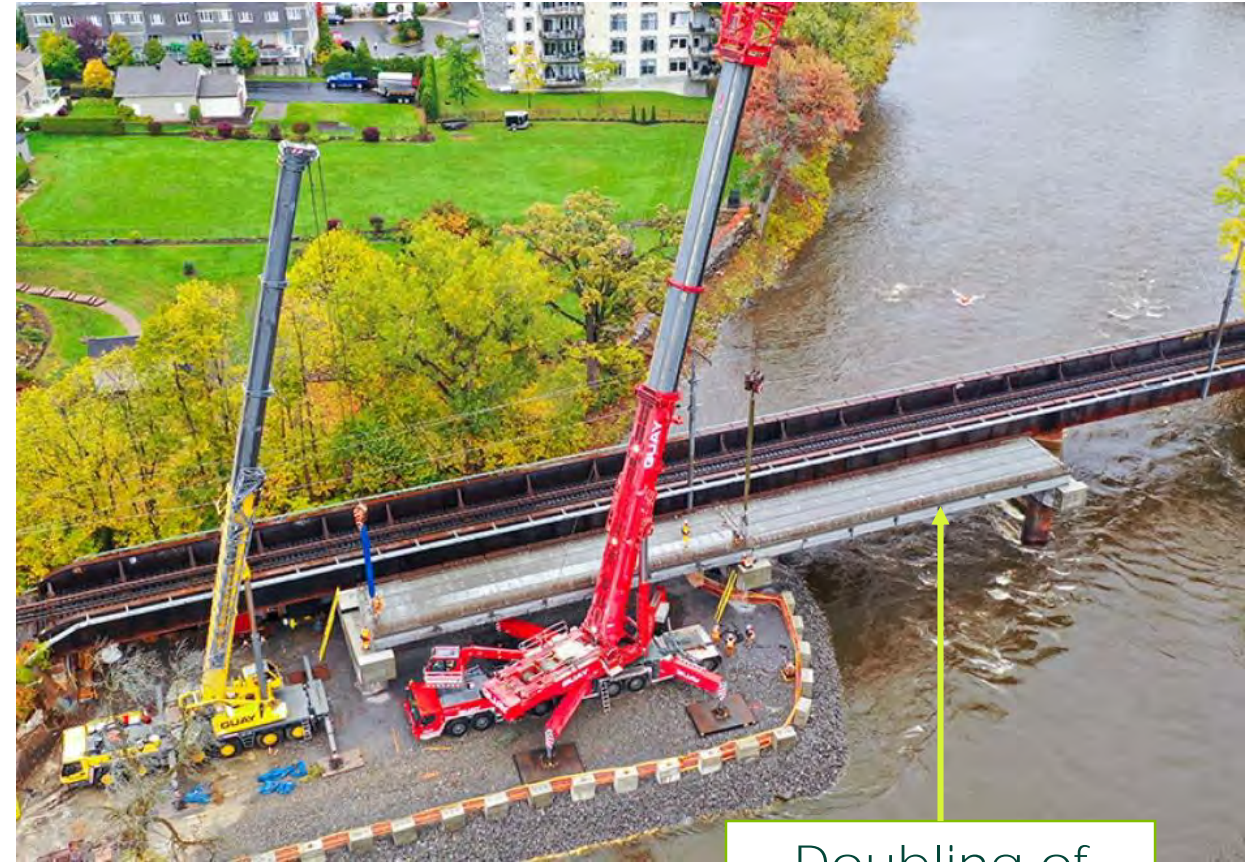


Rivière-des-Prairies railway bridge 2



Doubling of the existing bridge –
resumption of work as of March
2021

- Abutment layout
- Continued installation of the beams
(delivery of the beams to Îles-Laval)



Doubling of
the west side

Rivière-des-Mille-Îles railway bridge

Construction of a new bridge from the existing one – starting February 2021

- Partial demolition of the existing bridge
- Installation of the foundations (caissons) of the new bridge
- Transport of the material via Laval (168 beams)
- Interference to marine navigation under the bridge during the works



Machinery used during the work

Îles-Laval sector

Île-Bigras station

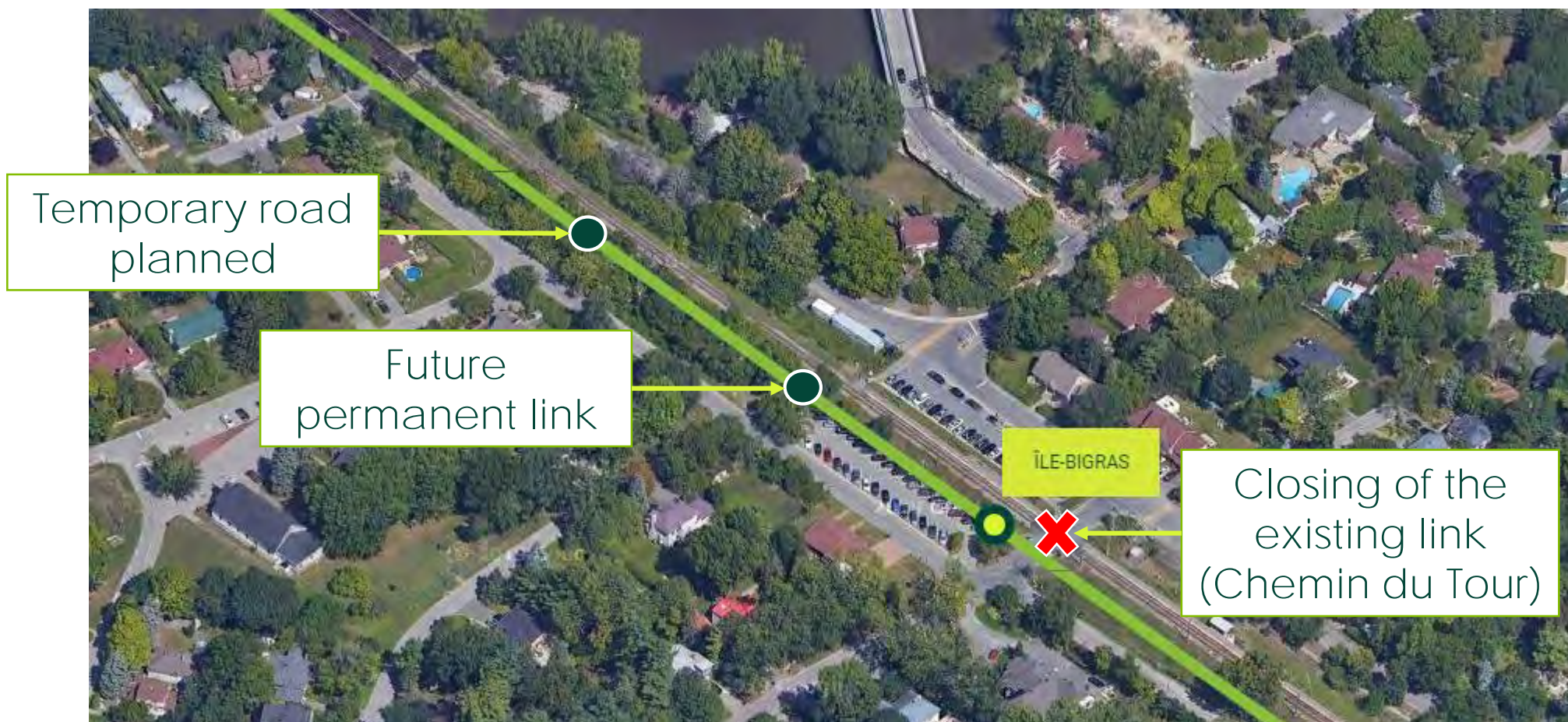


Îles-Laval sector



Construction of a temporary road – starting April 2021

- If necessary, measures to maintain access to Îles-Laval during high water periods



Îles-Laval sector



Other work in 2021

- Construction of the Île-Bigras station (excavation, foundations)
 - starting May 2021
- Construction of the new permanent link adjacent to the station, between Chemin du Tour and Chemin du Bois
- Conversion of the existing embankment into a retaining wall, in some places



Sainte-Dorothée sector



Graveline Street

Sainte-Dorothée station

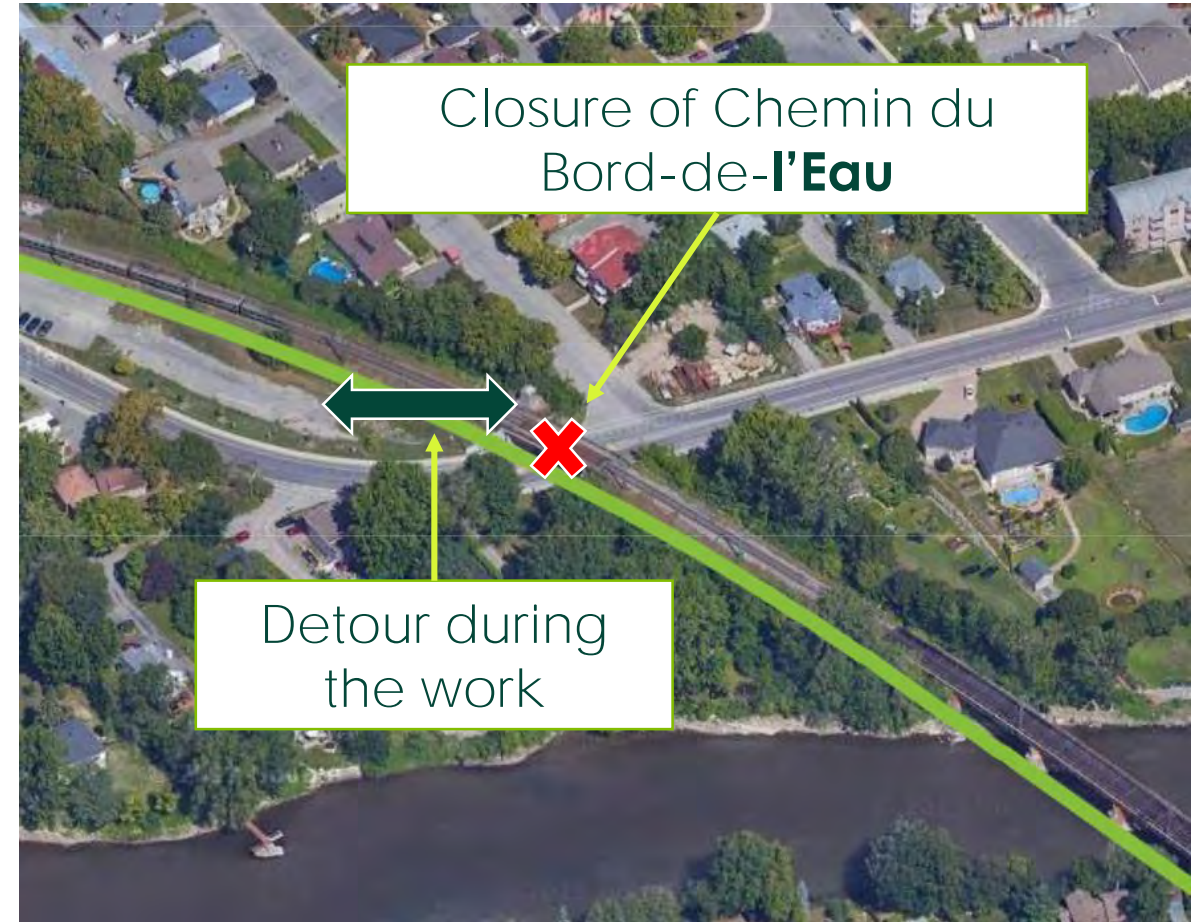
Chemin du
Bord-de-l'Eau

Chemin du Bord-de-l'Eau



Reconstruction and doubling of the existing railway viaduct – starting May 2021

- Chemin du Bord-de-l'Eau closed during the reconstruction work
- Adjacent detour road built



Road reconfigurations



Starting Spring of 2021:

1. Levelling of Avenue des Bois to pass under the REM
2. Removal of the Chemin-de-Fer / Avenue des Bois intersection
3. Connection of the new Chemin-de-Fer Street and Des Bois Avenue, further north
4. Reconfiguration of Terrasse de Fontenelle into a dead-end

Sainte-Dorothée station

Construction of the Sainte-Dorothée station – Starting June 2021

- Excavation work
- Construction of foundations, etc.

Continuation of work on parking lots around the station



Laval-sur-le-Lac sector



Les Cèdres Street



Raised railroad track to span the entrance to the golf course

- Gradual rise and fall, about 580 metres total
- Maximum height above Les Cèdres Street: approximately 5.4 metres, including a 4.5-metre clearance under the structure)
- The majority of the raised structure will be covered by a sloping vegetated embankment to mitigate its presence in the environment



Laval-sur-le-Lac sector

Work starting May 2021:

- Closure of Les Cèdres Street
- Construction of an adjacent temporary detour road
- Excavation work
- Construction of the gantry



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

- Transportation of material (e.g. delivery of beams)
- Complete closures (Chemin du Tour, Chemin du Bord-de-l'Eau, Les Cèdres Street)
- Detours set up





Noise barriers

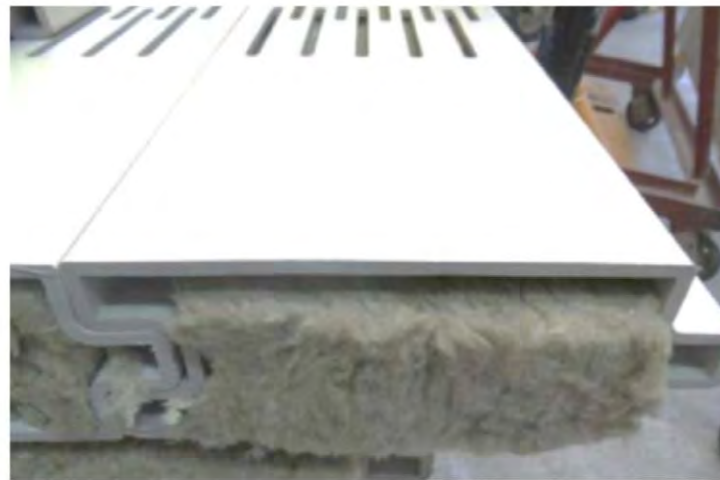
Noise barriers



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



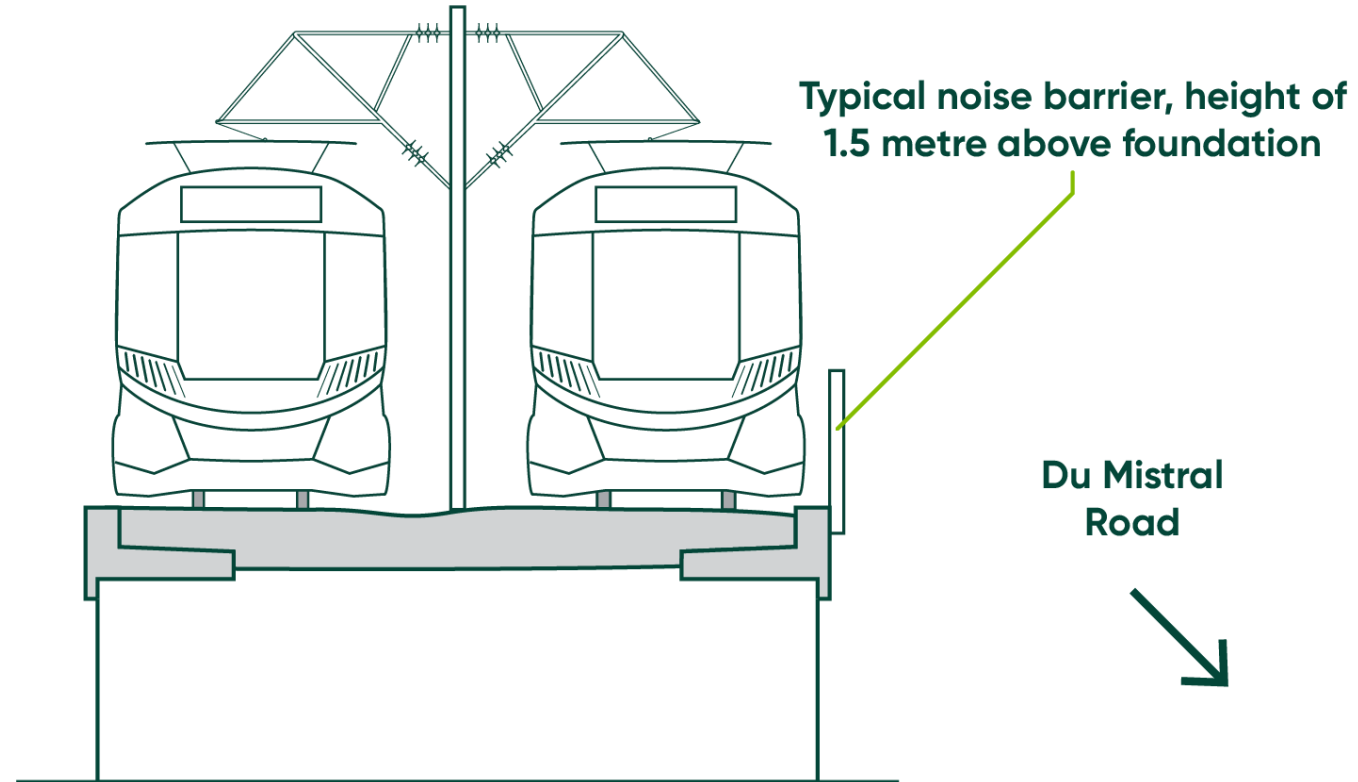
Côté ferroviaire



Isolant acoustique



Cross-section – Îles-Laval



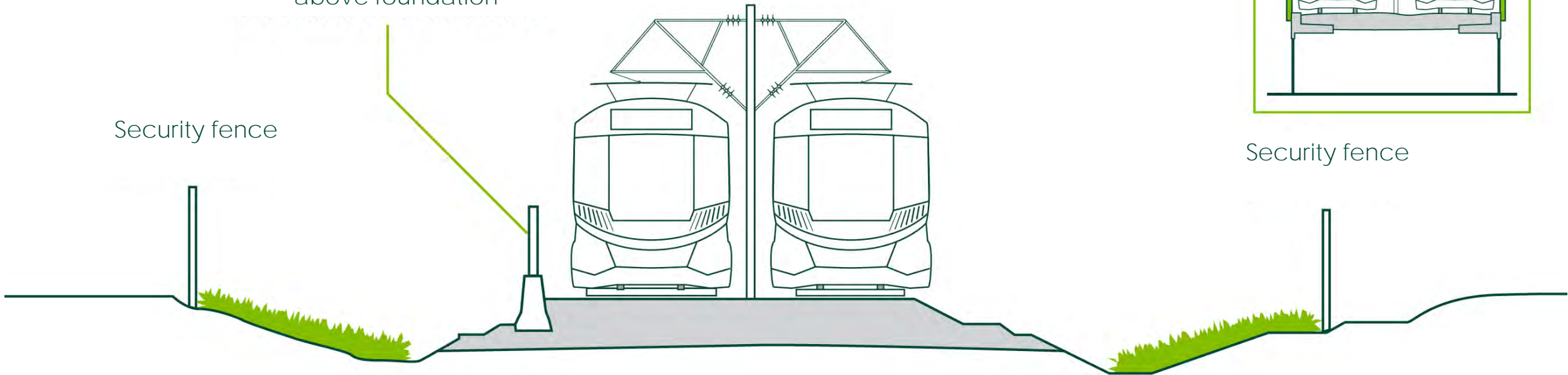
FOR
INFORMATION
PURPOSES

Cross-section – Laval-sur-le-Lac

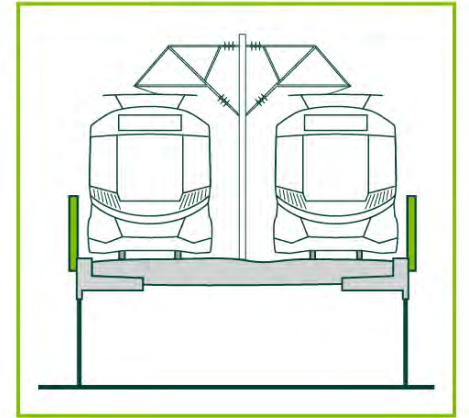


Typical noise barrier, variable height from 1 to 1.5 metres above foundation

Security fence



Configuration,
Les Cèdres overpass



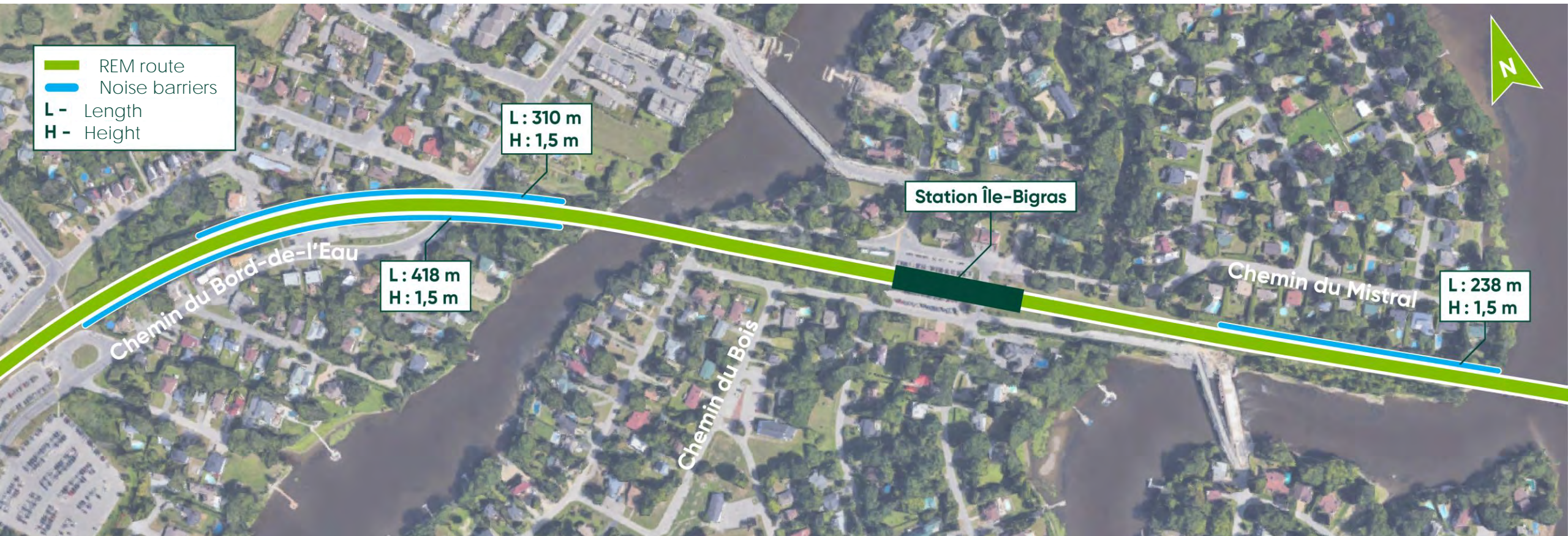
Security fence

FOR
INFORMATION
PURPOSES

Location of noise barriers



- Locations determined using conservative assumptions



Location of noise barriers



- Locations determined using conservative assumptions





Communication tools

For information on upcoming work



For any questions,
suggestions or
complaints

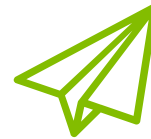
1 833 rem-info or
info@rem.info



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 & answer
period

**Réseau
express
métropolitain**



rem_metro



REM – Réseau express métropolitain



REMgrandmtl



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



info@rem.info

rem.info/en

