



Neighbourhood Committee – Édouard- Montpetit Sector

February 28, 2019



Agenda

- Welcome and presentation of the agenda
- Follow-ups from the last neighbourhood committee meeting
- Community relations
- Status of ongoing and upcoming work
- Environmental monitoring
- Upcoming project milestones
- **Question & answer period**



Follow-ups from the last neighbourhood committee meeting



Follow-ups

Noise data format

- Comprehensive data in hourly format will soon be available on the web platform

Feedback regarding improvement of mitigation measures

- Raised the acoustic screen on the school side (1.2 m)

Ridership studies for REM's future Édouard-Montpetit station

- Peak period (every 2.5 minutes): estimate of approximately 120 users per train set, destined for connection with the Montréal metro or outside the area



Follow-ups

Examples of maximum noise levels measured at the station during the day of January 15

8:15 a.m.	10:00 a.m.	10:50 a.m.	12:35 p.m.	2:15 p.m.	2:30 p.m.	3:40 p.m.	5:35 p.m.
88 dBA Tipping trailer	93 dBA Recess	82 dBA Vehicle	86 dBA Recess	82 dBA Truck exit	77 dBA Excavator loading a truck	83 dBA Helicopter pass	78 dBA People passing by

This data corresponds to measurements taken for a period of a few seconds.



Community relations

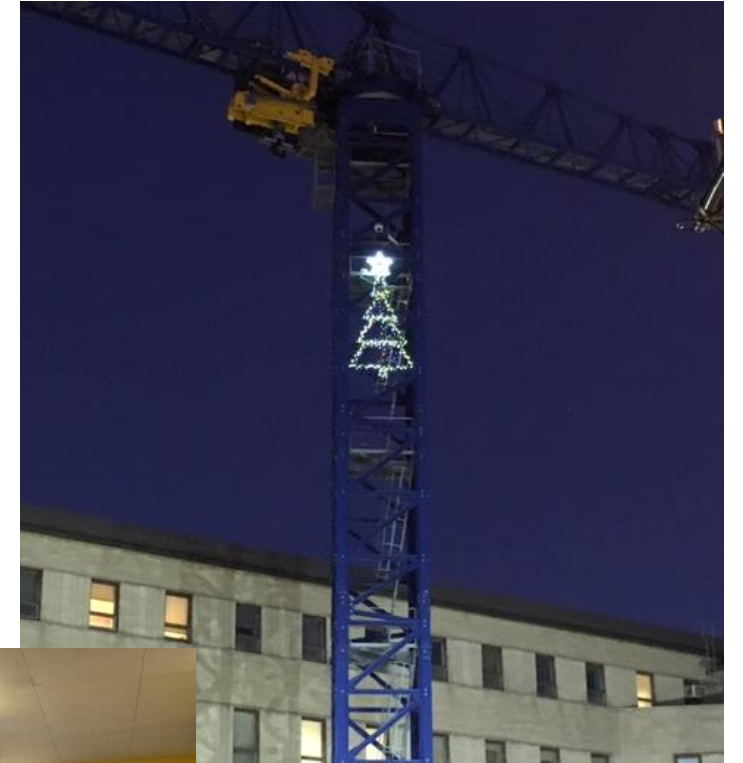


Community relations

7

Actions

- Correspondence with students and installation of a *homemade*, lit Christmas tree
- School activity with all six elementary grades on February 7
- Communications regarding the change in blasting schedule



Community relations

Complaints – five complaints received since the last meeting

- Disturbance associated with generators (noise and vibration)
- Projector turned on at the site
- Odour
- Construction noise at night (two complaints during the week of January 28)

⇒ **Corrective measures implemented**



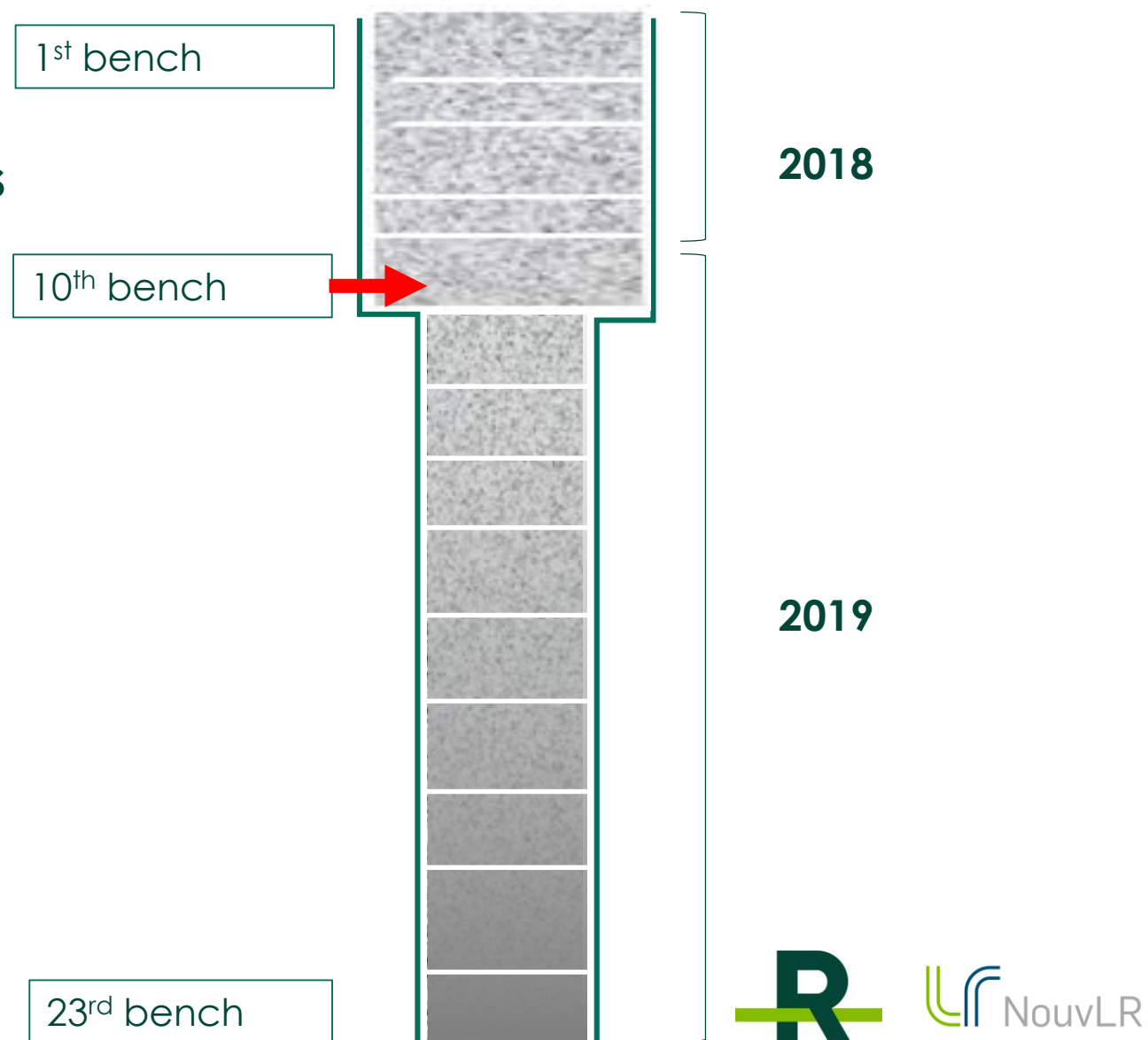
Status of ongoing and upcoming work



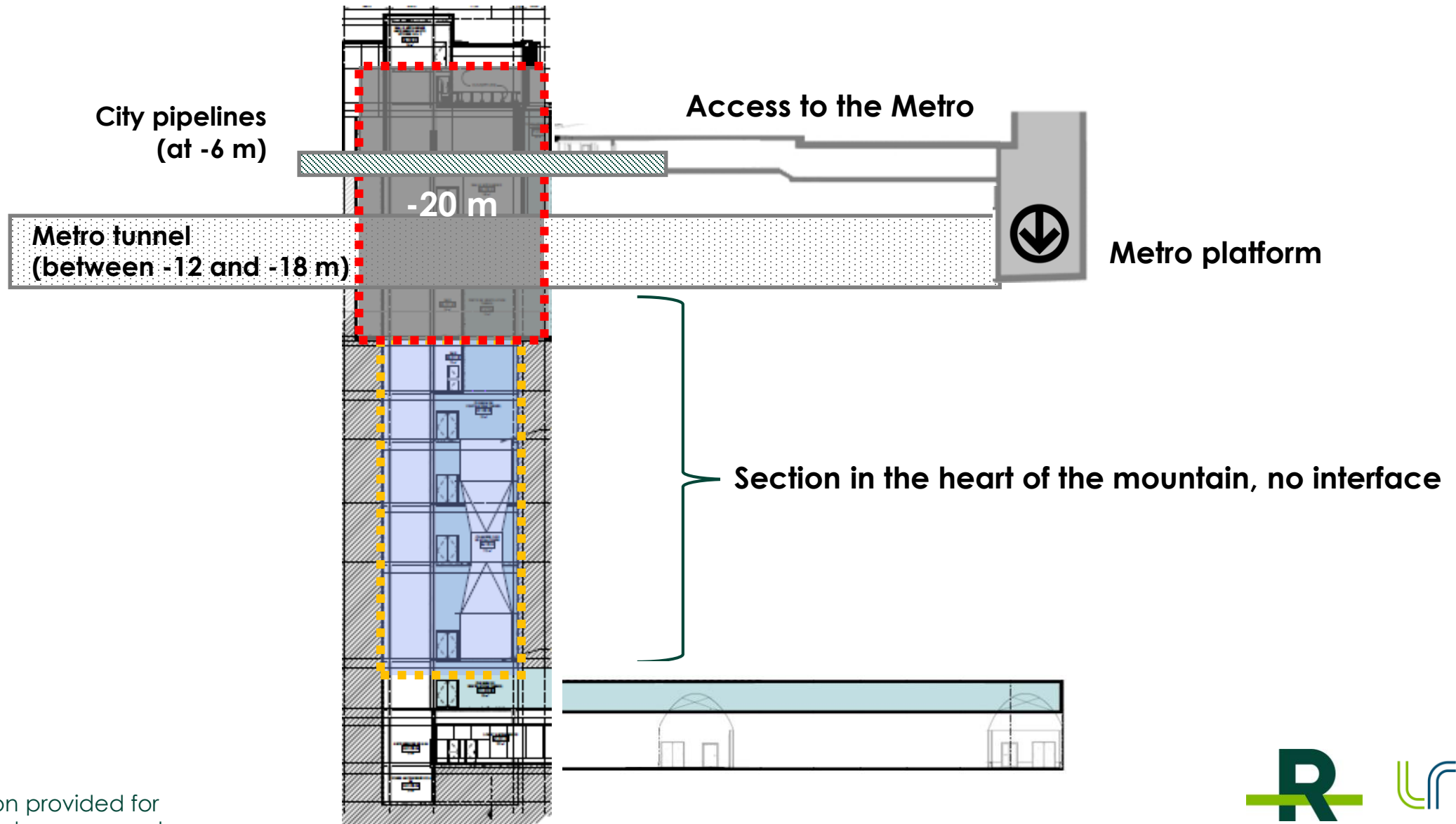
Completed and upcoming work

Controlled micro-blasting operations

- Number performed:
 - 100th blast on February 11
 - 116 blasts on February 28
- Depth of excavation reached:
 - 19-20 metres (65 feet)



Underground excavation



Cross-section provided for
informational purposes only

November 28, 2018

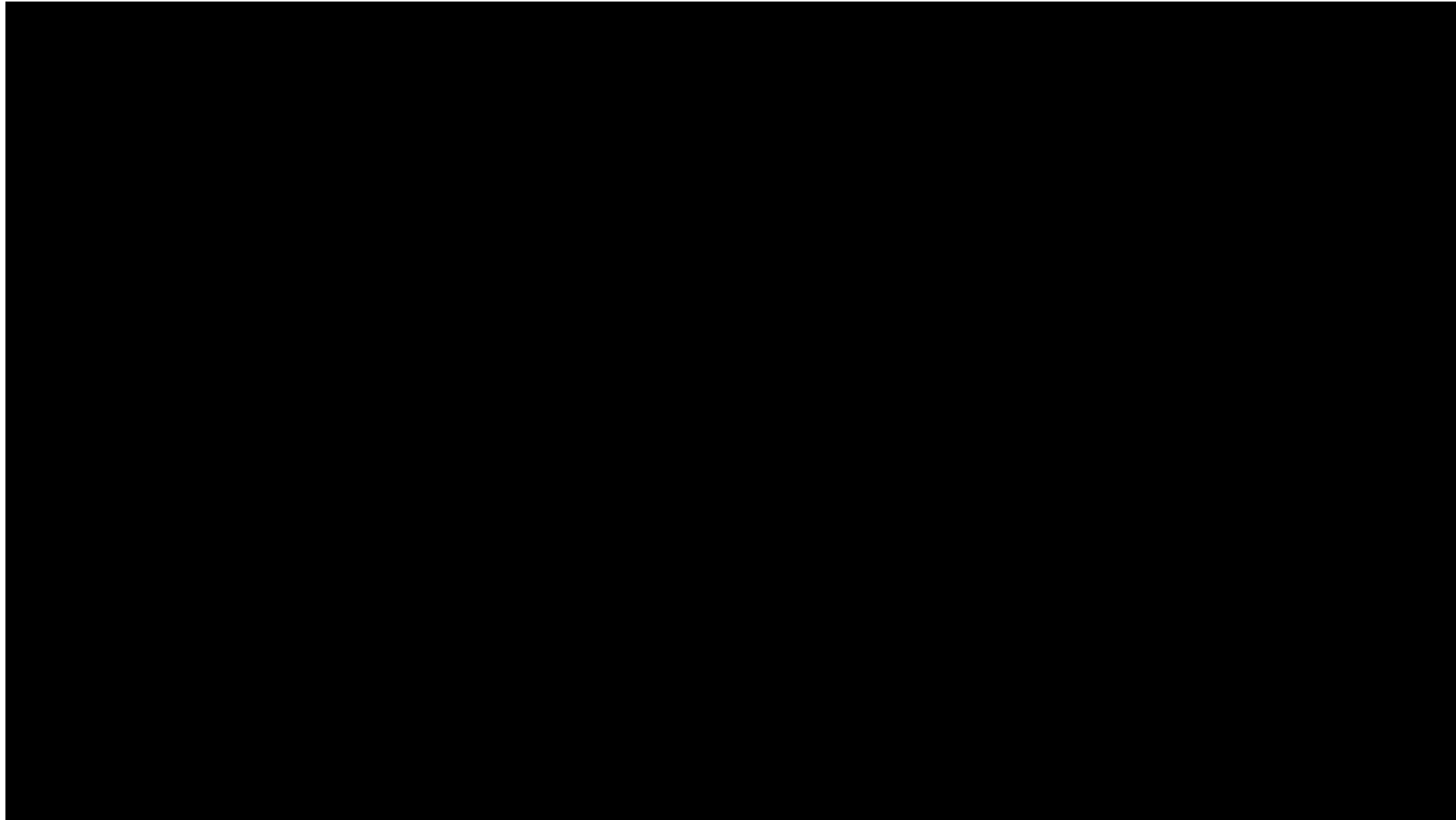


February 18, 2019



Examples of micro-blasting performed

14



Completed and upcoming work

Daily work cycle:

- Drilling
- Blasting
- Excavation – change in work methods:
 - Use of the tipping trailer



Mitigation measures added:

- Installation of removable acoustic screens
- Jackhammers: equipped with noise mitigation systems and usage stopped after 10 p.m.
- Drills: silencers and acoustic mats

Upcoming work:

- Connection to Hydro-Québec



Environmental monitoring



Monitoring – noise and air quality

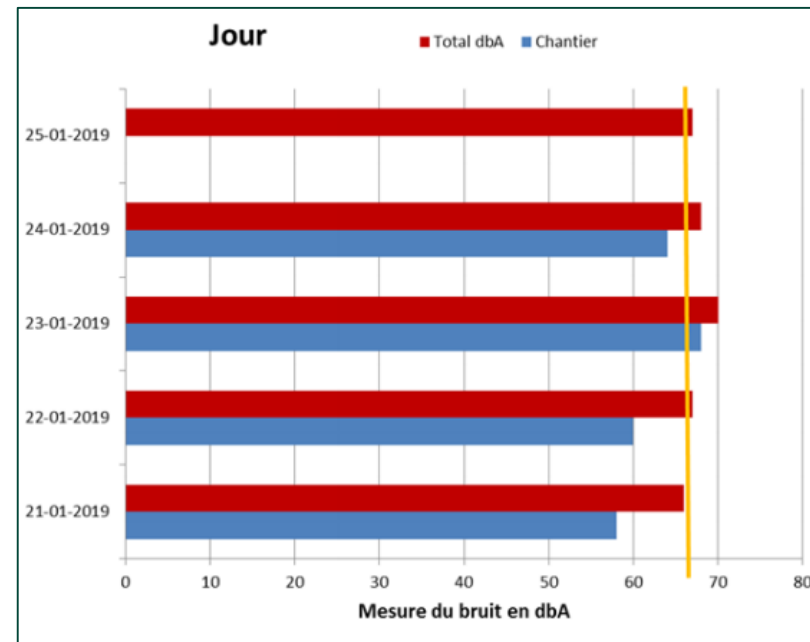
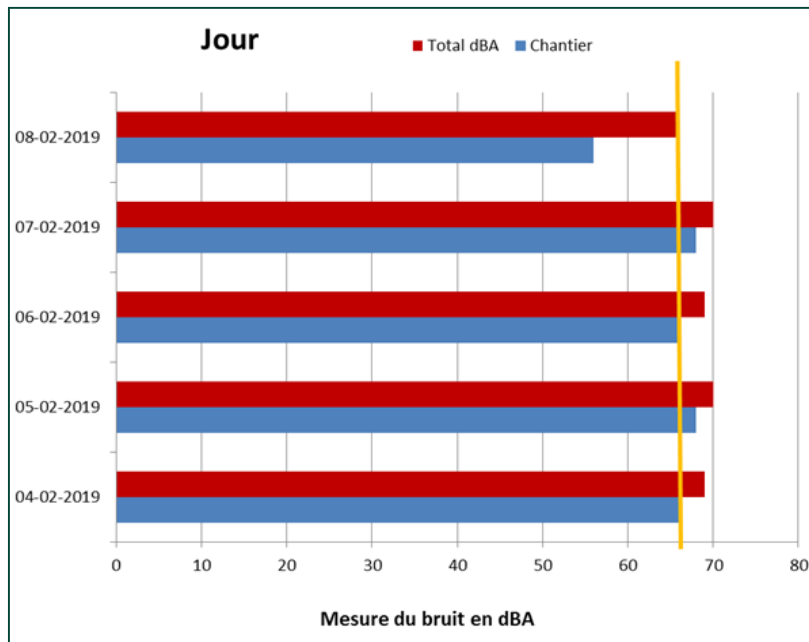
17

Air quality

- Standards not exceeded and air quality is good

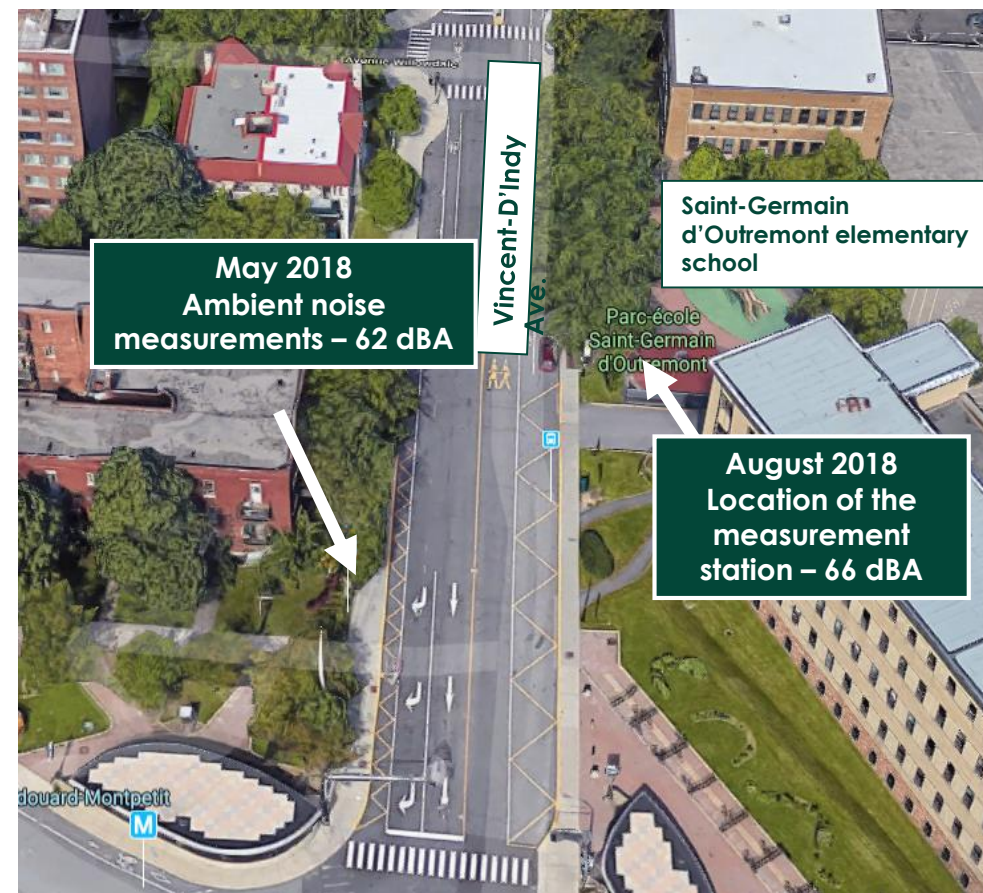
Noise

- Generally, criteria during the day was met



Adaptation of daytime noise criteria

- **May 2018:** Ambient noise measurement on residential side – 62 dBA
- **August 2018:** Installation of measurement station on school side
- **January 2019:** Creation of the web platform for verifying information
- **Findings:** Ambient noise level during the day is higher on the school side
- ⇒ **Adaptation to 66 dBA:** Best representativity of this noise criteria during the day, according to location of the measurement station



Noise – Exceedances

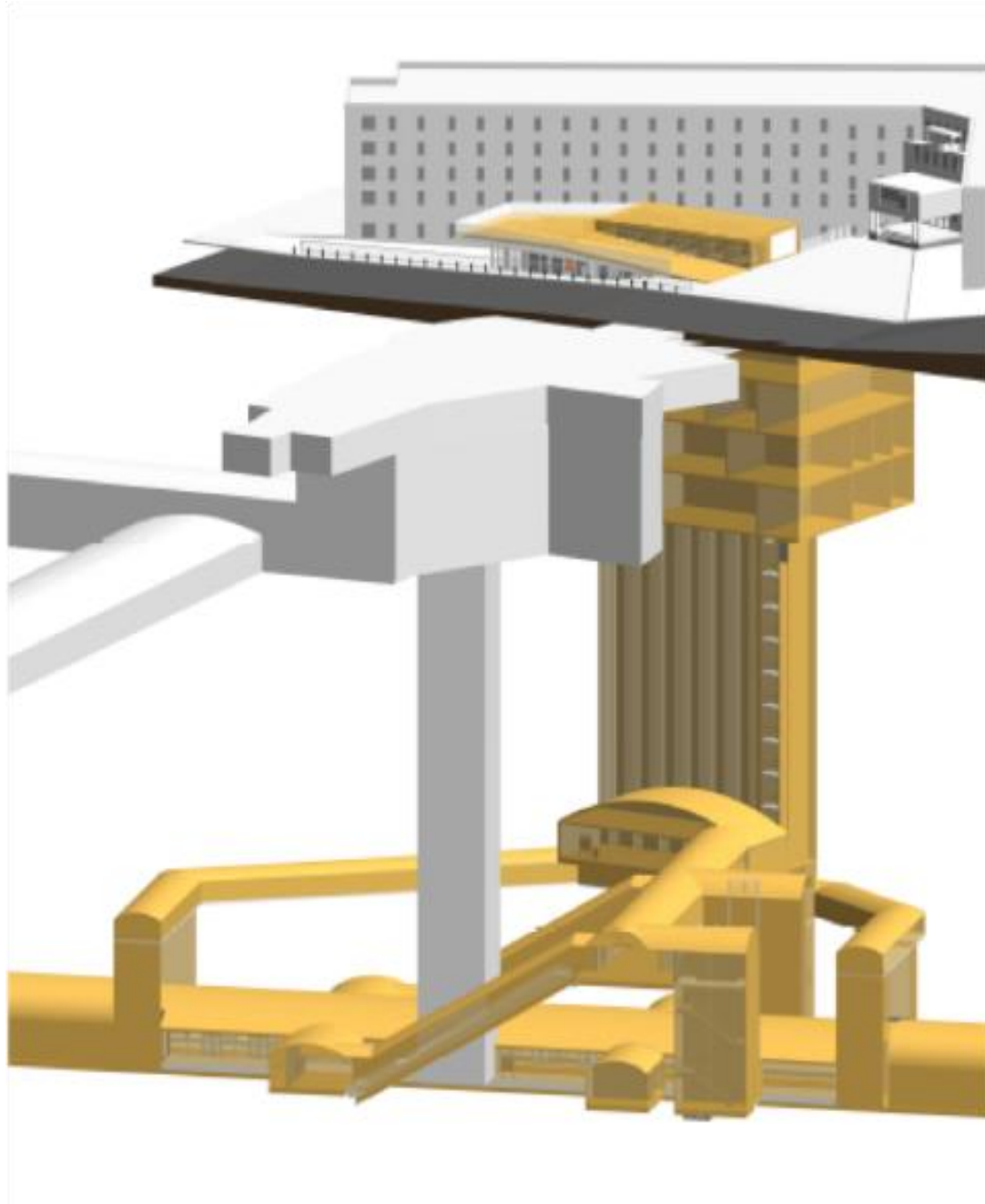
- Exceedances measured in the evening, but especially at night
 - Complaints
- Overnight from January 27-28: first use of the crane and tipping trailer
 - Noise levels were well over the threshold
- Our environmental experts were immediately mobilized
 - Tests, sound monitoring and corrective measures implemented (improved the tipping trailer)
- Attempt to perform quieter activities, but noise levels continued to be too high

⇒ **Work at night suspended as of February 12**



Upcoming construction milestones

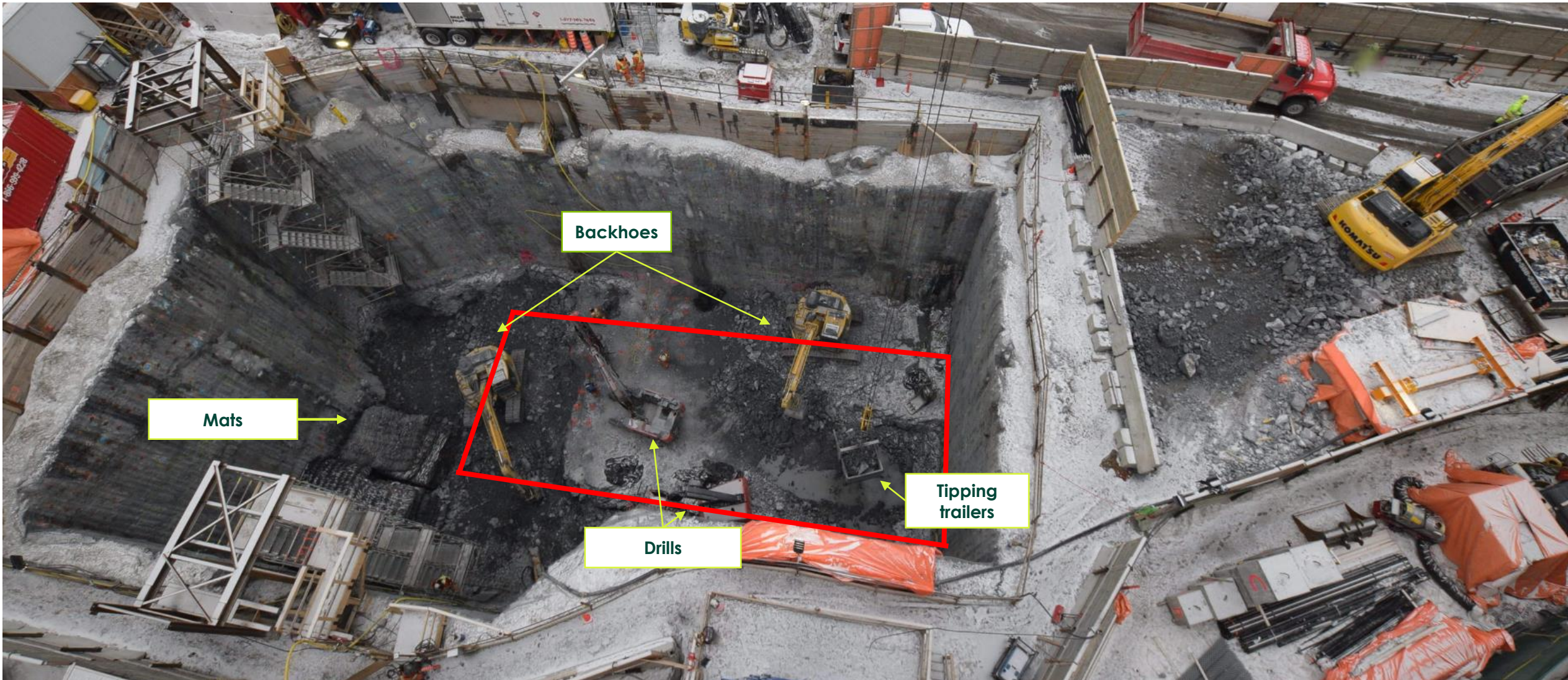




Pit geometry – early March

22

Future work zone



Work cycle update

- Excavation depth progress:
 - Threshold reached – all infrastructures have been cleared
 - Work cycle is evolving
 - Modification of the pit's geometry
 - Time required
 - Meeting night-time noise criteria is not possible
 - Certain work phases can't be shortened (e.g.: drilling)
- Need to adapt how activities take place during the day, including controlled blasting

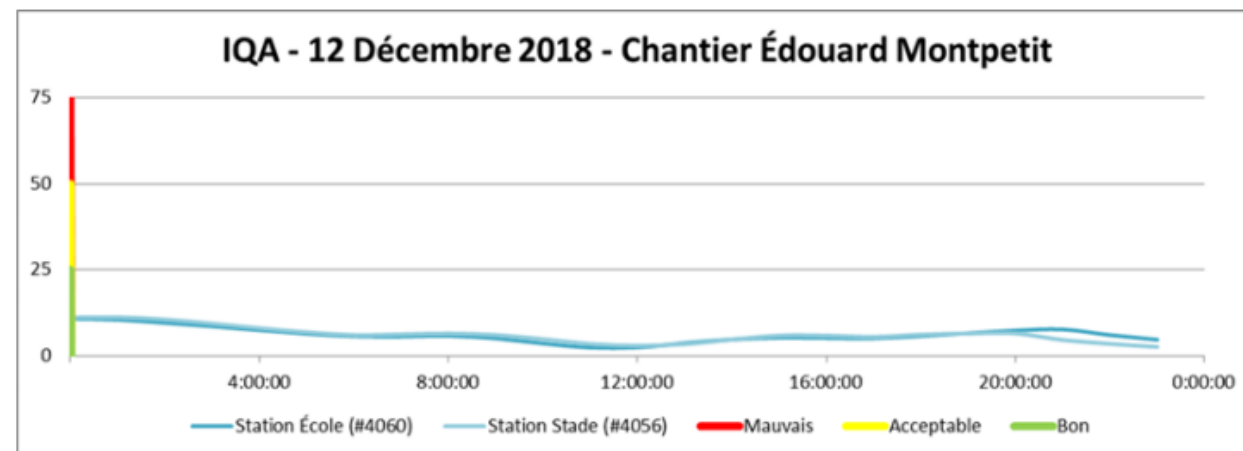
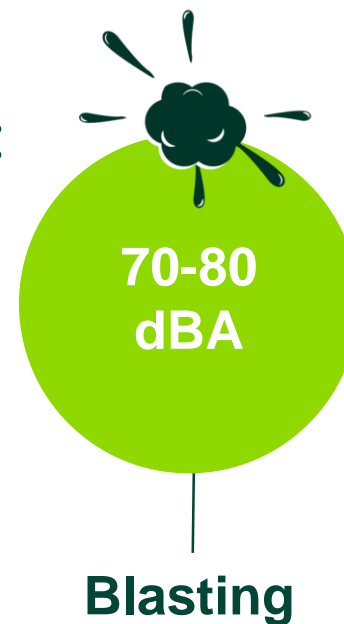
Work cycle update

- **Beginning Monday, March 4: controlled micro-blasting during the day**
 - Modification of the fixed blasting schedule
 - As the construction site evolves: from one to four blasts will take place each day, from morning through evening (may vary according to work planning)
 - Desire to give surrounding residents as much advance notice as possible.
- No micro-blasting performed during the school's recess times (morning and afternoon) or at lunch
- Environmental monitoring data available on REM's website (rem.info)

Impacts – schedule change

Feedback on micro-blasting during the day:

- Two blasts performed during school hours (Nov. 14 and Dec. 12)
- Environmental monitoring results:
 - Air quality: no effect on air quality
 - Noise: brief impact for a few seconds (whistle, detonation)
- Whistle: required by regulations

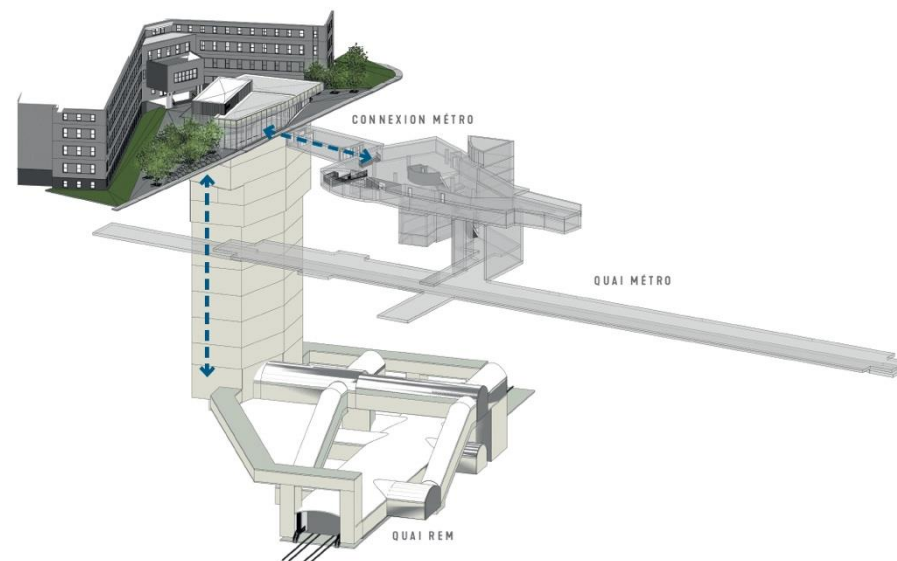


Impacts – schedule change

- Trucking: volume previously indicated will be maintained, i.e. about 20 trucks per day between now and fall 2019
 - Currently: around 10-12 trucks
- No changes to trucking restrictions during times when students are arriving and leaving school
 - 7:30 to 8:00 a.m.
 - 3:00 to 3:20 p.m.

Upcoming milestones in 2019

- **August 2019:** Start of work in the Mont-Royal Tunnel to begin connecting to the Édouard-Montpetit Station
- Through **fall 2019:** excavation
 - Drilling, blasting and removal of debris
- Beginning **fall 2019:** station construction
 - New work phase





Question & answer period



Thank you!



**Next proposed meeting date:
May 9, 2019**

