

# Brief on the on the proposed light rail project (réseau électrique métropolitain de transport collectif)

*Stefan Bracher*

*27.09.2016*

## Peak capacity from Deux-Montagnes to Downtown

- **Now:** 4 trains of 2000 <sup>[2]</sup> passengers in 65 minutes = **7400 pph**
- **REM:** 10 trains of 600 <sup>[3]</sup> passengers in 60 minutes = **6000 pph**

[2] Wikipedia. MR-90 single-level multiple unit: <https://en.wikipedia.org/wiki/MR-90> Departures: 7:00, 7:18, 7:37, 8:05

[3] CDPQ INFRA INC. *Choix technologique*, août / septembre 2016, 6 pages:  
[http://www.bape.gouv.qc.ca/sections/mandats/Reseau\\_electrique\\_m%C3%A9ropolitain/documents/DA52.pdf](http://www.bape.gouv.qc.ca/sections/mandats/Reseau_electrique_m%C3%A9ropolitain/documents/DA52.pdf)

## **Peak capacity from Roxboro-Pierrefonds to Downtown**

**Now:** 5 trains of 2000 <sup>[2]</sup> passengers in 63 minutes = **9520 pph**

**REM:** 10 trains of 600 <sup>[3]</sup> passengers in 60 minutes = **6000 pph**

[2] Wikipedia. MR-90 single-level multiple unit: <https://en.wikipedia.org/wiki/MR-90> Departures: 7:13, 7:31, 7:50, 8:00, 8:18

[3] CDPQ INFRA INC. *Choix technologique*, août / septembre 2016, 6 pages:  
[http://www.bape.gouv.qc.ca/sections/mandats/Reseau\\_electrique\\_m%C3%A9ropolitain/documents/DA52.pdf](http://www.bape.gouv.qc.ca/sections/mandats/Reseau_electrique_m%C3%A9ropolitain/documents/DA52.pdf)

## *Affected Projects*

- *Electrification AMT (Network and Rollong Stock)*
- *Mascouche Line (Tunnel)*
- *St-Jérôme Line (Tunnel)*
- *Vaudreuil-Dorion Line (Closing?)*
- *Via Rail Montréal-Québec (Tunnel)*

## *Suggestions*

- *Use of the current electric train technology.*
- *Minimum of 6 cars per train*