To: STM

From: Philip Dumaresq

Date: 14/2/2019

Subject: Reducing wait times for people to get on the metro

Dear STM,

I am writing you regarding a problem that affects myself and thousands of others daily: metro waiting times. The metro arrival times are unpredictable, and missing the latest metro typically means waiting upwards of another 20 minutes for the next train to come. This happens every morning from 7 AM to 9 AM, and 20 minutes is a very long time to wait when the metro is thousands of people’s main way of reaching their workplace. In this letter, I will report my findings on the matter and provide a solution based on my research on the subject.

1. **Old metro cars:**

The metro cars used by the STM are of the AZUR model, which is a very outdated model. It was very popular in the 70s, where the metro industry was very new and hence, the cars weren’t very strong. But nowadays in the 21st century, there have been a lot of innovations and new technology introduced to metro cars which improved the way the metro cars work. A company named MST technologies specializes in metro cars, and they have a model named REST which is made to be fast, efficient, strong, environment friendly and 50% cheaper to purchase and 73% cheaper to maintain yearly. I heavily recommend it, but it needs to have its own railings, which I will speak about it on my next point.

1. **Old railings:**

Like the old metro cars, old metro railings are also a problem that affects the efficiency of metro cars. The railing STM uses were designed a very long time ago, and at that time efficiency and speed were not very important factors to consider; It was mostly about making it work. But now as times evolved and more research has been done, there have been improved systems that allow metro cars to run better on more efficient metro railings. The product I recommend is one that is heavily compatible with the metro car model I proposed in my previous paragraph, it is called LIONE and it is also developed by MST technologies. The advantages in using this railing model is that it’s modern, which means it can work with different types of metro cars in case you want to change metro cars in the future. It is also a lot cheaper, with it being 40% cheaper than other options and also 80% cheaper to maintain yearly. This will allow for the company to save on a lot of money, while also being very cost efficient.

In conclusion, the problem of long waiting times is a huge disturbance to the people of Montreal, and I believe the solutions that I’ve outlined will contribute positively to allow for better, cheaper and faster transport - and more importantly, happier people. I very much hope you consider this solution as I feel it will be beneficial to all in the future.

Regards,

Philip Dumaresq