

Interesting facts about Mississauga Transitway – Phase 1

Construction

Constructing a large scale project requires teamwork, machinery, and materials. Here's an example of some of the construction details for the eastern portion of the Mississauga Transitway:

- There are about 100-150 construction workers working daily on the road portion of the dedicated bus corridor and at the stations
- 85,000 tonnes of asphalt has been placed
- 340,000 tonnes of granular material has been supplied
- 756,000 metres cubes (m3) of earth and rock have been excavated

Green Features

Cycling initiatives

- All stations are accessible to cyclists – each station has bicycle parking racks for riders who want to lock up their bike and ride the transitway to their destination.
- For riders bringing their bikes on MiWay, staircases are equipped with bicycle roll-up to make it easier to bring a bike from the entrance to platform level. Bike racks are available on all MiWay buses.
- Planning and design is underway for the expansion of cycling routes and trails that will connect to the transitway stations from surrounding neighbourhoods and the existing cycling network.

mississauga.ca/cyclingtrails.ca/cyclingtrails

Efficient heating in stations

- Efficient boilers combined with radiant floor heating increases heat efficiency and reduces fuel use. This results in reduced greenhouse gas emissions which contribute to the city's impact on climate change.
- Indoor floor heating at the stations turn on during winter months when required.
- Cawthra Station's enclosed area has overhead electric radiant heaters.

Reducing the environmental impacts of urban travel

- Dedicated bus corridor reduces bus acceleration, braking and idling due to traffic congestion.
- MiWay buses use biodiesel, which avoids over 2300 tonnes of greenhouse gas emissions every year - that's equal to keeping 450 cars off the road each year.
- Diesel engines running at optimum speed for longer periods of time increase their efficiency which reduces emissions even more.
- One MiWay bus is able to eliminate 40 vehicles from the road.
- A single City transit bus running efficiently can carry as many people as 40 to 50 passenger vehicles, with only 25 per cent of comparable emissions ([Environment Canada](#)).

Green landscaping

- Dixie station trellis wall plantings reduce the amount of stormwater entering the system.
- Landscaping along the Mississauga Transitway corridor improves Mississauga's urban forest.
- Plants filter the air we breathe and capture carbon, both of which contribute to reducing the impact on climate change.

Increasing biodiversity of plants and trees in the city is beneficial to the city's ecosystem. All of these green steps contribute toward Mississauga being a sustainable, resilient, green city.

Parking lots and kiss n' ride areas to promote transit use

- Allowing residents to carpool; easy drop-offs to encourage a variety of transportation modes that connect to the transit system.
- Helping remove cars from the road.
- Reducing greenhouse gas emissions and improve air quality.

Modern stormwater initiatives

- Stormwater ponds have been included in the infrastructure to accommodate the transitway's water drainage.
- Cawthra Station's planter boxes are able to collect rain water and self-water plants.
- This process filters water through soil to clean it.
- This new process improves stormwater management by imitating natural processes, and reducing the amount of water entering the stormwater system.

Other Features

Accessibility

- Fully accessible to all people – elevators available at Central Parkway, Tomken and Dixie stations.
- Cawthra Station, the transitways only grade-level station includes accessible ramps for those travelling between the eastbound and westbound platforms.
- Accessible passenger pick-up and drop-off areas.
- Accessible pedestrian routes.
- Exterior surface treatments – contrasting colours, tactile treatments.
- Barrier-free entrances.
- Platforms have contrasting colour and texture.

AED

- All stations are equipped with Automated External Defibrillator (AED) that can help save a person's life.

Public Art (in progress)

- Three of the four new Phase 1 stations will feature public art by Artist Panya Clark Espinal, chosen through a juried process.
- The art is a multi-media sculptural art project entitled *Building Colour*.
- The artwork uses a combination of sculptural pieces made of cast and fabricated bronze, architectural glass, colour changing LED lighting and touch-sensitive triggers to engage the audience.
- *Building Colour* stages the tools and equipment of glass installation, showing a work site without its workers.
- The goal is for the public to visualize work taking place in the station such as clear glass windows being replaced with coloured glass.
- This public art will help make public transit a more enjoyable experience.