GOING UNDERGROUND

STATION FEATURES KEY GO bus connections YRT/Viva bus connections TTC bus connections GO train connections Bicycle racks Restrooms Passenger pick-up 💪 Wheelchair accessible Indoor public art Outdoor public art A Retail P Parking MAP KEY Incomplete tunnel Tunnel bored so far Current position of tunnel-borer Statio Spadina line

HWY. 407

🖪 👪 🖪 🚺 🛃 🖪 **VAUGHAN METROPOLITAN CENTRE STATION**

Construction areas

This is one of just two of the six new subway stations whose name the TTC has approved Plunked in a field at Highway 7, this station "will serve as a catalyst for the growth of a new mixed-use downtown precinct with the built-in potential to connect directly to adjacent developments," the TTC says. Pedestrians can also use the station tunnel without paying a TTC fare, to walk under Highway 7, uniting the two halves of Vaughan's future downtown. The station design includes a kiss 'n' ride, connections to York Region Transit bus terminal and to the Viva bus running along Highway 7.

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STEELES WEST STATION This station, which runs diagonally under the intersection of Steeles Avenue West and Northwest Gate will feature parking for a whopping 1,850 vehicles in the hydro corridor to the north of the station. Passengers will enter the station on the north side of Steeles Avenue West, also the location of a YRT bus terminal and a kiss 'n' ride. Two concourses, one at each end of the station, will allow utilities and future underground Light Rail Transit tunnels to cross over the top of the station. The final name of this station is still a topic of discussion.

All workers entering the

here. This ensures that

at the end of the day.

Ventilation shafts provide fresh air

to the workers.

A pair of cranes is

responsible for raising

cars, as well as the

liners. Workers must

when flights come into **Downsview Airport.**

SOURCE: TORONTO TRANSIT COMMISSION

lower crane booms

TBMs and tunnel

and lowering the muck

everyone is accounted for

tunnels leave their ID cards

SHEPPARD WEST CONSTRUCTION SITE

In January 2011, workers began digging a huge hole adjacent to the Downsview military base, to house a new subway station. Workers rerouted the Barrie GO train tracks temporarily in order to build a trestle to hold up the commuter train line, which will bisect the completed station above the subway tunnel.

Supply train

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🔲 🔲 P 🚳 ía 🕪 🛃 🗿 🙆 HIGHWAY 407 STATION

The name, which the TTC has approved, is not romantic, but at least it's geographically descriptive This station will connect the TTC to the YRT and GO Transit buses, with space for a future 407 Transitway. Drivers can park at 600 spaces to get on the subway. Among architectural features, the TTC says that "glazing to the bus terminal is bird-friendly fritted glass in black aluminum curtain wall framing. Cornice and roof overhang soffits are clad in zinc coated aluminum panels."

This is not the final name of this station, but the TTC confirms it is the only new station name about which few people have complained. The station is under construction at the heart of the York University Campus, crossing diagonally under Ian McDonald Boulevard near the gleaming Schulich School of Business. The station will replace some of the blighted, overpacked TTC buses that currently serve York, including the 196 from Downsview and the hated 60C from Finch subway station. Once the subway opens, TTC, YRT, Viva, and GO bus services no longer will ply the streets to the university, but instead serve Steeles West Station and Highway 407 Station. The main entrance "has a lightwell from the Common providing daylight into the concourse and views to the campus. Glazing on the east side of the entrance structure provides natural light down to the concourse level.

R. W. W. W.

Tunnel entrance

West building

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YORK UNIVERSITY STATION

Finch Ave. W. Concrete tunnel-liner sections are in a large area of the site. 9,000 sections will be used to complete the new tunnels and they are all stored a three sites -Sheppard West, Steeles West, and Highway 407.

ACCUC.

- Metal bracing helps keep the wall of the

collapsing. They will be

construction continues.

station box from

cut away when no

longer needed as

UNIVERSITY

CAMPUS

I The cutter head, located at the front of the machine, weighs 50 tonnes, and is used to cut through and loosen soil, and move it back

to the mixing chamber The cutting tools used vary depending on the type of soil.

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the intersection with Finch

will be for those with tokens or Metropasses only, without a fare collector. The station, with funky multicoloured glass walls, will also feature a green roof, and architects add that, "The parapet wall and façade above the glazing are clad with fibrous cement panels in a black and white graphic pattern." The TTC is still talking about the final name for this station

📋 🛃 🛃 🞒 🦳 **SHEPPARD WEST STATION** The TTC added this station to its plans for the Spadina subway extension, to bring riders to Downsview Park and the Keele Industrial area north of Sheppard Avenue. TTC staff has recommended naming this station

"Downsview" and renaming the station to the south, currently called Downsview, as "Sheppard West." The commission has deferred this decision pending further consultation, according to Joanna Kerwin, the deputy chief project manager. The TTC plans no parking at this station, "to maximize transit oriented development."

East build

Passengers can change inside

A heated, weather-proof enclosure called the 'material Quonset hut' houses the

tunnel-liner sections that will be used next.

The enclosure keeps the sections warm and

clean so that the Earth Boring Machine will

be able to manoeuvre them without

avoid cracking.

problems. Sections must be at least 5

degrees C when workers install them, to

GO Transit train platform Concourse leve

Subway platform

Who says Toronto isn't building subways? In 2008, the TTC began design and construction for six new subway stations, linking the subway to growing York University and beyond. Snaking northwest, this line brings the subway for the first time outside Toronto's boundary into the 905. The \$2.6-billion project involves hundreds of workers. The TTC vows to open the extension at the end of 2015.

The belt conveyor moves the excavated soils to the muck cars

The supply train continually moves back and forth from the tunnel entrance to the boring machine. On each trip in, it carries the concrete tunnel sections and other needed supplies, and on each trip out it hauls the extracted muck - most of which will end up in Downsview Park.



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Extracted soil

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