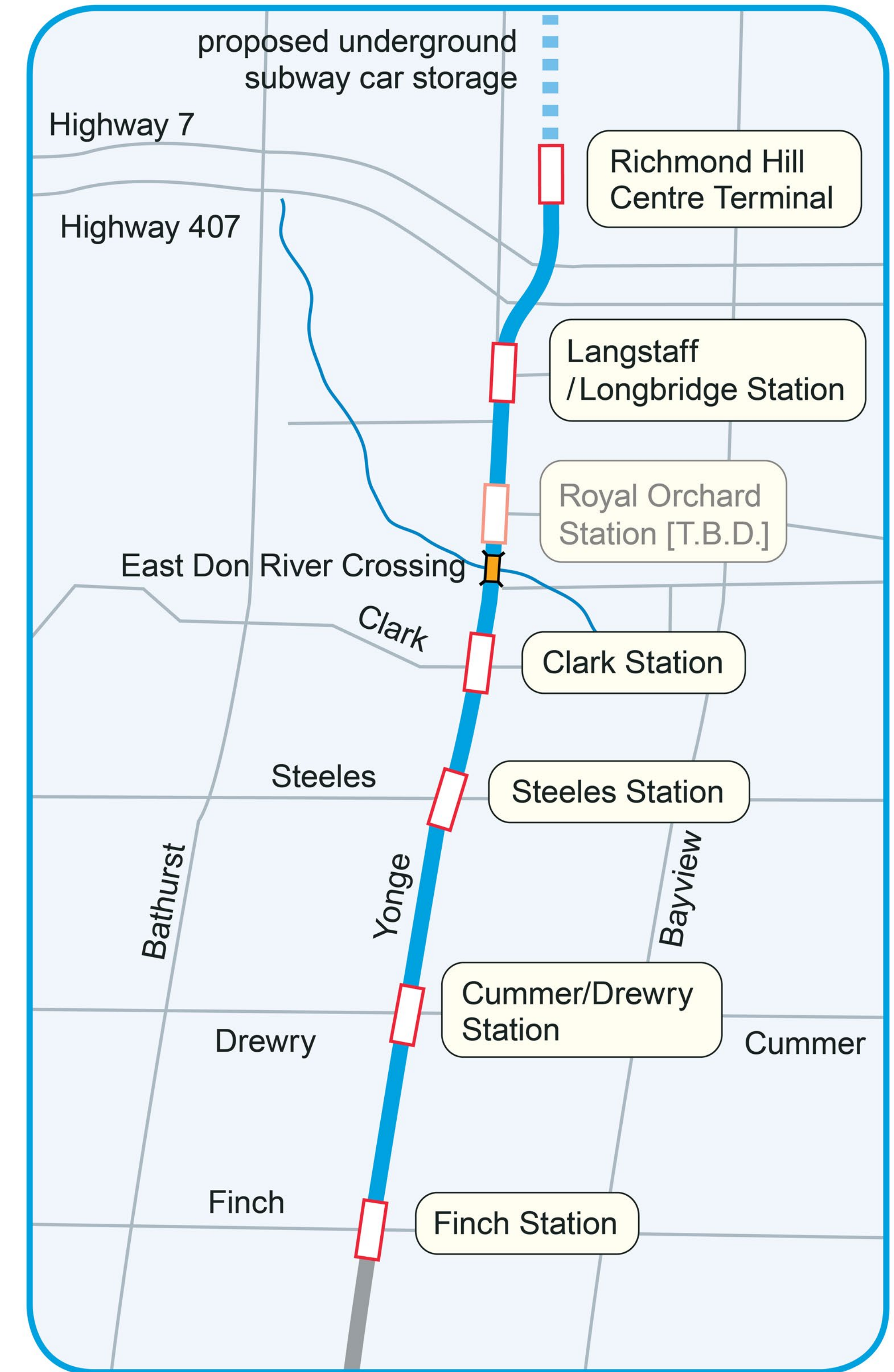


# the yonge subway extension

The planned Yonge Subway Extension will extend 6.8 kilometres north from Finch Station to the Richmond Hill / Langstaff Urban Growth Centre at Highway 7. This centre will be a major transit hub where riders will be able to make seamless and convenient connections to viva and many other transit systems.

## project features

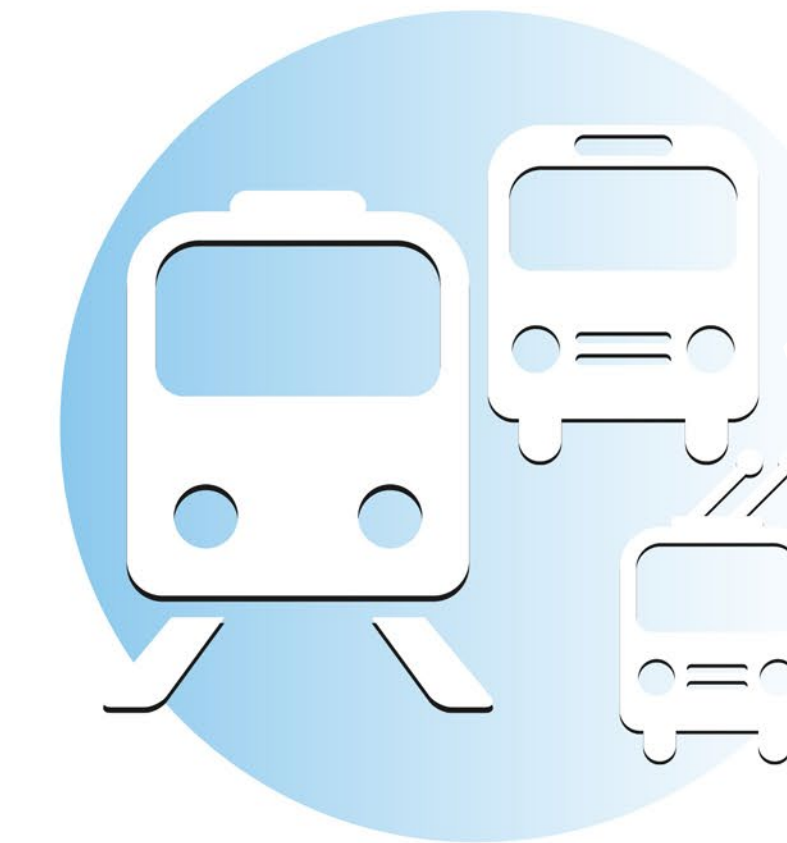
- 6.8 kilometres long
- Up to six stations
- Underground train storage
- Two major bus terminals
- Park & Ride lot for up to 2,000 cars
- Bridge over the East Don River



map not to scale

# metrolinx - top priority for funding

- Metrolinx's most recent funding announcement reaffirms the Yonge Subway Extension to the Richmond Hill/Langstaff Urban Growth Centre as one of the priority projects in the next wave of The Big Move.
- The Environmental Assessment and Conceptual Design Study are completed, placing this project in a strong position for funding consideration as part of Metrolinx's investment strategy.
- We'll continue to work with Metrolinx to assess the needs and plan for expanding and better-connecting transit services for everyone in the Greater Toronto and Hamilton Area.



## metrolinx's next wave projects

### regional transit expansion

- Yonge North Subway Extension
- Brampton Queen Street Rapid Transit
- Dundas Street Bus Rapid Transit
- Durham-Scarborough Bus Rapid Transit
- Downtown Relief Line
- Go Rail Expansion: More Two-Way, All-Day and Rush Hour Service
- Electrification of GO Kitchener line and Union Pearson Express
- Go Lakeshore Express Rail Service - Phase 1 (including Electrification)
- Hamilton Rapid Transit
- Hurontario-Main Light Rapid Transit

\*projects listed in no particular order

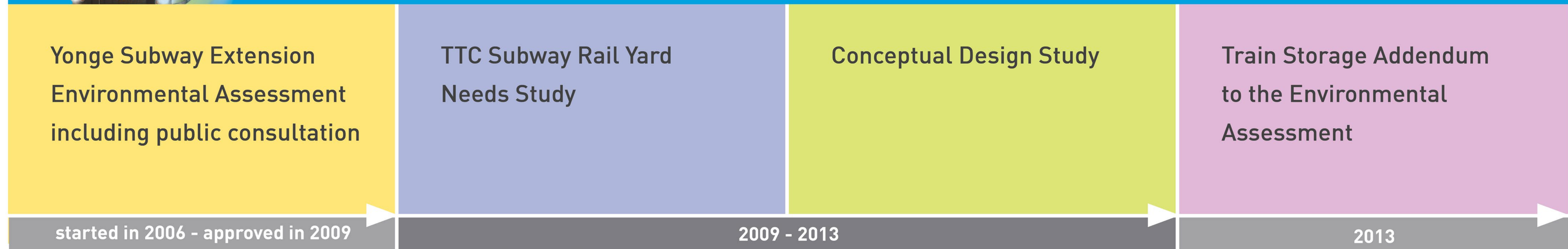


# where we are now

- In 2009, the Ontario Ministry of the Environment unconditionally approved the Environmental Project Report for the Yonge Subway Extension. This officially completed the Environmental Assessment [EA] process for this project.
- A TTC Subway Rail Yard Needs Study and a Conceptual Design Study have since been completed to modify plans for train storage that were included in the original EA.



## project preliminary timeline



# rail yard needs study

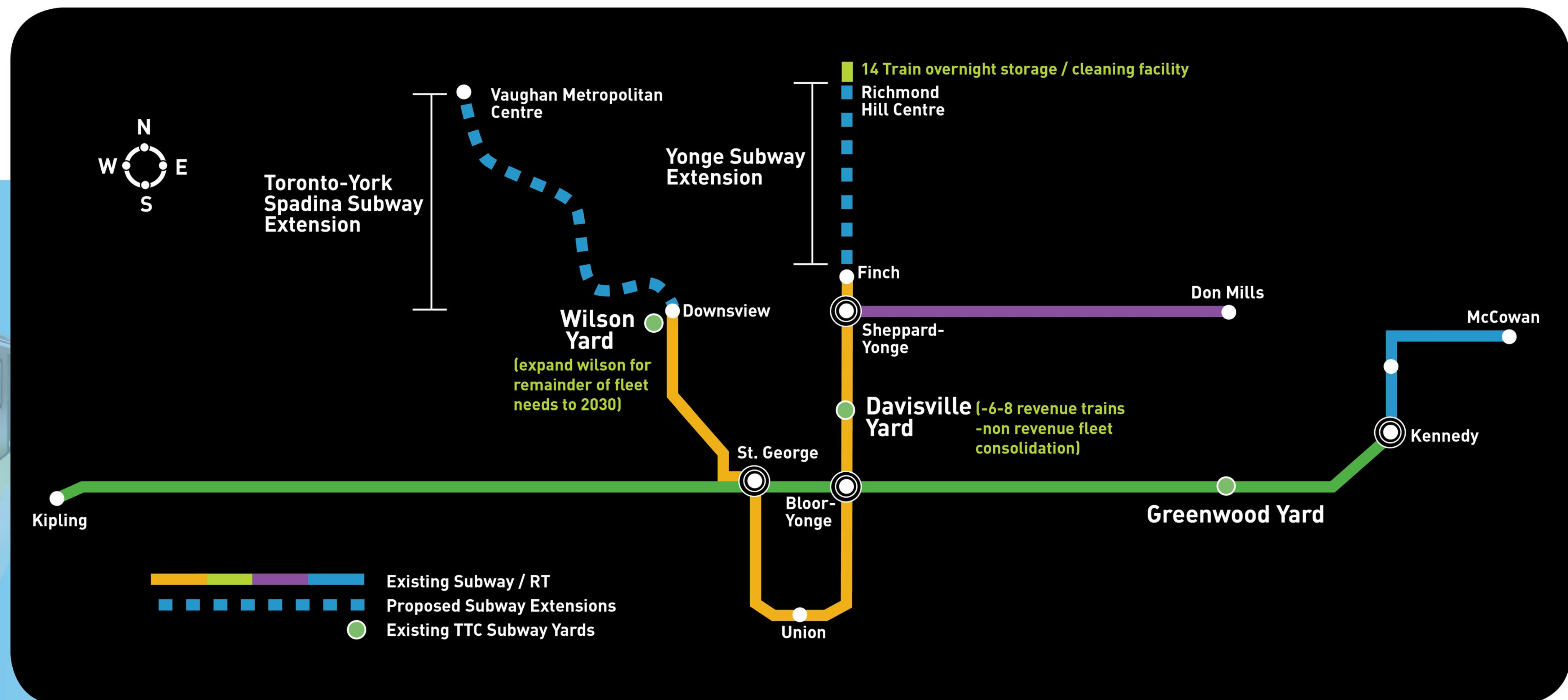
The TTC Subway Rail Yard Needs Study analyzed future requirements which included:

- The Toronto-York Spadina Subway Extension
- The Yonge Subway Extension
- Future growth requirements

It was determined that:

- The subway car fleet would grow from 62 trains to a total of 88 trains by 2030
- A 14-car train storage facility was required north of Steeles Avenue on the Yonge subway line

The findings of the TTC Subway Rail Yard Needs Study require us to proceed with an addendum to the Yonge Subway Extension Environmental Assessment

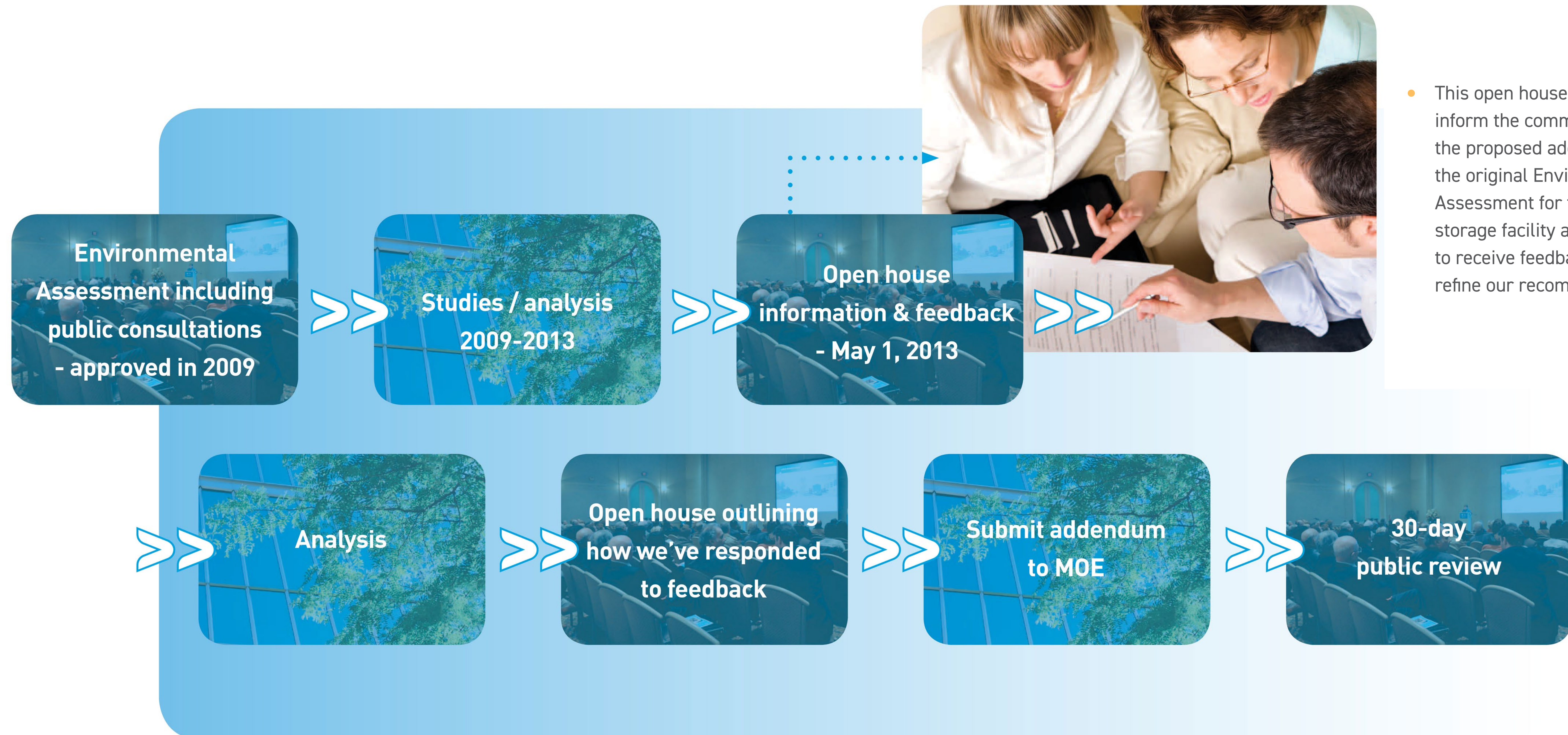


# conceptual design study

- The Conceptual Design Study built upon the original Environmental Assessment, to further develop station concepts, property needs, cost estimates etc.
- The study also assessed options to accommodate TTC train storage requirements identified in the TTC Subway Rail Yard Needs Study.
- Various train storage locations were studied, and potential locations at the north end of the Yonge line in Richmond Hill were identified.
- Plans for the preferred 14-car train storage facilities will be submitted to the Ministry of the Environment as an addendum to the 2009 Environmental Assessment.

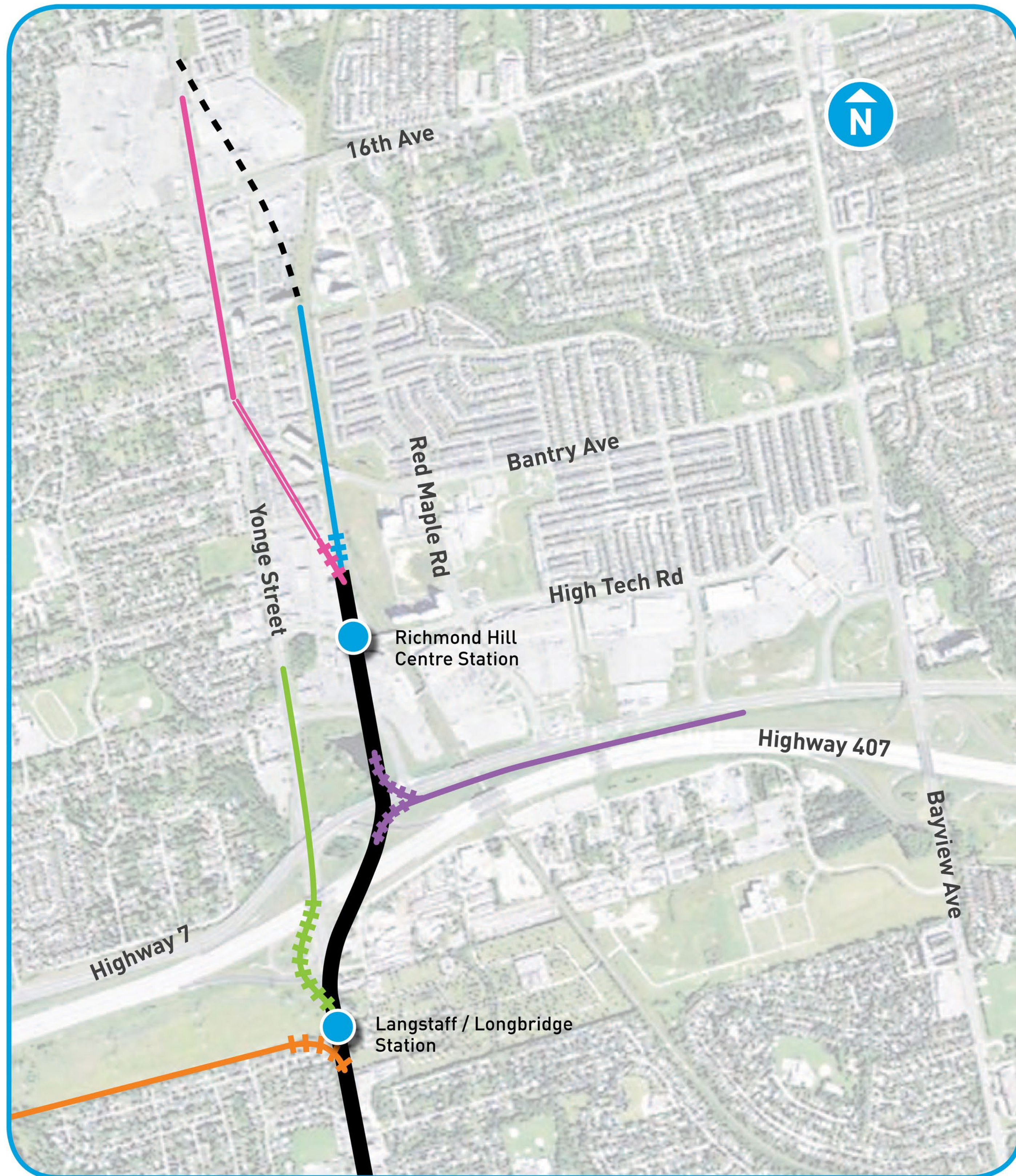


# process for the yonge subway addendum



- This open house will help inform the community about the proposed addendum to the original Environmental Assessment for the train storage facility and allow us to receive feedback to help refine our recommendations

# train storage options studied in the conceptual design



Each option was compared, based on the following criteria:

- Future station location
- Subway operations
- Future northerly extension
- Property and building impacts
- Constructability [traffic, property, tunneling versus open cut]
- Cost [initial and future]

- Approved Yonge Subway alignment
- Intended future Yonge Subway alignment
- Subway station
- > **Option 1**  Train storage - north of Highway 7, east of Yonge Street beside GO rail tracks  
 Special track work
- > **Option 2**  Train storage - under Yonge Street, north of Bantry Avenue  
 Special track work  
 Special tunnel work
- > **Option 3**  Train storage - under Yonge Street, starting at Highway 407  
 Special track work
- > **Option 4**  Train storage - east of Yonge Street, between Highway 7 and Highway 407  
 Special track work
- > **Option 5**  Train storage - west of Yonge Street, in the hydro corridor south of Highway 407  
 Special track work

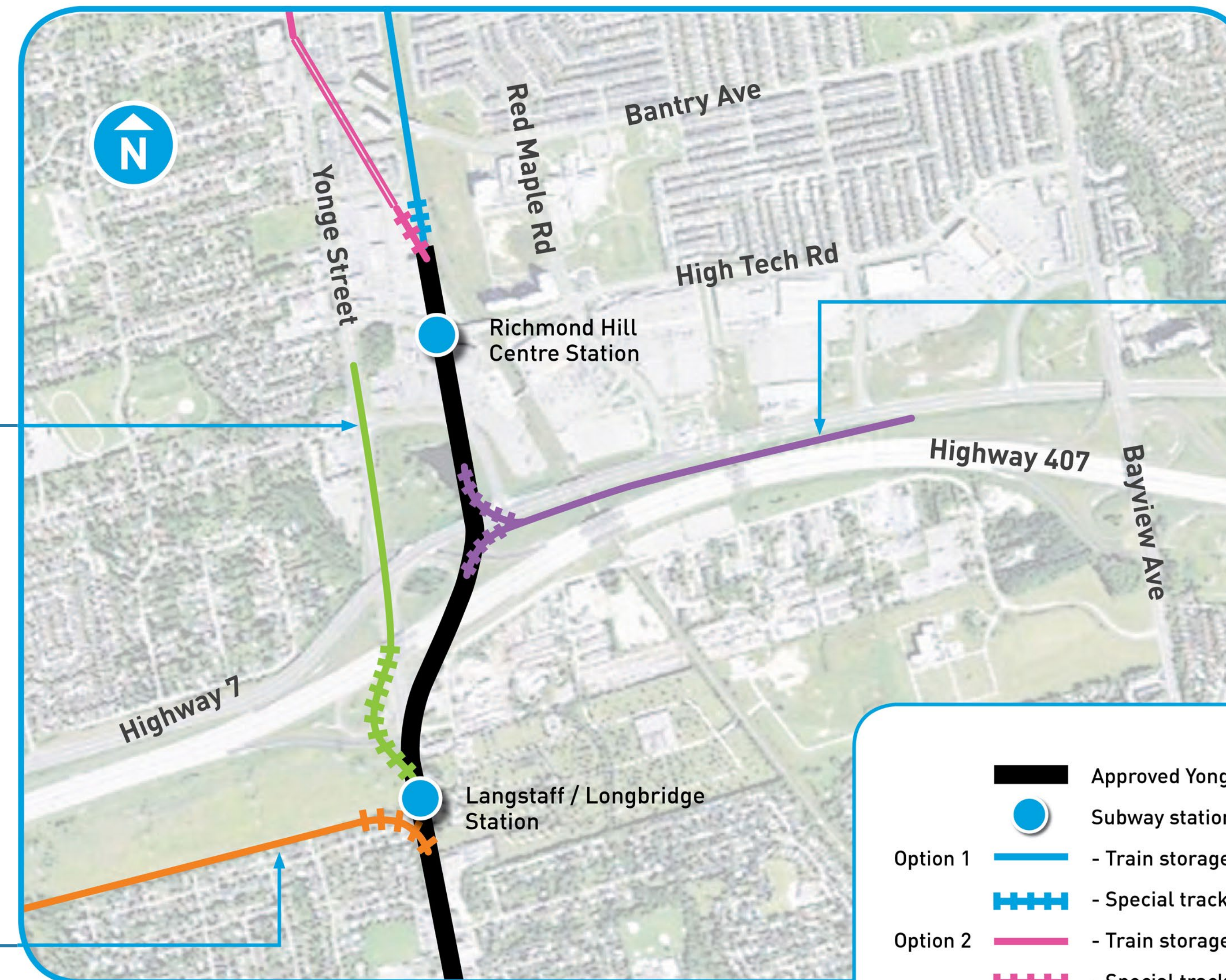
# options 3, 4 and 5 - process of elimination

## Option 3

- Constructability issues with building under Highway 407 bridge.
- Operational issues with trains backtracking to Richmond Hill Centre.
- Requires property for building along Yonge Street.

## Option 5

- Significant environmental impacts - train storage extends into West Don River Valley.
- Operational issues associated with reverse movements of trains in and out of the mainline.



## Option 4

- Constructability issues with building between major highways and under rail corridor.
- Special track work increases the distance between Richmond Hill
- Centre Station and Langstaff / Longbridge station.

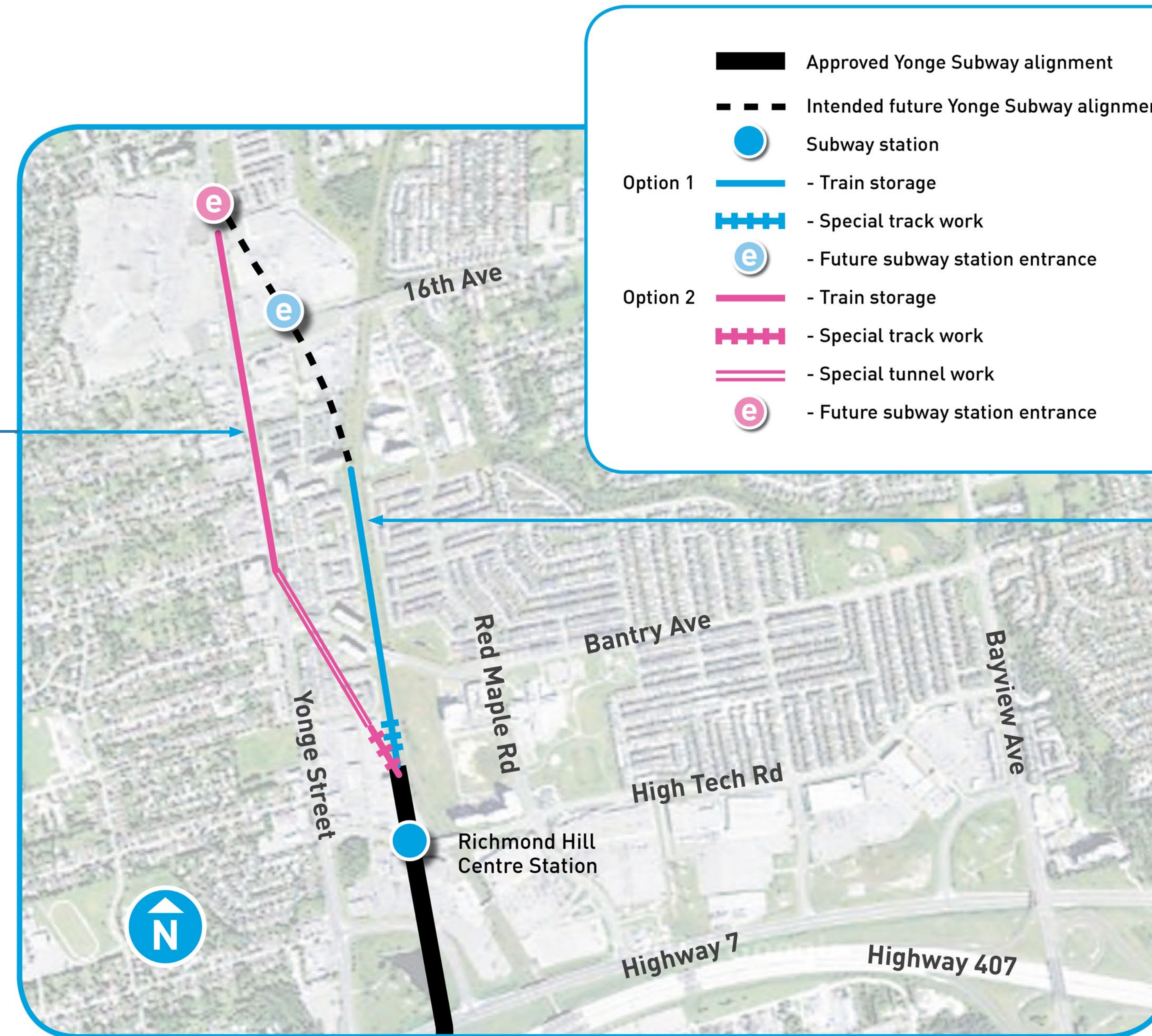
	Approved Yonge Subway alignment
	Subway station
Option 1	- Train storage
	- Special track work
Option 2	- Train storage
	- Special track work
	- Special tunnel work
Option 3	- Train storage
	- Special track work
Option 4	- Train storage
	- Special track work
Option 5	- Train storage
	- Special track work



# options 1 and 2 - detailed analysis

## Option 2

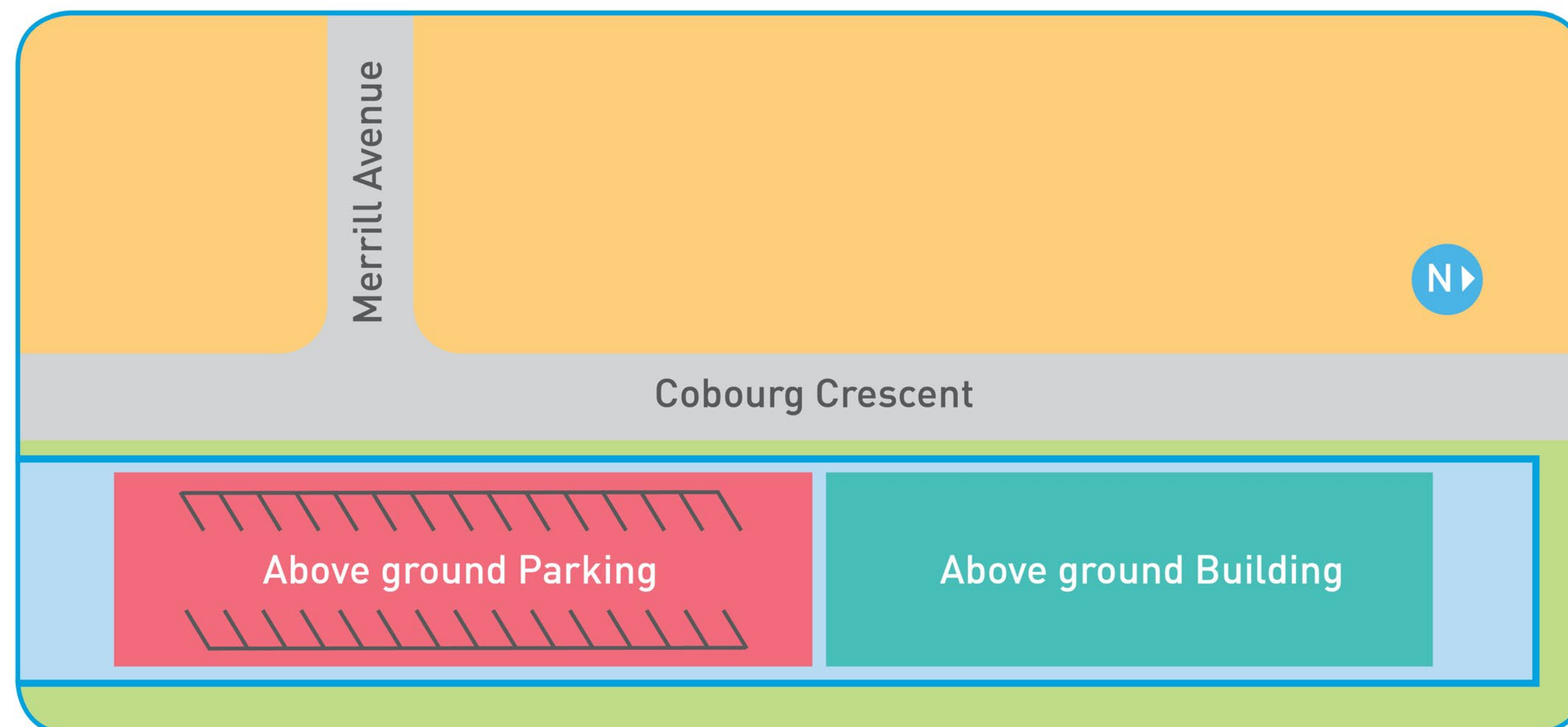
- Underground facility directly under Yonge Street, north of Bantry Avenue.
- Construction will tunnel under residential properties to return to Yonge Street and use cut and cover techniques along Yonge Street, including some disruption at the street level and temporary decking to accommodate Yonge Street traffic.
- Significant impact on properties and traffic along Yonge Street.
- Higher capital costs.
- Pushes future 16th Avenue Subway Station well north of 16th Avenue.
- Requires property for building along Yonge Street.



## Option 1

- Underground facility east of Yonge Street, adjacent to the GO rail tracks.
- Construction will be adjacent to the rail property immediately to the west of the rail tracks, within property currently owned by Town of Richmond Hill and CN Rail.
- Some lane closures will be needed on Beresford Drive and Coburg Crescent, however, access will be maintained to residences in the area.
- No impacts to property and traffic on Yonge Street.
- Lower capital costs.
- Requires Bantry Avenue bridge to be rebuilt and traffic diversions will be required.
- Future 16th Avenue Subway Station will be 150 metres east of Yonge Street.

# preferred option - 1



- Three underground train tracks, side-by-side, beside the GO rail tracks.
- From just north of High Tech Road, to the north section of Cobourg Crescent.
- On the north end of the underground train storage facility, a parking lot and a utility building will be located aboveground to allow staff to park their vehicles and access the underground facility.

# we want to know what you think

- Fill out a community consultation form in paper or on [vivanext.com](http://vivanext.com).
- Ask us questions, and discuss options and impacts.
- To receive an invitation to a follow-up meeting, and information about the Yonge Subway Extension project, sign up for updates on [vivanext.com](http://vivanext.com).



vivanext: Sign up for Updates - Windows Internet Explorer

Home Projects Information Media Centre Out & About

## VIVAnext

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Richmond Hill

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Simply select the projects you are interested in below.

<input type="checkbox"/> E-Newsletter	<input type="checkbox"/> Yonge extension
<b>Rapidways</b>	<input type="checkbox"/> Spadina extension
<input type="checkbox"/> Davis Drive - Newmarket	<b>Light Rail Transit</b>
<input type="checkbox"/> Highway 7 E - Markham/Richmond Hill	<input type="checkbox"/> Don Mills Rd/Leslie St
<input type="checkbox"/> Highway 7 W - Vaughan	<input type="checkbox"/> Jane St
<input type="checkbox"/> Yonge Street - Newmarket	
<input type="checkbox"/> Yonge Street - Richmond Hill	

Yes, I have read, understood and agree to the [privacy policy](#)

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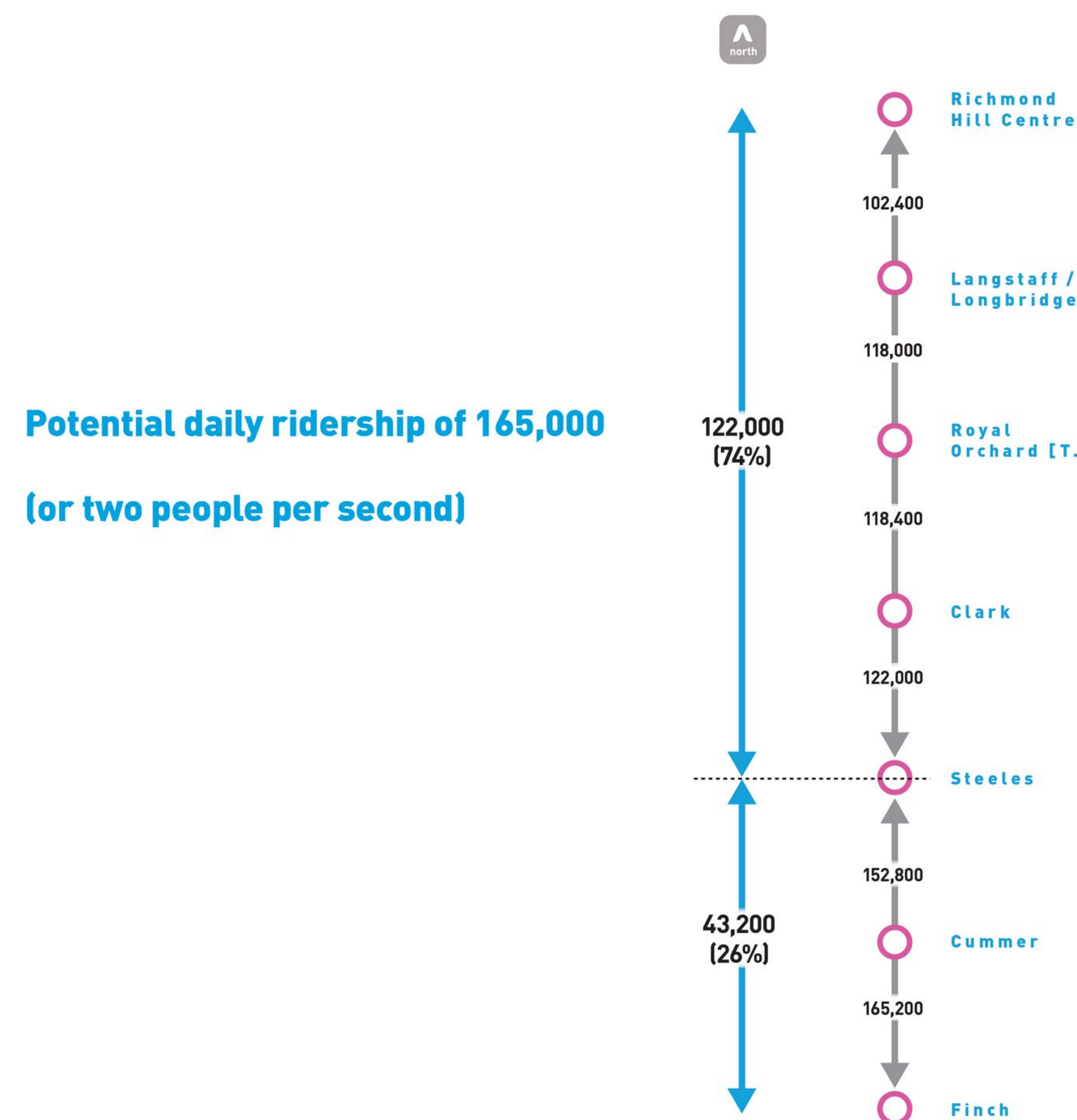


# the big move - next steps

Funding has not yet been secured for this project which would provide the critical missing link to a regional transit system. With the Environmental Assessment approved and the Conceptual Design Study completed, this project is truly in a state of readiness for funding.

The Yonge Subway Extension would be:

- A critical link in a Greater Toronto and Hamilton Area regional transportation network.
- The best strategy to move people through the already crowded roadway between Finch and Highway 7.
- A responsible investment based on solid development plans, approved policy documents, and existing and new riders.
- An effective way to reduce road congestion and air pollution, with increased subway ridership.
- Meeting demand – York Region has the highest growth rate in the GTA for the past 10 years.



# timeline



## key 2013 dates

### May 1

- today's open house

### summer 2013

- follow-up meeting

### fall / winter 2013

- submit addendum to Ministry of the Environment, followed by 30-day public review period.



## project preliminary timeline

Yonge Subway Extension Environmental Assessment including Public Consultation

started in 2006 - approved in 2009

TTC Subway Rail Yard Needs Study

2009 - 2013

Conceptual Design Study

Train Storage Addendum to the Environmental Assessment

2013

Preliminary Engineering

Funding / Construction

# let's keep in touch

- We want to let you know what's happening, so be sure to sign up for construction notices at [vivanext.com/signup](http://vivanext.com/signup), read our blog at [vivanext.com/blog](http://vivanext.com/blog), and find us on Facebook and Twitter.
- You'll also receive newsletters from us in the mail, and when we're hosting another open house we'll be sure to let you know.



# community liaison info

- Having information, updates and answers makes the construction process easier. As projects move forward, we're committed to being available to you by phone, email or in person.



**Tamas Hertel**  
Community Liaison

**Tel:** 905.886.6767 Ext. 71357

**Cell:** 905.505.1430

**Email:** [tamas.hertel@york.ca](mailto:tamas.hertel@york.ca)