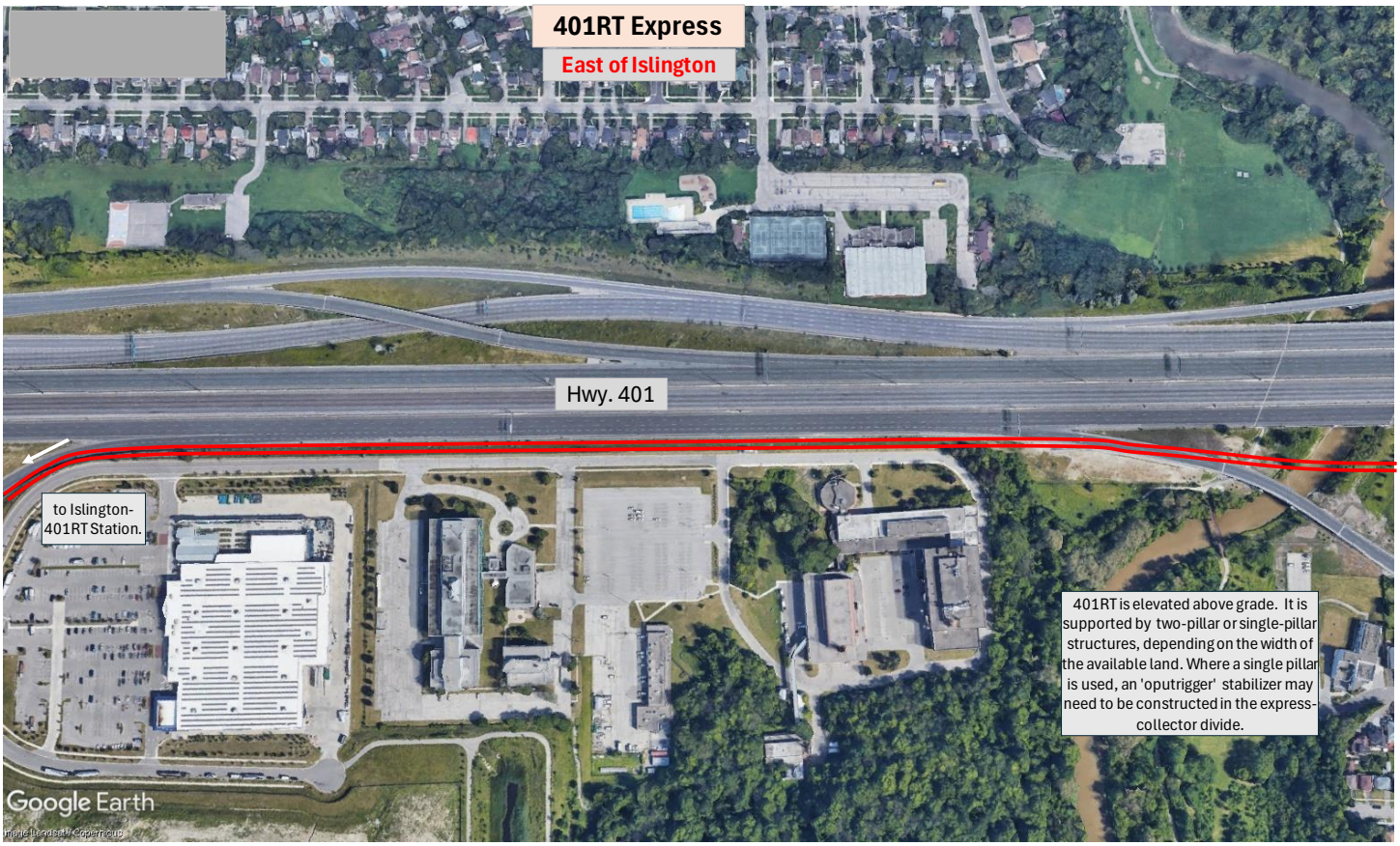
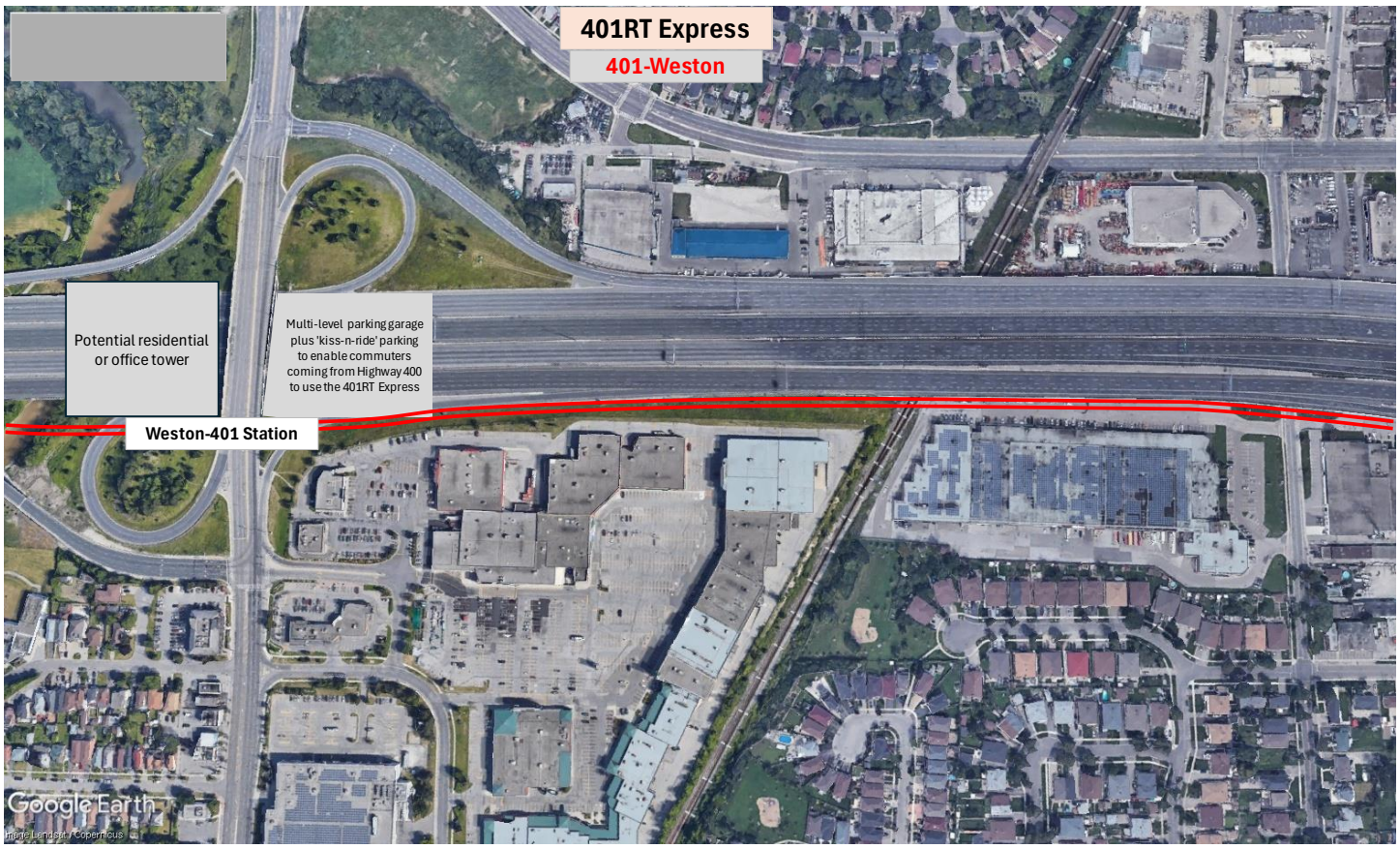
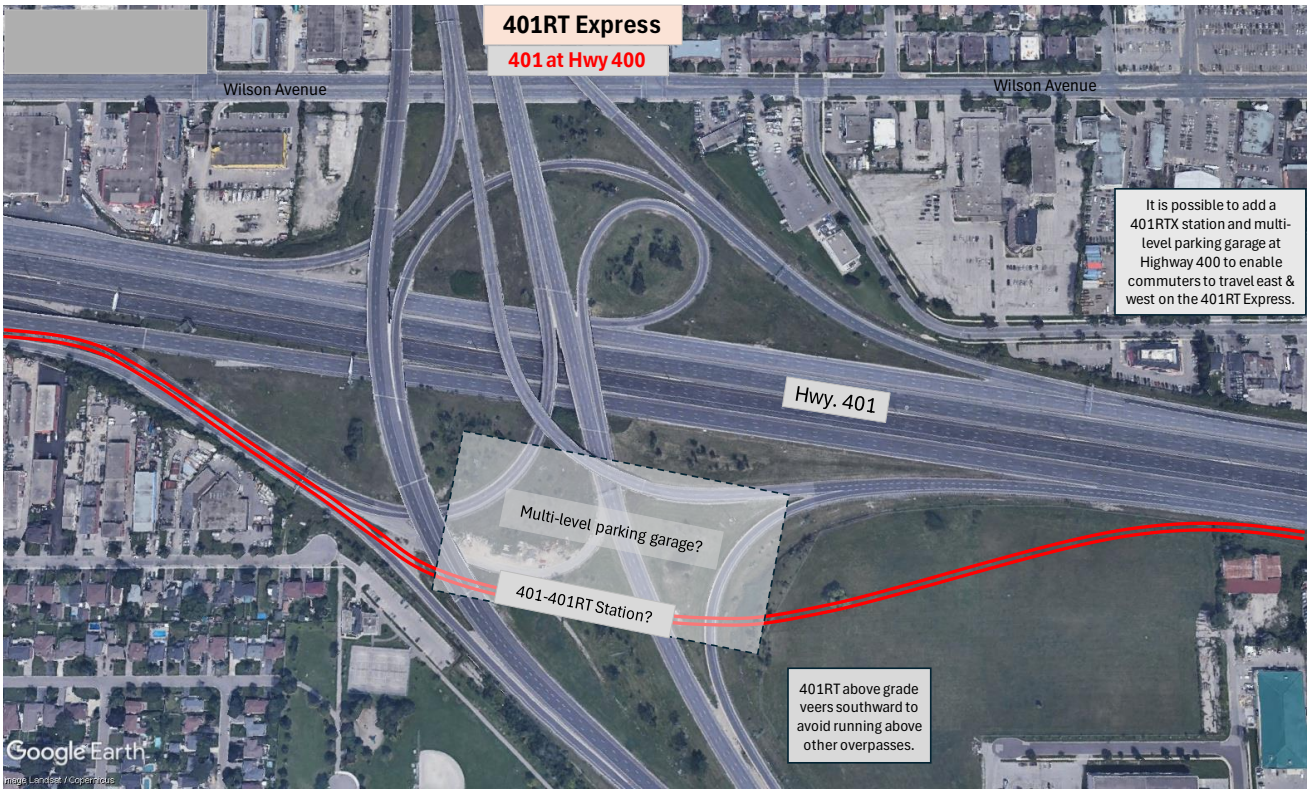
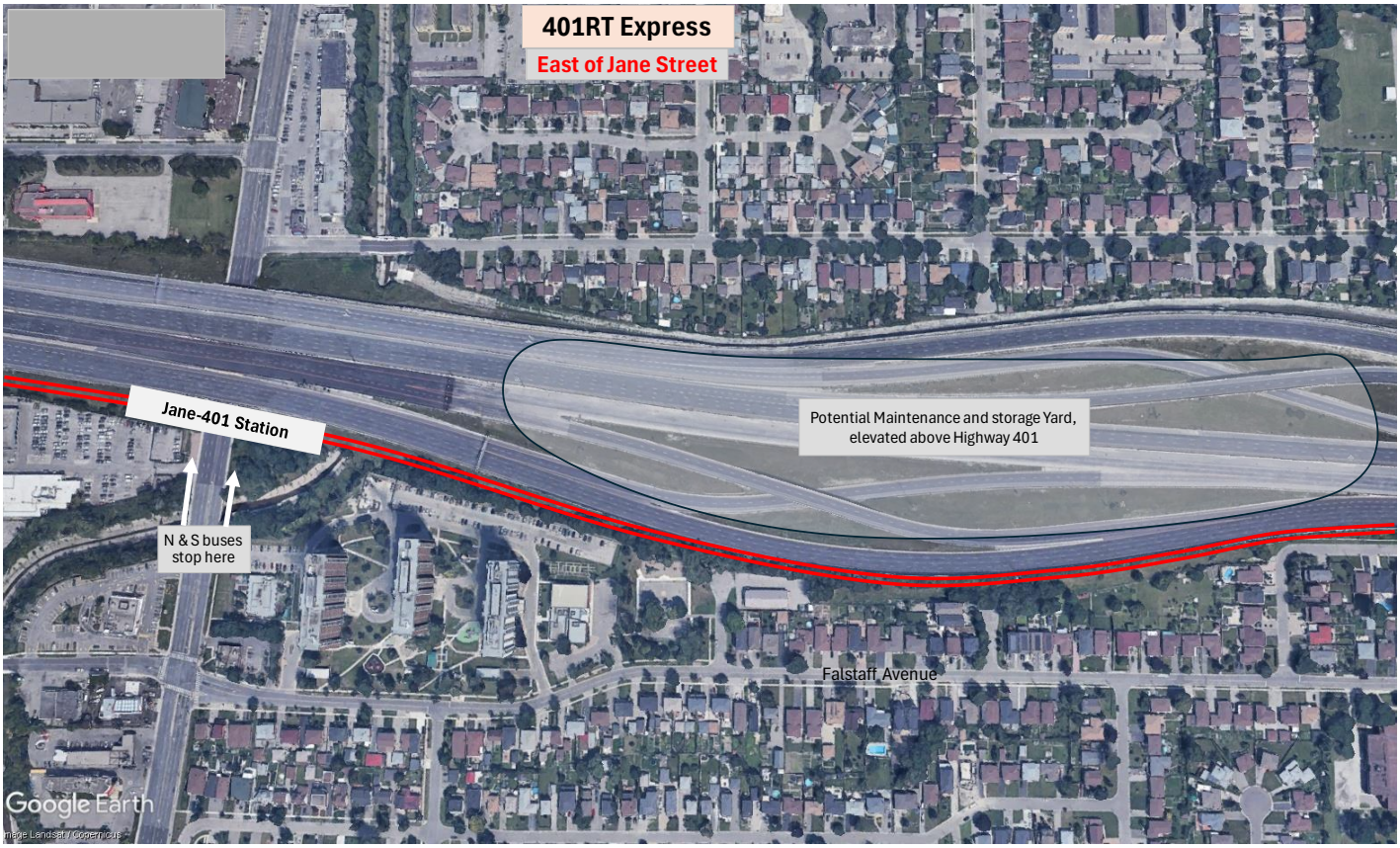
This file illustrates the 401RT Express alignment east of Islington Avenue.





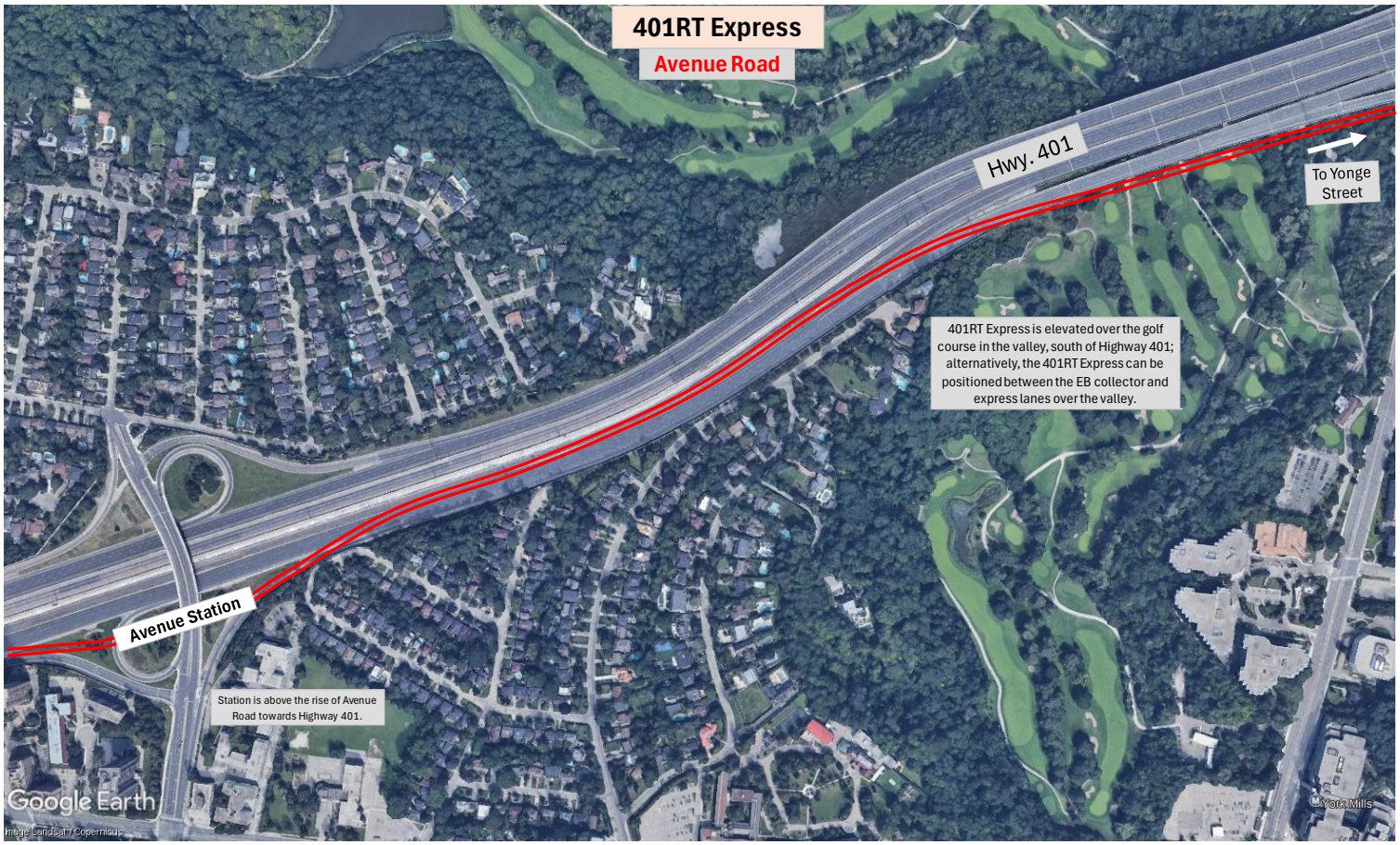

401RT Express
401 at Hwy 400
Wilson Avenue
Wilson Avenue
It is possible to add a 401RTX station and multi-level parking garage at Highway 400 to enable commuters to travel east & west on the 401RT Express.
Hwy. 401
Multi-level parking garage?
401-401RT Station?
401RT above grade veers southward to avoid running above other overpasses.
Google Earth

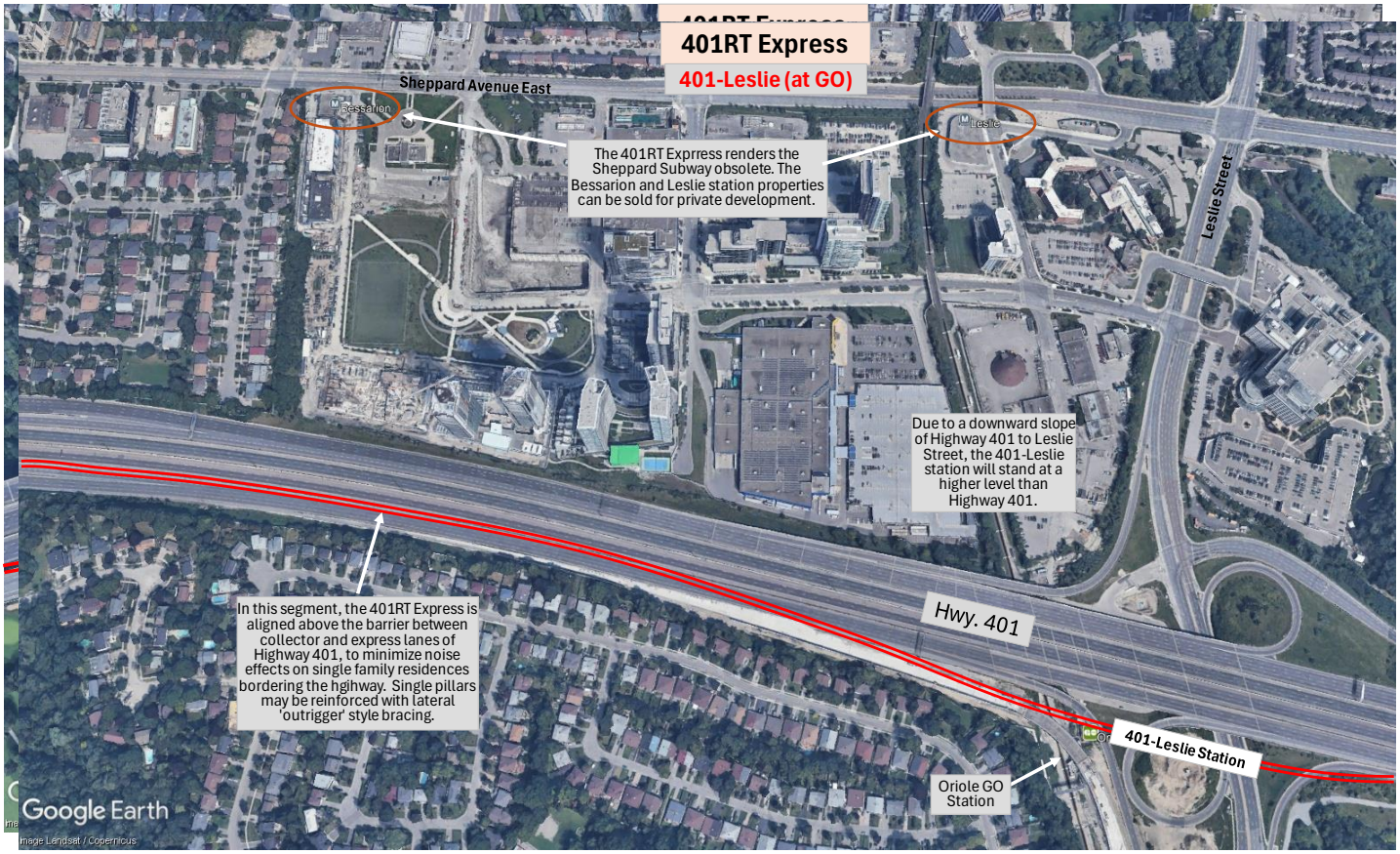

401RT Express
East of Jane Street
Jane-401 Station
N & S buses stop here
Potential Maintenance and storage Yard, elevated above Highway 401
Falstaff Avenue
Google Earth


401RT Express
Keele + Barrie GO
Hwy. 401
Keele-401 Station
Barrie GO-401 Station
Although 401RT Express trains move quietly past residential areas, there may be a need to veer the 401RT to above the collector lanes of Hwy 401
This station would require expropriation of land to create limited GO parking + for support posts under 401RTX tracks E & W of station, plus land for a coverd walkway to/from the Caledonia bus stop.
Google Earth

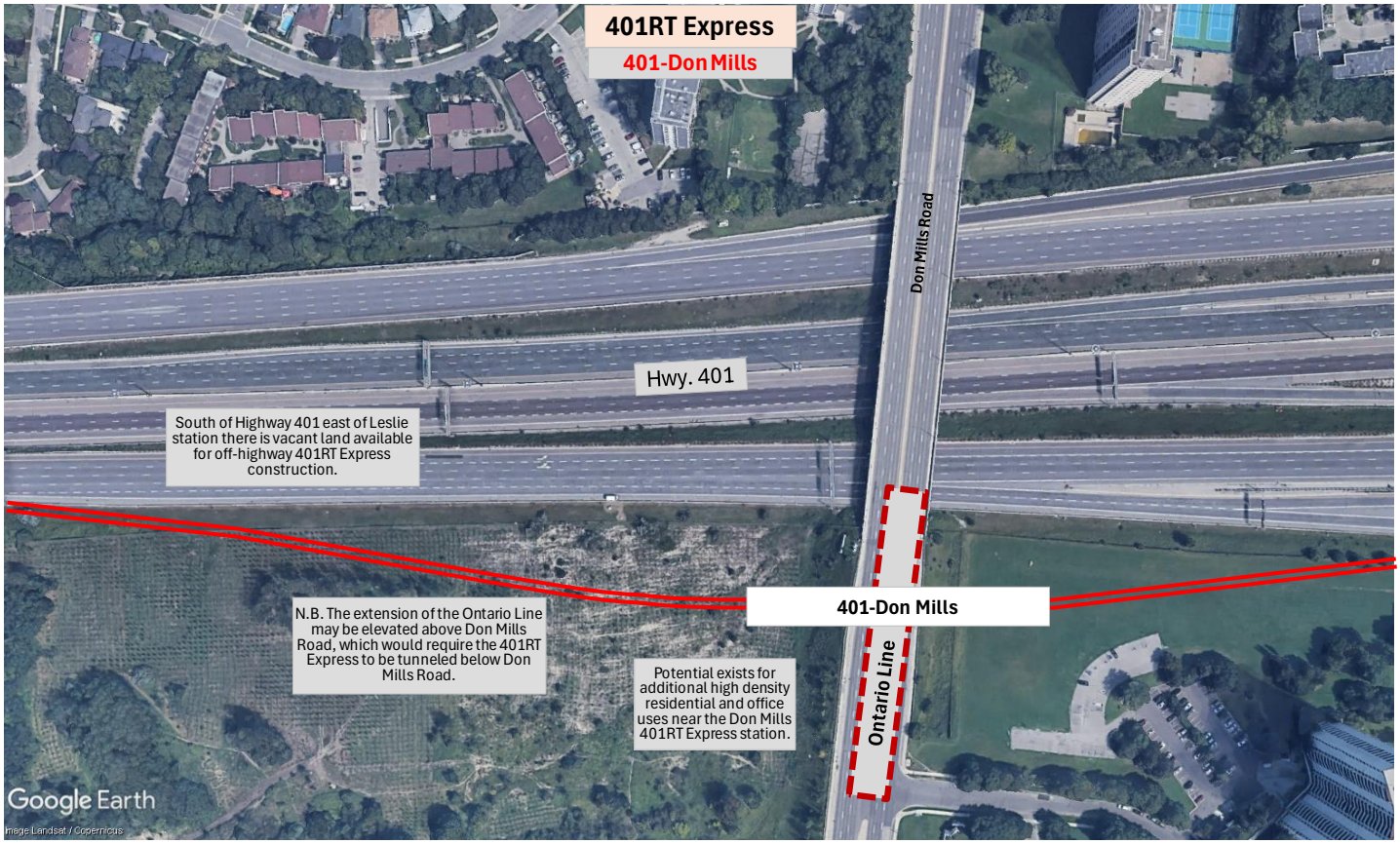

401RT Express
Dufferin-Yorkdale
Hwy. 401
Transition to/from underground
401-Dufferin
Yorkdale Mall
401RT Express underground segment to Yorkdale Station
Yorkdale Station
401RT Express station is underneath the Line 1 Yorkdale station
Google Earth

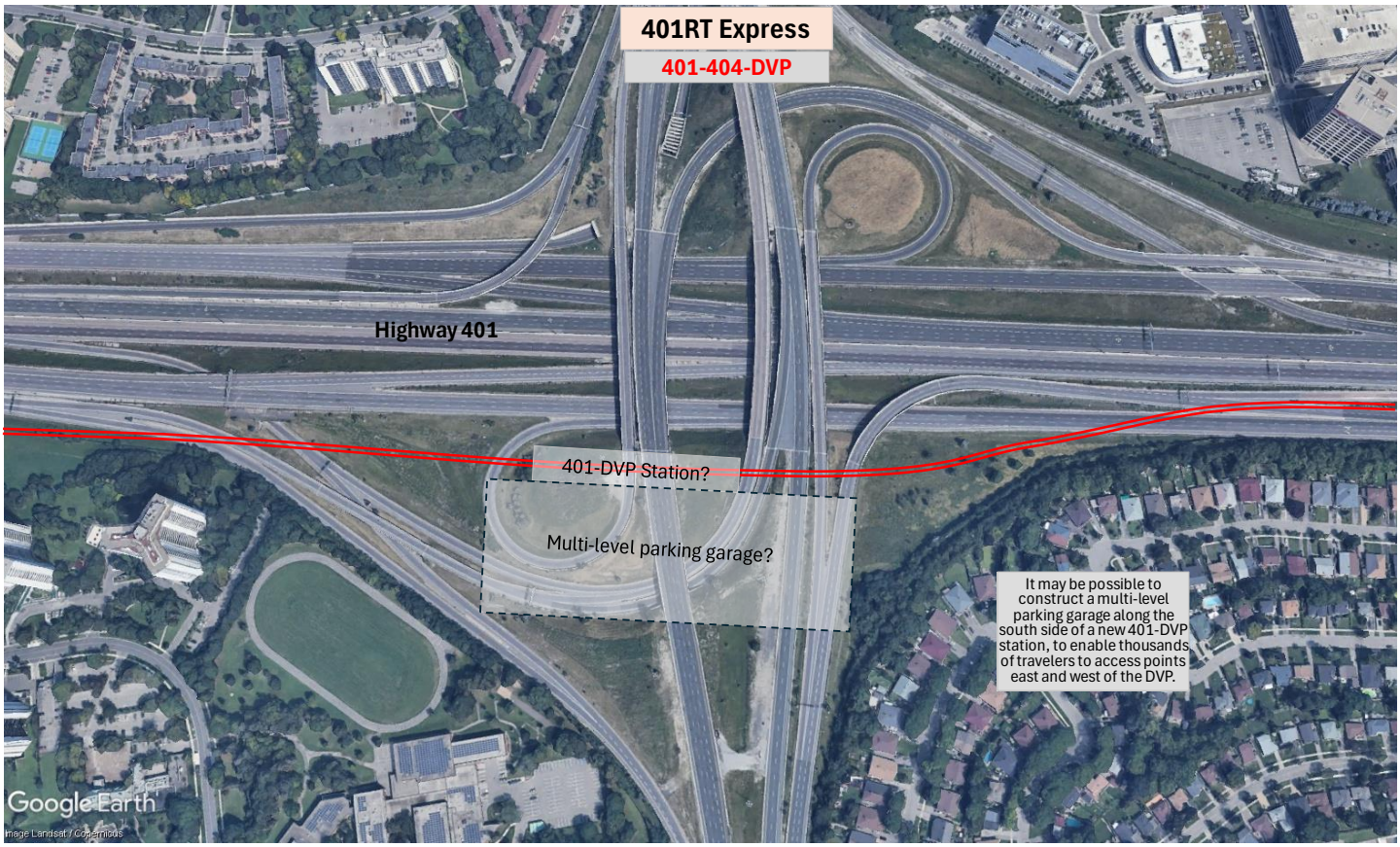

401RT Express
Yorkdale to Bathurst
Hwy. 401
401-Bathurst
At this location, the 401RT Express is on single pillars straddling collector and express lanes. Lane adjustments may be necessary.
Transition to/from underground
This station has a cente platform with access south of Highway 401. Very limited space for bus stops. No space for a Kiss'n'Ride loop. Access may be by walking or by transit only. This station will require expropriations of several residential propeerties.
Yorkdale Station
Line 1 Yorkdale station.
Bathurst Street
401RTX-Yorkdale station is below the Line 1 Yorkdale station.
Image Landsat / Copernicus

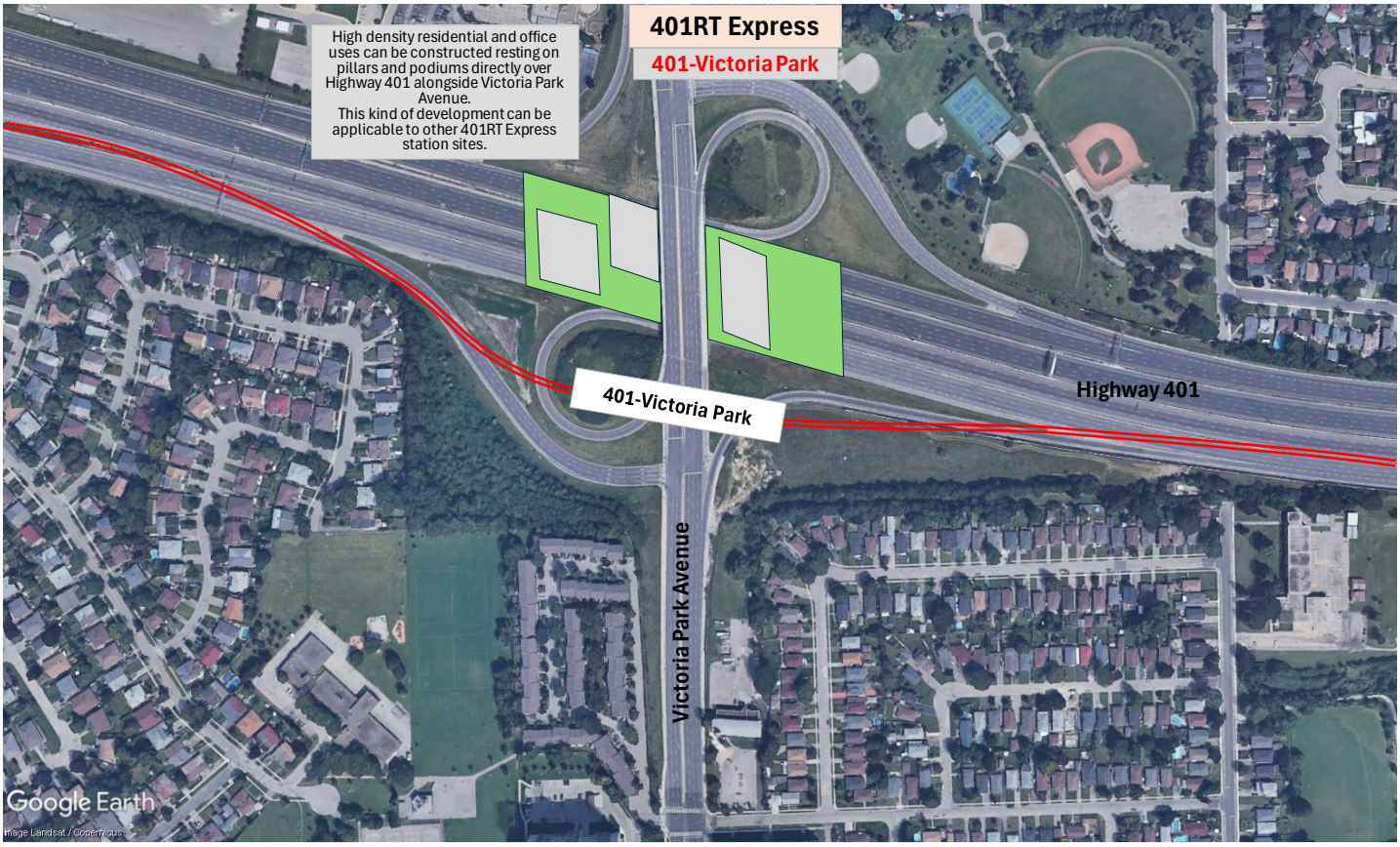

401RT Express
Avenue Road
Hwy. 401
To Yonge Street
401RT Express is elevated over the golf course in the valley, south of Highway 401; alternatively, the 401RT Express can be positioned between the EB collector and express lanes over the valley.
Avenue Station
Station is above the rise of Avenue Road towards Highway 401.
Google Earth
Image Landsat / Copernicus
York Mills


401RT Express
401-Leslie (at GO)
Sheppard Avenue East
Bessarion
Leslie
The 401RT Exprress renders the Sheppard Subway obsolete. The Bessarion and Leslie station properties can be sold for private development.
Leslie Street
Due to a downward slope of Highway 401 to Leslie Street, the 401-Leslie station will stand at a higher level than Highway 401.
In this segment, the 401RT Express is aligned above the barrier between collector and express lanes of Highway 401, to minimize noise effects on single family residences bordering the hgihway. Single pillars may be reinforced with lateral 'outrigger' style bracing.
Hwy. 401
401-Leslie Station
Oriole GO Station
Google Earth
Image Landsat / Copernicus

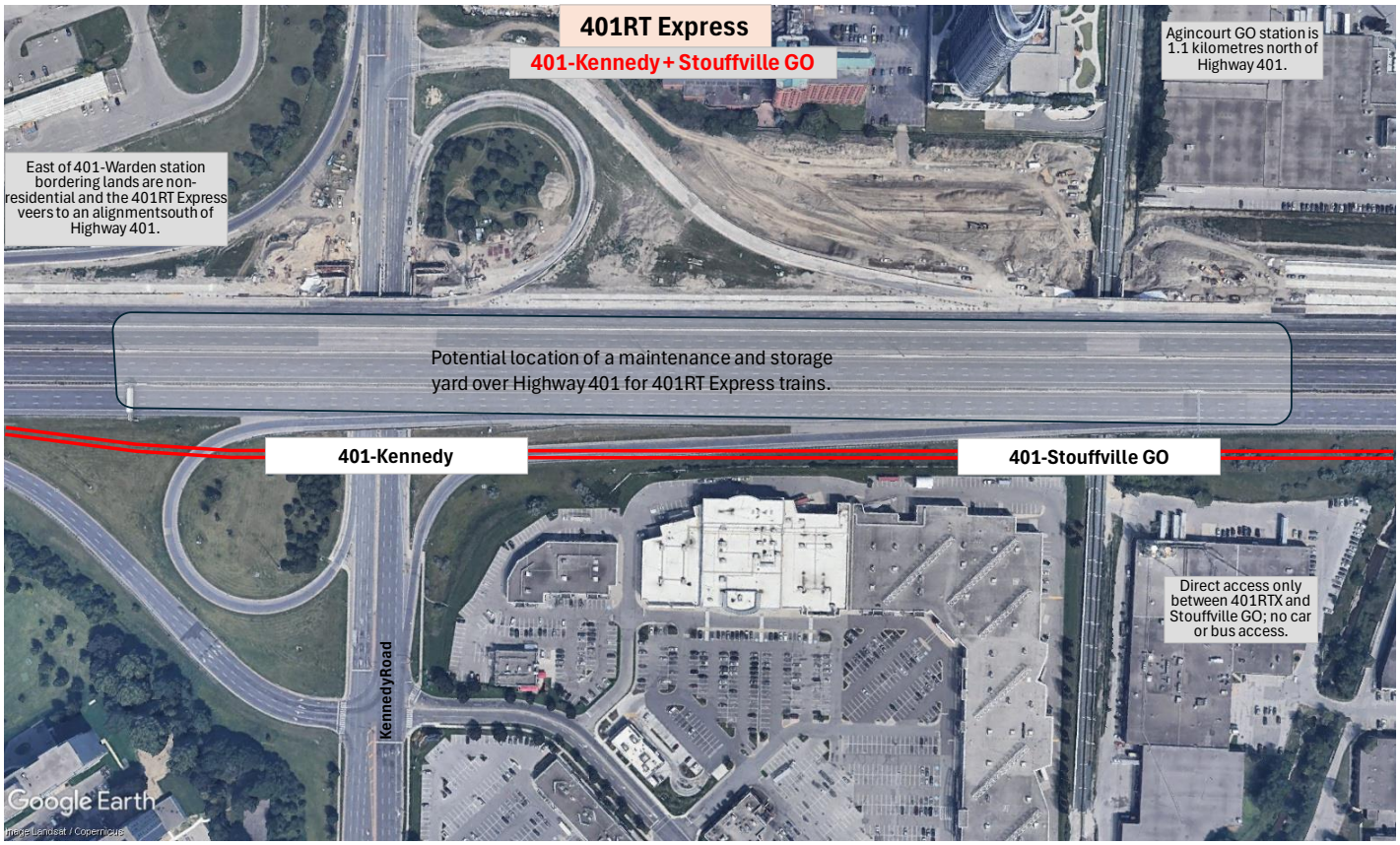

401RT Express
401-Bayview
Sheppard Avenue East
Bayview
Bayview Avenue
The Sheppard Subway becomes obsolete. Bayview station propperty is sold for private development.
401-Bayview
Google Earth
Image Landsat / Copernicus

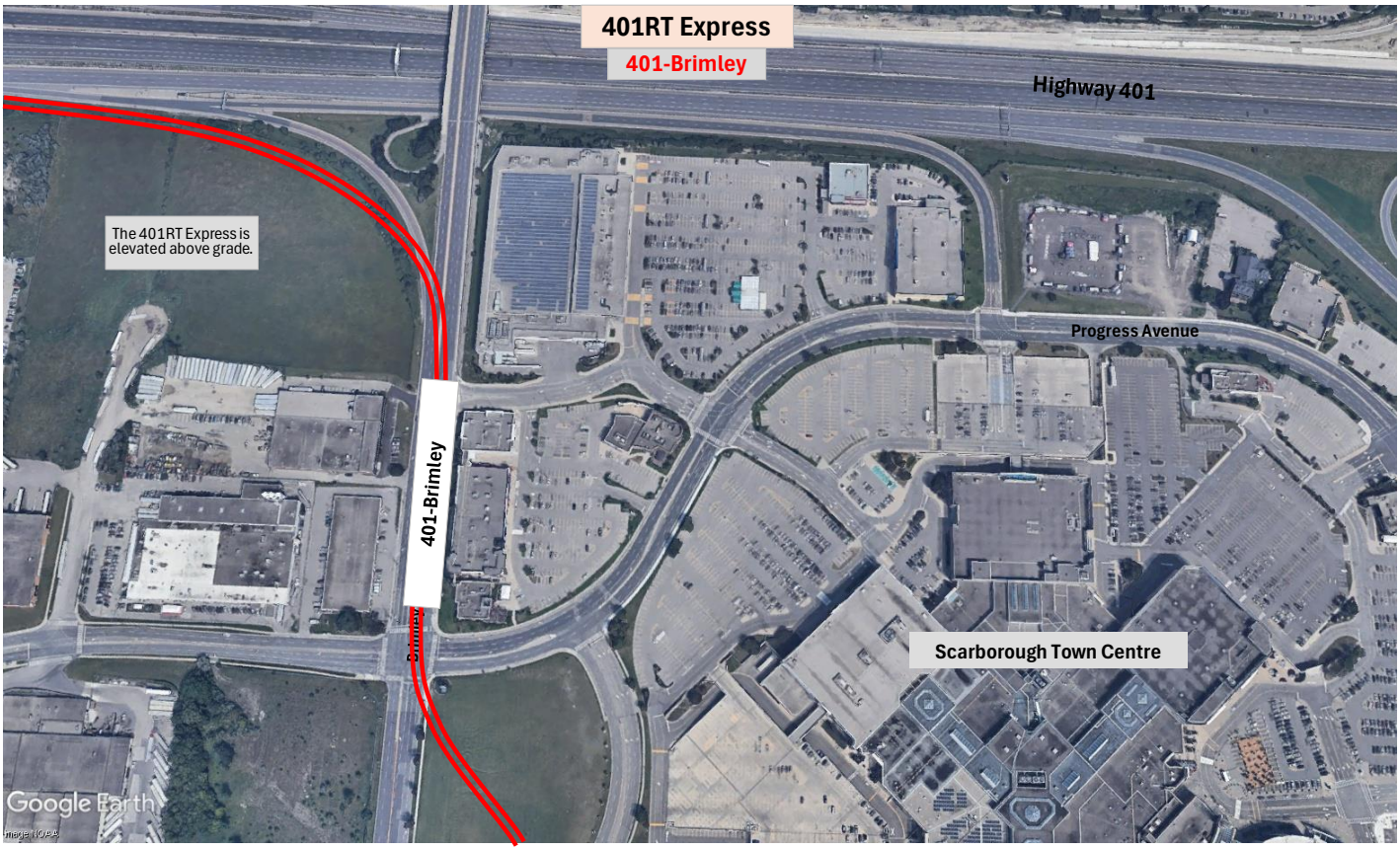

401RT Express
401-Don Mills
Don Mills Road
Hwy. 401
South of Highway 401 east of Leslie station there is vacant land available for off-highway 401RT Express construction.
401-Don Mills
N.B. The extension of the Ontario Line may be elevated above Don Mills Road, which would require the 401RT Express to be tunneled below Don Mills Road.
Potential exists for additional high density residential and office uses near the Don Mills 401RT Express station.
Ontario Line
Google Earth
Image Landsat / Copernicus

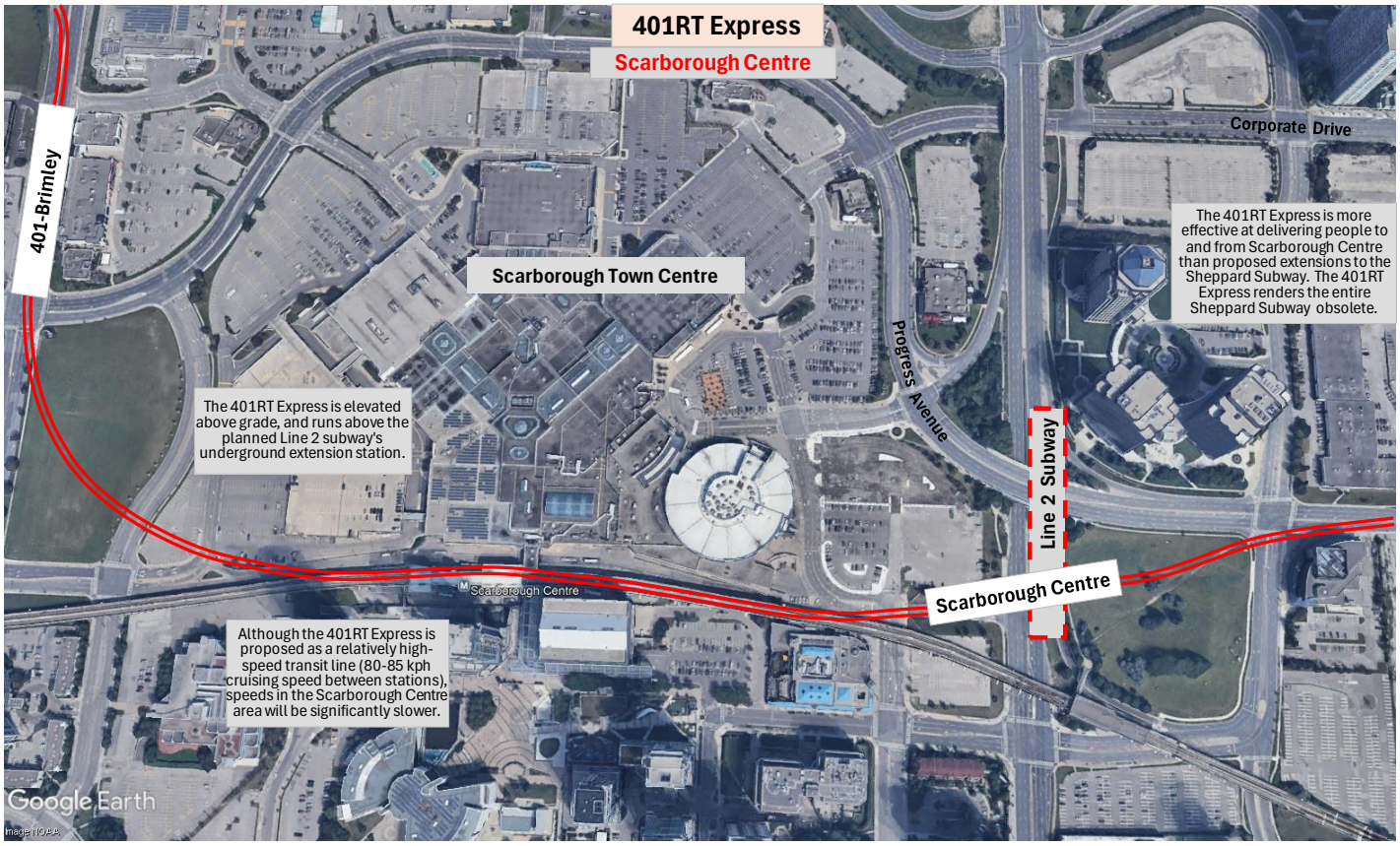

401RT Express
401-404-DVP
Highway 401
401-DVP Station?
Multi-level parking garage?
It may be possible to construct a multi-level parking garage along the south side of a new 401-DVP station, to enable thousands of travelers to access points east and west of the DVP.
Google Earth
Image Landsat / Copernicus

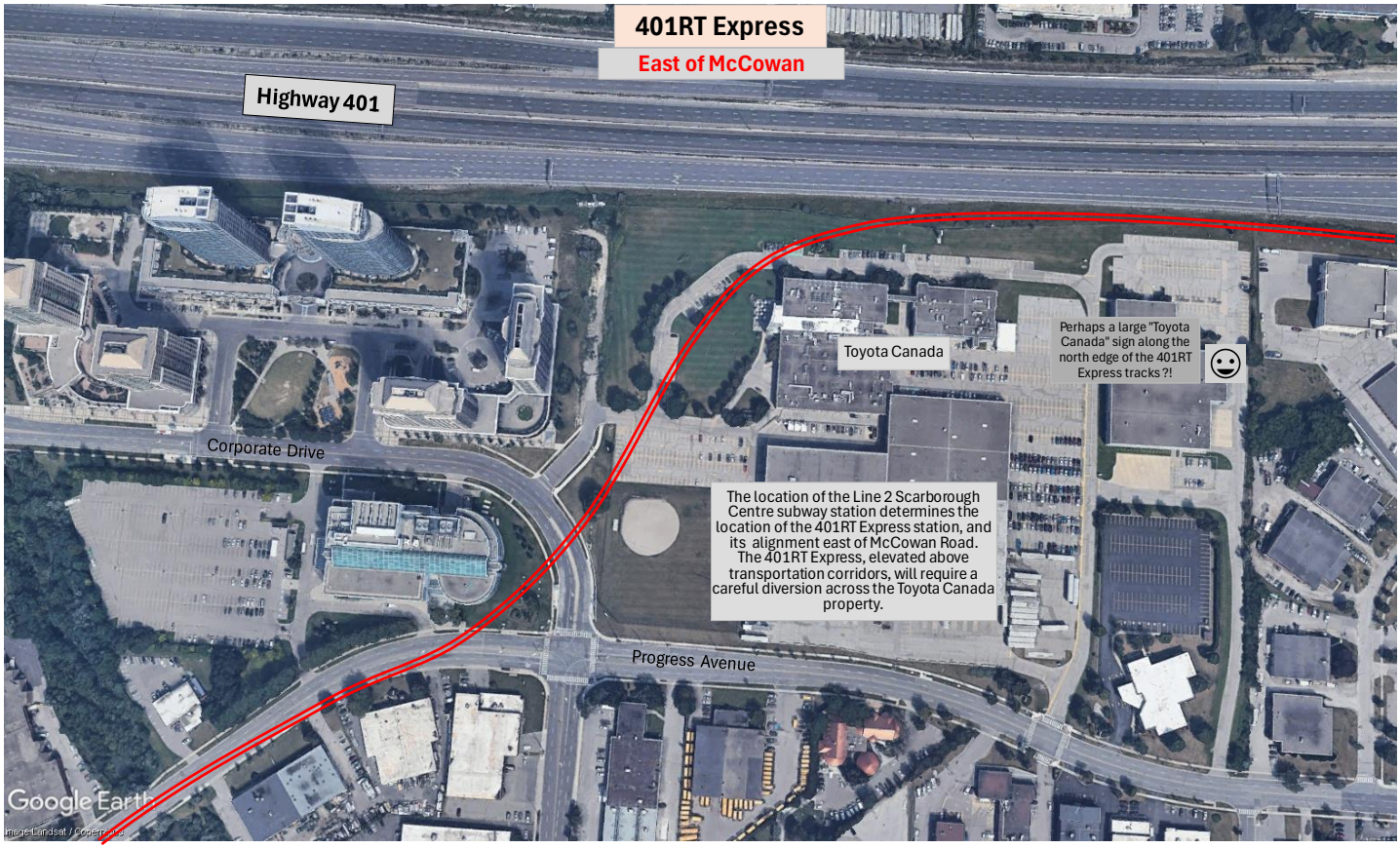

401RT Express
401-Victoria Park
High density residential and office uses can be constructed resting on pillars and podiums directly over Highway 401 alongside Victoria Park Avenue.
This kind of development can be applicable to other 401RT Express station sites.
401-Victoria Park
Highway 401
Victoria Park Avenue
Google Earth
Image Landsat / Copernicus

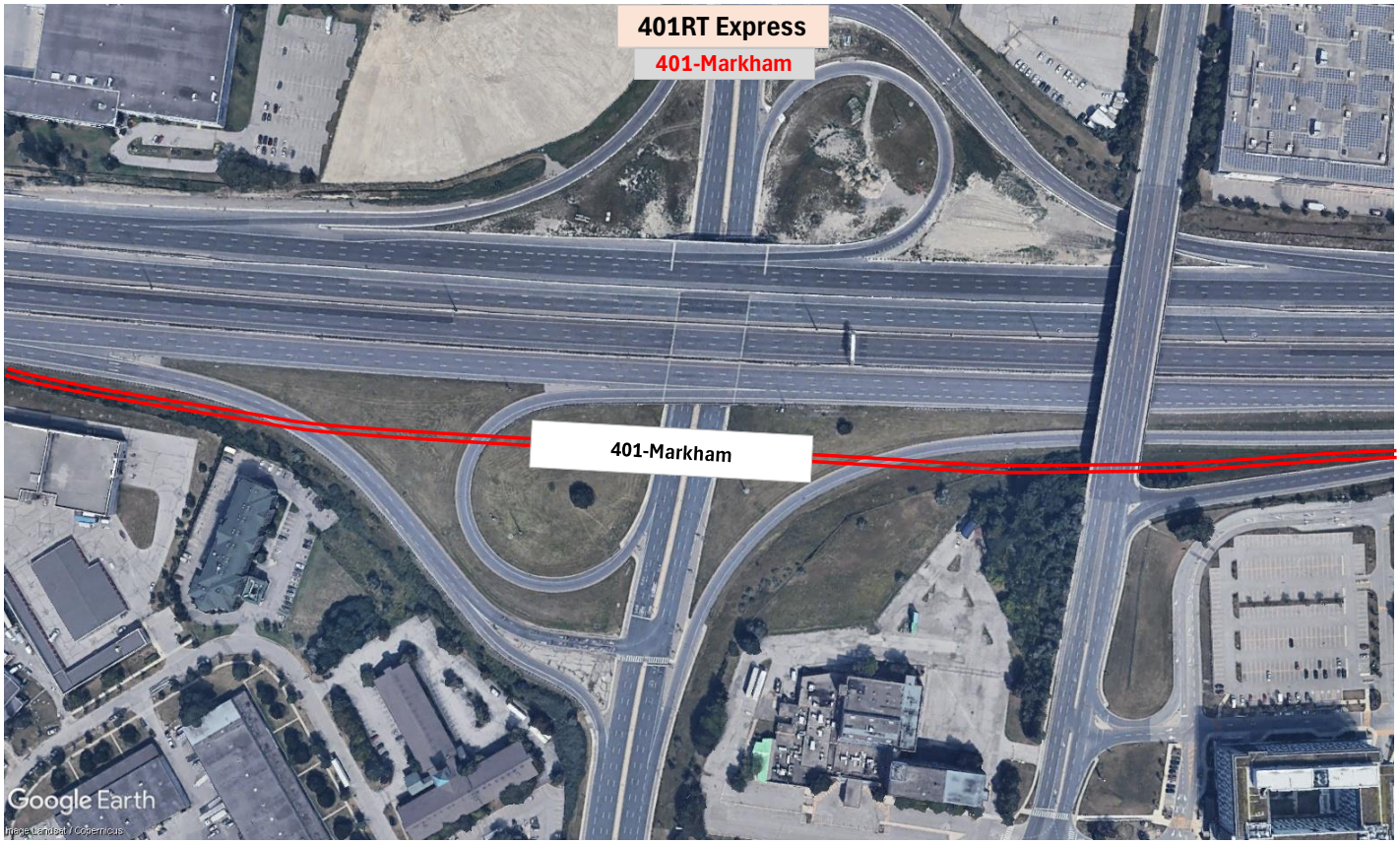

401RT Express
401-Warden
Hwy. 401
401-Warden
This station is directly above Hwy 401 (high). Will require construction on both sides of Warden avenue above the 401 for station entrances and elevatorts/stairs. Buses stop under the station.
Google Earth
Image Landsat / Copernicus


401RT Express
401-Kennedy + Stouffville GO
Agincourt GO station is 1.1 kilometres north of Highway 401.
East of 401-Warden station bordering lands are non-residential and the 401RT Express veers to an alignmentsouth of Highway 401.
Potential location of a maintenance and storage yard over Highway 401 for 401RT Express trains.
401-Kennedy
401-Stouffville GO
Direct access only between 401RTX and Stouffville GO; no car or bus access.
KennedyRoad
Google Earth

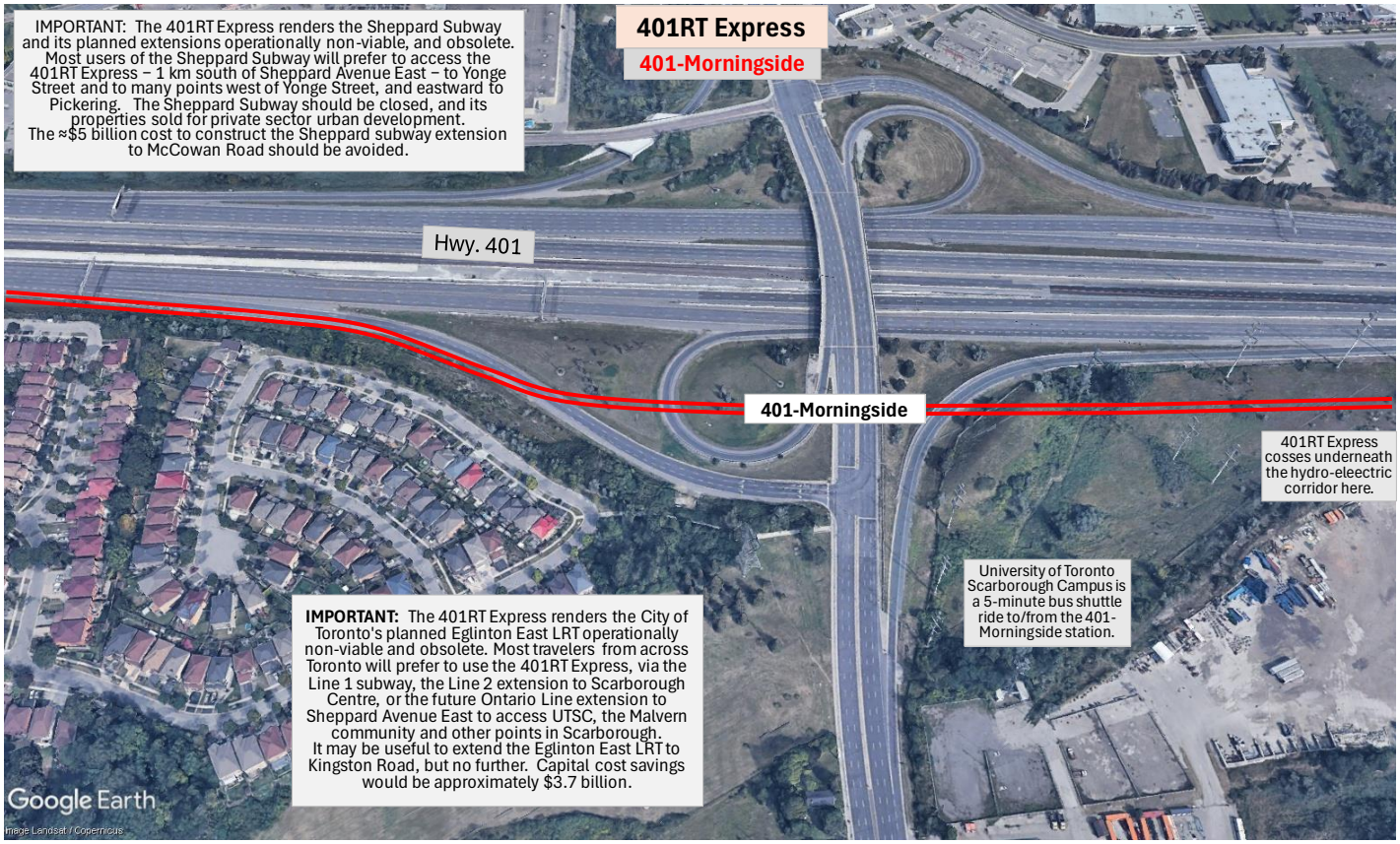

401RT Express
401-Brimley
Highway 401
The 401RT Express is elevated above grade.
Progress Avenue
401-Brimley
Scarborough Town Centre
Google Earth

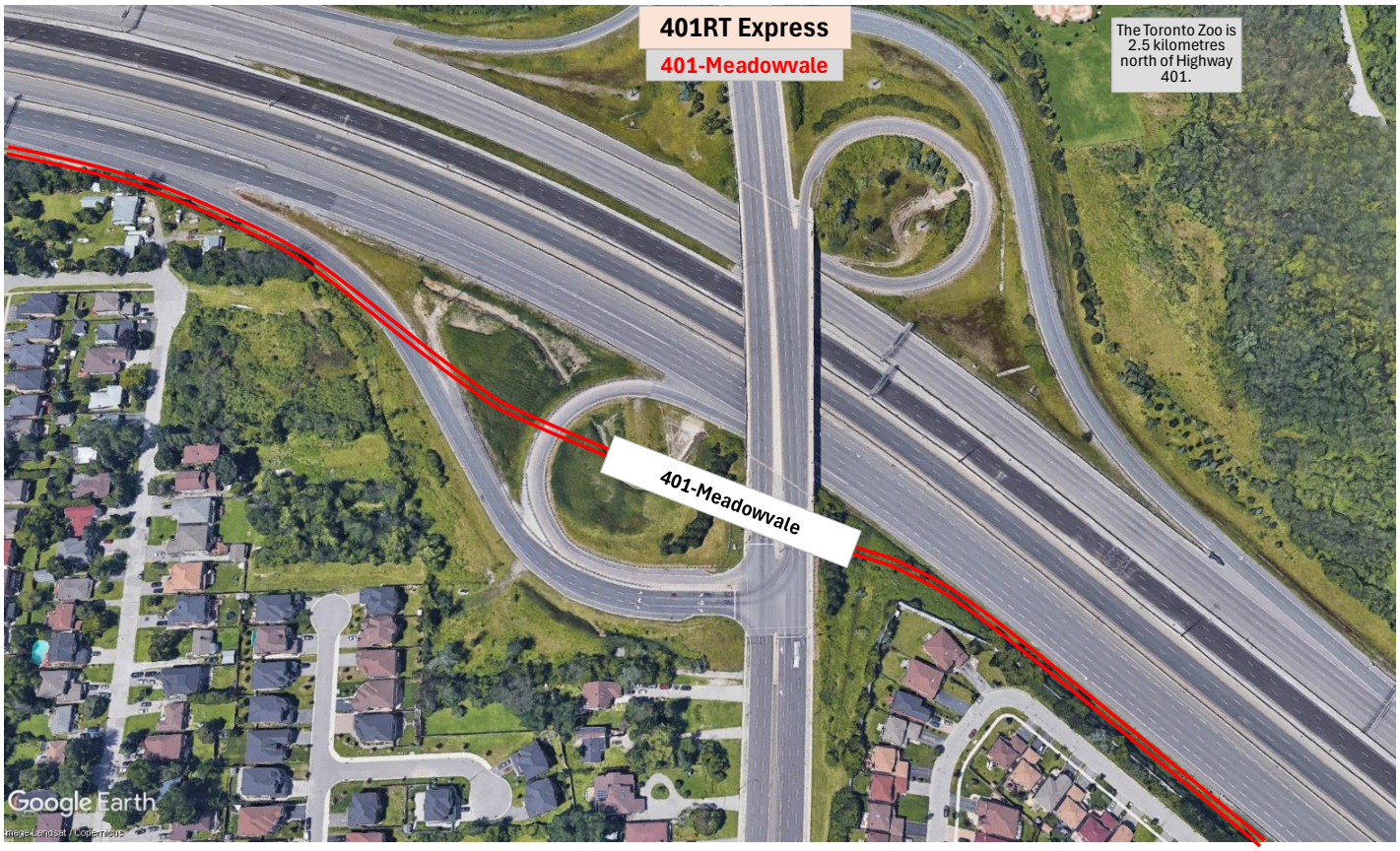

401RT Express
Scarborough Centre
401-Brimley
Corporate Drive
Scarborough Town Centre
The 401RT Express is more effective at delivering people to and from Scarborough Centre than proposed extensions to the Sheppard Subway. The 401RT Express renders the entire Sheppard Subway obsolete.
Progress Avenue
The 401RT Express is elevated above grade, and runs above the planned Line 2 subway's underground extension station.
Line 2 Subway
Scarborough Centre
Scarborough Centre
Although the 401RT Express is proposed as a relatively high-speed transit line (80-85 kph cruising speed between stations), speeds in the Scarborough Centre area will be significantly slower.
Google Earth

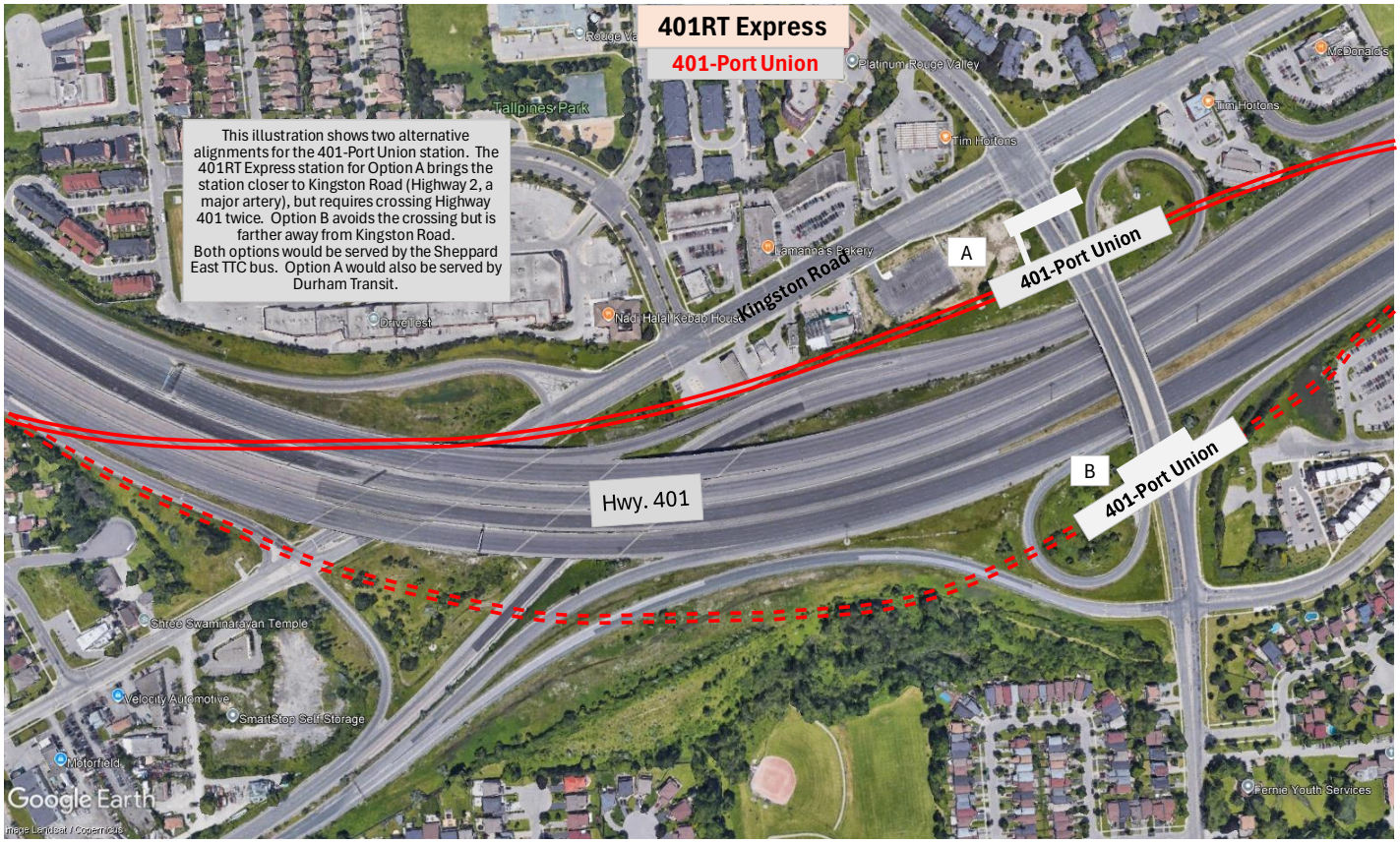

401RT Express
East of McCowan
Highway 401
Toyota Canada
Perhaps a large "Toyota Canada" sign along the north edge of the 401RT Express tracks ?!
Corporate Drive
The location of the Line 2 Scarborough Centre subway station determines the location of the 401RT Express station, and its alignment east of McCowan Road. The 401RT Express, elevated above transportation corridors, will require a careful diversion across the Toyota Canada property.
Progress Avenue
Google Earth

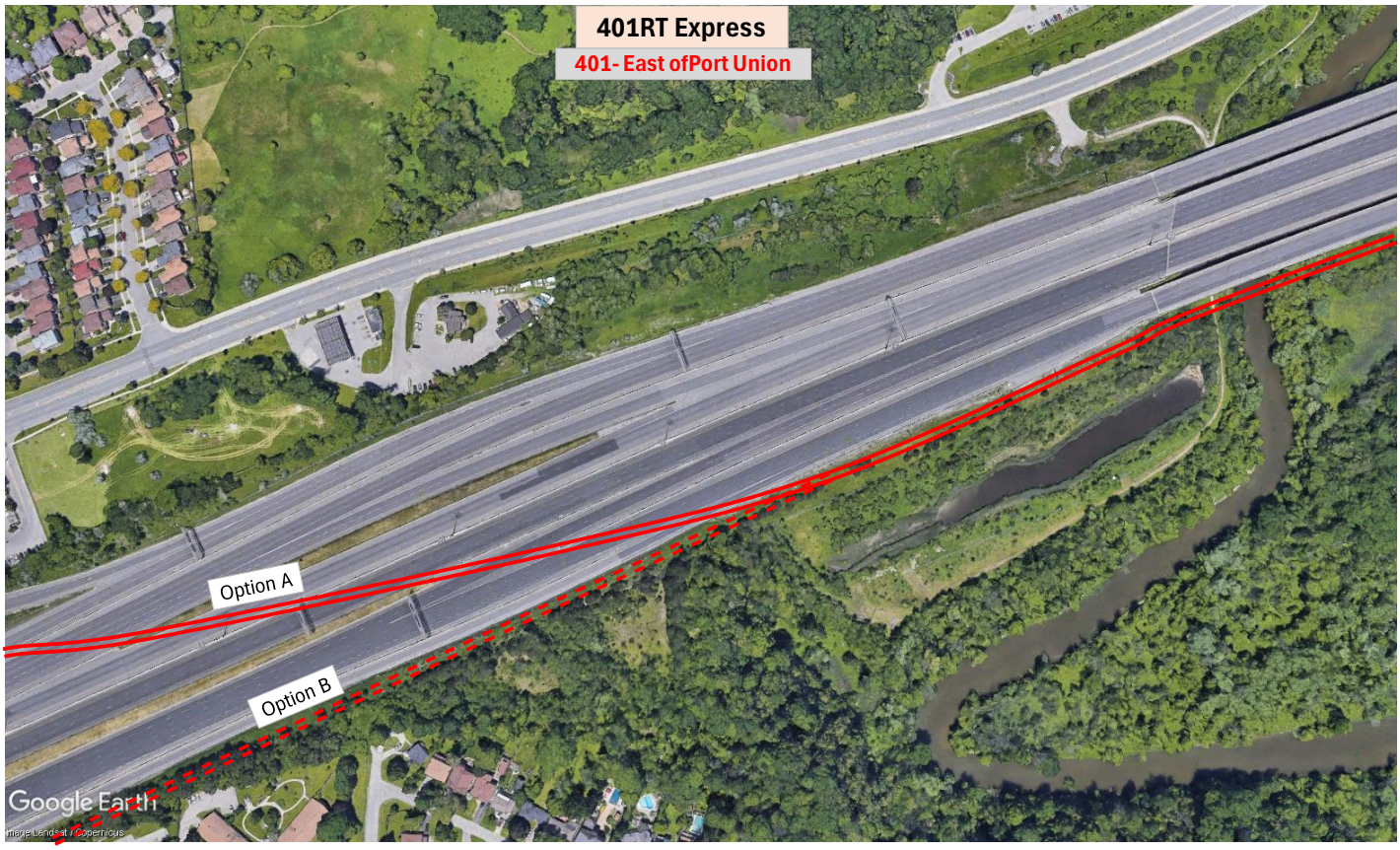

401RT Express
401-Markham
401-Markham
Google Earth


401RT Express
401-Neilson
401-Neilson
Google Earth

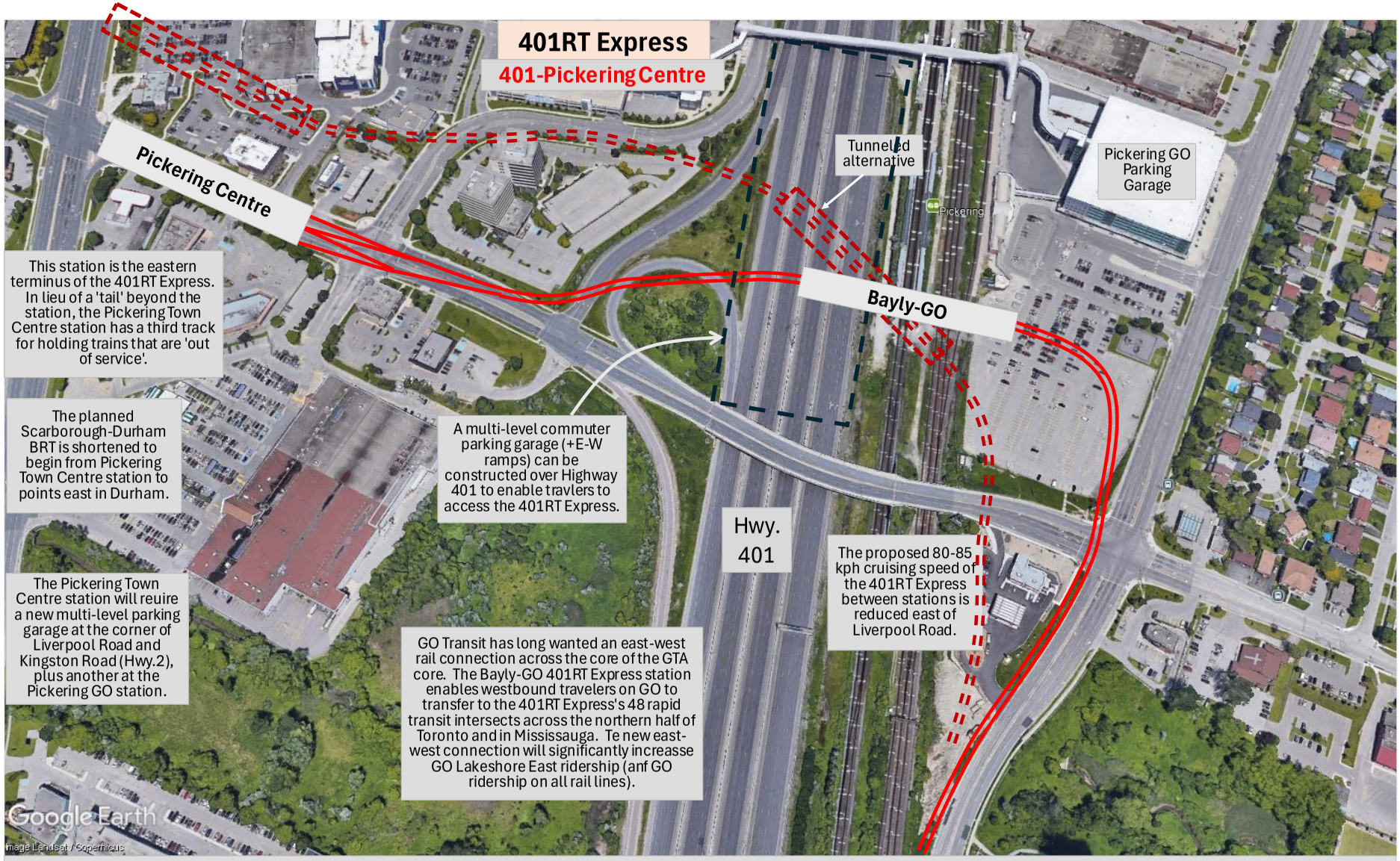

401RT Express
401-Morningside
IMPORTANT: The 401RT Express renders the Sheppard Subway and its planned extensions operationally non-viable, and obsolete. Most users of the Sheppard Subway will prefer to access the 401RT Express – 1 km south of Sheppard Avenue East – to Yonge Street and to many points west of Yonge Street, and eastward to Pickering. The Sheppard Subway should be closed, and its properties sold for private sector urban development. The ≈$5 billion cost to construct the Sheppard subway extension to McCowan Road should be avoided.
Hwy. 401
401-Morningside
401RT Express cosses underneath the hydro-eleectric corridor here.
University of Toronto Scarborough Campus is a 5-minute bus shuttle ride to/from the 401-Morningside station.
IMPORTANT: The 401RT Express renders the City of Toronto's planned Eglinton East LRT operationally non-viable and obsolete. Most travelers from across Toronto will prefer to use the 401RT Express, via the Line 1 subway, the Line 2 extension to Scarborough Centre, or the future Ontario Line extension to Sheppard Avenue East to access UTSC, the Malvern community and other points in Scarborough. It may be useful to extend the Eglinton East LRT to Kingston Road, but no further. Capital cost savings would be approximately $3.7 billion.
Google Earth
Image Landsat / Copernicus


401RT Express
401-Meadowvale
The Toronto Zoo is 2.5 kilometres north of Highway 401.
401-Meadowvale
Google Earth
Image Landsat / Copernicus


401RT Express
401-Port Union
This illustration shows two alternative alignments for the 401-Port Union station. The 401RT Express station for Option A brings the station closer to Kingston Road (Highway 2, a major artery), but requires crossing Highway 401 twice. Option B avoids the crossing but is farther away from Kingston Road. Both options would be served by the Sheppard East TTC bus. Option A would also be served by Durham Transit.
Tallpines Park
Platinum Rouge Valley
McDonald's
Tim Hortons
Tim Hortons
Lamanna's Bakery
A
401-Port Union
Kingston Road
Drive Test
Nadi Halal Kebab House
Hwy. 401
B
401-Port Union
Shree Swaminarayan Temple
Velocity Automotive
SmartStop Self Storage
Motorfield
Fernie Youth Services
Google Earth


401RT Express
401- East ofPort Union
Option A
Option B
Google Earth

(Pickering Centre Station next page)



The 401RT Express is normally aligned above ground. Pickering Town Centre and Bayly-GO stations can be constructed underground if an above-ground and elevated alignment is considered to be too disruptive. Tunneling the 401RT Express will likely triple the cost of construction. The 401RT Express would begin its descent to underground west of Liverpool Road, between Bayly Street and the railroad tracks.