TORONTO TRANSIT COMMISSION
REPORT NO.

MEETING DATE: April 30, 2014

SUBJECT: TTC EXPRESS BUS SERVICE AT GO TRANSIT STATIONS

ACTION ITEM

RECOMMENDATIONS

It is recommended that the board:

1. Receive this report for information, noting that express bus stops on TTC routes will continue to be located where they provide the greatest overall benefit for TTC customers; and

2. Forward this report to Metrolinx.

FUNDING

This report has no effect on the TTC's Operating or Capital budgets.

BACKGROUND

At its meeting of January 28, 2014, the Board passed the following motion:

"That staff be requested to report back on the feasibility of having TTC express buses stop at GO rail stations where they intersect. One such example where this type of service improvement is possible is at the Milliken Station."

This report responds to the Board's motion.

DISCUSSION

Within the City of Toronto, TTC and GO Transit services connect at many locations. The TTC operates three rapid transit lines, eight streetcar routes, and 71 bus routes that connect at 24 GO Stations (including Bus Terminals) with seven rail and 23 bus corridors as illustrated in Exhibit 1.

Currently, there are 26 cases where a TTC express bus route intersects a GO Transit rail or bus station, as illustrated in Exhibit 2. At 20 of these 26 locations, the TTC express bus route serves a bus stop near the GO Station. The six cases where a TTC express bus route intersects with, but does not serve a GO Station are listed in Table 1.

Table 1: TTC Express Bus Routes that Intersect With, but Do Not Serve a GO Station

Case	GO Station	TTC Express Bus Route (does not serve intersecting GO Station)	TTC Local Bus Route (serves intersecting GO Station)
1	Milliken GO Station – Stouffville GO Line	▪ 53E,F STEELES EAST	▪ 53A,B STEELES EAST
2	Eglinton GO Station – Lakeshore East GO Line	▪ 86E SCARBOROUGH	▪ 9 BELLAMY ▪ 86,A,B,D SCARBOROUGH ▪ 116,A,B MORNINGSIDE
3	Eglinton GO Station – Lakeshore East GO Line	▪ 116E MORNINGSIDE	▪ 9 BELLAMY ▪ 86,A,B,D SCARBOROUGH ▪ 116,A,B MORNINGSIDE
4	Guildwood GO Station – Lakeshore East GO Line	▪ 116E MORNINGSIDE	▪ 86,A,B,D,E[1] SCARBOROUGH
5	Agincourt GO Station – Stouffville GO Line	▪ 190 SCARBOROUGH CENTRE ROCKET	▪ 85,A SHEPPARD EAST
6	Old Cummer GO Station – Richmond Hill GO Line	▪ 199 FINCH ROCKET	▪ 39 FINCH EAST[2] ▪ 51 LESLIE

TTC express bus stops are located where they provide the most overall travel time benefit for transit customers. Express stops are selected to achieve a balance between the competing interests of maximizing ridership and limiting the number of stops served. The more stops that are included, the slower the express service operates. Express buses only stop at locations where the number of customers boarding and alighting will be relatively high.

In the six cases listed in Table 1, TTC staff have re-evaluated whether the express buses should serve the GO Station. Exhibit 3, shows the projected ridership demand at the GO Stations if the express buses were to stop there, and also shows the observed number of customers who use the other express stops on the routes. In all cases, the estimated number of express bus riders who would use the bus stop at the GO Station is projected to be below all the existing express stops along the route. An evaluation of the weighted customer-minutes

---

[1] East of Guildwood GO Station, the 86E SCARBOROUGH express bus route operates as a local service stopping at all stops between Kingston Road at Celeste Drive (Guildwood GO Station) and Meadowvale Road at Sheppard Avenue East.

[2] There is no westbound bus stop at the walkway connecting Finch Avenue and Old Cummer GO Station. Customers can access the walkway from the bus stop on Finch Avenue at Leslie Street, approximately 90 metres east, which is served by both the 199 FINCH ROCKET and 39 FINCH EAST. Establishing a new westbound bus stop at the walkway to Old Cummer GO Station is not feasible because of the close proximity to the bus stop on Finch Avenue at Leslie Street.

of travel time for adding these stops shows that, in all six cases, service would be made worse, overall, for customers. For this reason, stopping express buses at these GO Stations is not recommended. Customers intending to travel to or from the GO Station can use the frequent local bus service which serves the GO Station.

While TTC and GO services make many connections, there is currently no fare integration, and so travel on both systems is relatively expensive. In addition, all but the Lakeshore East and West GO Rail lines operate limited peak-direction service only. These factors were included in TTC staff's projection of ridership usage at the express bus stops. If, in the future, fare integration is introduced between TTC and GO, or frequent all-day two-way service is introduced on the GO lines, then TTC staff will re-evaluate all aspects of TTC-GO route and service connections, including stopping express buses at GO Stations.

Summary

In the six cases, listed in Table 1, where a TTC express bus route intersects a GO Station and does not stop, the estimated express service riders at the GO Station is significantly less than the observed express service riders at bus stops along the TTC express bus route. Whilst the introduction of express bus stop at these locations may benefit a few customers a greater number of customers would experience longer travel time, thereby not providing a benefit, overall, for TTC customers. TTC staff will ensure that express bus stops continue to be located where they provide the most overall benefit for TTC customers.

- - - - - - - - - - -

11-31-32
Attachments: Exhibit 1: TTC and GO Transit Network Integration
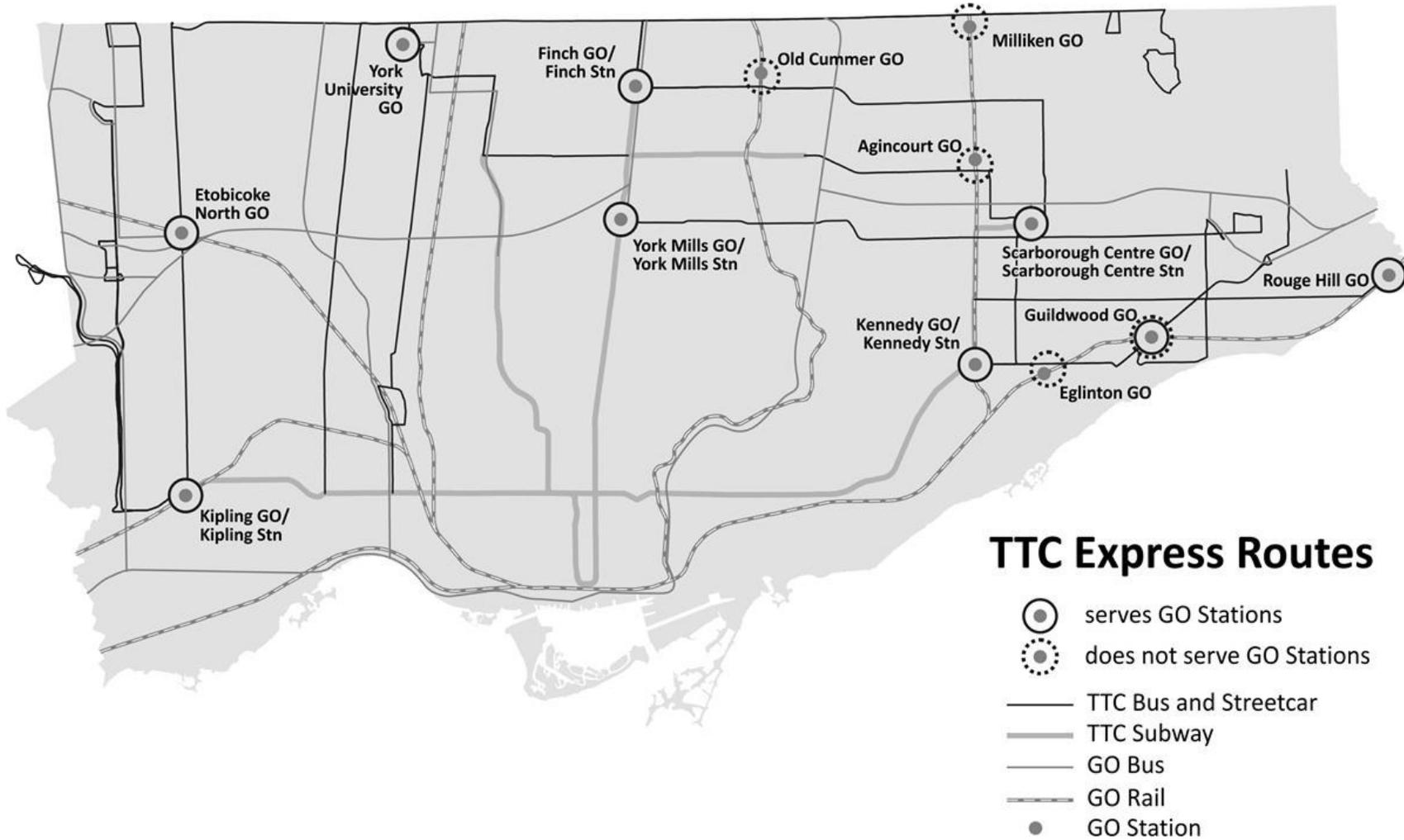   Exhibit 2: TTC Express Bus Routes that Intersect GO Stations
             Exhibit 3: Total Daily Usage at Stop Locations

Exhibit 1: TTC and GO Transit Network Integration

TTC Services Connecting to GO

— TTC Bus and Streetcar
▬ TTC Subway
— GO Bus
┅ GO Rail
● GO Station

Exhibit 2: TTC Express Bus Routes that Intersect GO Stations

TTC Express Routes

- ⊙ serves GO Stations
- ⊙ does not serve GO Stations
- —— TTC Bus and Streetcar
- —— TTC Subway
- — GO Bus
- ·—·— GO Rail
- ● GO Station

Map labels:
York University GO, Finch GO/Finch Stn, Old Cummer GO, Milliken GO, Agincourt GO, Etobicoke North GO, York Mills GO/York Mills Stn, Scarborough Centre GO/Scarborough Centre Stn, Rouge Hill GO, Kennedy GO/Kennedy Stn, Guildwood GO, Eglinton GO, Kipling GO/Kipling Stn

Exhibit 3: Total Daily Usage at Stop Locations

Notes
1. Observed figures exclude riders at TTC Stations
2. Estimated figures are based on the percentage of express riders to total riders along the expres bus route
3. Estimated 199 Finch Rocket westbound riders are assumed to be equal to estimated eastbound riders