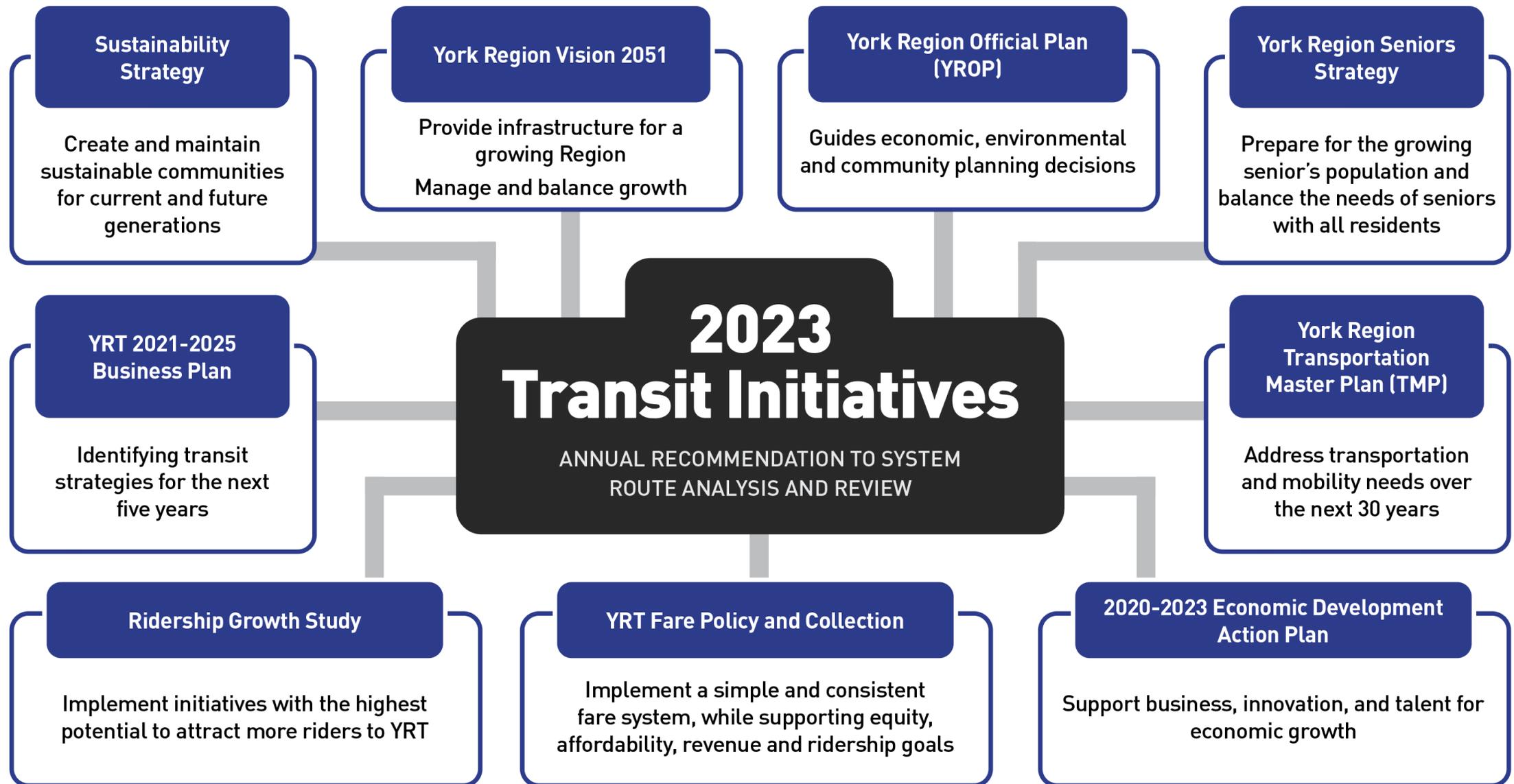


2023 TRANSIT INITIATIVES

GUIDING DOCUMENTS



2021-2025 BUSINESS PLAN

Key Strategies

Route Optimization

Fare and Service Integration

Frequent Transit Network

Express Network

Mobility On-Request (MOR)

GO Rail Expansion

Subway Connections



EMERGING FLEET TECHNOLOGY

- Collision Avoidance and Pedestrian Warning System provides operators with additional tools to detect pedestrians and cyclists
- Driver Support System monitors driver behaviour and provides real-time alerts to the driver in the event of harsh breaking, accelerating and turning
- Driver Status Monitor System uses recognition technology to monitor driver behaviour and alertness
- Evaluate the potential implementation of connected and autonomous vehicle shuttles in partnership with Canadian Urban Transit Research and Innovation Consortium (CUTRIC)



ELECTRIFICATION AND GREENING OF TRANSIT VEHICLES

- York Regional Council approved the Transit Fleet Electrification Plan
- YRT will continue to incrementally purchase electric buses each year between 2021 and 2029 and will transition to exclusive purchase of electric buses by 2030
- The Region's Vision 2051 and Energy and Conservation and Demand Management Plan encourage initiatives to move towards net-zero greenhouse gas emissions by 2051



**Need help paying for transit?
TAP can help!**



Visit: yrt.ca/TAP



AccessYork



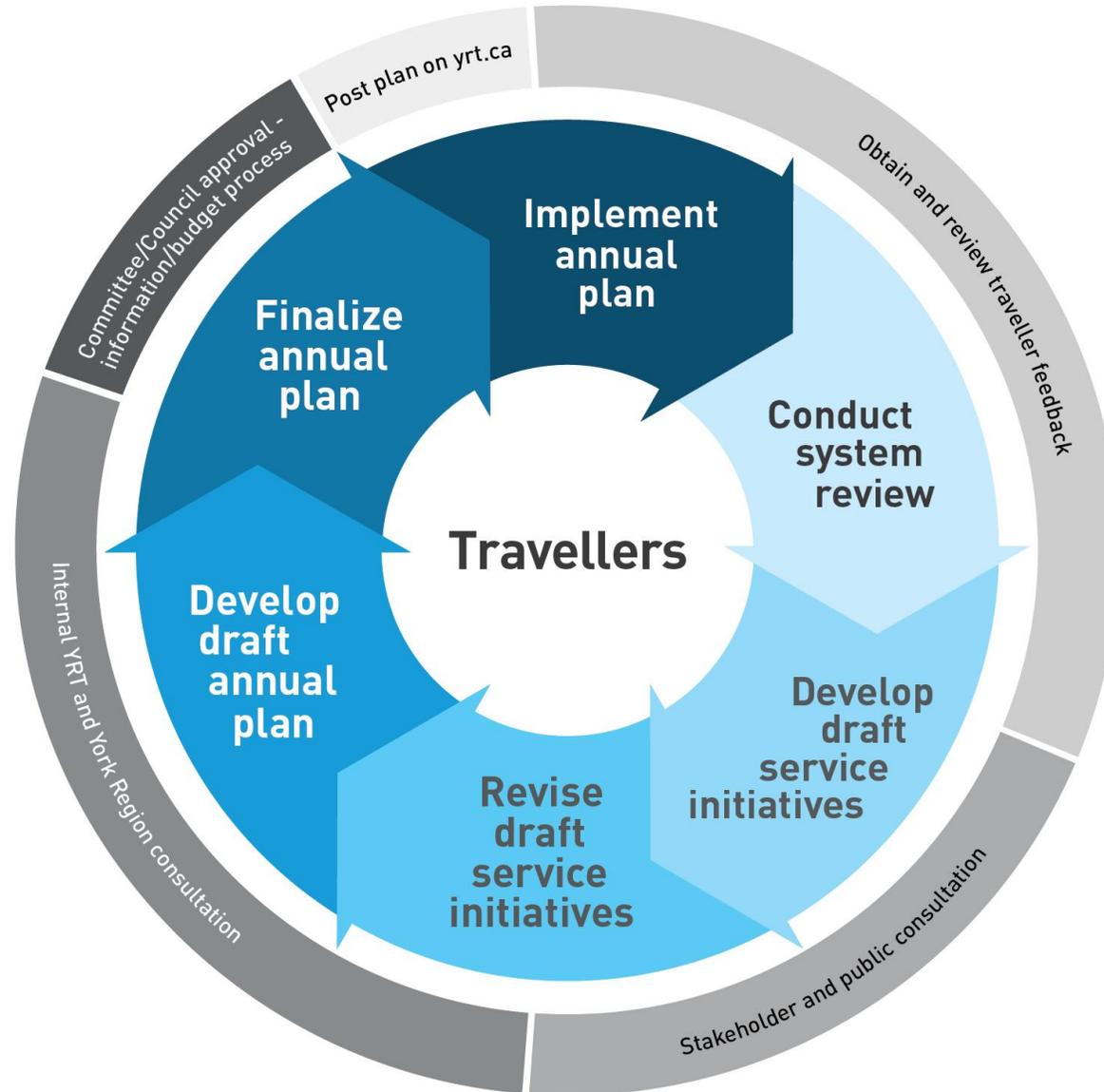
TRAVEL TRAINING

- Travel training is for customers of all ages and abilities who need additional knowledge and skills in order to use YRT independently
- YRT offers both in-person individual travel training and virtual group orientations

Visit: yrt.ca/myRide



ANNUAL PLAN PROCESS



OVERVIEW OF SERVICE CHANGE INITIATIVES

Category

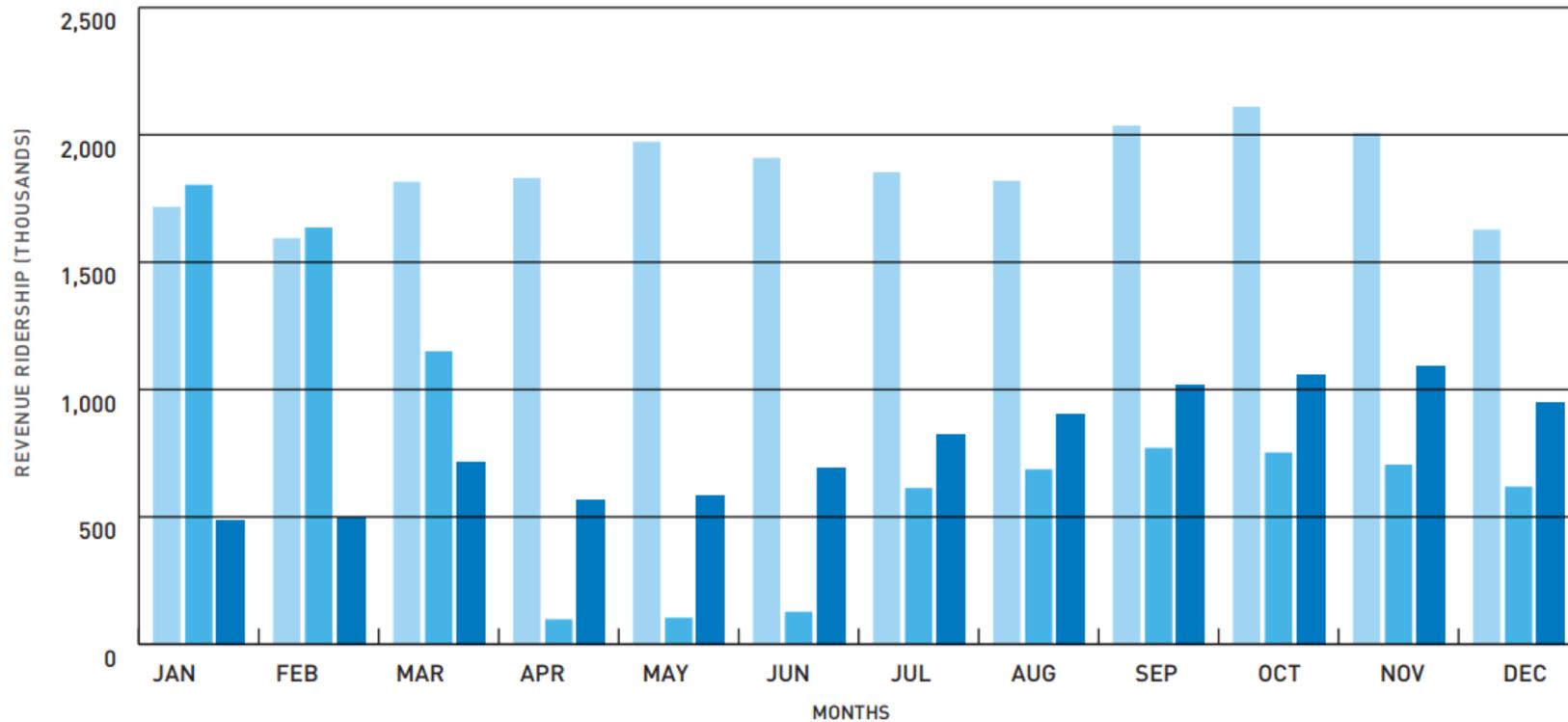
1. COVID-19 Service Recovery
2. Frequent Transit Network
3. Express Network
4. Conventional Service Changes
5. Mobility On-Request (MOR) Service Changes

COVID-19 SERVICE RECOVERY



COVID-19 SERVICE RECOVERY

Monthly Systemwide Revenue Ridership Comparison (2019 to 2021)



Notes: Revenue ridership decrease from April - June 2020 caused by rear door boarding initiative; Ridership includes MOR Paratransit and Conventional services

2019 2020 2021



COVID-19 SERVICE RECOVERY

Route 10 – Woodbridge

Proposed Changes:

- Introduce a local rush hour service in the community of Woodbridge connecting travellers to Vaughan Metropolitan Centre to accommodate increased ridership demand

Impacts/Improvements:

- Provide connections with Routes 7 – Martin Grove, 13 – Islington and 165 – Weston
- Mobility On-Request Woodbridge service available for those travelling weekday midday and weekends/holidays
- Proposed frequency as follows:

Time of Day	Proposed Frequency (mins)
AM rush hour	36
PM rush hour	38

Proposed Implementation Date:

- September 2023

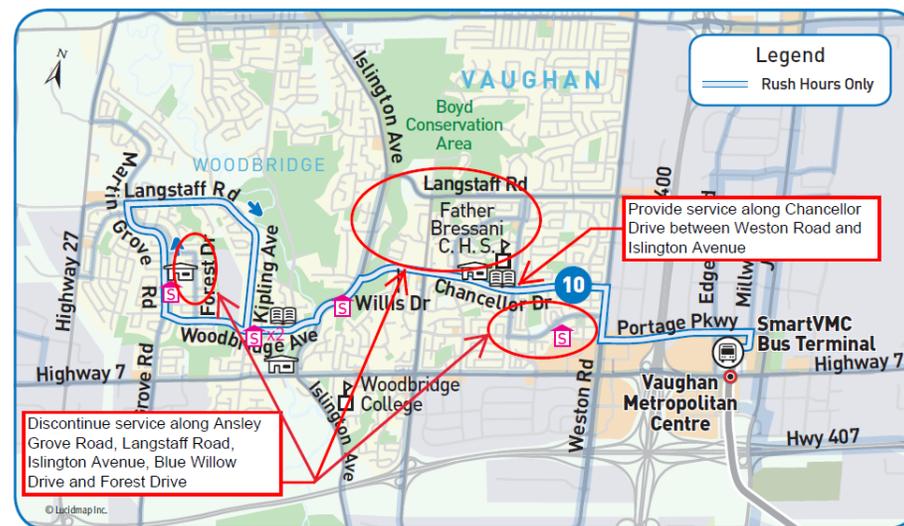
Pre-pandemic routing:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

Proposed service:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

COVID-19 SERVICE RECOVERY

Route 21 – Vellore

Proposed Changes:

- Introduce a local rush-hour service in the community of Vellore connecting travellers to Vaughan Mills Terminal to accommodate increased ridership demand
- Replaces Route 165F – Weston branch and Mobility On-Request Vellore Local service (planned to be discontinued)

Impacts/Improvements:

- Provide connections with Routes 4 – Major Mackenzie and 165 – Weston
- Proposed frequency as follows:

Time of Day	Proposed Frequency (mins)
AM rush hour	30
PM rush hour	30

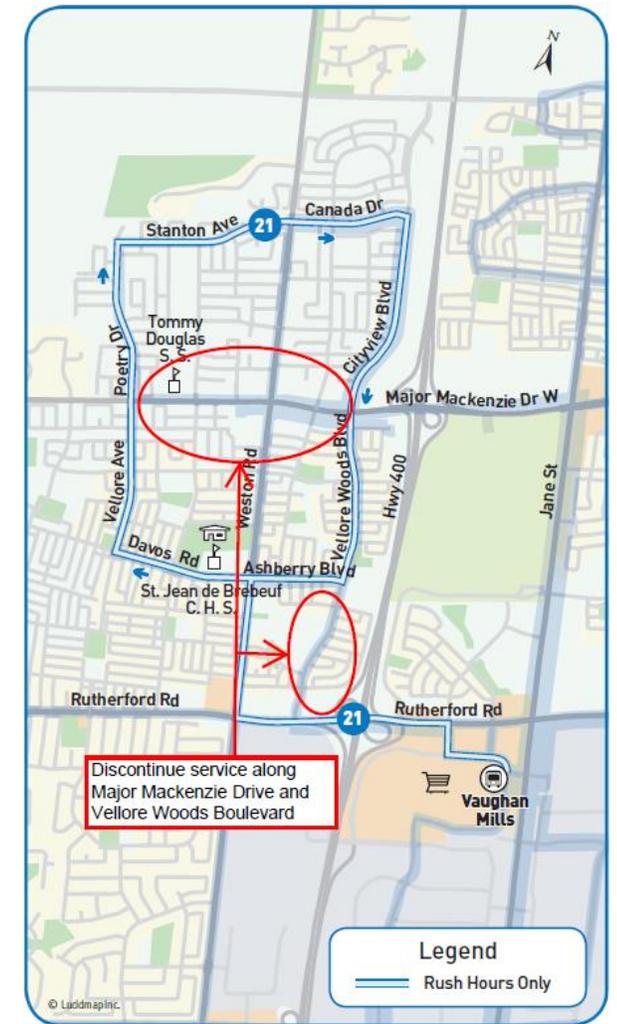
Proposed Implementation Date:

- April 2023

Pre-pandemic routing:



Proposed routing:



COVID-19 SERVICE RECOVERY

Viva Network

Proposed Changes:

- Assess the performance of Viva routes and improve frequency where needed
- Evaluate reintroducing suspended routes
- Continue to conduct analyses to implement Viva services on rapid transit corridors including Leslie Street, Jane Street and Major Mackenzie Drive in the future

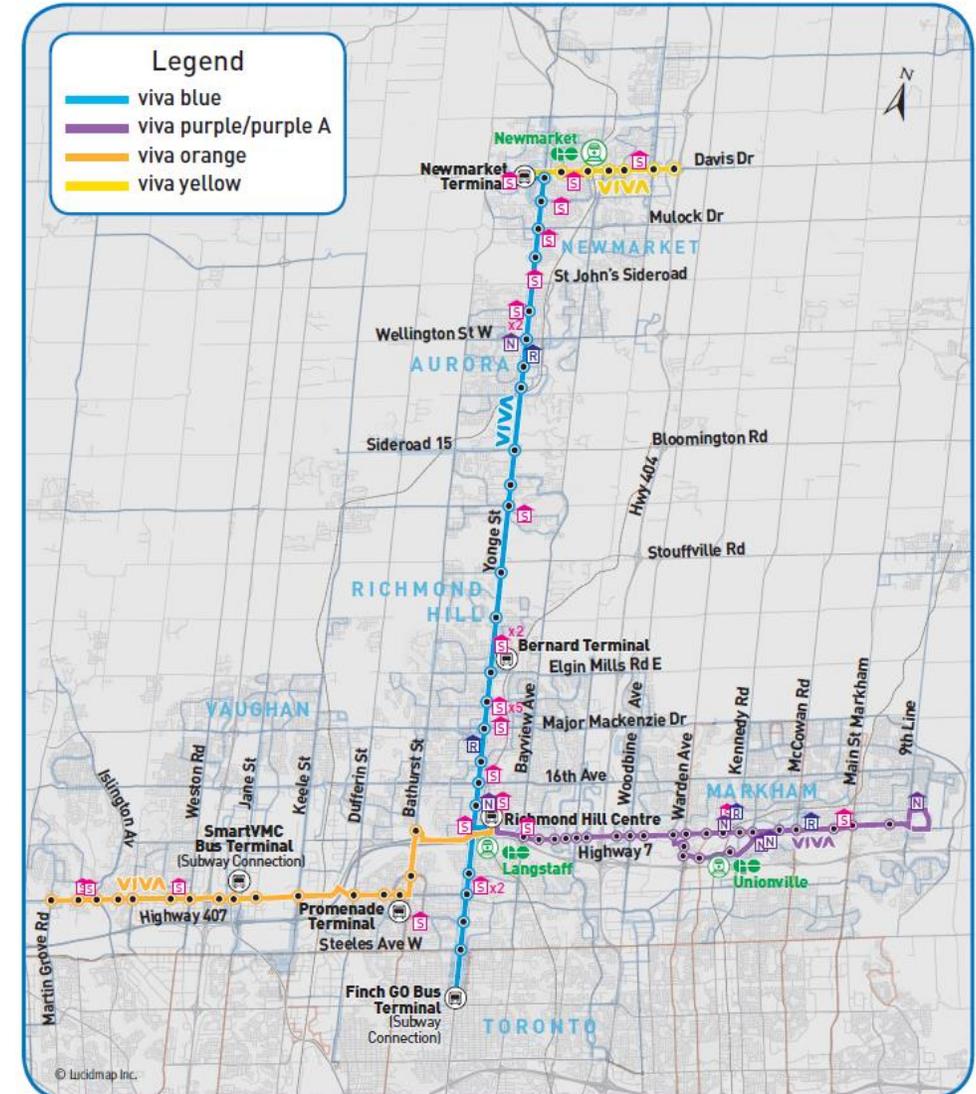
Impacts/Improvements:

- Adjust service to meet demand with changing travel patterns

Proposed Implementation Date:

- January 2023

Current routing:



FREQUENT TRANSIT NETWORK



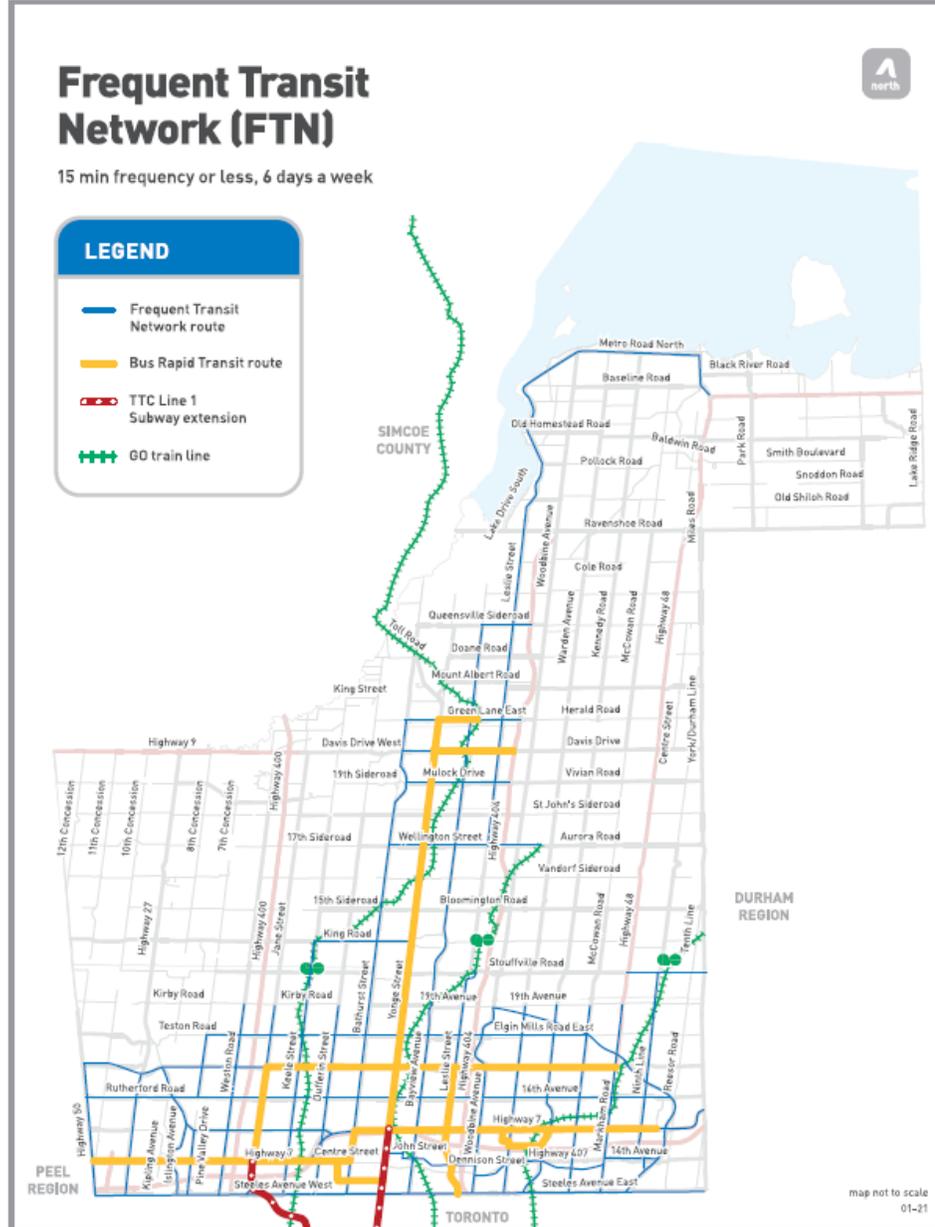
FREQUENT TRANSIT NETWORK

Frequent Transit Network (FTN)

15 min frequency or less, 6 days a week

LEGEND

-  Frequent Transit Network route
-  Bus Rapid Transit route
-  TTC Line 1 Subway extension
-  GO train line



FREQUENT TRANSIT NETWORK

Route 25 – Major Mackenzie

Proposed Changes:

- Improve morning and afternoon rush-hour frequency

Impacts/Improvements:

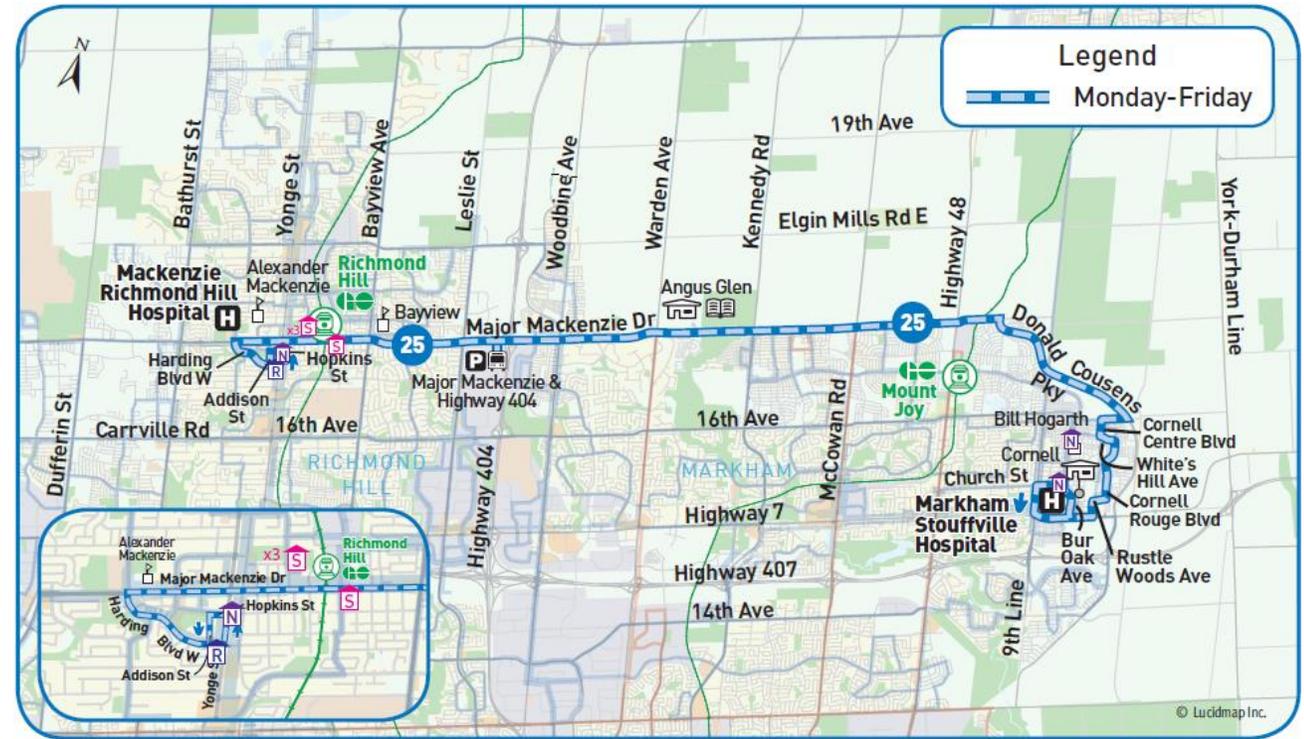
- Frequency changes as follows:

Time of Day	Current Frequency (mins)	Proposed Frequency (mins)
AM rush hour	32	26
PM rush hour	34	27

Proposed Implementation Date:

- September 2023

Current routing:



Housing Facilities: Nursing Home Retirement Home Social Housing

FREQUENT TRANSIT NETWORK

Route 50 – Queensway

Proposed Changes:

- Improve midday frequency to improve connection options with Mobility On-Request North

Impacts/Improvements:

- Midday frequency increased from the current 39 minutes to 33 minutes
- Allows for more frequent connections with Mobility On-Request North

Proposed Implementation Date:

- September 2023

Current routing:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

FREQUENT TRANSIT NETWORK

Route 85 – Rutherford

Proposed Changes:

- Improve weekday frequency
- Provide service to Rutherford GO Station from Rutherford Road, pending completion of construction along Rutherford Road

Impacts/Improvements:

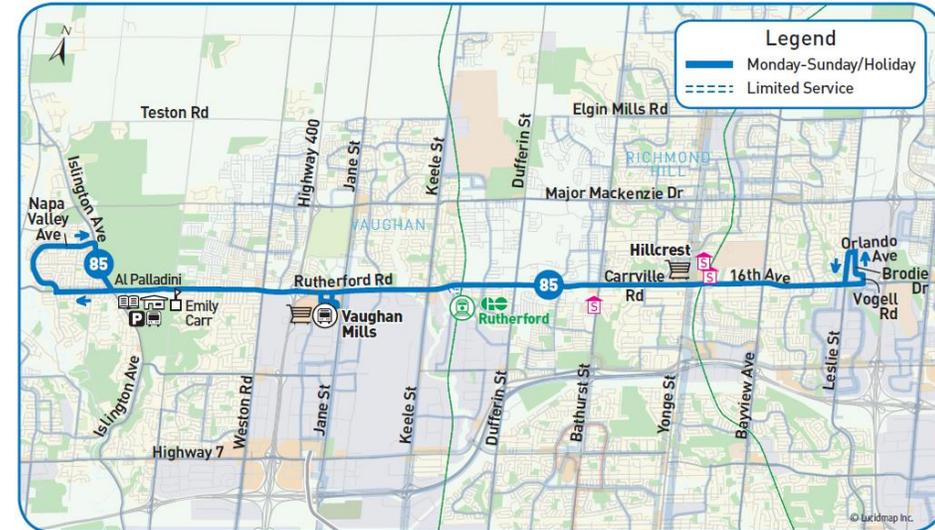
- Frequency changes as follows:

Time of Day	Current Frequency (mins)	Proposed Frequency (mins)
AM rush hour	18	15
PM rush hour	19	16

Proposed Implementation Date:

- September 2023

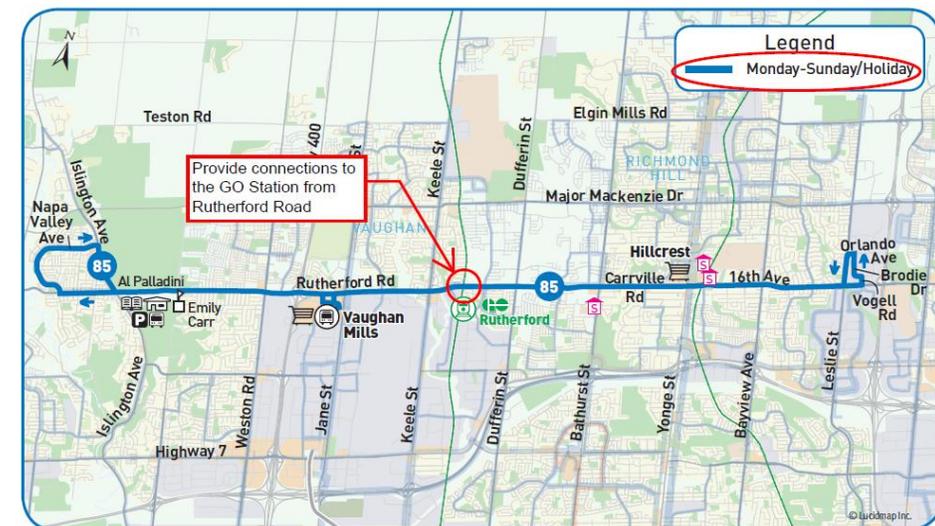
Current routing:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

Proposed routing:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

FREQUENT TRANSIT NETWORK

Route 105/105B – Dufferin

Proposed Changes:

- Extend service to Maple GO Station, pending completion of the Eagle Rockway bus loop
- Alternate service between two branches:
 - Route 105: Dufferin Street
 - Route 105B: Peter Rupert Avenue/Confederation Parkway

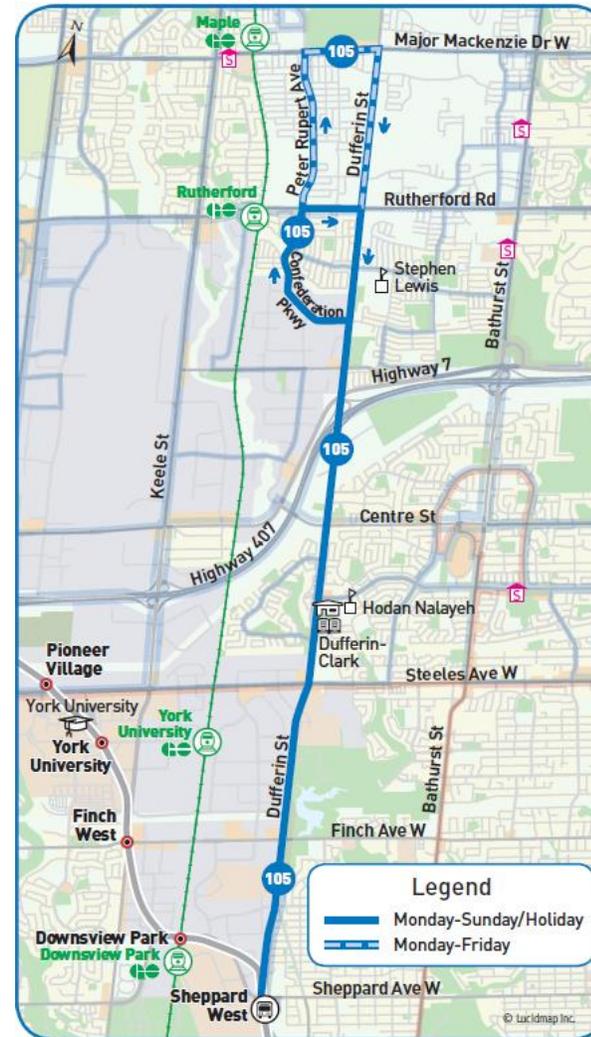
Impacts/Improvements:

- Provide two-way, all-day service along Dufferin Street and along Peter Rupert Avenue/Confederation Parkway
- Route 105/105B will have a combined frequency of the following:

Time of Day	Current Frequency (mins)	Proposed Frequency (mins)
AM rush hour	16	14
Midday	28	24
PM rush hour	18	15
Evening	30	35
Sat/Sun/holiday	32	28

Proposed Implementation Date: November 2023

Current routing:



Proposed routing:



FREQUENT TRANSIT NETWORK

Route 165/165F – Weston

Proposed Changes:

- Extend Route 165 to Major Mackenzie Drive West Terminal
- Discontinue Route 165F branch (replace with Route 21)

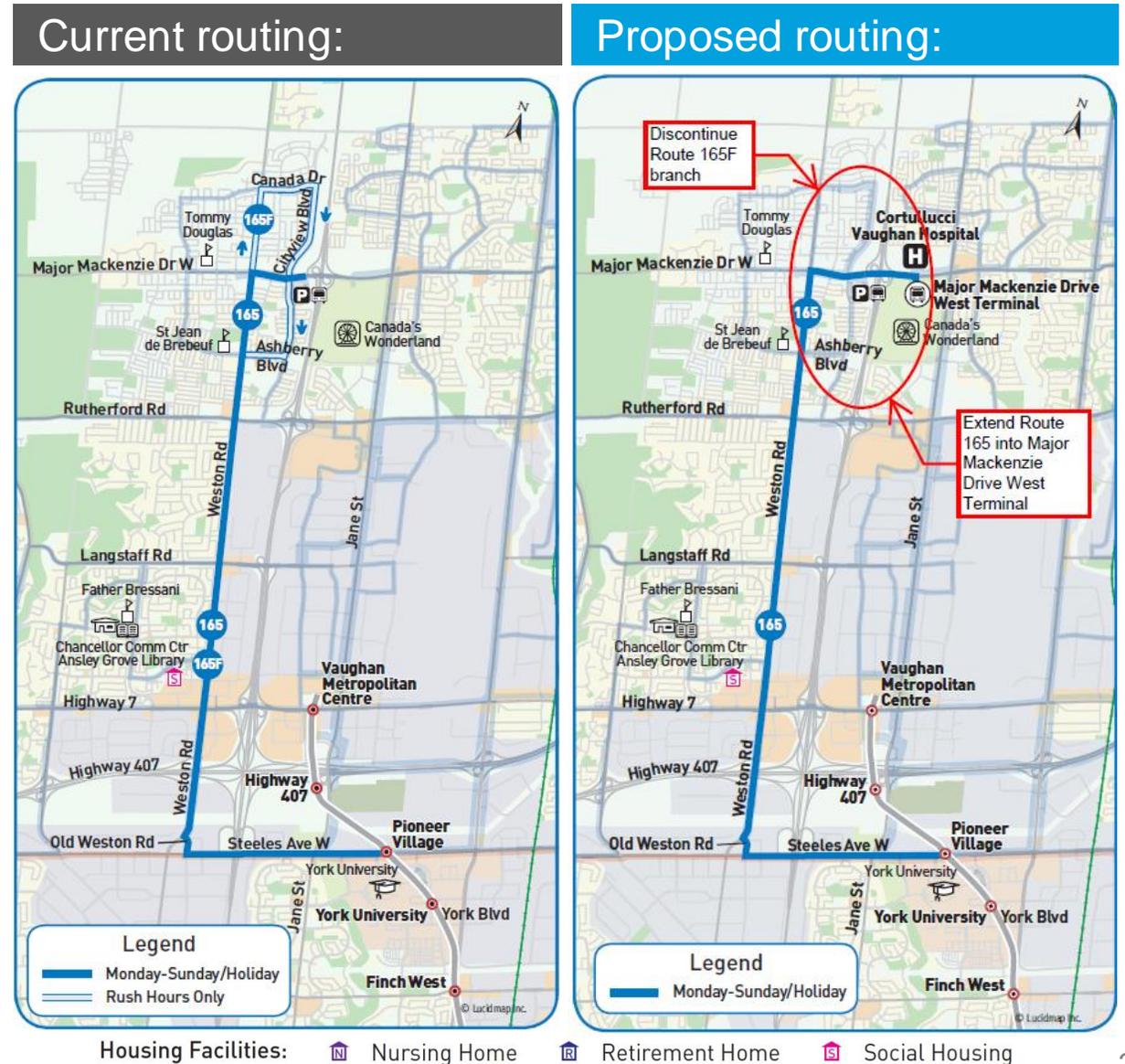
Impacts/Improvements:

- Frequency changes as follows:

Time of Day	Current Frequency (mins)	Proposed Frequency (mins)
AM rush hour	15	16
Midday	49	37
PM rush hour	19	15
Evening	36	40
Saturday	35 to 41	41 to 48
Sunday/holiday	33 to 35	40 to 43

- Extend Route 165 to service the new terminal post-construction on Major Mackenzie Drive from Highway 400 to Jane Street
- With the discontinuation of Route 165F, approximately 119 passenger trips will be impacted on weekdays; travellers may use Route 21 – Vellore to travel north of Major Mackenzie Drive

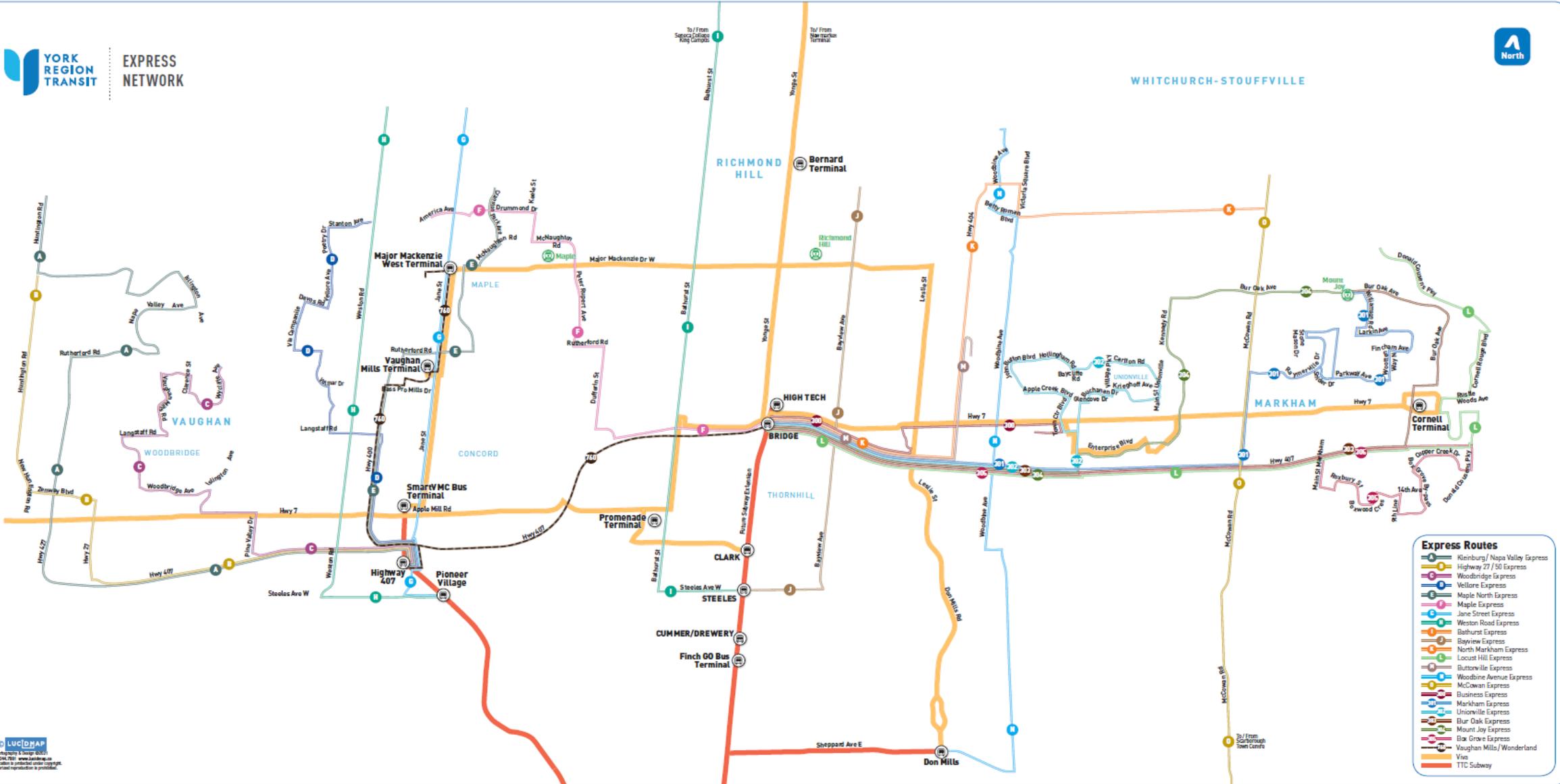
Proposed Implementation Date: April 2023



EXPRESS NETWORK



EXPRESS NETWORK



- Express Routes**
- Kleinburg / Napa Valley Express
 - Highway 7 / 50 Express
 - Woodbridge Express
 - Villaville Express
 - Maple North Express
 - Maple Express
 - Jane Street Express
 - Weston Road Express
 - Bathurst Express
 - Bayview Express
 - North Markham Express
 - Locust Hill Express
 - Buttonville Express
 - Woodbine Avenue Express
 - McCowan Express
 - Business Express
 - Markham Express
 - Unionville Express
 - Bur Oak Express
 - Mount Joy Express
 - Oak Grove Express
 - Vaughan Mills / Wonderland
 - Viva
 - TTC Subway

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EXPRESS NETWORK

Route 20/20E – Jane

Proposed Changes:

- Implement a new express service on Jane Street between Major Mackenzie Drive West Terminal and Highway 407 Terminal during weekday rush hour

Impacts/Improvements:

- Improved service along Jane Street between Major Mackenzie Drive and Highway 407
- As an Express route, trips will only service terminals and major bus stops
- Proposed frequency as follows:

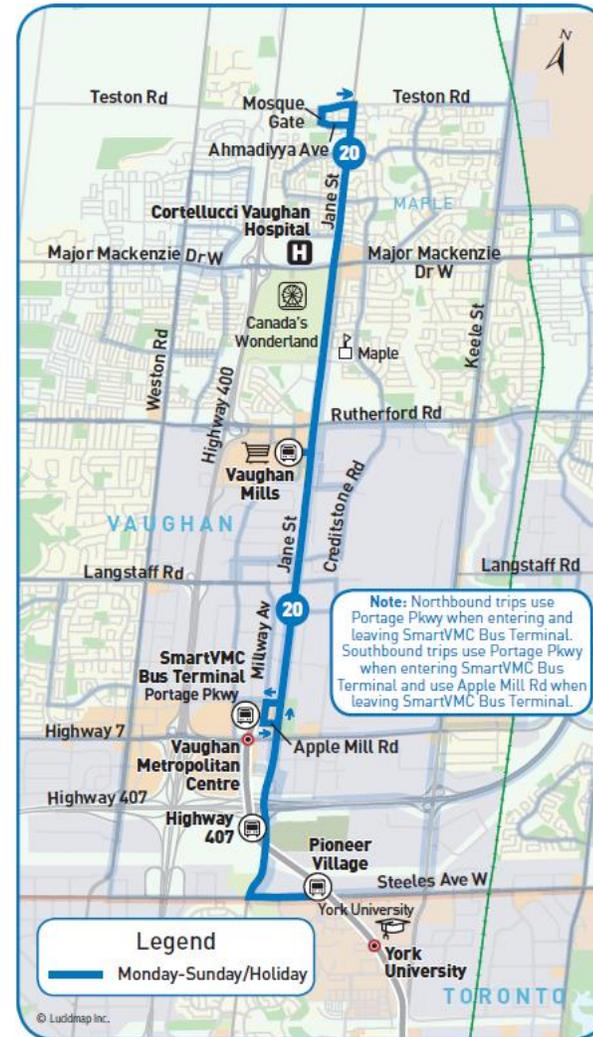
Time of Day	Proposed Frequency (mins)
AM rush hour	15
PM rush hour	15

- Regular Route 20 – Jane service will continue to operate

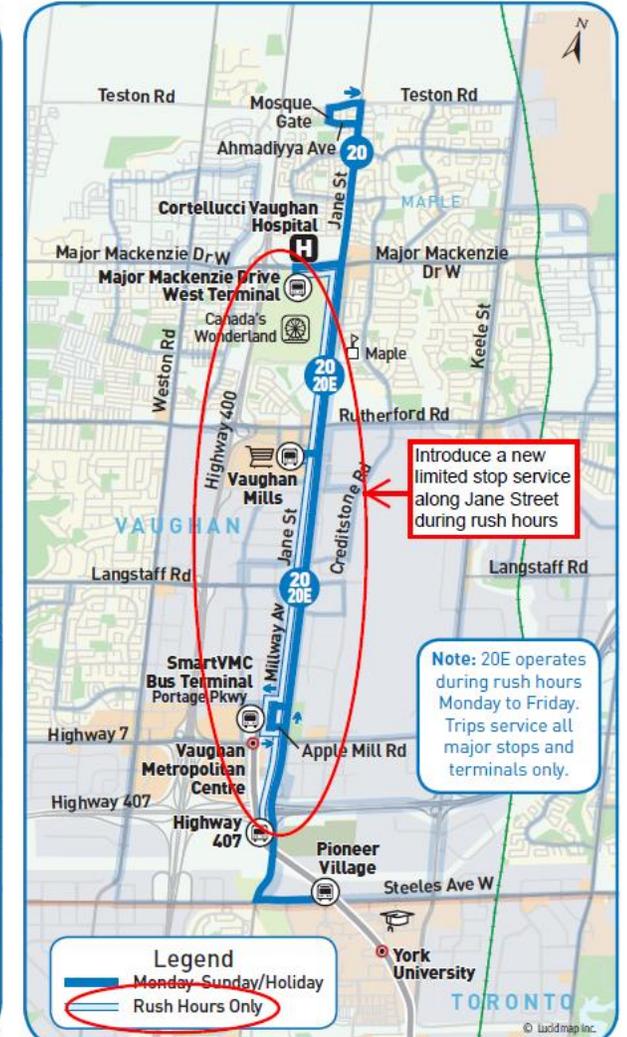
Proposed Implementation Date:

- April 2023

Current routing:



Proposed routing:



EXPRESS NETWORK

300-Series Express Routes

Proposed Changes:

- Evaluate the performance of express routes and adjust service to meet demand

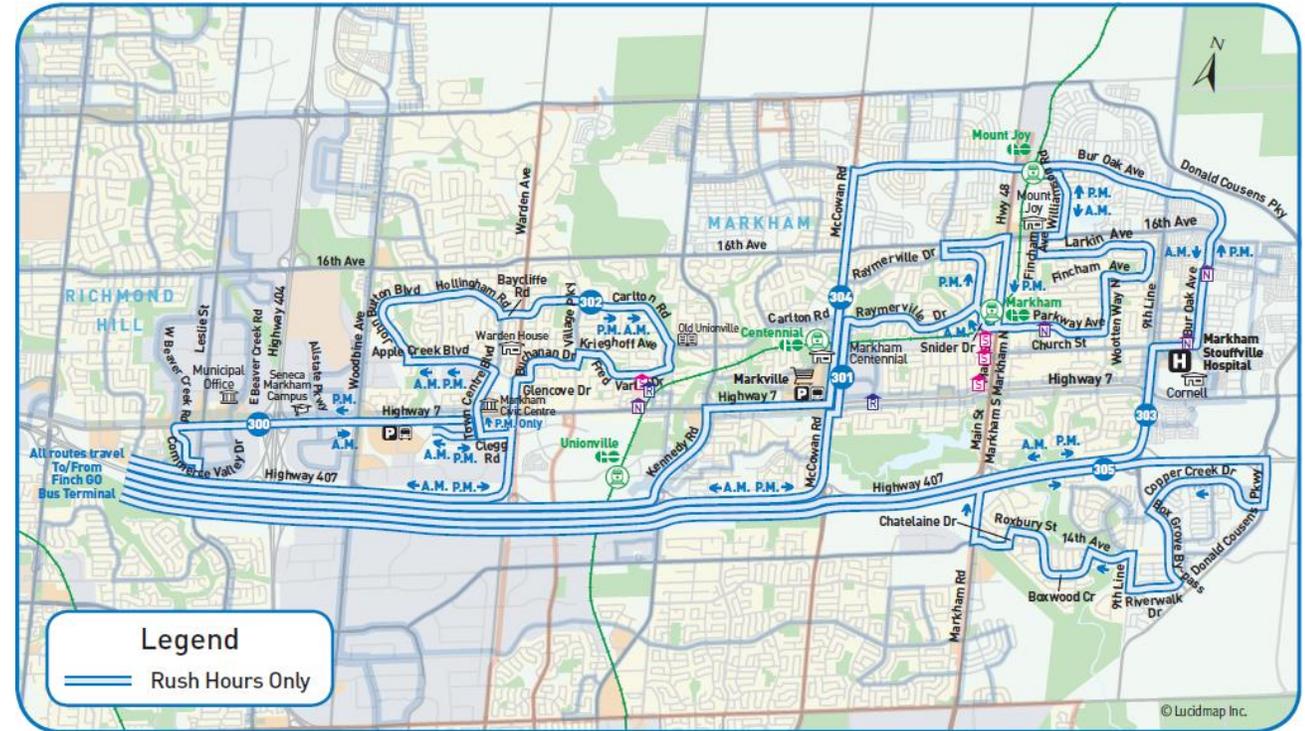
Impacts/Improvements:

- Adjust service to meet demand with changing commuter travel patterns

Proposed Implementation Date:

- January 2023

Current routing:



Housing Facilities:

-  Nursing Home
-  Retirement Home
-  Social Housing



CONVENTIONAL SERVICE CHANGES

CONVENTIONAL SERVICE CHANGES

Route 24 – Woodbine

Proposed Changes:

- Extend service to Gormley GO Station

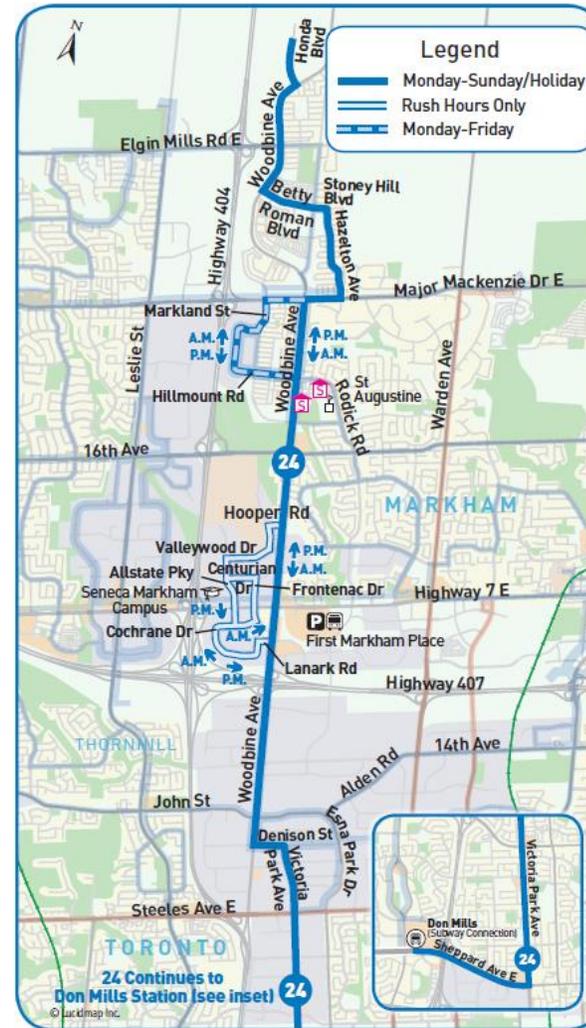
Impacts/Improvements:

- Service along Honda Boulevard discontinued
 - Approximately 63 passenger trips impacted on weekdays, and two passenger trips on Saturdays
 - Maximum walking distance increased by approx. 650 metres
- New service to the Gormley Industrial Area
- Proposed frequency changes as follows:

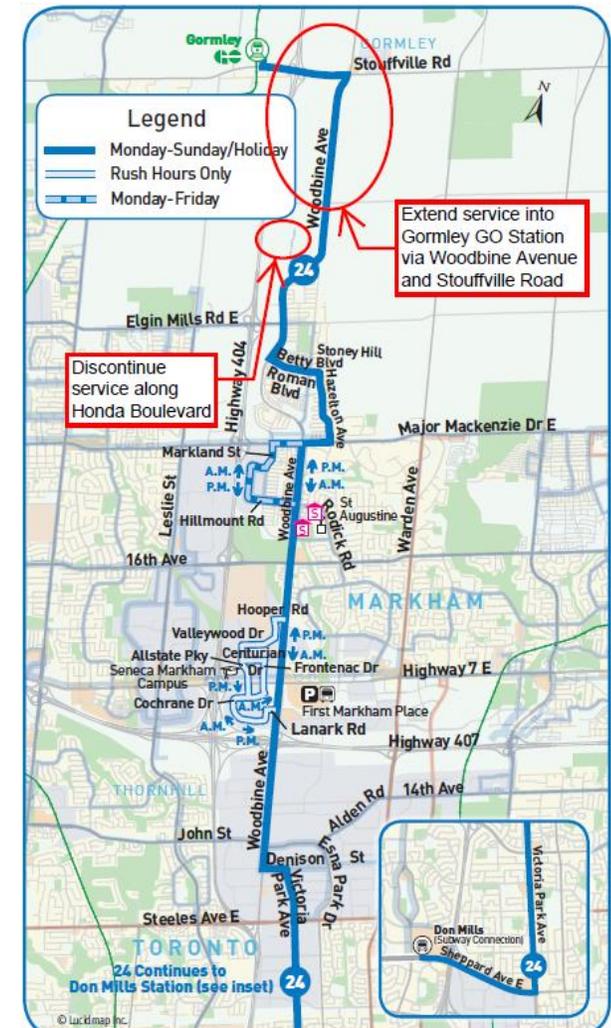
Time of Day	Current Frequency (mins)	New Frequency (mins)
AM rush hour	13	14
Midday	33	29
PM rush hour	14	15
Evening	26	24
Saturday	51	39
Sunday/holiday	49	39

Proposed Implementation Date: September 2023

Current routing:



Proposed routing:



CONVENTIONAL SERVICE CHANGES

Route 26 – Maple

Proposed Changes:

- Discontinue midday service due to low ridership
- Discontinue first morning trip and last northbound trip due to low ridership

Impacts/Improvements:

First and last trips:

- Approximately nine passenger trips impacted
- Alternatively, travellers may use Route 20 – Jane
- Begin service at 5:15 a.m. instead of 5 a.m.
- End service at 8 p.m. instead of 8:30 p.m.

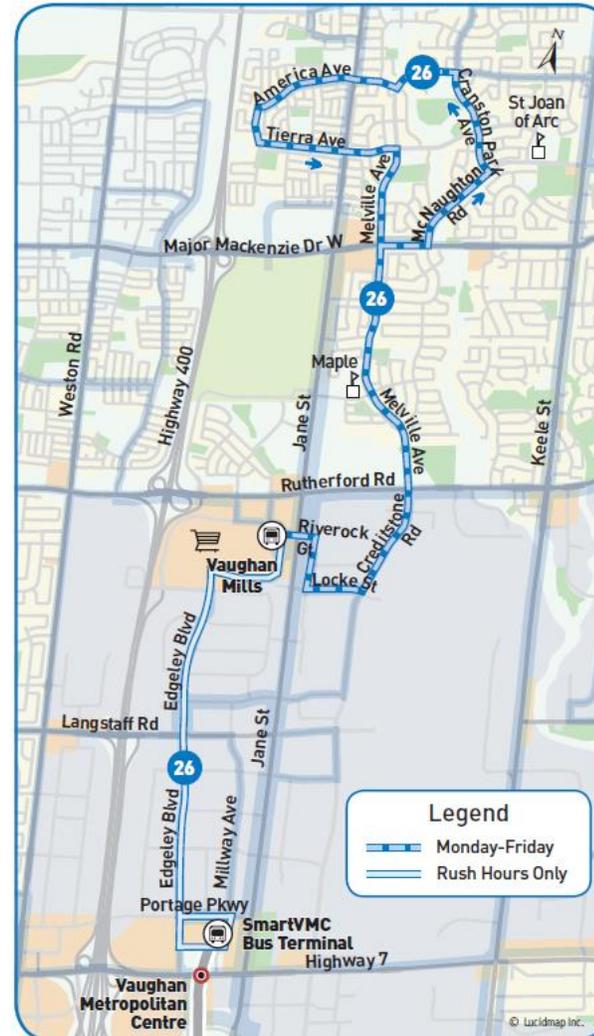
Midday service:

- Approximately 58 passenger trips impacted
- Alternatively, travellers may use Route 20 – Jane
- Maximum walking distance increased by approx. 700 metres

Proposed Implementation Date:

- April 2023

Current routing:



Proposed routing:



CONVENTIONAL SERVICE CHANGES

Route 107/107B – Keele

Proposed Changes:

- To accommodate passenger demand, provided service using 60' buses instead of 40' buses
- Reduce frequency due to the additional capacity provided by 60' buses

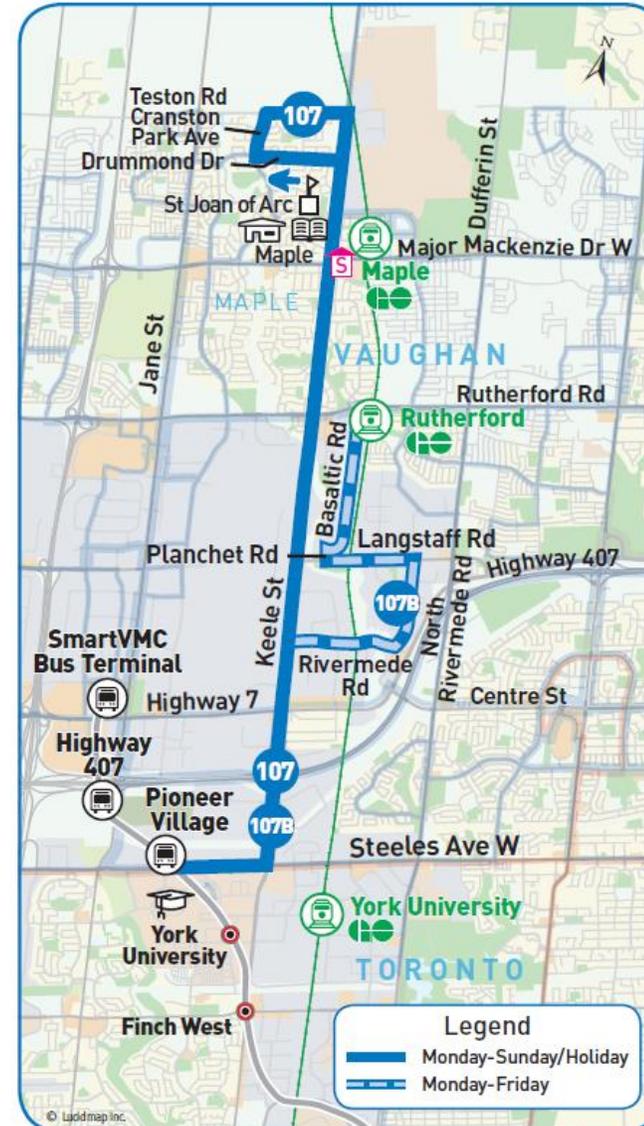
Impacts/Improvements:

- Route 107B morning rush-hour frequency adjusted to 18 minutes (currently 11 minutes)

Proposed Implementation Date:

- November 2022

Current routing:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

CONVENTIONAL SERVICE CHANGES

Route 406 – Markham District School Special

Proposed Changes:

- Discontinue route due to low ridership

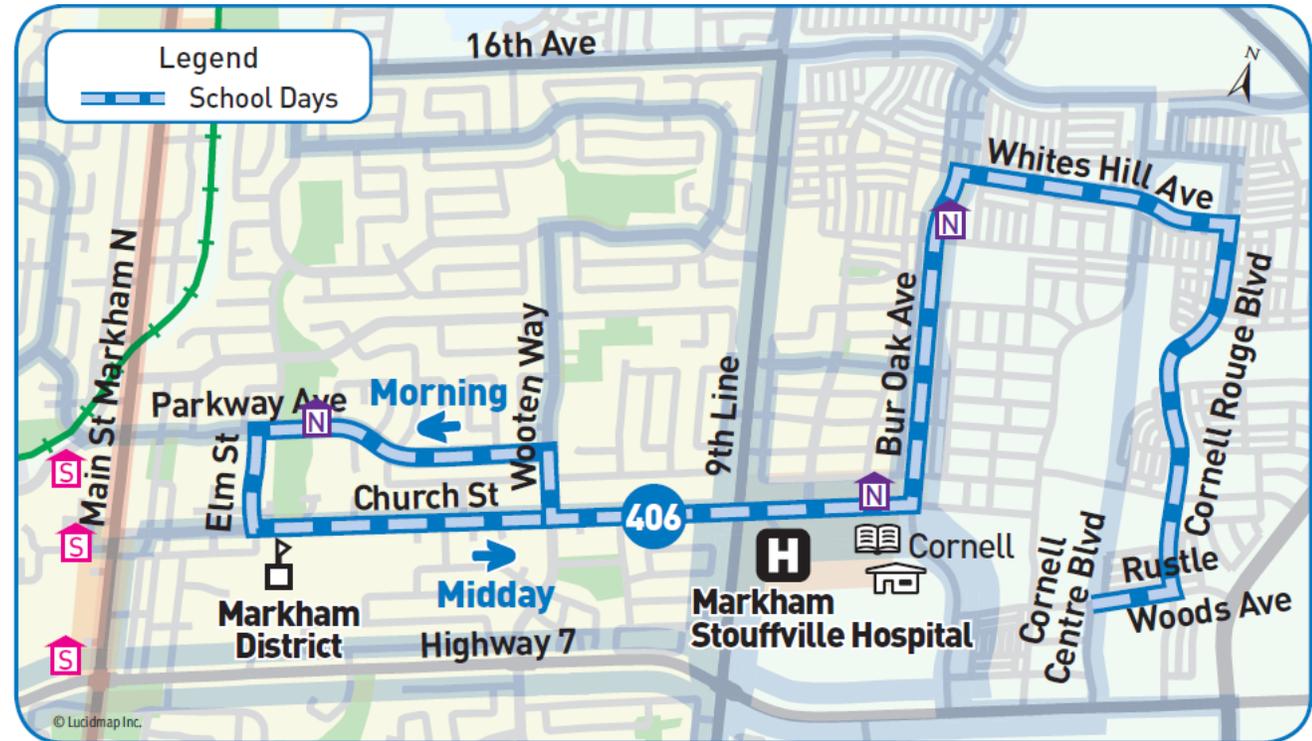
Impacts/Improvements:

- Approximately four passenger trips impacted in the morning
- Approximately six passenger trips impacted in the afternoon
- Alternative options include Routes 25 – Major Mackenzie, 18 – Bur Oak, 411 – Markham District School Special via Box Grove and 416 – Markham District School Special via Copper Creek

Proposed Implementation Date:

- September 2023

Current routing:



Housing Facilities: Nursing Home Retirement Home Social Housing

CONVENTIONAL SERVICE CHANGES

Route 449 – Richmond Hill School Special via Hillmount

Proposed Changes:

- Discontinue route due to low ridership

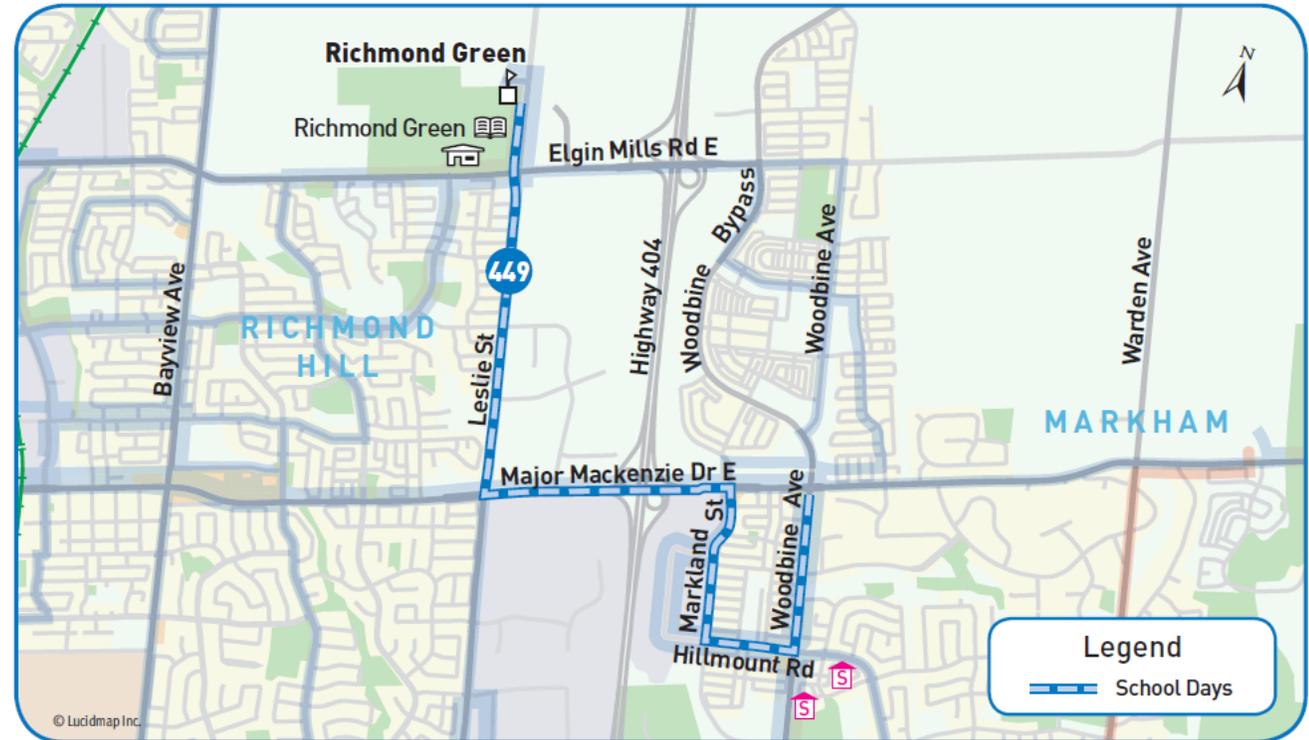
Impacts/Improvements:

- Approximately two passenger trips impacted in the morning
- Approximately six passenger trips impacted in the afternoon
- Alternative options include Routes 4/4A – Major Mackenzie, 24 – Woodbine, 80 – Elgin Mills and 90 – Leslie

Proposed Implementation Date:

- September 2023

Current routing:



Housing Facilities:  Nursing Home  Retirement Home  Social Housing

MOBILITY ON-REQUEST (MOR) SERVICE CHANGES



MOBILITY ON-REQUEST (MOR) SERVICE CHANGES

MOR Aurora and Oak Ridges

Proposed Changes:

- In order to align service hours with other MOR services, adjust weekday and Saturday service hours

Impacts/Improvements:

- Service hour changes:

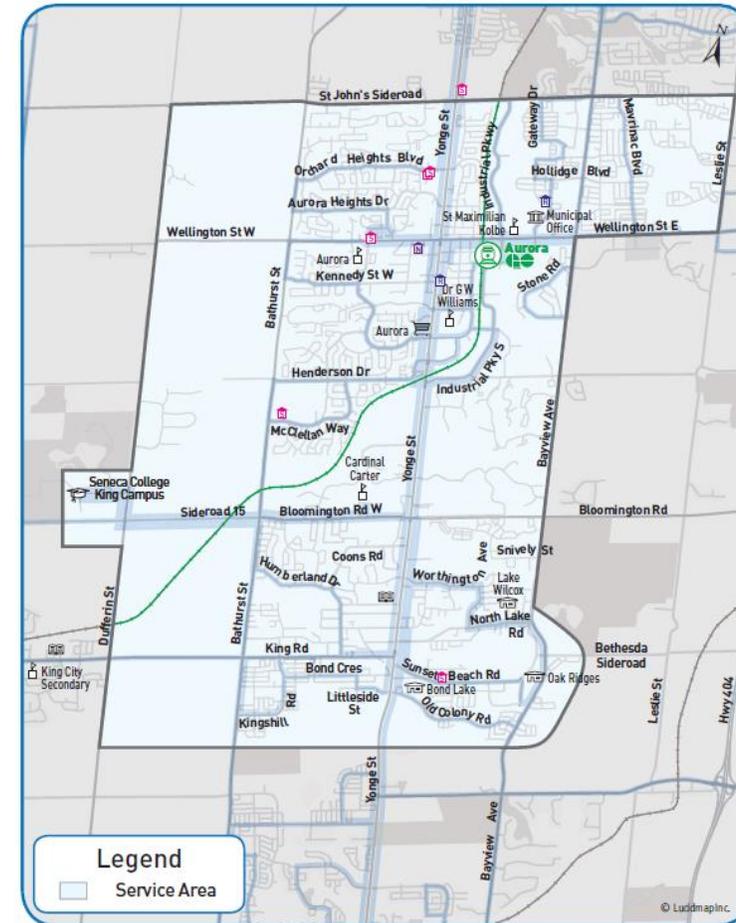
Day	Current hours	Proposed hours
Weekdays	6:30 a.m. to 10:45 p.m.	5:30 a.m. to 10:45 p.m.
Saturdays	7 a.m. to 6:45 p.m.	8 a.m. to 7:45 p.m.

- Approximately <1 passenger trip impacted on Saturdays
- Alternative options on Saturdays include Viva blue, and Routes 33 – Wellington, 88 – Bathurst and 98 – Yonge

Proposed Implementation Date:

- April 2023

Current service:



Housing Facilities

- Nursing Home
- Retirement Home
- Social Housing

Legend
 Service Area

MOBILITY ON-REQUEST (MOR) SERVICE CHANGES

MOR King City GO

Proposed Changes:

- Expand the MOR King City GO service area to include the area bounded by Highway 9, 10th Concession, King-Vaughan Road and Jane Street
- Maintain current service hours:
 - Weekdays 5:30 a.m. to 9:30 a.m. and 4 p.m. to 8 p.m.

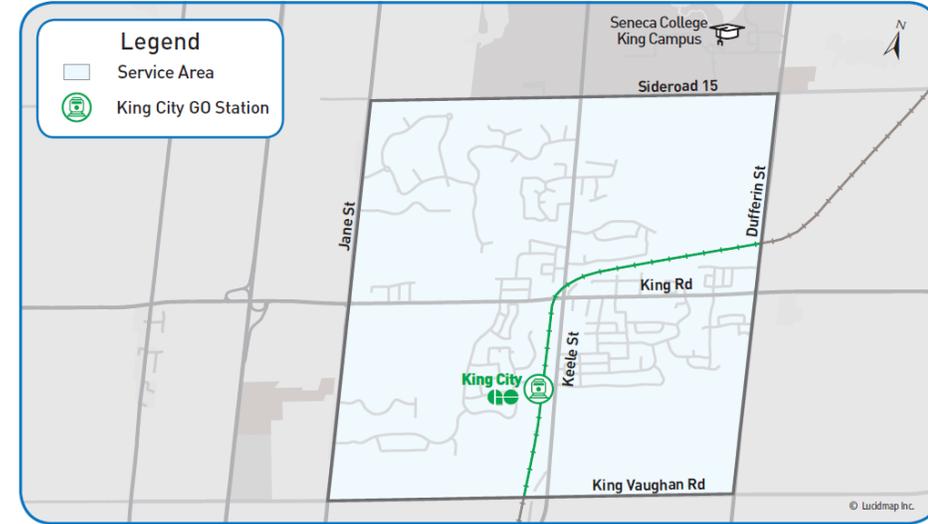
Impacts/Improvements:

- Provide transit coverage in the communities of Schomberg, Nobleton, Pottageville, etc.

Proposed Implementation Date:

- November 2023

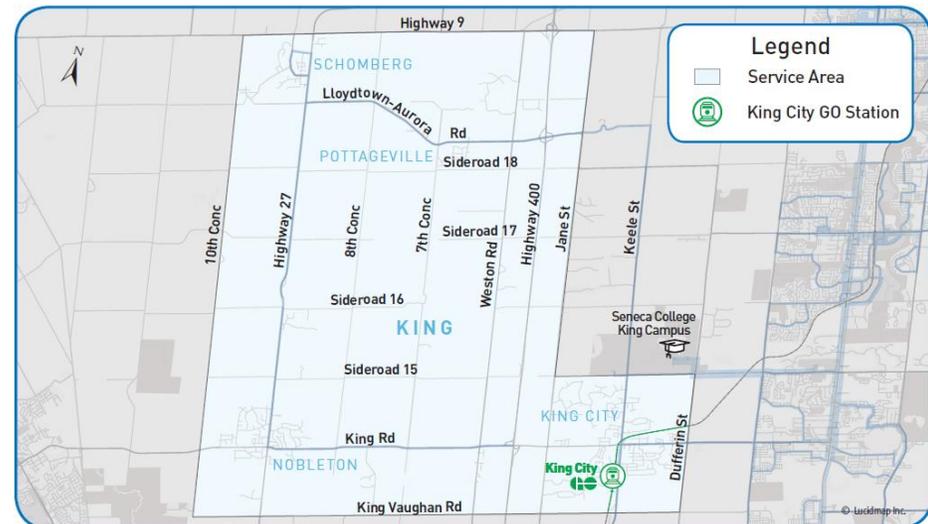
Current service:



Housing Facilities

- 🏠 Nursing Home
- 🏠 Retirement Home
- 🏠 Social Housing

Proposed service:



Housing Facilities

- 🏠 Nursing Home
- 🏠 Retirement Home
- 🏠 Social Housing

MOBILITY ON-REQUEST (MOR) SERVICE CHANGES

MOR Kleinburg-Nashville

Proposed Changes:

- As per customer feedback, expand service area east to Pine Valley Drive to make connections with Route 4 – Major Mackenzie

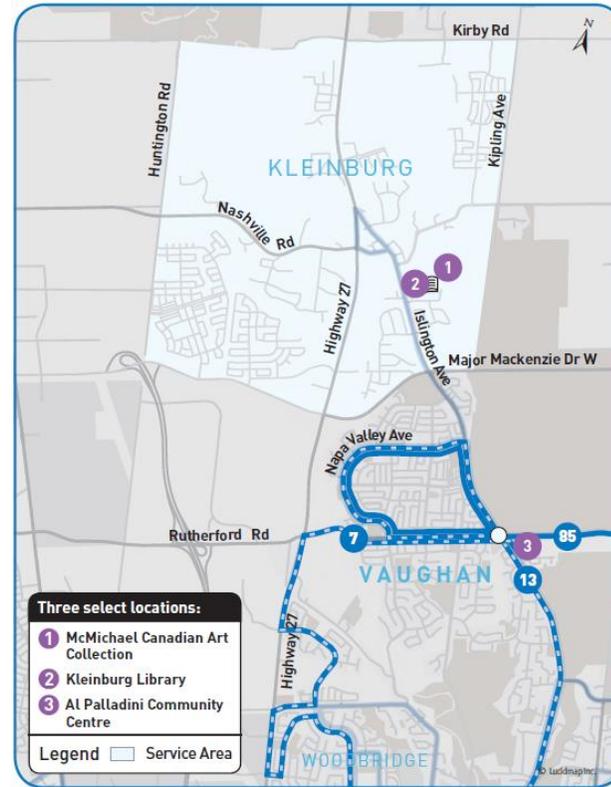
Impacts/Improvements:

- Maintain current service hours: weekdays 5:30 a.m. to 9:30 a.m. and 2 p.m. to 7:45 p.m.
- Add 'Pine Valley Drive/Davos Road (stop 6897)' as a serviced location

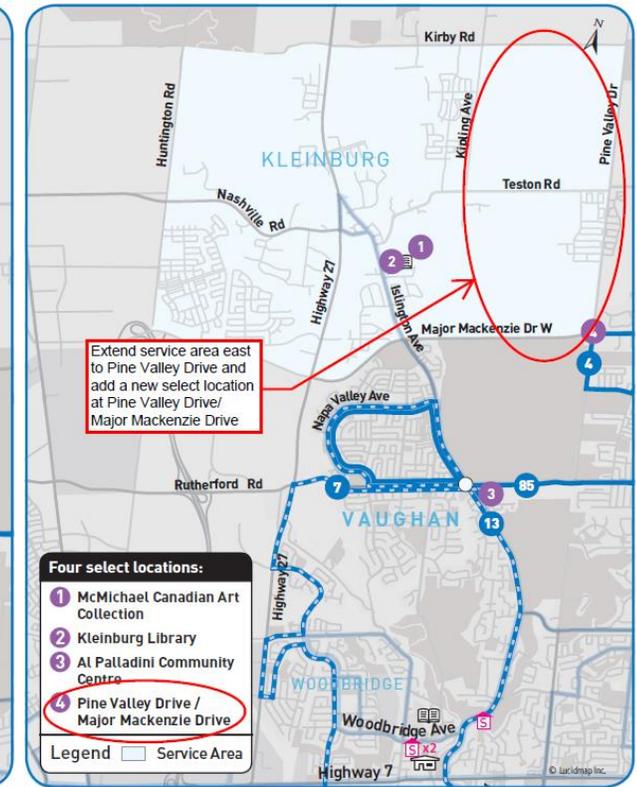
Proposed Implementation Date:

- April 2023

Current routing:



Proposed routing:



MOBILITY ON-REQUEST (MOR) SERVICE CHANGES

MOR Vellore Local

Proposed Changes:

- Discontinue service with the introduction of Route 21 – Vellore

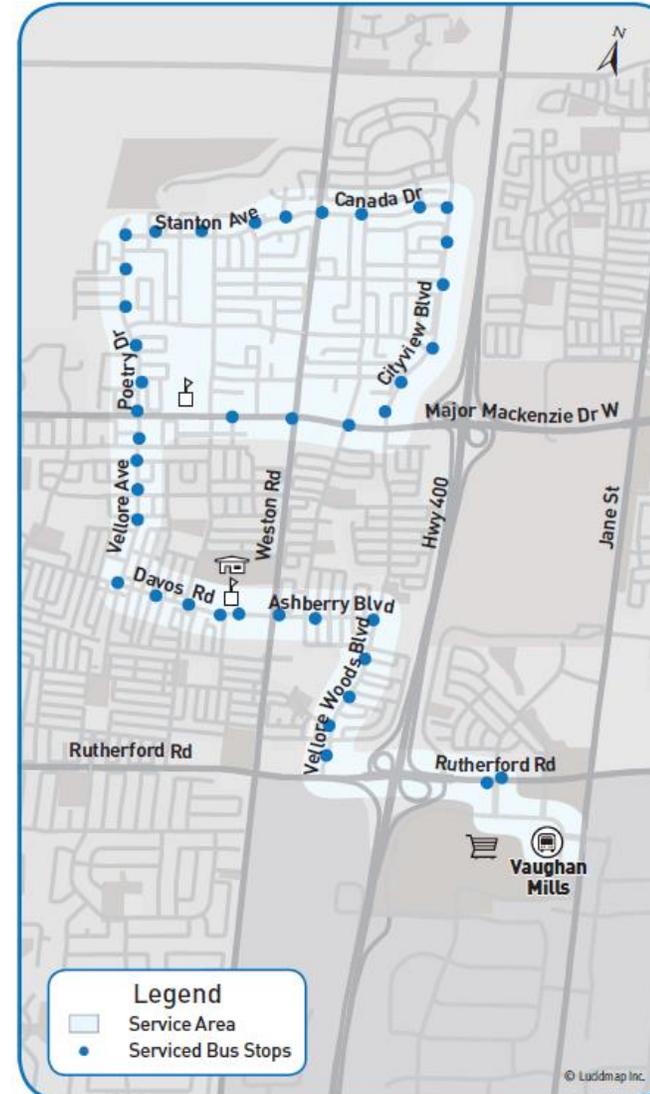
Impacts/Improvements:

- Alternatively, travellers may use Route 21 – Vellore

Proposed Implementation Date:

- April 2023

Current service:



Housing Facilities

-  Nursing Home
-  Retirement Home
-  Social Housing

MOBILITY ON-REQUEST (MOR) SERVICE CHANGES

MOR Woodbridge

Proposed Changes:

- With the reinstatement of Route 10 – Woodbridge, weekday service hours for MOR Woodbridge changed to midday only
- Maintain current Saturday and Sunday/holiday service hours

Impacts/Improvements:

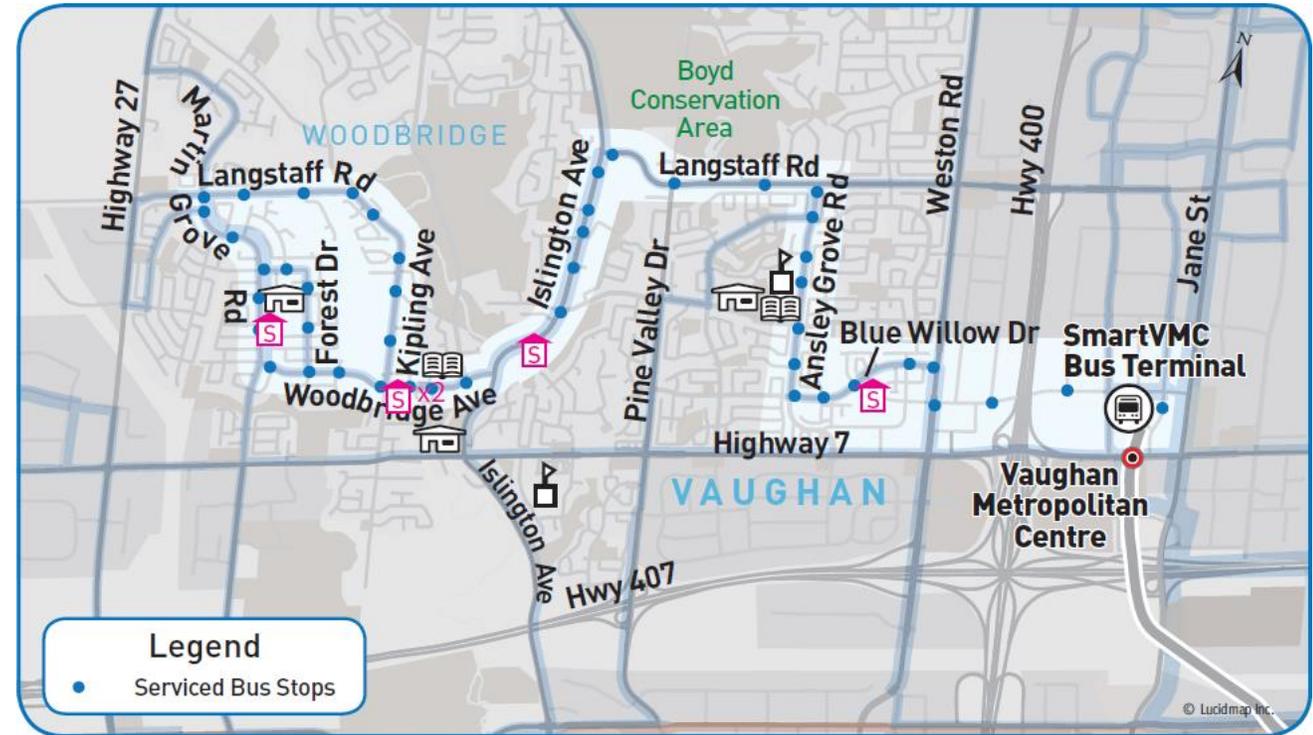
- Weekday service hour changes:

Current weekday hours	Proposed weekday hours
8 a.m. to 7:45 p.m.	10 a.m. to 1:45 p.m.

Proposed Implementation Date:

- September 2023

Current service:



Housing Facilities: Nursing Home Retirement Home Social Housing

THANK YOU

TELL US WHAT YOU THINK ABOUT THE 2023 TRANSIT INITIATIVES!

Provide your suggestions on our interactive map available at yrt.ca/TransitPlan

Timeline for feedback:
April 19 to May 27, 2022