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## project status report Q2 - 2019

YORK  
REGION  
RAPID  
TRANSIT  
CORPORATION

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## MANDATE

York Region Rapid Transit Corporation [YRRTC] is responsible for the planning, design and construction of the rapid transit network and related infrastructure.

The expertise of YRRTC lays in project management – design and engineering, procurement and financial management and community relations. A proven record of disciplined, community-focused project implementation, transparency and collaboration helps get the job done. Project management is backed by knowledge, leadership and innovation in planning great cities centred on new urbanism.

## GOVERNANCE

### Board of Directors

YRRTC is a share capital corporation and wholly-owned subsidiary of The Regional Municipality of York. Its Board of Directors is comprised of elected officials from York Region. There is no private sector or other public sector representation on the YRRTC Board of Directors at this time.



**Chair of the Board**  
Frank Scarpitti  
Mayor  
Markham



**Vice-Chair of the Board**  
Maurizio Bevilacqua  
Mayor  
Vaughan



**Director & CEO**  
Wayne Emmerson  
Chairman and CEO  
The Regional Municipality of York



**Director**  
Dave Barrow  
Mayor  
Richmond Hill



**Director**  
John Taylor  
Mayor  
Newmarket



**Director**  
Jim Jones  
Regional Councillor  
Markham



**Director**  
Mario Ferri  
Regional Councillor  
Vaughan

## Executive Management Team and Reporting

From the Executive Management Team, the President reports to the Chair of the YRRTC Board and the Chairman and CEO of York Region. Board meetings are held in the York Region Administrative Centre located in the Town of Newmarket. Public reports are posted online at [www.york.ca](http://www.york.ca).



**President**  
Mary-Frances Turner



**Executive Vice-President, Project Implementation**  
Paul May



**Chief Financial Officer and Treasurer**  
Chad McCleave



**Chief Infrastructure and Development**  
Stephen Hollinger

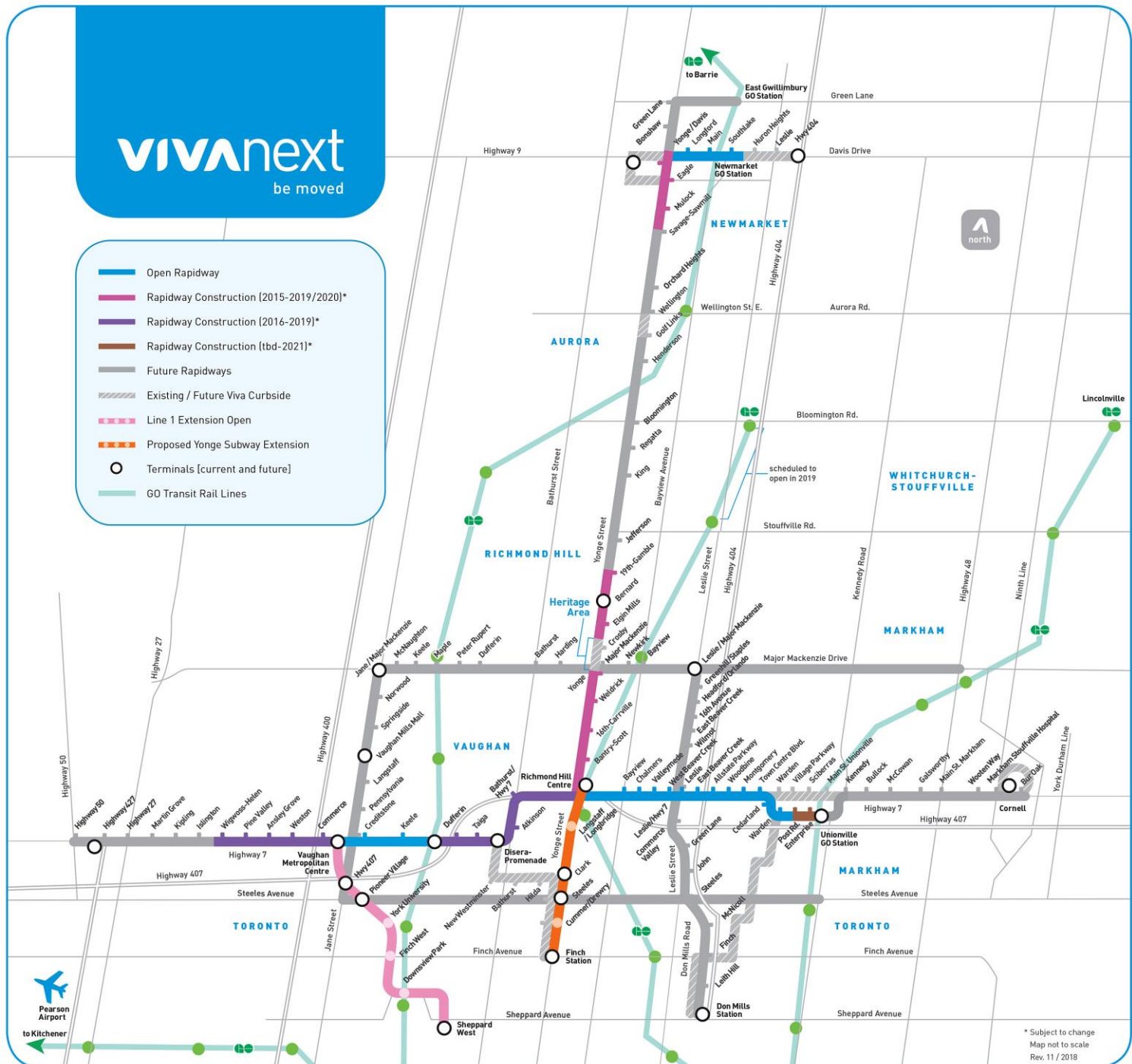


**Chief Communications Officer**  
Dale Albers



**Chief Legal & HR Officer, & Corporate Secretary**  
[Vacant]

## 1.0 VIVANEXT RAPID TRANSIT SYSTEM NETWORK

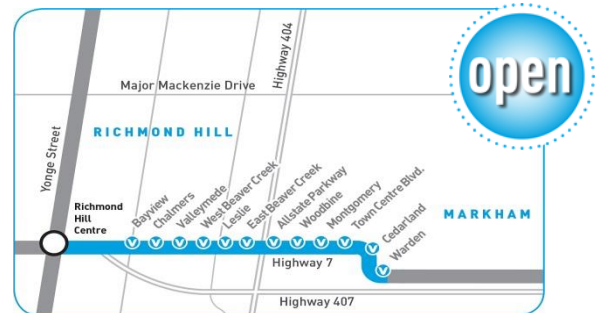


## 2.0 BUS RAPID TRANSIT (BRT) PROGRAM

### HIGHWAY 7 EAST - RICHMOND HILL CENTRE TO WARDEN AVENUE (H3)

#### Project Description

- The Highway 7 East (H3) rapidway extends 6.0 km from Richmond Hill Centre to Warden Avenue in the Town of Richmond Hill and the City of Markham, with 10 centre-lane vivastations and one curbside station
- The first segment from Bayview Avenue to Highway 404 has been in service since August 2013
- The second segment from Highway 404 to South Town Centre Boulevard (STC) has been in service since August 2014
- The final segment from STC to Warden Avenue was completed in December 2014 and service started in January 2015
- Since 2009 before the rapidway began construction, there has been a 15% decrease in travel time and a 18.5% increase in ridership



#### Progress Status Update

##### Utility Relocations

- All utility works are fully completed

##### Design-Build Construction

- Final warranty walk-downs completed in June 2017
- Minor final-warranty works completed
- Final Acceptance certificate issued November 2018



## 2.0 BUS RAPID TRANSIT (BRT) PROGRAM

### DAVIS DRIVE – YONGE ST. TO HIGHWAY 404 (D1)

#### Project Description

- The Davis Drive (D1) rapidway in the Town of Newmarket extends for 2.7 km from Yonge Street to Roxborough Road – just east of Southlake Regional Health Centre
- The rapidway includes three centre-lane vivastations and two curbside stations and has been in service since December 2015
- Viva service continues east in mixed-use traffic, terminating at Highway 404
- Final hand-over was achieved in Q3 of 2016
- Total Performance was achieved in December 2016
- YRT/Viva ridership has increased on Davis Drive by 123% compared to before rapidway construction began (2011) and travel times are up to 39% faster compared to curbside service before the new Yellow Viva route began in 2015
- The Davis Drive transformation includes upgraded infrastructure, modern streetscapes, tree-lined sidewalks and upgraded utilities, helping attract growth and investment



#### Progress Status Update

##### Property

- Union Hotel – building listed by Region in Q4 2018; an offer has been accepted by the Region and is currently being finalized
- The next groupings of properties for sale are currently being prepared.
- 151-161 Davis Drive, Phase 3 of the environmental work program to be finalized by Q3 2019, with implementation of Phase 3 works targeted for Q4 2019

##### Utility Relocations

- All utility works completed

##### Design-Build Construction

- Warranty period and warranty work is ongoing, including on-going monitoring of cracking and delamination of Keith Bridge parapet walls

##### Keeping the Public Informed

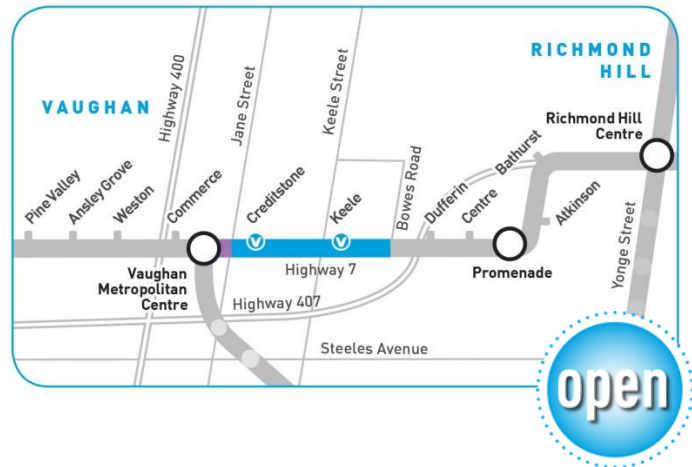
- Community Liaisons are supporting the environmental program and warranty work

## 2.0 BUS RAPID TRANSIT (BRT) PROGRAM

### HIGHWAY 7 WEST, VAUGHAN METROPOLITAN CENTRE – BOWES ROAD TO EDGELEY BOULEVARD (H2-VMC)

#### Project Description

- The H2-VMC rapidway refers to Highway 7-West, from Bowes Road to Edgeley Boulevard – it includes the construction of three centre-lane vivastations along 3.6 km of rapidway
- One of the three vivastations, Vaughan Metropolitan Centre Station (pictured below), is a much larger station to accommodate more buses and customers. It connects directly down to a TTC subway concourse, which leads to an underground pedestrian path to SmartCentres Place Bus Terminal



#### Progress Status Update

##### Property

- Due Diligence Risk Assessment targeted for Q4 2019

##### Utility Relocations

- All utility relocations have been completed

##### Design-Build Construction

- Substantial Completion was achieved on December 15, 2017 with the project fully handed over to York Region in advance of revenue service
- Viva revenue service commenced December 17, 2017, on the same day as TTC began revenue service for the Line 1 extension, with a public grand opening event taking place

##### Keeping the Public Informed

- Community Liaisons are available to work with the local businesses and residents to address any concerns and keep the community informed of any remaining warranty work
- Email subscription list currently has 1,913 subscribers

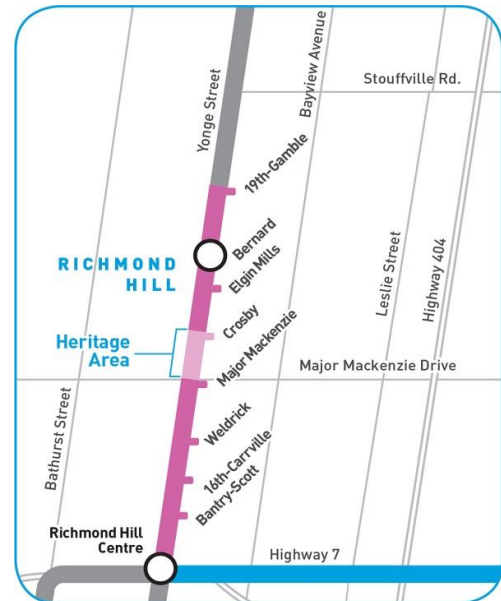


## 2.0 BUS RAPID TRANSIT (BRT) PROGRAM

**YONGE STREET – HIGHWAY 7 TO MAJOR MACKENZIE DR. (Y2.1); LEVENDALE RD. TO 19TH AVE./GAMBLE RD. (Y2.2); SAVAGE RD./SAWMILL VALLEY DR. TO DAVIS DR. (Y3.2)**

### Project Description

- The Yonge Street (Y2.1) rapidway in the City of Richmond Hill extends approximately 3.6 km from Richmond Hill Centre (Highway 7) to Major Mackenzie Drive and includes four centre-lane vivastations
- Yonge Street (Y2.2) rapidway in the City of Richmond Hill, extends from Levendale Avenue to 19<sup>th</sup> Avenue/Gamble Road and includes 2.9 km of rapidway and three centre-lane vivastations
- Yonge Street (Y3.2) rapidway in the Town of Newmarket extends approximately 2.4 km from Savage Road/Sawmill Valley Drive to Davis Drive and includes three centre-lane vivastations



### Progress Status Update

#### Property

- Environmental Risk Evaluation for the corridor is complete, and implementation with the design builder is underway
- Four high-impact sites within Y2.1 are currently being monitored, with a remediation program to be developed, finalized and implemented by Q3/Q4 2019
- Due Diligence Risk Assessment targeted for Q1-2020

#### Utility Relocations

##### City of Richmond Hill – Y2.1

- Enbridge gas main relocations are complete
- Alectra aerial relocations from the south limit to 16th Ave. on the west side are complete
- Temporary poles are being removed after the final segment of water main is installed and commissioned
- Alectra/Bell/Rogers – Joint Use Trench construction is complete
- Alectra cut-overs and aerial removals are complete, and Rogers cut-overs are in progress

##### City of Richmond Hill – Y2.2

- Enbridge gas main relocation is complete
- Alectra aerial relocations are complete



- Alectra/Bell/Rogers – Joint Use Trench construction is complete
- Alectra and Bell cut-overs are complete and Rogers cut-overs are in progress

*Town of Newmarket - Y3.2*

- All utility relocations are complete in Newmarket

**Design-Build Construction**

- The Y2.1 and Y2.2 segments in Richmond Hill are 77% complete, overall
- The Y3.2 segment in Newmarket is 91% complete

*Town of Richmond Hill – Y2.1*

- South Limit to Northern Heights Drive:
  - Stage 3 configuration is in place
  - East side: removals, road widening, storm installation, planter installations and curbs are complete; paver base and sidewalks are poured from South Limit to Beresford Dr.
  - Storm and water main installations, and road widening, are underway
  - Scott Station caissons have been poured
- 16th Ave. to Major Mackenzie Dr.:
  - Stage 2 configuration is in place
  - East and west sides: removals, road widening, and storm installation is underway
  - Water main installation and commissioning is complete from Hillcrest Mall to Major Mackenzie



*City of Richmond Hill – Y2.2*

- Levensdale to Elgin Mills:
  - Stage 2 configuration is in place
  - West side: removals, road widening, storm installation, planter installation and curbs are complete; electrical work is in progress
- Elgin Mills to Bernard:
  - Stage 2 configuration is in place
  - East side: Removals, road widening, storm installation and curbs are complete
- Bernard to North Limit:
  - Stage 3 configuration is in place
  - East side: removals, road widening, storm installation and curbs are complete; planter installation, base asphalt and electrical work are nearing completion



- Gamble Station caissons have been poured

## Town of Newmarket - Y3.2

- Stage 4 configuration (traffic making intersection U-turns instead of mid-block left turns) is in place for the entire corridor:
  - West side: boulevards and bike lanes are nearing completion
  - East side: planter installations and sidewalks are underway; retaining wall installation is complete
- Station and median construction:
  - Concrete caisson foundations were completed for all stations
  - The main platform slab is complete at the Mulock northbound, Mulock southbound, and Eagle northbound platforms
  - Barrier wall formworks are underway at the Mulock northbound platform
  - Removals for median construction are ongoing



## Keeping the Public Informed

- The Yonge Street database has over 4,220 subscribers for construction updates and bulletins from Richmond Hill and Newmarket communities
- Construction notices related to upcoming and impactful work [including overnight work, water main installation, temporary road closures and line painting] were hand delivered to over 3,908 residences in Richmond Hill and Newmarket
- The Community Liaison team continues to work with local businesses and residents and participate in various community engagement activities targeted to key stakeholders and community groups
- The spring/summer newsletter was delivered by Canada Post to residents of Newmarket and emailed to a subscriber list for Newmarket, and for Richmond Hill
- A newsletter was sent to York Region District School Boards to deliver to elementary and secondary schools near Yonge construction corridors
- Partnered with the City of Richmond Hill's 'Clean Up Green Up' event – project team members worked at the Yonge/Carrville intersection to pick up trash – April 25
- Project information booths were set up at the following events and locations:
  - York Region Transportation Services Public Information Centres – April 3 at Town of Newmarket Offices, and May 2 at Richmond Hill Central Library
  - Newmarket Chamber Mayor's Lunch – Apr. 26
  - Pedestrian Safety Blitz – outreach at major intersections in Richmond Hill – May 1 and May 8
  - Newmarket Chamber Regional Chairman's Lunch – May 13
  - York Region Family Fun Day – Maintenance & Storage Facility (OMSF) in Richmond Hill – May 24
  - SmartCommute Bike to Work Day – May 27 in Newmarket
  - Councillor Chan's Ward BBQ – June 23 in Richmond Hill
  - Key stakeholder presentations to Beverly Hills Condos – Richmond Hill – April 15
  - Brandy Lane Board Meeting – May 27 in Newmarket

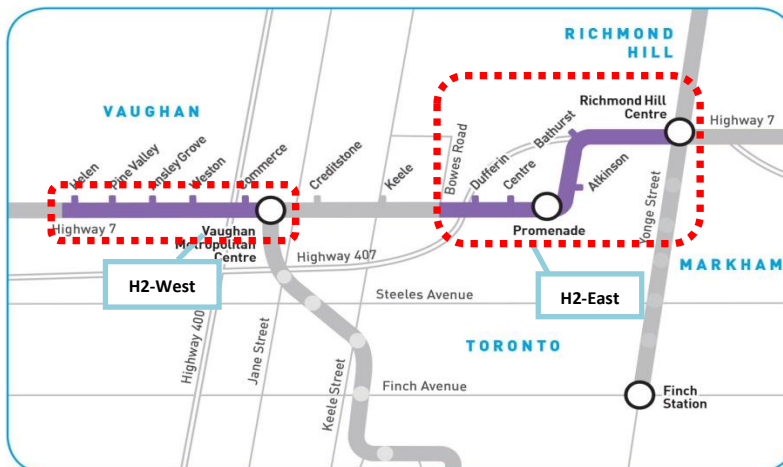


## 2.0 BUS RAPID TRANSIT (BRT) PROGRAM

### HIGHWAY 7 WEST (H2-WE), BATHURST AND CENTRE STREETS FROM YONGE STREET TO BOWES ROAD (H2-EAST) AND EDGELEY BOULEVARD TO HELEN STREET (H2-WEST)

#### Project Description

- The H2-WE rapidway refers to approximately 12.4 km of rapidway along Highway 7 West, Bathurst and Centre Streets and includes the construction of 10 centre-lane vivastations
- The rapidway is expected to be in service by end of 2019



#### Progress Status Update

##### Property

- Environmental Risk Evaluation for the corridor is complete, and implementation with the design builder is underway
- One high-impact site at the west end of the corridor is currently being monitored, with a remediation program to be developed, finalized and implemented by Q3/Q4 2019
- Due Diligence Risk Assessment targeted for Q1-2020

##### Utility Relocations

- All utility relocations along Highway 7, Centre St. and Bathurst St. are complete for Alectra and Enbridge
- Cable pulling and splicing for Bell and Rogers are ongoing on Highway 7 and Centre St.

##### Design-Build-Finance (DBF) Construction

- Overall project is at 80% completion
- All Design Submissions have reached IFC and design revisions are issued as needed
- Works on 10 stations continue in varying stages from canopy installation to electrical
- Base paving including adjustments to pavement elevation has begun throughout Highway 7, Centre St. and Bathurst St. in



advance of final paving in Q3 2019

- Final red asphalt was laid in the Highway 7 intersection east of Bathurst St.
- Highway 7 traffic on the Highway 400 bridge has been shifted to the north and south sides of the median to accommodate construction of the rapidway and a Multi-Use Path from east of Highway 400 to Famous Ave.
- Paving of the northbound Highway 400 off-ramp continues in anticipation of final paving in Q3 2019
- Boulevard works, including planter box and sidewalk, continue to progress along Centre St., Bathurst St. and Highway 7 as areas become available, with the main focus in these locations: Bruce St. to Helen St. and Weston Rd. to Edgeley Blvd. on Highway 7; Dufferin St. to Bathurst St. on Centre St.; and Centre St. to Highway 407 on Bathurst St.
- Traffic has been shifted in various areas on Bathurst St. to allow for excavation of median planters with minimal impact to traffic and reduced lane closures
- Median works continue, including islands and planters, on Highway 7 west of Pine Valley Dr.; on Bathurst St. and on Centre St.
- Shrubs and trees have been planted along Highway 7 and Centre St. boulevards and medians with the remainder to be planted in Q2 2020
- Work on permanent streetlight and traffic signals is ongoing, as areas become available
- Municipal water main replacement on Highway 7, west of Pine Valley Dr., is complete
- The project is scheduled to be in service by the end of 2019, with remaining work to be completed by the end of 2020



## Keeping the Public Informed

- The subscription list for construction updates and bulletins in these corridors is currently 3,096 with outreach and initiatives continuing to increase the subscriptions
- Construction notices related to upcoming and impactful work [including overnight work and water main installation] were hand delivered to 2,235 residences in Woodbridge and Thornhill
- The Community Liaison team continues to work with local businesses and residents and participate in various community engagement activities targeted to key stakeholders and community groups
- The spring/summer newsletter was delivered by Canada Post to residents of Vaughan as well as emailed to the subscriber list
- Partnered with the City of Vaughan's '20-Minute Community Makeover' event – project team members worked in the Highway 7/Pine Valley area to pick up



trash on April 23

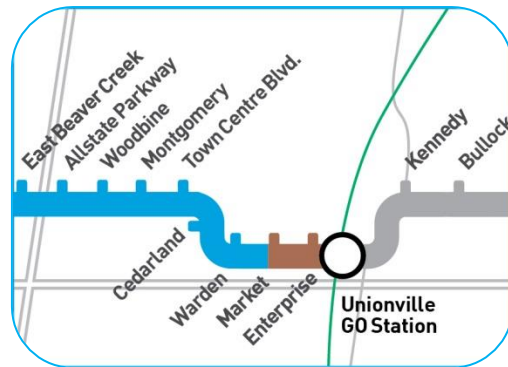
- A newsletter was sent to York Region District School Board to deliver to elementary and secondary schools near Highway 7 and Bathurst and Centre construction
- Project information booths were set up at the following events and locations:
  - York Region Family Fun Day – Maintenance & Storage Facility (OMSF) – Richmond Hill, May 24
  - Concerts in the Park – June 5 at Vaughan Metropolitan Centre, June 26 at Chancellor Park
  - SmartCentres Summerfest – June 9 at Disera Drive and Centre St.
  - Vaughan Chamber of Commerce Colossal Chamber Event – June 4
- Key stakeholder presentations to:
  - Children, Healthcare, Women [CHW] Shoshana Chapter – May 27

## 2.0 BUS RAPID TRANSIT (BRT) PROGRAM

### ENTERPRISE BOULEVARD – BIRCHMOUNT ROAD TO JUST EAST OF KENNEDY RD. (H3.4)

#### Project Description

- The H3.4 rapidway will connect to the existing Enterprise Boulevard rapidway at Birchmount Road, and will continue through Markham Centre, east to Kennedy Road
- The project includes approximately 1.2 km of rapidway and one centre-lane vivastation
- Since the rapidway project opened more than 10,000 new residential units, and over 113,000 square metres of commercial office/space has been built in the Markham Centre area



#### Progress Status Update

##### Progress Update

- Design of this segment will be integrated with a number of transportation, development, and mobility hub studies that are required for Markham Centre
- These initiatives are being coordinated between the City of Markham, Metrolinx and YRRTC
- The identification and evaluation of Alternative Alignments to the EA-approved H3.4 alignment in Markham Centre, is included in a Mobility Hub study conducted by Metrolinx



Markham Centre

### 3.0 INFRASTRUCTURE & DEVELOPMENT PROGRAM

#### OPERATIONS, MAINTENANCE AND STORAGE FACILITY (OMSF)

##### Project Description

- The Operations, Maintenance and Storage Facility (OMSF) is a 24-acre site, with a 481,679 square foot LEED Silver Certified facility located at Headford Business Park in the City of Richmond Hill (at Leslie Street and 16<sup>th</sup> Avenue)
- It includes energy-efficient and environmentally-friendly features such as energy-efficient lighting and heating systems, a “cool roof” to save on cooling costs and a rainwater recycling system
- The facility was constructed to accommodate 196 buses on opening day and up to 250 articulated buses over time
- It includes four main areas:
  - Administrative Building
  - Storage Garage
  - Repair Garage
  - Bus Wash



##### Progress Status Update

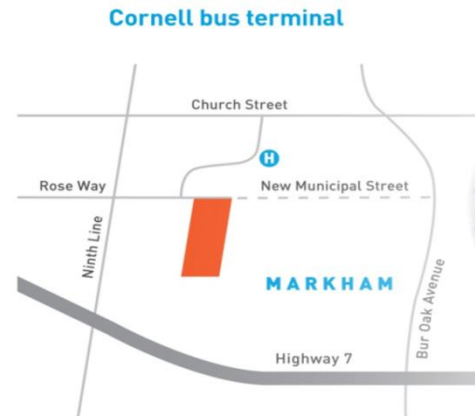
- The Operations, Maintenance and Storage Facility (OMSF) is 100% complete and in service since June 2015



## CORNELL TERMINAL

### Project Description

- Cornell Terminal is a planned 11-bay bus terminal located in the City of Markham, at Highway 7 East and Ninth Line near Markham Stouffville Hospital (MSH)
- It will connect Viva service with local YRT transit routes in eastern Markham and potentially with Durham Transit and GO bus services in future
- Lands and land-related matters for the project are funded 100% under the QuickWins Agreement with the Province
- Design and construction for the project are funded under the Federal-CSIF Contribution Agreement and York Region (50/50 cost share)



### Progress Status Update

#### Design-Bid-Build Construction

- Coordination of design and construction of the future roads and utilities network adjacent to the terminal continues, with a cost sharing agreement underway
- The project was awarded to Orin Contractors Corp. in June 2018
- Undertaking for the Site Plan was signed and executed
- The full building permit was received on October 4, 2018
- Construction activities are progressing onsite - overall, construction is 40% complete
- Underground utilities and site works were completed in Q1 2019
- Foundations for grade beams is nearing completion
- Structural steel is complete for the North Building and Platform, and almost complete for the South Building
- South Plaza and Colonnade works are in progress

The terminal is expected to be completed by the end of 2019



## RELATED INITIATIVES

### Project Description

- Regional lands were acquired for the construction of Bus Rapid Transit projects. YRRTC continues to work with York Region, Metrolinx and the municipalities to achieve optimal cost recovery
- Significant Regional lands were acquired for construction of the Toronto-York Spadina Subway Extension, the Highway 7 East rapidway, and the Park and Ride program. YRRTC continues to work with York Region and local municipalities to Master Plan the lands for long-term development
- Investigation services for the lands at Warden Avenue and Enterprise Boulevard are complete and final reports are being prepared by The Municipal Infrastructure Group

### *Steeles West and Jane/Steeles Lands*

- Master planning the lands for long-term development:
  - Continuing to review the planning framework and undertake market sounding
  - Identifying planning amendments required to achieve optimized highest and best use
  - Identifying partnering opportunities and establishing relationships
  - Transfer of lands adjacent to TYSSE subway facilities progressed and will be finalized in Q3/Q4 2019



### *Davis Drive Park and Ride*

- The carpool lot located at Davis Drive and Highway 404 was expanded to a Park and Ride facility for York Region Transit (YRT/Viva) and GO Transit and went into service in late November 2015
- The facility consists of:
  - 200 parking spots, two platforms for GO buses, two platforms for YRT/Viva buses, a bus layover area, and bus shelters for GO and YRT/Viva
- The design and construction for this facility was 100% funded and delivered by GO Transit



### 3.1 TORONTO-YORK SPADINA SUBWAY EXTENSION (TYSSE) PROGRAM

#### SPADINA SUBWAY EXTENSION

##### Project Description

- Now open for service, the 8.6 km extension of Line 1 stretches from Sheppard West Station to the Vaughan Metropolitan Centre (VMC) area at Highway 7 and Jane Street
  - 6.2 km from Downsview Subway Station to Pioneer Village Subway Station – 60% in City of Toronto
  - 2.4 km from Pioneer Village Subway Station to Vaughan Metropolitan Centre Subway Station – 40% in York Region
- Final close-out of the TYSSE project is underway and scheduled for completion by end of 2021
- Handover and close-out of the YRT bus terminals will occur in 2019



##### Progress Status Update

#### Subway Stations in York Region: Pioneer Village, Highway 407 and Vaughan Metropolitan Centre (VMC)

##### Pioneer Village Subway Station

- Located at Steeles Avenue and Jane Street, with the north half of the station located in the City of Vaughan
- Includes a fully accessible subway entrance, a five-bay YRT bus terminal with customer amenities, a TTC bus terminal, a Passenger Pick-Up and Drop-Off (PPUDO), and a 1,900-vehicle parking lot



##### Progress Status Update

- Began revenue service on December 17, 2017
- YRT began service from the YRT bus terminal on December 17, 2017
- Formal handover of the YRT bus terminal from TTC to YRT occurred in Q2 2019

##### Highway 407 Subway Station

- Includes an 18-bay bus terminal for GO Transit and YRT, a PPUDO, and a 600-vehicle parking lot

##### Progress Status Update

- Began revenue service on December 17, 2017
- YRT began service from the bus terminal on December 17, 2017
- GO Transit began service at the bus terminal on December 30, 2017



### VMC Subway Station

- Northern terminus of the Line 1 Spadina Subway Extension
- Includes a station entrance building, a direct underground pedestrian connection to the Viva BRT Station on Highway 7, a direct underground pedestrian tunnel to SmartCentres Place Bus Terminal, a pedestrian tunnel under Millway Avenue, and the ability to connect to other future commercial and residential developments



### Progress Status Update

- Began revenue service on December 17, 2017



### Viva BRT Concourse

- Viva BRT Concourse – the direct underground pedestrian connection between VMC Subway Station and the Viva BRT station at Highway 7, west of Jane Street

### Progress Status Update

- Substantial completion was achieved on December 15, 2017 with handover to YRT
- The Viva BRT station began revenue service on December 17, 2017 to coincide with TTC's subway revenue service for the Toronto-York Spadina Subway Extension
- Escalators are in service

## SMARTCENTRES PLACE BUS TERMINAL

### Project Description

- SmartCentres Place Bus Terminal in Vaughan Metropolitan Centre [VMC] is a local transit terminal forming part of an integrated transit facilities hub at the terminus of in the Line 1 subway extension to the VMC area
- A nine-bay bus terminal designed to accommodate six platforms for service by YRT and three for future use by YRT and other transit services
- The terminal is located over the tail tracks of the VMC Subway Station and is directly connected to the subway station concourse by an underground pedestrian tunnel

### Progress Status Update

Key project milestones achieved to date:

- YRRTC triggered the Performance Bond issued by Zurich (surety) in August 2018
- A Takeover and Completion Agreement was executed with Zurich
- Construction has re-commenced on site and work in progress includes:
  - Commissioning is nearing completion
  - Finishes are ongoing
  - Occupancy Inspections are underway
  - Elevator TSSA Inspection has been completed
  - Escalator TSSA Inspection is in process
- The terminal construction is at approximately 99%, and is expected to be operational by year end 2019



### 3.2 YONGE SUBWAY EXTENSION (YSE) PROGRAM

#### Project Description

- This project is a 7.4 km extension of the existing Yonge Subway (Line 1), from Finch Station to the Richmond Hill Centre and includes up to six new stations, two major transit terminals (Steeles Avenue and Richmond Hill Centre) and an underground train storage facility north of Richmond Hill Centre

#### Progress Status Update

- In April, the Province announced transportation project funding totalling \$28.5B, of which a portion will be allocated for the YSE project. The estimated construction costs for the YSE are \$5.6 billion\* (in escalated dollars)
- Legislation (Bill 107) received Royal Assent June 6, paving the way for the transfer of assets, and contract management from TTC to the Province
- Throughout Q2 2019 the following work has been completed for the preliminary engineering and design activities:
  - Geotechnical: Wood, Englobe Corp and Thurber Engineering Ltd. is approximately 40% complete the geotechnical investigation field work
  - Design: Interim Scope Review Submissions were received from the Tunnelling, Stations, and Systems designers. Workshops with stakeholders were facilitated; comments were solicited, compiled and provided back to TTC, and their consultants, for resolution. YRRTC is anticipating responses to the comments shortly
- Transit Oriented Development workshops were facilitated with key stakeholders, including local municipalities, York Region, City of Toronto, MTO, Metrolinx, design experts, and property owners. These workshops were a collaborative effort to explore transit integrated development opportunities along the YSE corridor
- The YSE project is moving forward with the Base Design Submission, to complete the key deliverables as committed to in the Project MOU
- A YSE Joint Communications Working Group has been established and Communications, Community Relations and Media Relations plans and protocols have been developed and are being implemented
- Engagement of municipal stakeholders is underway, broader public outreach began in Q4 2018 and is ongoing



\* Conceptual Design Report estimate, escalated to 2017 dollars, representing the costs in the actual year of construction (planned 2022 to 2031). This is a Class 4/5 estimate and is not appropriate for budgeting purposes.

#### **4.0 PROCUREMENT ACTIVITIES**

*All tables express values exclusive of taxes.*

##### **4.1 AWARDED CONTRACTS – NEW**

Procurement activities for Q2 2019 - No new contracts were awarded during Q2 2019.

## 4.2 AMENDED CONTRACTS – EXISTING

In Q2 2019, total increases to 5 existing contracts were in the amount of approximately \$6.90 million – primarily driven by the increase to Program Management Consulting Services, Technical Advisory and Construction Oversight Services and VivaNext Corridor Banners. (See Table 1 of Appendix 1).

In addition, 8 existing contracts were extended (see Table 2 of Appendix 1); and 2 existing contracts were closed off – (see Table 3 of Appendix 1).

The table below identifies a *Categorized Summary of YRRTC Contract Amendments*:

Category	Activities	Q2-2019
<b>Corporate</b>	Closed	0
	Extensions	0
	Increased Amounts (2)	\$6,376,498.51
<b>BRT Property</b>	Closed	2
	Extensions	1
	Increased Amounts (0)	0
<b>BRT Construction</b>	Closed	0
	Extensions	3
	Increased Amounts(0)	0
	Decreased Amount (1)	\$4,340,000
<b>Subways</b>	Closed	0
	Extensions	0
	Increased Amounts(0)	0
<b>Facilities &amp; Terminals</b>	Closed	0
	Extensions	3
	Increased Amounts(2)	479,290.10
	Decreased Amount (1)	314,863.98
<b>Communications</b>	Closed	0
	Extensions	1
	Increased Amounts(1)	\$43,650
<b>Preliminary Engineering</b>	Closed	0
	Extensions	0
	Increased Amounts(0)	0
<b>Total Closed</b>		<b>2</b>
<b>Total Extensions</b>		<b>8</b>
<b>Total Increased Amounts (5)</b>		<b>\$6,899,438.61</b>
<b>Total Decreased Amounts (2)</b>		<b>\$4,654,863.98</b>

\* Closed – refers to contracts closed during the period. \*\*Extensions– refers to total number of contracts extended for the period.

\*\*\* Increased Amounts – refers to increases to existing contracts for the period – due to contingencies and/or added scope. \*\*\*\* Decreased Amounts – refers to decreases to existing contracts for the period.

With the procurement activities related to existing and new contracts as well as soon-to-be executed agreements, total financials for the program are \$3.326 billion out of the funding availability of \$3.416 billion.

- Metrolinx Capital Program of \$1.784 billion – \$1.741 billion or approximately 98% committed
- Region Capital Program of \$1.632 billion – \$1.587 billion or approximately 97% committed

## 4.3 PROCUREMENT ACTIVITIES IN PROGRESS

The table above identifies a Categorized Summary of YRRTC Procurement Activities in Progress –no contract in the works (see Table 1 of Appendix 2).

## 4.4 UPCOMING & PLANNED PROCUREMENT ACTIVITIES

The following table provides a Summary of YRRTC Upcoming Procurements not yet advertised, categorized by the anticipated project start date (see details in Appendix 3):

Category	Estimated Value	Estimated Project Start Period	
		Q3-2019	Q4-2019
Corporate (0)	\$25,001 to \$50,000	0	0
	\$50,001 to \$100,000	0	0
	\$100,001 to \$500,000	0	0
	N/A	0	0
BRT Property (10)	\$25,001 to \$50,000	2	0
	\$50,001 to \$100,000	0	2
	\$100,001 to \$500,000	3	3
	N/A	0	0
BRT Construction (2)	\$25,001 to \$50,000	0	0
	\$50,001 to \$100,000	0	0
	\$100,001 to \$500,000	0	1
	N/A	1	0
Subway (0)	\$25,001 to \$50,000	0	0
	\$50,001 to \$100,000	0	0
	\$100,001 to \$500,000	0	0
	N/A	0	0
Facilities & Terminals (1)	\$25,001 to \$50,000	0	1
	\$50,001 to \$100,000	0	0
	\$100,001 to \$500,000	0	0
	N/A	0	0
Program Management (0)	\$25,001 to \$50,000	0	0
	\$50,001 to \$100,000	0	0
	\$100,001 to \$500,000	0	0
	N/A	0	0
Communications (1)	\$25,001 to \$50,000	0	0
	\$50,001 to \$100,000	1	0
	\$100,001 to \$500,000	0	0
	N/A	0	0
	\$25,001 to \$50,000	0	0

Preliminary Engineering(0)	\$50,001 to \$100,000	0	0
	\$100,001 to \$500,000	0	0
	N/A	0	0
<b>Grand Total (14)</b>		<b>7</b>	<b>7</b>

## 5.0 FINANCIAL UPDATES

### 5.1 CAPITAL EXPENDITURES SUMMARY

YRRTC is the program manager for rapid transit infrastructure that has a total funding of \$3.416 billion. By 2020/2021, the Region will see the project delivery of:

- 34.6 km of dedicated bus rapidways with 41 stations – along Highway 7, Yonge Street and Davis Drive
- 8.6 km of the Toronto-York Spadina Subway extension to Highway 7 (just west of Jane Street) with three subway stations in York Region – Pioneer Village, Highway 407 and Vaughan Metropolitan Centre
- One operations, maintenance and storage facility at the Headford Business Park in Richmond Hill
- Two bus terminals: at Vaughan Metropolitan Centre, and in Markham's Cornell community
- Park and Ride facilities
- 53 articulated, 60-foot-long buses

#### Current Capital Program – \$3.416 billion:

The total value of the capital programs being delivered carries a value of \$3.416 billion, with the Region's contribution at \$773.3 million and the remainder funded by senior levels of government.

- Federal = 11% or \$370.4 million
- Provincial = 66% or \$2.3 billion
- York Region = 23% or \$773.3 million

Above funding of the capital programs includes the executed agreements of the \$67.6 million from the QuickWins Contribution Agreement, the \$1.755 billion from the Metrolinx Master Agreement, the \$170.0 million from the Canada Strategic Infrastructure Fund (CSIF) and the \$36.3 million from the Public Transit Infrastructure Fund (PTIF) program.

Capital expenditures were approximately \$154.3 million during the first half of the year, bringing total expenditures to \$3.2 billion since inception of the Capital Programs. The main drivers of the expenditures are:

- Construction activities for the Bus Rapidways and Stations (BRT) Program – \$131.2 million
- Construction activities mainly for SmartCentres Place VMC Bus Terminal, and Cornell Terminal – \$6.9 million
- Toronto-York Spadina Subway Extension (TYSSE) – \$14.9 million

## Summary of Capital Expenditures – Q2 2019 and Inception To-Date

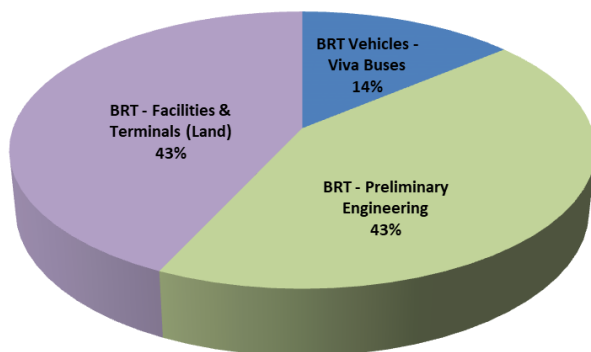
Program	Expenditures Year-to-Date	Expenditures Inception to-Date	Total Budget	Budget Remaining	% Remaining
BRT Rapidways and Stations *	131,223,774	1,682,121,285	1,783,915,948	101,794,664	6%
BRT Facilities & Terminals	7,834,089	188,109,371	209,074,726	20,965,355	10%
BRT Vehicles - viva Buses	-	46,730,575	46,730,575	-	Completed
Toronto-York Spadina Subway Extension (TYSSE)	14,928,295	1,261,542,931	1,329,245,876	67,702,945	5%
Yonge Subway Extension (YSE) - Conceptual Design	18,784.94	4,115,361	4,308,346	192,985	4%
Yonge Subway Extension (YSE) - Planning & PE	-	-	36,344,175	36,344,175	100%
Rapidway Transit Initiatives	294,054	2,438,716	5,985,516	3,546,800	59%
<b>Total</b>	<b>\$154,298,997</b>	<b>\$3,185,058,240</b>	<b>\$3,415,605,163</b>	<b>\$230,546,924</b>	<b>7%</b>

\* Budget is net of Municipal and 3<sup>rd</sup> Party Recoveries, and comprises of \$28.9 million from the QuickWins Contribution Agreement for the BRT Rapidways and Stations (Refer to Section 5.2 for additional details) and \$1.755 billion from the Metrolinx Master Agreement.

## 5.2 QUICKWINS CONTRIBUTION AGREEMENT – \$67.6 MILLION

A total of \$105.6 million was announced as *QuickWins* funding. Under this provincial announcement, this funding consisted of a \$67.6 million in funds advanced and an additional contribution of \$38.0 million – which was subsequently transferred and included in the Metrolinx Master Agreement of \$1.755 billion.

### QuickWins Project Components – per Capital Budget



### Funding Sources



## Summary of Capital Expenditures – Q2-2019 and Inception-To-Date

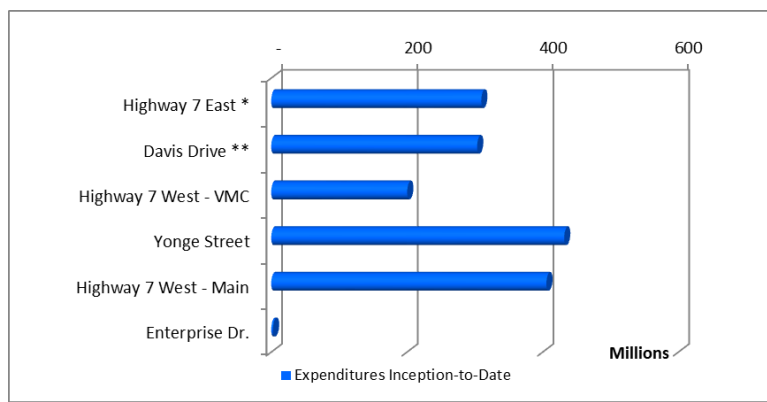
Program	Expenditures Year-to-Date	Expenditures Inception-to-Date	Total Budget
Enterprise Dr. (PE & Construction)	-	19,223,940	
Davis Drive (PE)	-	1,511,071	
Highway 7 West - VMC (PE)	-	660,259	
Highway 7 West - Main (PE)	-	6,918,838	
Yonge Street (PE)	-	590,827	
BRT Facilities & Terminals (PE & Land)	37,541	28,921,110	
BRT Vehicles - viva Buses	-	9,357,200	
<b>Total</b>	<b>\$ 37,541</b>	<b>\$67,183,245</b>	<b>\$67,600,000</b>

### 5.3 METROLINX MASTER AGREEMENT - \$1.755 BILLION

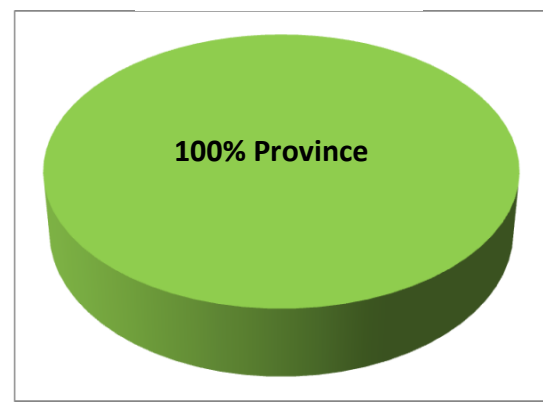
Funding 100% of the Bus Rapidways and Stations (BRT) Program in York Region – as per ‘The Big Move’ announcement for transportation infrastructure in the Greater Toronto and Hamilton Area (GTHA), the Metrolinx Master Agreement of \$1.755 billion includes:

- \$38.0 million in funding remaining from the original *QuickWins* announcement of \$105.6 million
- \$85.0 million for the Provincial ‘CSIF’ funding announcement
- \$1.4 billion announcement, plus escalation to Year 2021

**BRT Program – per Capital Budget**



**Funding Sources**



The expenditures versus this funding agreement this quarter were \$131.2 million – bringing the total expenditures to \$1.7 billion since the inception of the program – approximately 77% of the rapidways completed.

**Summary of Capital Expenditures – Q2-2019 and Inception-To-Date**

Project	Expenditures Year-to-Date	Expenditures Inception-to-Date	Total Budget
Highway 7 East *	506,137	309,527,964	
Davis Drive ***	446,451	303,474,591	
Highway 7 West - VMC **	(15,664,738)	200,410,915	
Yonge Street **	87,285,739	431,719,781	
Highway 7 West - Main **	58,669,306	405,513,334	
Enterprise Dr.	(19,120)	2,558,752	
<b>Total</b>	<b>\$131,223,774</b>	<b>\$1,653,205,337</b>	<b>\$1,755,000,000</b>

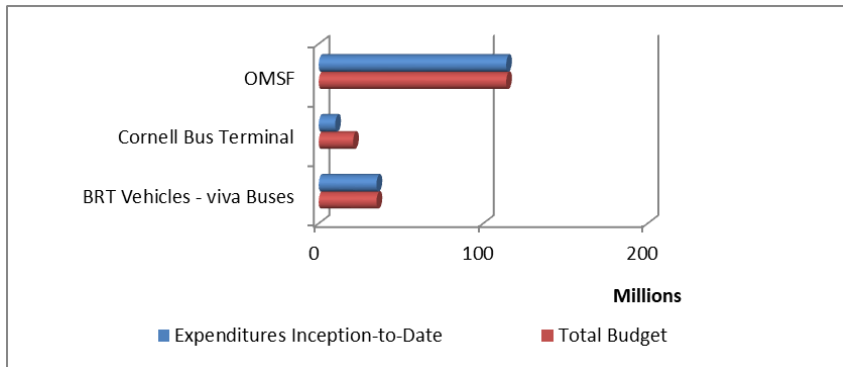
\* Inception-to-date Year-to-date Expenditures are net of Municipal and 3<sup>rd</sup> Party Works which are still in the process of being reimbursed

## 5.4 FEDERAL CSIF CONTRIBUTION AGREEMENT - \$170.0 MILLION

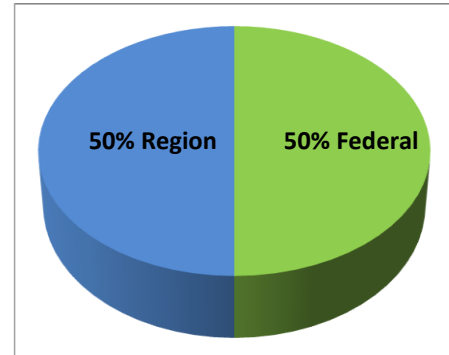
The Federal Canada Strategic Infrastructure Fund (CSIF) Contribution Agreement – valued at \$170.0 million, was executed on March 15, 2011 – a 50/50 contribution partnership between the Federal Government and the Region.

### Distribution of Funding by Project Component – \$170.0 million:

CSIF Project Components – per Capital Budget



Funding Sources



With the acquisition of the 39 buses (60-foot articulated vehicles) and the completion of OMSF, two of the three project components within the CSIF Contribution Agreement are now closed. The last project component – Cornell Bus Terminal, is scheduled to be completed by the end of 2019. Year-to-date expenditures include program management activities.

At the end of first half of the year, expenditures were \$6.2 million, bringing the total expenditures to \$159.1 million since inception of the program – as illustrated in the table below:

### Summary of Capital Expenditures – Q2-2019 and Inception-To-Date

Project	Expenditures Year-to-Date	Expenditures Inception-to-Date	Total Budget	Budget Remaining	% Remaining
<b>Operations, Maintenance and Storage Facility (OMSF)</b>	-	113,970,815	113,970,815	-	Completed
<b>Cornell Bus Terminal</b>	6,229,789	9,994,430	20,898,810	10,904,380	52%
<b>BRT Vehicles - viva Buses (39)</b>	-	35,130,375	35,130,375	-	Completed
<b>Total</b>	<b>\$6,229,789</b>	<b>\$159,095,620</b>	<b>\$170,000,000</b>	<b>\$10,904,380</b>	<b>6%</b>

## 5.5 TORONTO-YORK SPADINA SUBWAY EXTENSION PROGRAM – \$1.3 BILLION

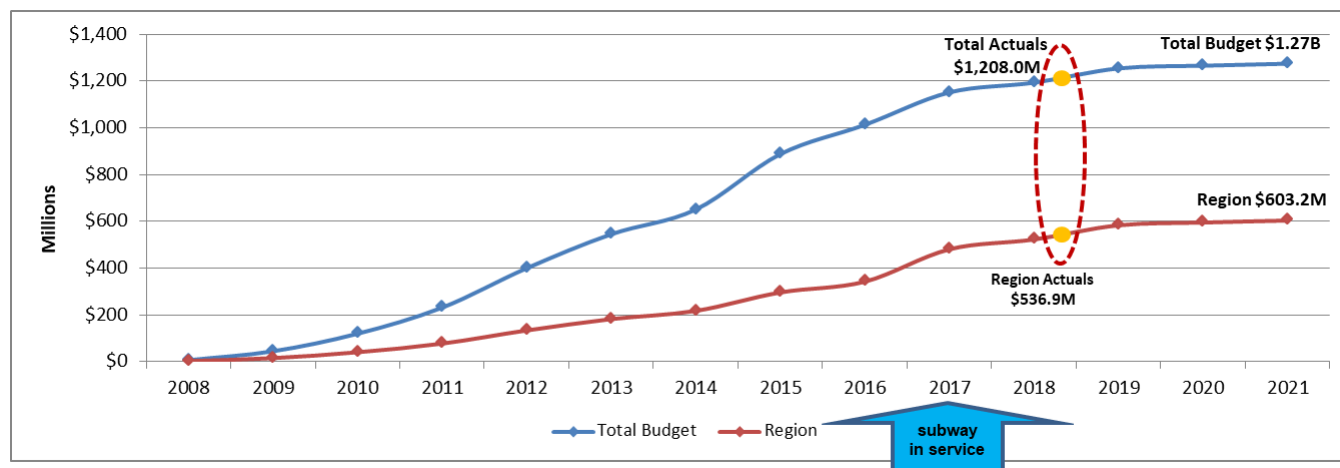
The total budget committed by the funding partners toward Toronto-York Spadina Subway Extension (TYSSE) is \$3.184 billion, of which \$1.329 billion worth of assets (40.04%) were built in York Region:

- York Region's commitment to TYSSE Construction is \$603.2 million

### Summary of Capital Expenditures – Q2-2019 and Inception To-Date

Project	Expenditures Year-to-Date	Expenditures Inception-to-Date	Total Budget	Budget Remaining	% Remaining
York Region - Capacity Buy-In	-	30,650,667	30,650,667	(0)	0%
York Region - viva Concourse	-	13,731,566	13,959,076	227,510	2%
York Region - Downsview & Others	18,309	9,180,851	10,364,800	1,183,949	11%
York Region - Subway Construction	14,909,986	536,889,851	603,181,338	66,291,487	11%
Province - Subway Construction	-	422,041,195	422,041,195	0	0%
Government of Canada - Subway Construction	-	249,048,800	249,048,800	-	0%
<b>Total</b>	<b>\$14,928,295</b>	<b>\$1,261,542,931</b>	<b>\$1,329,245,876</b>	<b>67,702,945</b>	<b>5%</b>

### TYSSE Construction Expenditures in York Region, Q2-2019 and Inception-To-Date



## 5.6 YONGE SUBWAY EXTENSION PROGRAM

Expenditures to date are:

Project	Expenditures Year-to-Date	Expenditures Inception-to-Date	Total Budget	Budget Remaining	% Remaining
Conceptual Design	18,785	4,115,361	4,308,346	192,985	4%
Planning & PE	-	-	36,344,175	36,344,175	100%
Construction	-	-	-	-	-
<b>Total</b>	<b>18,784.94</b>	<b>\$4,115,361</b>	<b>\$40,652,521</b>	<b>\$36,537,160</b>	<b>90%</b>

## 5.7 OPERATING EXPENDITURES SUMMARY

As at Q2-2019, the Gross Operating Expenditure and Net Operating Expenditures are at \$37.0 million and the \$1.5 million respectively.

- The Metrolinx Gross Operating Expenditure is at \$12.1 million which are fully recovered from the Metrolinx Capital Projects.
- The Regional Gross Operating Expenditures is at \$24.9 million (mainly due to financing costs of \$20.5 million, i.e. Debt principal of \$15.3M and Allocated Debt Interest of \$5.2M). The recoveries from Capital Projects of \$1.6 million and Revenues of \$21.8 million from Program management, Development Charges & Federal Gas Tax reduce the Operating Expenditures to \$1.5 million.

### YRRTC Operating Expenditures, Q2-2019

Operating Expenditures (\$ Millions)	YTD Jun. 2019 Operating	Regional Operating	Metrolinx Operating
YRRTC Staff & Administration.	14.4	4.1	10.3
York Region Staff & Administration	2.1	0.3	1.8
Financing Costs	20.5	20.5	-
<b>Gross Operating Expenditures</b>	<b>37.0</b>	<b>24.9</b>	<b>12.1</b>
Recoveries from Capital Projects	(13.7)	(1.6)	(12.1)
Revenues - Program Mgmt., Development Charges & Federal Gas Tax	(21.8)	(21.8)	-
<b>Net Operating Expenditures</b>	<b>1.5</b>	<b>1.5</b>	<b>0.0</b>
* Revenues from Program Management, Development Charges & Federal Gas Tax - Recorded in July 2019 for YTD June 2019			

## COMMUNICATIONS

### 5.8 GOVERNMENT RELATIONS

- Work to secure funding sources for priority vivaNext projects per YRRTC's 10-Year Business Plan is underway. Current identified priorities, with an estimated value of \$5.8 billion, are:
  - Capital funding for the Yonge Subway Extension – estimate of \$5.6 billion
  - Capital funding and preliminary engineering for future rapidway segments on Highway 7 – from Highway 50 to Helen Street and Unionville Station to 9<sup>th</sup> Line – estimate of \$734 million
  - Capital funding and preliminary engineering for a future rapidway segment on Yonge Street – from 19th Avenue to Mulock Drive – estimate of \$713 million

### 5.9 COMMUNITY ENGAGEMENT

- Community Liaison staff continue to work with community stakeholders (i.e., businesses, property owners, residents, Chambers of Commerce and Boards of Trade) to keep them informed along the construction corridors.
- Newsletters were issued to residents and businesses in Vaughan, Richmond Hill and Newmarket. Canada Post delivered approximately 24,000 newsletters in Vaughan and 7,800 in Newmarket and the newsletter was also sent to over 9,300 email subscribers. The Richmond Hill newsletter was emailed to approximately 8,000 e-mail subscribers.
- In the second quarter of 2019, the Community Liaisons participated in a variety of community events including:
  - Project Information Booths at various events
  - Presentations to key stakeholders in the communities where rapidways are being constructed
  - Participation and collaboration with SmartCommute's Bike to Work Day
  - Municipal spring clean-up and 'green' events
- VivaNext continues to engage audiences in conversation to increase the total reach and connections through social media channels. Results are reflective of the engagement and project activities during each quarter. Communications focus now changes to major construction works in the summer and fall including; paving, water main completion, road closures, vivastation installations, bus terminal work and YSE preliminary engineering.
- In Q2 of 2019, YRRTC made 239,752 connections on social media. This shows the results of corporate and construction campaigns in May and June respectively, and represents continued positive trends in engagement. Continued increases are expected as a number of projects work toward opening for service at the end of 2019.
- Engagement on social media (Twitter, Instagram, YouTube, Facebook and blog) continues to be effective, with a number of followers sharing views, likes and comments. Due to paid media campaigns in market, second quarter results are positive:

Measure / Statistics	Q2 2019
Visitors to vivanext.com	29,191
Page views to vivanext.com	57,214
Followers on Twitter	3,284
Friends on Facebook	2,176

**Subscription for updates on the vivaNext website ([vivanext.com](http://vivanext.com)) were as follows:**

Subscribers	Q2 2019
Highway 7 - Markham	1,255
Highway 7 - Vaughan	1,913
Davis Drive - Newmarket	1,458
Yonge Street – Richmond Hill & Newmarket	4,220
Spadina Subway Extension	1,366
Yonge Subway Extension	2,326
Bathurst & Centre	1,183
Corporate Newsletter	5,619

## APPENDIX 1: CONTRACT VALUE INCREASES, EXTENSIONS & CLOSURES

**Table 1 – Contract Value Increases/Decreases, Existing**

The following table provides a full breakdown by *Category - YRRTC Existing Contract Increases and decreases amended* for the period of this report – Q2 2019.

Category	RFX No.	Vendor
<b>Corporate (2)</b>	RFP-17-001-RT	Comtech Group Inc.
	RFP-18-002-RT	CH2M Hill Canada Ltd.
<b>BRT Construction (1)</b>	CC-12-020-RT	Kiewitt – Ellis Don, A Partnership (Decrease)
<b>Facilities &amp; Terminals (3)</b>	RFP-15-014-RT	HDR Corporation
	COOP-10-053-RT	Toronto Transit Commission (Decrease)
	RFQ-13-061-RT	Toronto Transit Commission
<b>Communication (1)</b>	PT-14-042-RT	Flags Unlimited Corporation
<b>Total (7)</b>		

**Table 2 – Contract Extensions, Existing**

Category	RFX No.	Vendor
<b>BRT Property (1)</b>	RFP-17-042-RT	RiskCheck Environmental Ltd.
<b>BRT Construction (3)</b>	RFQ-16-020-RT	Zayo Canada Inc.
	RFQ-15-037-RT	Rogers
	RFQ-15-038-RT	Rogers
<b>Facilities &amp; Terminals (3)</b>	RFQ-16-043-RT	DC Advisory Services
	COOP-10-053-RT	Toronto Transit Commission
	RFQ-13-061-RT	Toronto Transit Commission
<b>Communications (1)</b>	PT-14-042-RT	Flags Unlimited Corporation.
<b>Total (8)</b>		

**Table 3 – Contract Closures**

Category	RFX No.	Vendor
<b>BRT Property (2)</b>	RFQ-17-047-RT	Cushman & Wakefield Ltd
	RFQ-16-045-RT	Forest Ridge Landscaping Inc.
<b>Total (2)</b>		

## APPENDIX 2: PROCUREMENT ACTIVITIES IN PROGRESS

**Table 1 – Procurement Activities in Progress**

The following table provides a breakdown of *Procurement Activities in Progress* for the period of this report – Q2 2019, where a solicitation has been advertised, but an award has not been issued yet.

Category	RFX No.	Description	Estimated Project Start Period
NONE			

### APPENDIX 3: UPCOMING & PLANNED PROCUREMENT ACTIVITIES

**Table 1 – Upcoming Procurement**

The following table provides a full breakdown for *Upcoming & Planned Procurement Activities* for the period of this report – Q2-2019.

Category	RFX No.	Description	Estimated Project Start Period
<b>BRT Property (10)</b>	TBD	Phase 3 of Subsurface Investigation at Properties adjacent to 151-161 Davis Drive	Q3-2019
	TBD	Revised RAP including Free Product Removal at Grand Genesis	Q3-2019
	TBD	Revised RAP including Free Product Removal at Toyota Richmond Hill	Q3-2019
	TBD	Revised RAP including Free Product Removal at Midas Richmond Hill	Q4- 2019
	TBD	Revised RAP including Free Product Removal at CT Gas Bar Richmond Hill	Q4-2019
	TBD	Revised RAP including Free Product Removal at CT Esso Bar, 4515 Hwy 7, Vaughan	Q4-2019
	TBD	H2WE Corridor-wide RA	Q4-2019
	TBD	H2VMC Corridor-wide RA	Q4-2019
	TBD	Y2.1/Y2.2 Corridor-wide RA	Q4-2019
	TBD	Groundwater Monitoring Program as follow-up to RA at 151-161 Davis Drive	Q4-2019
<b>BRT Construction (2)</b>	RFPQ-19-01-RT	Construction of Low Impact Development Stormwater Mgt. Facility at 17250 Yonge St.	Q3-2019
	TBD	Construction of Low Impact Development Stormwater Mgt. Facility at 17250 Yonge St.	Q4-2019
<b>Facilities &amp; Terminals (1)</b>	TBD	Analysis and market sounding for Warden site development	Q4-2019
<b>Communications (1)</b>	PT-19-011-RT	Public Tender for Vivastation Banners	Q3-2019
<b>Total (14)</b>			