

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 7, 2016

Item 4, Report No. 26, of the Committee of the Whole (Working Session), which was adopted without amendment by the Council of the City of Vaughan on June 7, 2016.

**4 YORK REGION RAPID TRANSIT UPDATE
CITY-WIDE**

The Committee of the Whole (Working Session) recommends:

- 1) That the recommendation contained in the following report of the Deputy City Manager Planning & Growth Management and the Director of Development Engineering and Infrastructure Planning, dated June 1, 2016, be approved;**
- 2) That in light of the Metrolinx recommendation to proceed with the preliminary design and engineering phase of the development of the Yonge Street subway extension from Finch Street to Richmond Hill Centre, and the identification of this project in the provincial budget in March of this year, that this Council strongly urges that the identified funding be allocated immediately by the provincial government in order to allow this phase of the project to proceed; and**
- 3) That Communication C17, presentation material titled “York Region Rapid Transit Corporation” dated June 1, 2016, be received.**

Recommendation

The Deputy City Manager Planning & Growth Management and the Director of Development Engineering and Infrastructure Planning, in consultation with Chief Corporate Initiatives & Intergovernmental Relations recommend:

1. THAT the presentation from York Region Rapid Transit Corporation staff on the status of rapid transit projects in Vaughan be received.

Contribution to Sustainability

Higher order transit infrastructure such as the Spadina and Yonge Subway Extension projects and the VivaNext Highway 7 Bus Rapid Transitway will support compact urban form and will offer an alternative mode of transportation to the single occupant vehicle.

Economic Impact

There is no economic impact resulting from the recommendation of this report.

Communication Plan

York Region Rapid Transit Corporation (YRRTC) has developed a comprehensive communication program for the Highway 7 Bus Rapid Transitway project, which will be overviewed in the presentation. Staff in Economic Development and Culture and the VMC Project Management Team continue to support communication efforts from YRRTC.

Purpose

The purpose of this report and associated presentation from YRRTC staff is to provide Council with the status of the rapid transit projects in Vaughan together with the actions being taken by the City and Region to facilitate delivery of transit projects in Vaughan.

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 7, 2016

Item 4, CW(WS) Report No. 26 – Page 2

Background – Analysis and Options

Since the last rapid transit update in November 2015, significant progress has been made on the rapid transit projects in the City. The following is a brief update on the YRRTC projects:

Toronto-York Spadina Subway Extension is more than 80 per cent complete

The construction of the Toronto-York Spadina Subway Extension (TYSSE) is now more than 80 per cent complete. The above grade structures for the three subway stations in Vaughan are taking shape and the overall project completion date remains on track.

VivaNext Highway 7 Bus Rapid Transitway – Phase 1 (H2-VMC) commissioning in 2016

Construction of the first phase of the VivaNext Highway 7 Bus Rapid Transitway east of Jane Street continues with permanent features such as the Rapidway, trees, new light standards, bike lanes and sidewalks. This work includes the final treatments/facades for the Viva stations. The completion and commissioning is expected by December 2016. Construction activity for the short section west of Jane Street is also well underway and is being staged with the opening of the TYSSE.

VivaNext Highway 7 Bus Rapid Transitway - Phase 2 (H2) Construction activities are underway

This phase of the project includes the extension of the Rapidway on Highway 7 from Edgeley to Helen Street and from the intersection of Centre Street and Highway 7 to Yonge Street along the existing Viva route on Centre and Bathurst Streets. Construction activities for the second phase of the VivaNext Highway 7 Bus Rapidway have commenced with the utility locations and water main upgrades at Bathurst Street. Phase 2 will also include the reconfiguration of Highway 400/Highway 7 northbound off ramps to accommodate a new intersection with Applewood Crescent into the VMC. Phase 2 is expected to be open for service in 2020.

VMC Bus Terminal is in the design phase

The VMC bus terminal is currently in the design phase. The objective of YRRTC is to have the bus terminal partially operational when the subway begins, with full completion a year later. Staff are currently working with YRRTC, TYSSE and SmartReit to coordinate and schedule the many components associated with the reconstruction of Millway Avenue, which is also to be completed in late 2017.

Regional Express Rail [RER] will improve service on the Barrie GO Line

Metrolinx has committed to invest more than \$1 billion in GO Rail infrastructure across the Region with the goal of transforming the service from a rush hour commuter service to a two-way, all-day regional transportation service over the next 10 years. Vaughan will benefit from this initiative through improved service on the Barrie GO Line.

Staff continues to work closely with Metrolinx and York Region on initiatives related to RER including:

- Protecting and planning for a potential urban GO Station in the vicinity of Kirby Road and Keele Street as part of the New Communities Secondary Plan for Block 27;
- Advancing the Mobility Hub Study for the Concord GO Centre Secondary Plan in 2016;

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 7, 2016

Item 4, CW(WS) Report No. 26 – Page 3

- Facilitating additional parking opportunities at the existing Maple and Rutherford Go Stations. This includes close coordination with the processing of development applications adjacent to the abutting sites.
- Addressing various information and property requests related to the Metrolinx Network Electrification Environmental Assessment currently underway.

Yonge Subway Extension is being advanced

The proposed Yonge subway extension proposed extend approximately 6.8 kilometers north from Finch Station to Highway 7. This critical rapid transit link will include up to six stations, underground train storage, two major bus terminals and Park-and-Ride for up to 2,000 cars. A funding commitment has been made to advance the Yonge Subway project to the 15 per cent preliminary design stage. Vaughan staff are moving forward with a modified secondary plan for the Yonge and Steeles area that reflects the most recent subway design and station locations. This has been identified as a priority for the City and Council previously passed a number of resolutions that support the dedication of funding to advance the design of the subway extension. City staff and elected officials are collaborating with YRRTC and Senior Leadership of Markham and Richmond Hill to raise awareness of the importance of funding 30% design initiative to Provincial and Federal decision makers.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

The matters referred to in this report support Term of Council's priority of:

- Continue to develop transit, cycling and pedestrian options to get around the City
- Attract investment and create jobs
- Continue to cultivate an environmentally sustainable city
- Facilitate the development of the VMC

Regional Implications

York Region is responsible for the operation of public conventional and specialized transit services throughout York Region.

Conclusion

The presentation from YRRTC staff will provide an update on the status of the key rapid transit project in Vaughan. These transit infrastructure projects will provide a spine network that support the City's growth management strategy and City building.

Attachment

1. Rapid Transit Projects in Vaughan

Report prepared by:

Jennifer Cappola-Logullo, Project Manager, VMC, Ext.8433
Mike Frieri, Manager, Engineering Planning & Studies, Ext. 8729

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

York Region Rapid Transit Corporation



City of Vaughan
Committee of the Whole
June 1, 2016

C 17
COMMUNICATION
CW (WORKING SESSION)
June 1, 2016
ITEM 4

VIVANEXT
be moved

C17 4

Agenda

Future rapid transit projects

- > Yonge North Subway Extension [YNSE]
- > Regional Express Rail [RER]

Current BRT projects in Vaughan

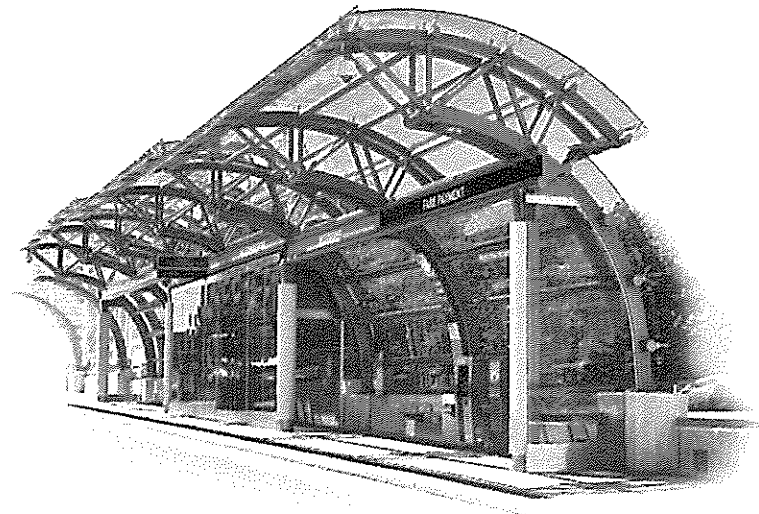
- > Map of Phase 1 and Phase 2
- > Phase 1 >> East of Jane Street
- > Phase 1 >> West of Jane Street
- > Phase 2 >> H2 East and H2 West

Facilities and terminals

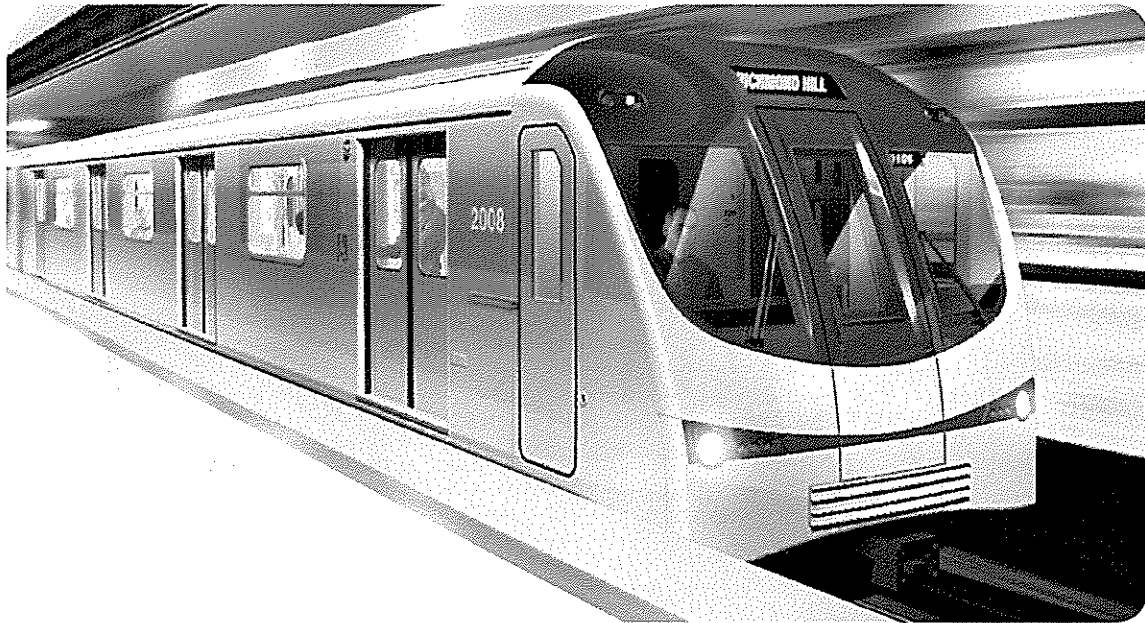
- > BRT station >> VMC-Spadina Subway Station
- > Bus terminal >> SmartREIT Terminal-VMC
- > Subway >> Toronto-York Spadina Subway Extension

Staying informed >> vivaNext communications

Business Support Program



Future rapid transit projects



Yonge North Subway
Extension [YNSE]

Regional Express Rail
[RER]



Future rapid transit projects

YNSE >> The time to extend the Yonge subway is now

Project description:

- > 7.4 km extension from Finch Terminal to Richmond Hill Centre
- > 5 stations
- > 2 transit terminals
- > 2,000 parking spaces

Key benefits:

- ✓ Services 165,000 riders/day
- ✓ 2,500 fewer bus trips/day down Yonge Street
- ✓ Reduces 7,000 tonnes of greenhouse gases/year
- ✓ Creates 21,800 person-years of employment
- ✓ Fuels approximately 48,000 new residents and 31,000 jobs in the Richmond Hill/Langstaff Urban Growth Centre anchor hub
- ✓ Shorter commute times



Future rapid transit projects



YNSE >> update

- > Last June Metrolinx recommended the YNSE project proceed to 15% preliminary design and engineering following the results and analysis of the Yonge Relief Network Study.
- > Currently, phase one of Federal infrastructure funding is being announced (funding to support transit improvements).
- > In preparation for Phase Two of funding (dollars for new projects), YRRTC continues to work with York Region to advocate for capital funding of \$4.0 billion (in 2015 dollars) estimated for the construction of the YNSE, establish working groups and align the governance models needed to begin the 15% preliminary design and engineering.



Future rapid transit projects

RER >> update

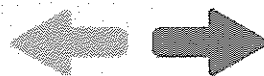
- > YRRTC, York Region and Metrolinx continue to collaborate on many components of the Province's RER program to ensure it is fully integrated within the Region's transit initiatives, and network connectivity and use policies.
- > Some of these components include:
 - participating in technical advisory meetings
 - new stations analysis
 - rail grade separations
 - parking capacity/first-mile-last-mile
 - electrification

GO RER will reduce travel times and give people more ways to get where they want to go with:

Trains up to every 15 minutes



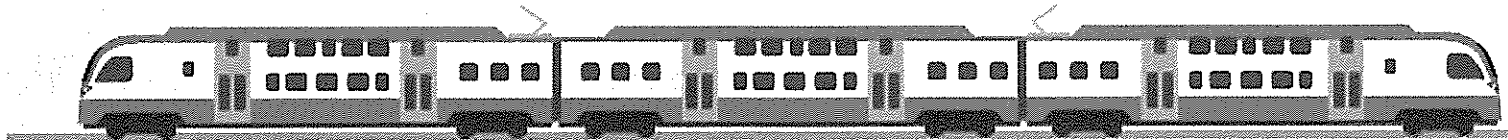
Service in both directions



More all-day service



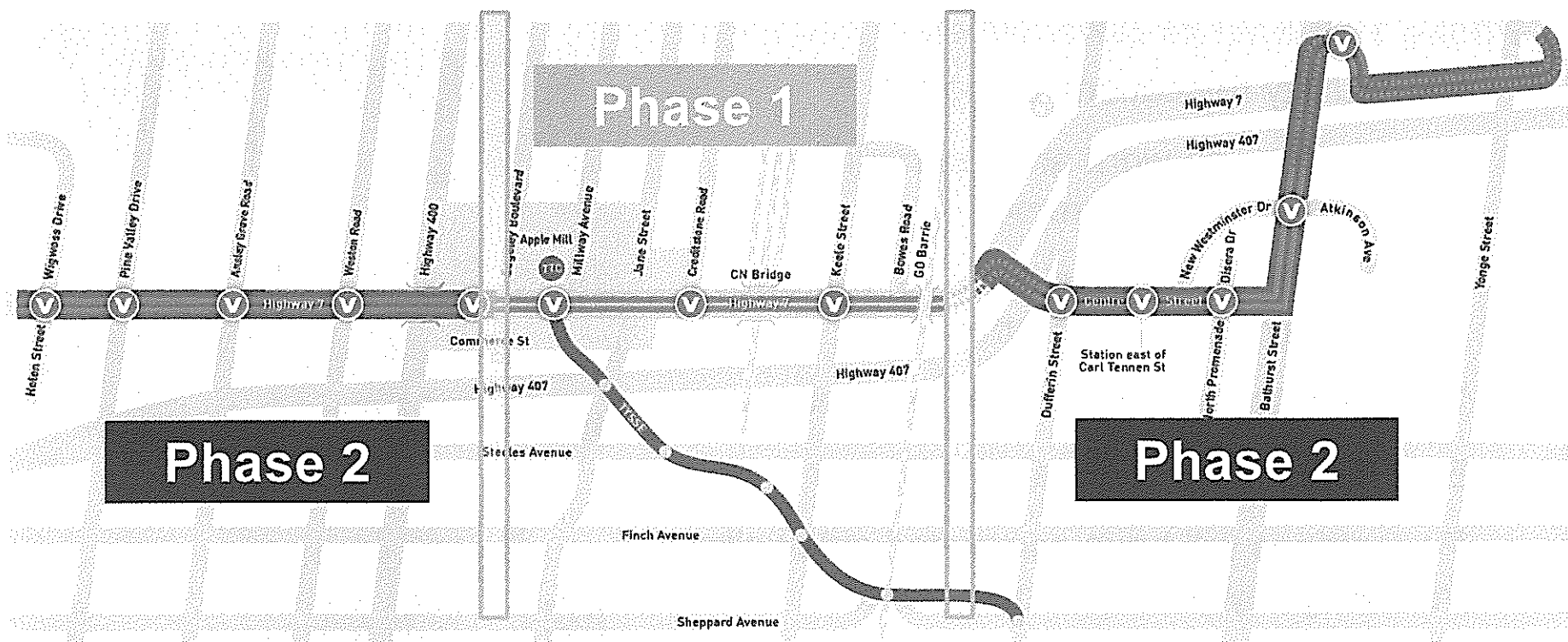
Faster electric trains



Current BRT projects in Vaughan



Map >> Phase 1 and Phase 2



Legend

- | | | |
|--|--------------------------|--|
| Phase 1 rapidway construction [2012–2016/2017] | Partial rapidway | Toronto-York Spadina Subway Extension [2011–2017] |
| Phase 2 rapidway construction [2016–2019] | Transit in mixed traffic | VMC development area designated by City of Vaughan |
| Full dedicated rapidway | Vivastation | |

Current BRT projects in Vaughan

Phase 1 >> East of Jane Street

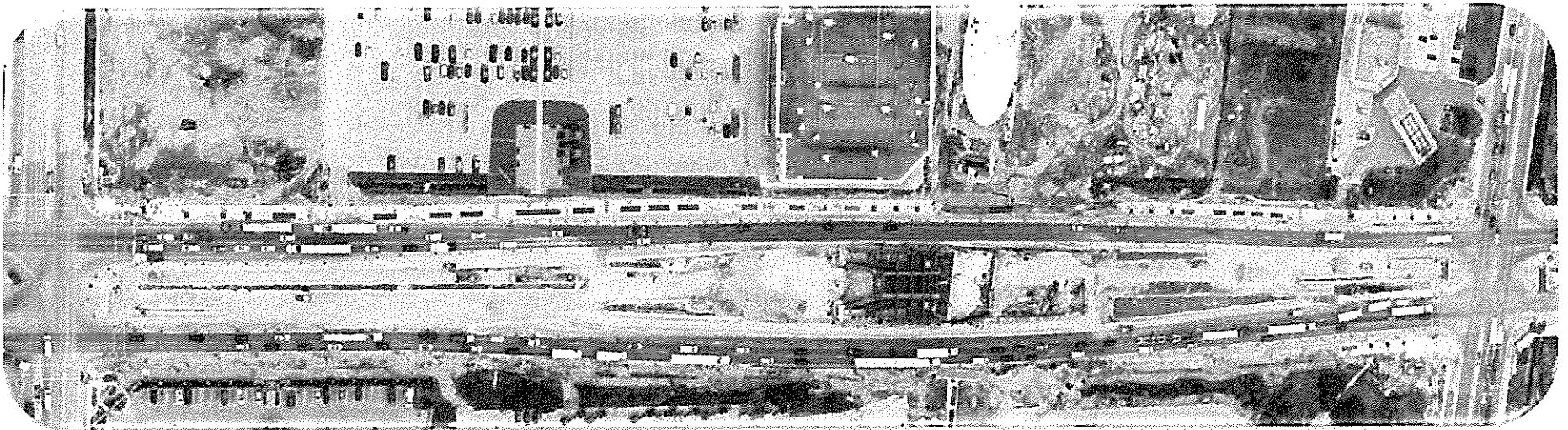
- > Major utility relocations complete
- > Top coat paving work and red rapidway paving to start this summer
- > CN MacMillan Bridge sidewalks, rapidway and widening completed this year
- > Tree planting and other greenery underway
- > Bike lanes to be completed this year
- > Pedestrians will have completed sidewalks from Edgeley Blvd. to Bowes Road
- > Final touches to vivastations ongoing
- > Signal activations ongoing
- > **Rapidway complete: Q4 2016**



Current BRT projects in Vaughan

Phase 1 >> West of Jane Street

- > Paver stones, and boulevard and sidewalk work to be completed by Q3 2016
- > Permanent signal activation is complete for intersections of Highway 7 & Edgeley Blvd./Interchange Way and Highway 7 & Jane Street
- > Permanent street light installation is ongoing

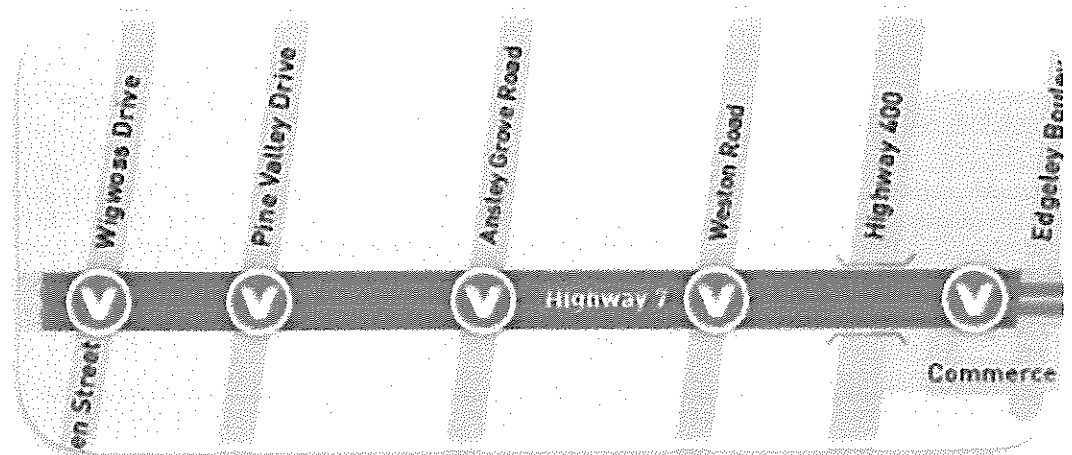
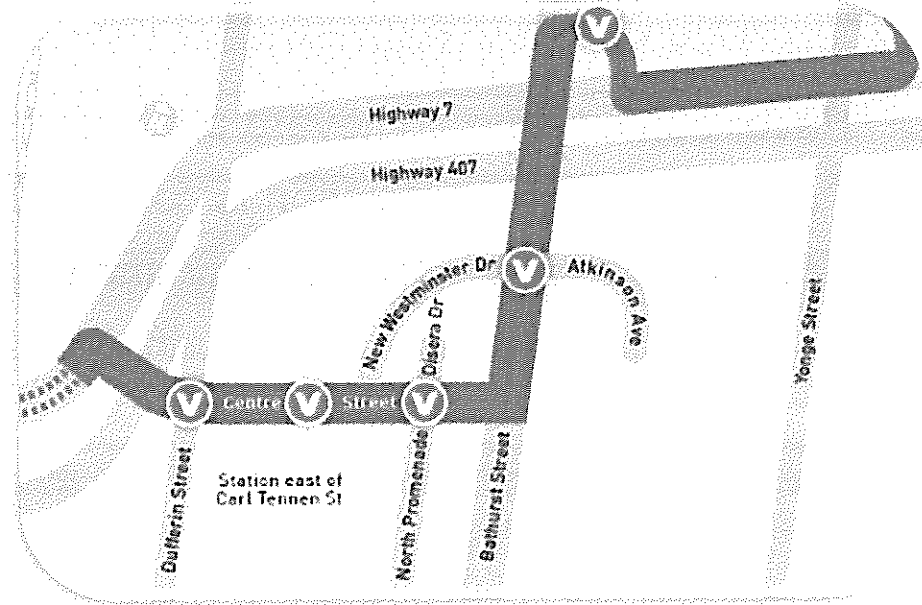


April 28, 2016 photo

Current BRT projects in Vaughan

Phase 2 >> H2 East and H2 West

- > H2 East and West project will construct 12 km of rapidway
- > **H2 East station locations:**
 1. Hwy 7-Bathurst [on connector rd.]
 2. Bathurst at Atkinson Ave.
 3. Disera-Promenade
 4. Centre east of Carl Tennen St.
 5. Dufferin St.
- > **H2 West station locations:**
 6. Wigwoss-Helen
 7. Pine Valley Dr.
 8. Ainsley Grove Rd.
 9. Weston Rd.
 10. Commerce St.

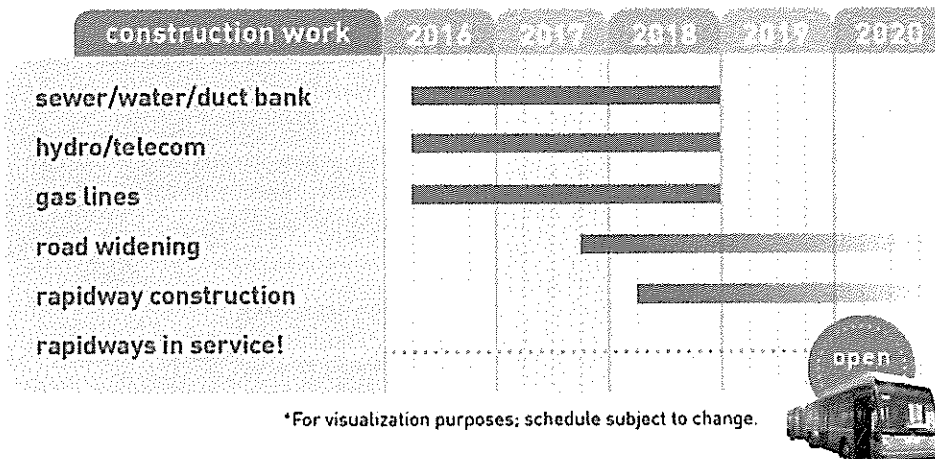


Current BRT projects in Vaughan

Phase 2 >> H2 East and H2 West

- > Bathurst Street water main replacement begins shortly, for completion this year, with Centre Street beginning this fall
- > Bathurst & Centre Street tree removals and transplanting to three local parks underway
- > Pre-construction surveying, utility relocation design and geotechnical investigations ongoing

>> phase 2 construction timeline*



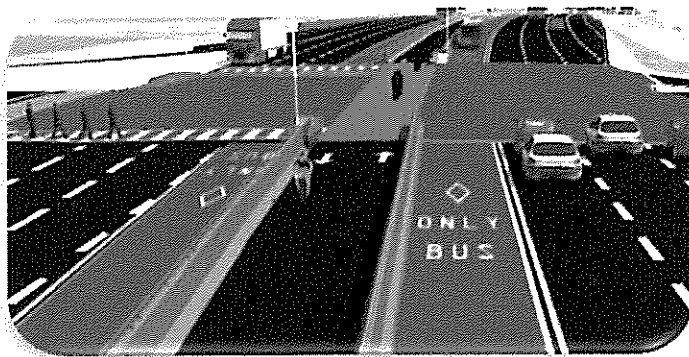
Current BRT projects in Vaughan

Phase 2 >> H2 East & H2 West bike lanes update

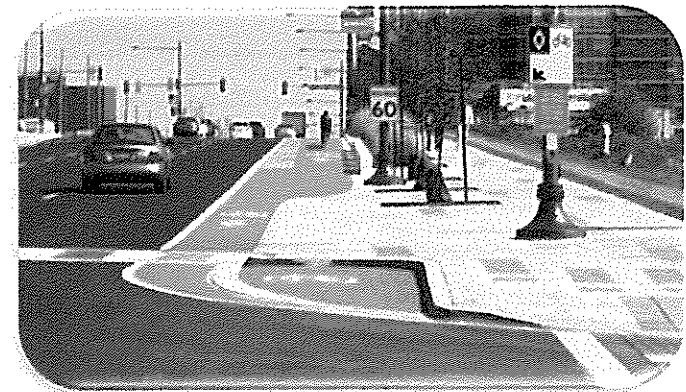
- > Corridor will have raised bike lanes with bike boxes at intersection corners
- > Exceptions include:
 - Multi-use trail on Highway 7 between Bathurst Street and Yonge Street
 - Centre-lane multi-use trail across Highway 400 bridge



concept: raised bike lanes



concept: multi-use trail

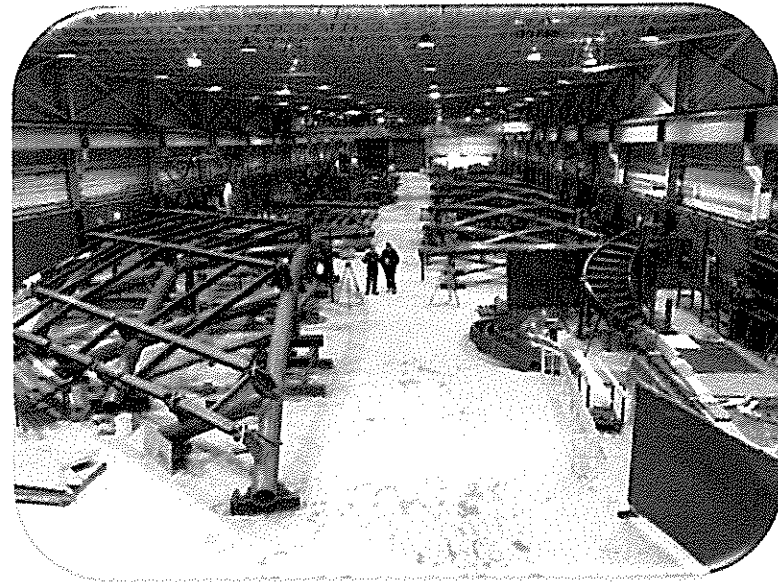
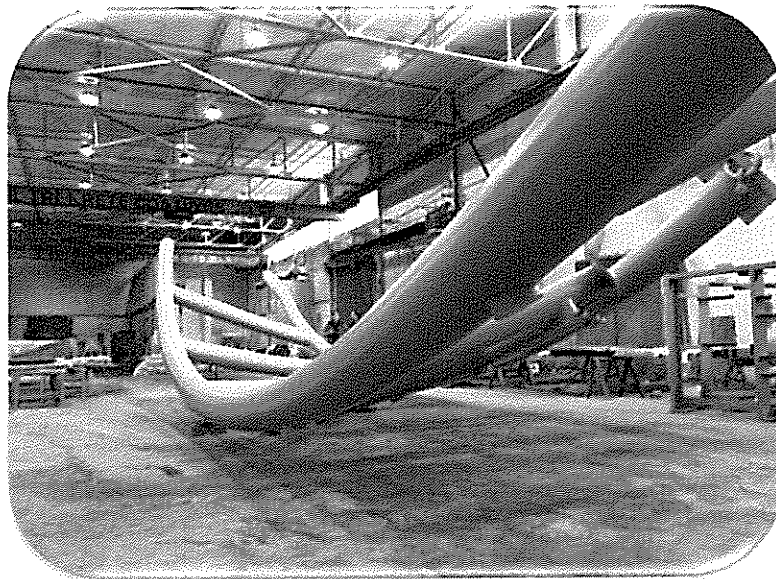
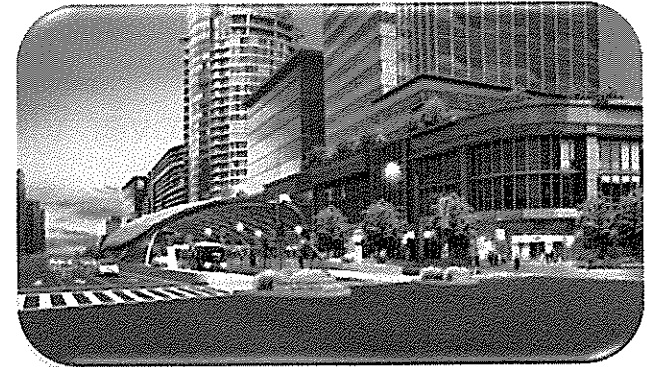


bike boxes at corners

Facilities and terminals

BRT station >> VMC-Spadina Subway Station

- > Fabrication of BRT station structure continues
- > Handover from TTC occurred May 19, 2016
- > BRT station scheduled to open: Spring 2018
- > Developing interim service plan, including pedestrian access points

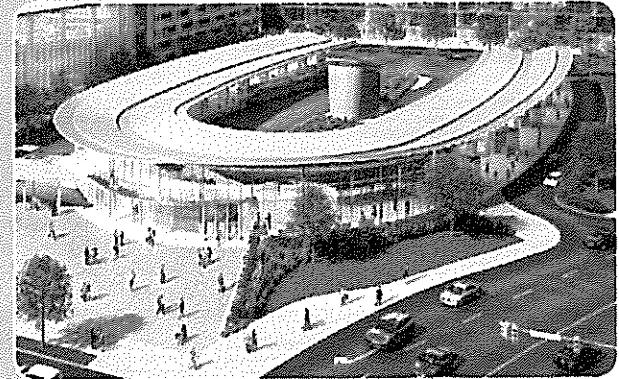


May 12, 2016 photos

Facilities and terminals

Bus terminal >> SmartREIT Terminal-VMC

- > 9-bay bus terminal over VMC subway station
- > Design work completion: targeting Q2 2016
- > Site plan approval targeting: Q2 2016
- > Procurement for construction contract underway
- > Construction start: early Q4 2016



VMC Bus Terminal



Smart Centres



Smart Centres Interior

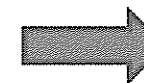
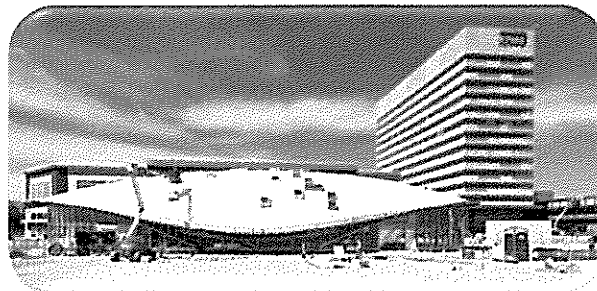
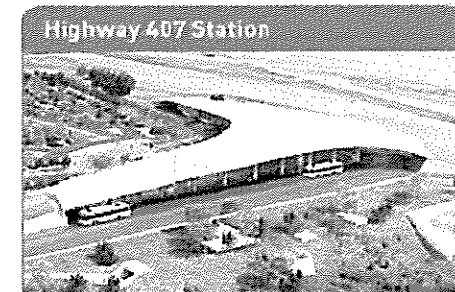
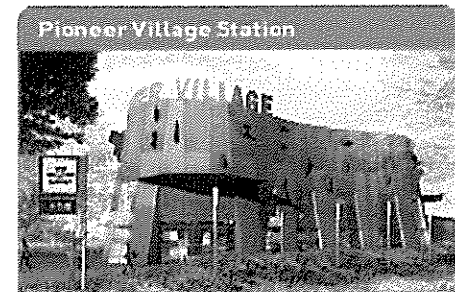
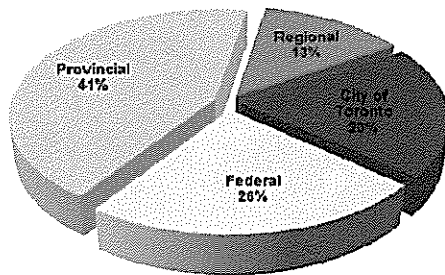
Facilities and terminals

Toronto-York Spadina Subway Extension [TYSSE]



**Spadina Subway
Extension 8.6 km**

**Funding Sources – Total Project Cost
of \$2.6 Billion**

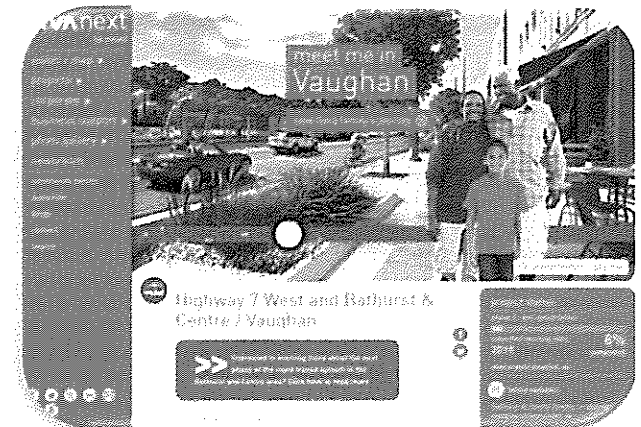
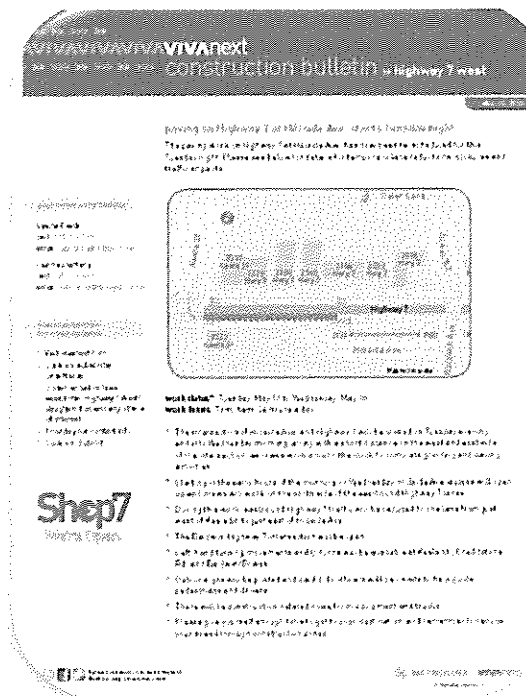


Staying informed >> vivaNext communications

- > Community Liaisons are the key point of contact throughout project
- > Regular construction and updates are delivered by email and in person
- > Public information office: 7800 Jane Street [Jane & Highway 7],
Mondays 9am–noon and Wednesdays 1pm–5pm, or by appointment

> Ways to stay informed:


- face-to-face communication
- brochures and newsletters
- public engagement
- community events
- social media



Business Support Program

Business support is a key communications component

- > The Business Support Program in Vaughan was developed in collaboration with Vaughan Chamber of Commerce and Vaughan Business Enterprise Centre.
- > Businesses within the construction zone are offered a variety of tools & resources, complimentary Chamber memberships and profiles on the vivaNext website.
- > The Shop7 business support campaign features: radio, billboards, print, bus-backs and social media.





stop, shop + dine.

Thank you for seeing through the mess of construction and continuing to support our local shops and businesses along Highway 7. If you haven't visited us yet, come and check out what we have in store.

We're open for business and value your support. Businesses offer a wide variety of products and services and staff are ready to help find just what you need. After all, we're your neighbours too - Shop 7!

Shop
We're Open.

  **METROLINX | VIVANext**
A Metro Council Brand

YORK REGION RAPID TRANSIT UPDATE
CITY-WIDE

Recommendation

The Deputy City Manager Planning & Growth Management and the Director of Development Engineering and Infrastructure Planning, in consultation with Chief Corporate Initiatives & Intergovernmental Relations recommend:

1. THAT the presentation from York Region Rapid Transit Corporation staff on the status of rapid transit projects in Vaughan be received.

Contribution to Sustainability

Higher order transit infrastructure such as the Spadina and Yonge Subway Extension projects and the VivaNext Highway 7 Bus Rapid Transitway will support compact urban form and will offer an alternative mode of transportation to the single occupant vehicle.

Economic Impact

There is no economic impact resulting from the recommendation of this report.

Communication Plan

York Region Rapid Transit Corporation (YRRTC) has developed a comprehensive communication program for the Highway 7 Bus Rapid Transitway project, which will be overviewed in the presentation. Staff in Economic Development and Culture and the VMC Project Management Team continue to support communication efforts from YRRTC.

Purpose

The purpose of this report and associated presentation from YRRTC staff is to provide Council with the status of the rapid transit projects in Vaughan together with the actions being taken by the City and Region to facilitate delivery of transit projects in Vaughan.

Background – Analysis and Options

Since the last rapid transit update in November 2015, significant progress has been made on the rapid transit projects in the City. The following is a brief update on the YRRTC projects:

Toronto-York Spadina Subway Extension is more than 80 per cent complete

The construction of the Toronto-York Spadina Subway Extension (TYSSE) is now more than 80 per cent complete. The above grade structures for the three subway stations in Vaughan are taking shape and the overall project completion date remains on track.

VivaNext Highway 7 Bus Rapid Transitway – Phase 1 (H2-VMC) commissioning in 2016

Construction of the first phase of the VivaNext Highway 7 Bus Rapid Transitway east of Jane Street continues with permanent features such as the Rapidway, trees, new light standards, bike lanes and sidewalks. This work includes the final treatments/facades for the Viva stations. The completion and commissioning is expected by December 2016. Construction activity for the short section west of Jane Street is also well underway and is being staged with the opening of the TYSSE.

VivaNext Highway 7 Bus Rapid Transitway - Phase 2 (H2) Construction activities are underway

This phase of the project includes the extension of the Rapidway on Highway 7 from Edgeley to Helen Street and from the intersection of Centre Street and Highway 7 to Yonge Street along the existing Viva route on Centre and Bathurst Streets. Construction activities for the second phase of the VivaNext Highway 7 Bus Rapidway have commenced with the utility locations and water main upgrades at Bathurst Street. Phase 2 will also include the reconfiguration of Highway 400/Highway 7 northbound off ramps to accommodate a new intersection with Applewood Crescent into the VMC. Phase 2 is expected to be open for service in 2020.

VMC Bus Terminal is in the design phase

The VMC bus terminal is currently in the design phase. The objective of YRRTC is to have the bus terminal partially operational when the subway begins, with full completion a year later. Staff are currently working with YRRTC, TYSSE and SmartReit to coordinate and schedule the many components associated with the reconstruction of Millway Avenue, which is also to be completed in late 2017.

Regional Express Rail [RER] will improve service on the Barrie GO Line

Metrolinx has committed to invest more than \$1 billion in GO Rail infrastructure across the Region with the goal of transforming the service from a rush hour commuter service to a two-way, all-day regional transportation service over the next 10 years. Vaughan will benefit from this initiative through improved service on the Barrie GO Line.

Staff continues to work closely with Metrolinx and York Region on initiatives related to RER including:

- Protecting and planning for a potential urban GO Station in the vicinity of Kirby Road and Keele Street as part of the New Communities Secondary Plan for Block 27;
- Advancing the Mobility Hub Study for the Concord GO Centre Secondary Plan in 2016;
- Facilitating additional parking opportunities at the existing Maple and Rutherford Go Stations. This includes close coordination with the processing of development applications adjacent to the abutting sites.
- Addressing various information and property requests related to the Metrolinx Network Electrification Environmental Assessment currently underway.

Yonge Subway Extension is being advanced

The proposed Yonge subway extension proposed extend approximately 6.8 kilometers north from Finch Station to Highway 7. This critical rapid transit link will include up to six stations, underground train storage, two major bus terminals and Park-and-Ride for up to 2,000 cars. A funding commitment has been made to advance the Yonge Subway project to the 15 per cent preliminary design stage. Vaughan staff are moving forward with a modified secondary plan for the Yonge and Steeles area that reflects the most recent subway design and station locations. This has been identified as a priority for the City and Council previously passed a number of resolutions that support the dedication of funding to advance the design of the subway extension. City staff and elected officials are collaborating with YRRTC and Senior Leadership of Markham and Richmond Hill to raise awareness of the importance of funding 30% design initiative to Provincial and Federal decision makers.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

The matters referred to in this report support Term of Council's priority of:

- Continue to develop transit, cycling and pedestrian options to get around the City
- Attract investment and create jobs
- Continue to cultivate an environmentally sustainable city
- Facilitate the development of the VMC

Regional Implications

York Region is responsible for the operation of public conventional and specialized transit services throughout York Region.

Conclusion

The presentation from YRRTC staff will provide an update on the status of the key rapid transit project in Vaughan. These transit infrastructure projects will provide a spine network that support the City's growth management strategy and City building.

Attachment

1. Rapid Transit Projects in Vaughan

Report prepared by:

Jennifer Cappola-Logullo, Project Manager, VMC, Ext.8433
Mike Frieri, Manager, Engineering Planning & Studies, Ext. 8729

Respectfully submitted,

JOHN MACKENZIE
Deputy City Manager
Planning & Growth Management

ANDREW PEARCE
Director Development Engineering
& Infrastructure Planning

Attachment No. 1



RAPID TRANSIT PROJECTS IN VAUGHAN