

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JUNE 23, 2015

Item 1, Report No. 3, of the Priorities and Key Initiatives Committee, which was adopted without amendment by the Council of the City of Vaughan on June 23, 2015.

**1 HIGHWAY 427 EXTENSION UPDATE
MINISTRY OF TRANSPORTATION
WARDS 1 AND 2**

The Priorities and Key Initiatives Committee recommends:

- 1) That the recommendation contained in the following report of the Commissioner of Public Works and the Director of Development Engineering and Infrastructure Planning Services, dated June 1, 2015, be approved;**
- 2) That the deputation of Mr. Nick Pinto, West Woodbridge Homeowners Association, Mapes Avenue, Woodbridge, be received; and**
- 3) That Communication C1, presentation material titled “Highway 427 Expansion”, be received.**

Recommendation

The Commissioner of Public Works and the Director of Development Engineering and Infrastructure Planning Services recommend:

1. THAT the presentation from the Ministry of Transportation staff on the status of the Highway 427 Extension project be received.

Contribution To Sustainability

The Highway 427 Extension from Highway 7 to Major Mackenzie Drive contributes to sustainability by addressing existing and short-term inter-regional transportation problems related to the current Highway 427 terminus, and by enhancing goods movement to and from the CPR Vaughan Intermodal facility. In addition, the extension of Hwy 427 will facilitate the planned growth in the City, in particular the West Vaughan Employment area.

Economic Impact

Adoption of this report has no adverse economic impact.

Communication Plan

The Ministry of Transportation (MTO) is developing a comprehensive communication program for the Highway 427 Extension project, which will be overviewed in the presentation.

Purpose

The purpose of this report and associated presentation from the Ministry of Transportation staff is to provide Council with the Highway 427 Extension project status update.

Background And Current Status

The Environmental Assessment (EA) for the extension of Highway 427 from its current terminus at Highway 7 to Major Mackenzie Drive West was approved in October 2010. This EA recommended a 6.6km extension and the construction of three new interchanges at Langstaff Road, Rutherford Road and Major Mackenzie Drive West as well as protection for a dedicated

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transitway along the west side of the extension and three transitway stations. The Highway 427 Extension is shown on Attachment No. 1. The transitway component and its support facilities of the future highway were developed to a conceptual design level and will be subject to future Class EA Studies prior to implementation.

In May 2013, the Province of Ontario made a public commitment to commence construction of the Highway 427 Extension by 2016/17. Infrastructure Ontario (IO) and MTO are proceeding to implement this commitment. MTO has begun to acquire the necessary property for the new highway corridor.

Since April 2014, Vaughan Development Engineering and Infrastructure Planning staff have been facilitating regular liaison meetings with the MTO, York Region and Toronto and Region Conservation Authority (TRCA) to coordinate the many design and construction related aspects of the Highway 427 Extension project together with other projects in the study area including:

- Property acquisition
- Huntington Road replacement link
- McGillivray Road realignment at Rutherford Road
- Huntington Road Class EA
- Major Mackenzie Drive reconstruction
- Area development coordination
- Project scheduling
- Construction management
- Communication plan for the Highway 427 Extension project.

The West Vaughan Employment Secondary Plan identifies a network of collector roads that are needed to support the planned employment growth, and to provide connectivity in the City's transportation system. This planned road network includes a proposed east-west collector road that extends from the existing intersection of Trade Valley Drive and Huntington Road through Block 59 to the intersection of Martin Grove Road and Regional Road 27. The preliminary alignment of this collector Road, referred to as Street "A", crosses two existing valley features (Rainbow Creek and Robinson Creek), a hydro corridor containing multiple high voltage lines, and the proposed Highway 427 extension as shown on Attachment No. 2. Given that Street "A" would cross the future Highway 427; this crossing must be coordinated with the design and construction of the Highway 427 Extension project. In our discussions with MTO staff they have advised that they could consider including the Street "A" crossing structure in the highway construction project if the City can secure all the necessary approvals, property and funding by early summer 2015. The City's is currently finalizing the EA for Street "A" and will be reporting findings to Council in June 2015.

In April 2015, MTO retained their Owner's Engineer (OE) to assist in the engineering activities prior to and during the bidding period for the detailed design and construction phases of the highway project. The MTO is planning to release a request for pre-qualification (RFQ) in summer 2015 and a subsequent request for the proposal (RFP) in autumn 2015 to retain a consortium to design, build, finance and operate the highway. Once the consortium is committed, detailed design will be undertaken and construction of the highway will commence in late 2016/early 2017 and end in 2020. A detailed construction schedule will be developed by the selected consortium.

The presentation from MTO staff will update Council on the status of the Highway 427 Extension project and expand on the following areas:

- Project Status / Schedule
- Pre-engineering Activities

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- Municipal/Agency Liaison
- Construction Coordination
- Next Steps

As a key strategic priority for the City of Vaughan, staff will continue to play an active role in facilitating the design and construction of the Highway 427 Extension project, and report to Council on a regular basis on the status of the project.

Through close collaboration, every effort will be made by the agencies to keep the impacts of construction to a minimum on the surrounding community and the West Vaughan Employment area while ensuring the public and workforce safety during the construction.

Relationship to Vaughan Vision 2020/Strategic Plan

This report is in keeping with the priorities previously established by Council to plan and manage growth, economic viability as well as supporting the transportation infrastructure needs of the City.

Regional Implications

York Region staff participates in the Highway 427 Extension project monthly liaison meetings. These regular meetings serve to assist in coordinating the reconstruction of Major Mackenzie Drive and to address other matters of Regional interest associated with the Highway 427 Extension project.

Conclusion

The presentation from MTO staff will provide an update to Council on the status of the Highway 427 Extension project from its current terminus point at Highway 7 to Major Mackenzie Drive.

As a key strategic priority for the City of Vaughan, staff will continue to play an active role in facilitating the design and construction phases of the Highway 427 Extension project, and report to Council on a regular basis on the status of the project.

Attachments

1. Ministry of Transportation Highway 427 Extension
2. Street "A" Location Map

Report prepared by:

Mani Shahrokni, Transportation Project Manager, Ext. 8163

(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.)

c. 1
Communication
PK1 June 1/15
Item: 1

HIGHWAY 427 EXPANSION

PRIORITIES AND KEY INITIATIVES COMMITTEE
CITY OF VAUGHAN

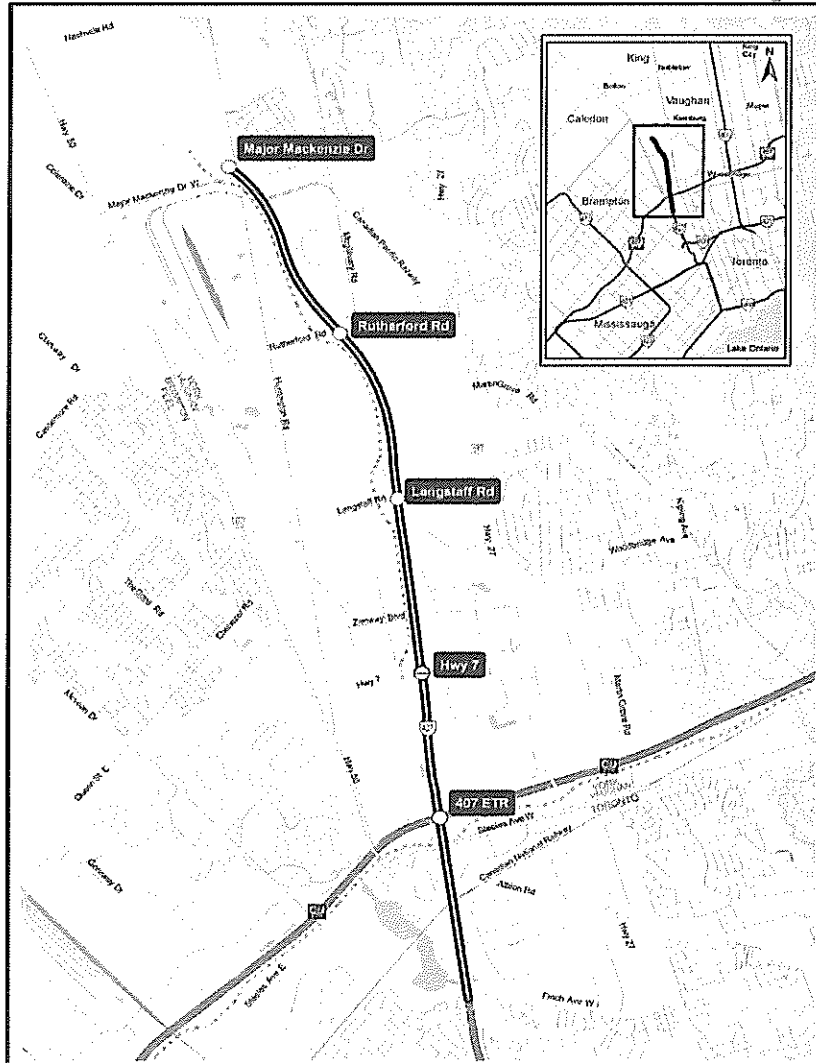
JUNE 1, 2015

Ministry of Transportation
Central Region - Major Projects Office

Purpose

1. Overview / Scope
2. Project Status / Schedule
3. Pre-engineering Activities
4. Municipal / Agency Liaison
5. Construction Coordination
6. Next Steps

Overview / Scope



Highway 427 Expansion includes:

Extension from Highway 7 to Major Mackenzie Drive (6.6 km):

- 3 interchanges at Langstaff Road, Rutherford Road, and Major Mackenzie Drive
- 6 lanes from Highway 7 to Rutherford Road
- 4 lanes from Rutherford Road to Major Mackenzie Drive
- Protection for a transitway & stations along west side of freeway.

Widening from 1.5 km south of Albion Road to Highway 7 (4.0 km):

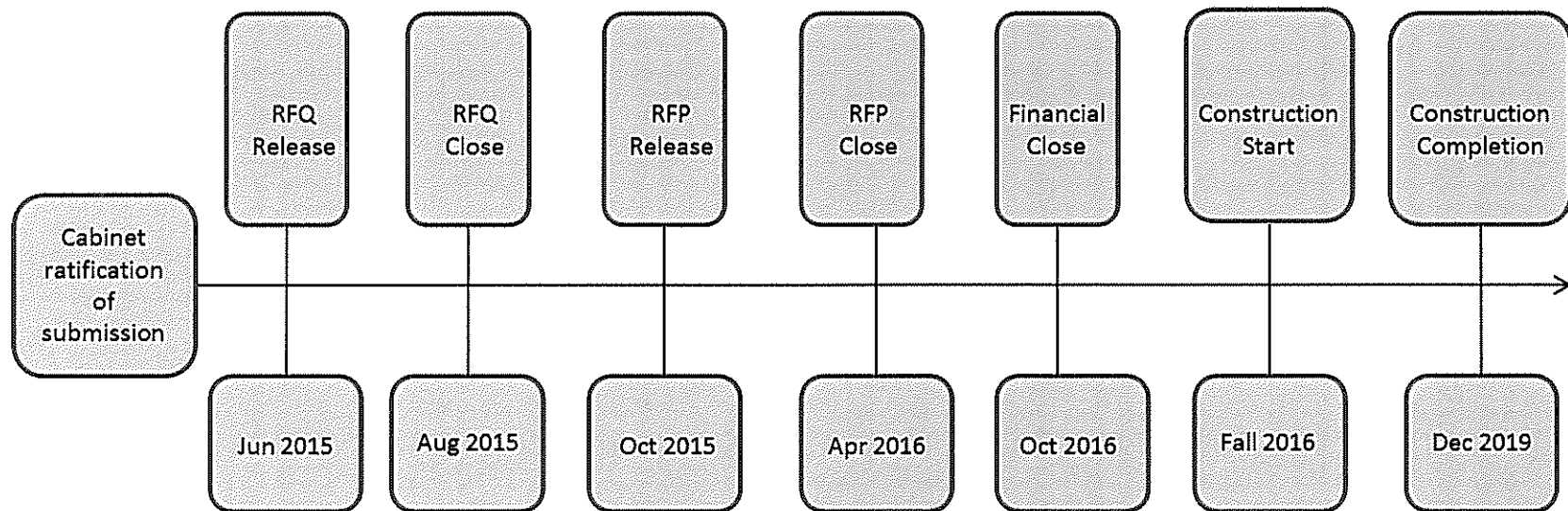
- Widening from 6 to 8 lanes from 1.5 km south of Albion Road to south of Steeles Avenue
- Widening from 4 to 8 lanes from south of Steeles Avenue to Highway 7
- Protection for median HOV lanes
- Widening and rehabilitation of existing bridges - where required - to accommodate the widened Highway 427 footprint
- The widening must be advanced in conjunction with the extension to avoid a major operational bottleneck.

Project Status / Schedule

- On May 16, 2013, Premier Kathleen Wynne announced the government's commitment to extend Highway 427 to Major Mackenzie Drive, connecting communities and supporting thousands of jobs throughout York Region.
- Infrastructure Ontario (IO) with input from MTO undertook a Value for Money Analysis (VFM) under an Alternative Financing and Procurement (AFP) delivery model.
- A Design-Build-Finance-Maintain (DBFM) model with a 30-year concession period is recommended for procurement.
- AFP is an innovative way of financing and delivering large public infrastructure projects. With AFP, the public sector sets the scope and purpose of the project, while the construction is financed and carried out by the private sector. This transfers project risks to the private sector and allows the government to access alternate sources of capital.
- MTO will establish the scope and purpose of the project and remains responsible for a number of activities, including the preliminary / reference design, property acquisition, applicable permits, and some utility relocations.

Project Status / Schedule

- Based on the current AFP procurement schedule and recent advice from an independent cost and construction schedule advisor, completion of the overall Highway 427 expansion project (extension and widening) can be achieved by late 2019.



Project Status / Schedule

- June 2015, IO will issue a request for qualifications (RFQ).
- This RFQ is to identify project teams that have the required design, construction and facilities management capability and experience, and the financial capacity to undertake a project of this size and complexity.
- Fall 2015, IO will release the request for proposal (RFP) to short-listed teams and invite them to submit proposals to design, build, finance and maintain this Highway 427 expansion project.
- Spring 2016, the selection of a preferred team is expected.
- For further information, refer to IO's website (www.infrastructureontario.ca)

Pre-Engineering Activities

Property Acquisition

- Currently proceeding with property acquisition of 88 parcels of land.
 - 50 properties are either privately or municipally owned
 - 30 properties were expropriated, of which 27 are in MTO possession and 3 have extended possession dates
 - 17 properties were acquired through purchase agreements
 - 2 properties (Huntington Road) have been deferred pending further discussions with Vaughan
 - 1 property (Canadian Pacific Rail) has been deferred due to pending refinements to design
 - 38 properties are administrative transfers or assumptions;

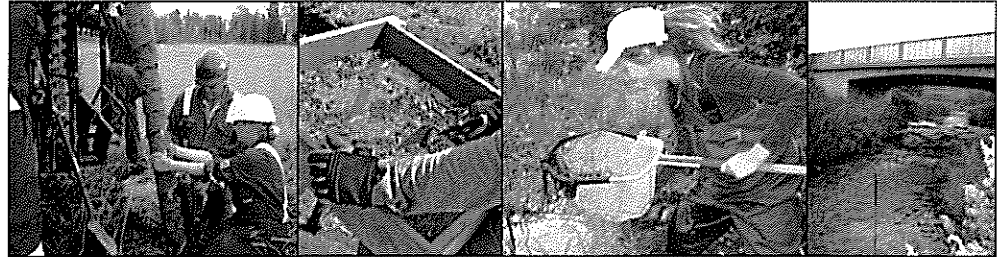
Hydro One Relocation

- 1 Hydro tower (230kV) removal/relocation & 2 new towers (230kV)
 - MTO is facilitating Hydro relocation work.
 - Hydro tower relocation/construction to be completed by Fall 2016.

Pre-Engineering Activities

Ongoing Fieldwork Activities

- Supplementary environmental investigations are continuing to fulfill environmental assessment commitments and legislative requirements.
- Ongoing investigations will continue through the design process.



On-going Fieldwork	
Archaeology	Stream monitoring
Built heritage assessments	Utility relocations
Test pitting and borehole drilling	Well water surveys
Natural sciences (vegetation, fisheries and wildlife)	Waste and contamination
Species at Risk surveys	Air quality, noise and vibration

Municipal / Agency Liaison

- MTO, City of Vaughan, Region of York and TRCA have been meeting on a regular basis since late 2014.
- Further discussions are required on:
 - TransCanada Pipeline;
 - McGillivray Road;
 - Huntington Road EA;
 - Block 59 Street "A" EA;
 - York Region projects;
 - Construction Staging; and
 - Other local road improvements
- A communication plan will be developed and implemented by the selected consortium.

Construction Coordination

Highway 427 from South of Hwy 409 to Steeles Avenue

- Contract 2014-2016 was awarded Summer 2014 and has an anticipated completion date of 2018.

Highway 427 / 407 ETR Structures

- MTO is partnering with 407 ETR for the expansion of the Highway 427 structures within the 427 / 407 ETR Interchange.
- Detail Design completion by late 2015.
- Construction completion by November 30, 2017.

Major Mackenzie Drive

- Region of York is undertaking detail design to widen Major MacKenzie to 6 lanes from Islington Avenue to east of the future Highway 427 extension interchange.
- Construction is to be tendered in Summer 2016
- Construction on going in 2017 and 2018.

Construction Coordination

TransCanada Pipeline (TCPL)

- Proposed new 1 m diameter high pressure natural gas pipeline, as part of their King's North Connection Project, from 407ETR northerly to Major Mackenzie Drive (13 km).
- MTO has participated in the Hearing Order as an Intervenor.
- Awaiting for National Energy Board (NEB) approval which is anticipated no later than December 1, 2015.
- MTO continues to negotiate with TCPL to find mutually agreeable solutions that will protect the travelling public and meet TCPL's needs, wherever possible.

Next Steps

- Undertake pre-engineering field work in 2015.
- Monitor TCPL's application process and NEB decision timeline.
- Continue to liaise with Region of York and City of Vaughan regarding project scope and status of procurement.
- Continue consultation with all agencies, as required, including: MOECC, MNRF, DFO and TRCA.

Questions



c <u>2</u>
Communication
PKI <u>June 1/15</u>
Item: <u>2.</u>

Green Directions Vaughan

Implementation Update

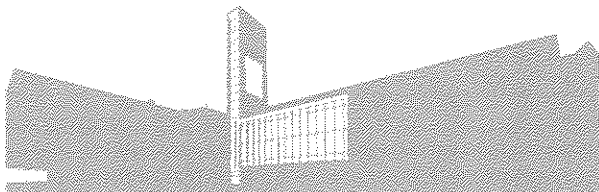
Priorities and Key Initiatives Committee

June 1, 2015

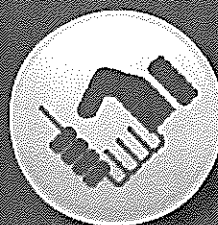
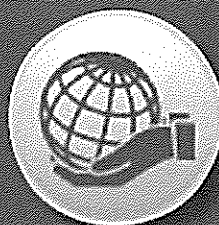
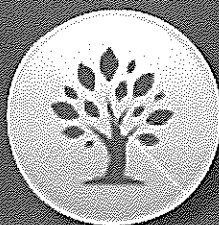
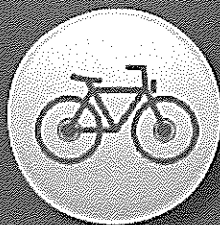


Presentation Outline

- Background
- Implementation Update
 - Progress of implementing actions
 - Indicators trend analysis
- Summary and Next Steps



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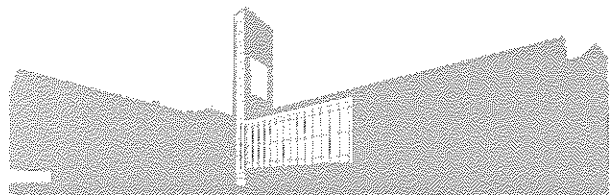


green directions

VAUGHAN

CITY OF VAUGHAN

Community Sustainability and
Environmental Master Plan



Background

What We use



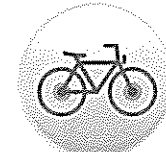
Goal 1: To significantly reduce our use of natural resources and the amount of waste we generate

How & Where We Grow



Goal 2: To ensure sustainable development and redevelopment

How We get around



Goal 3: To ensure that Vaughan is a city that is easy to get around with a low environmental impact

How We live



Goal 4: To create a vibrant community where citizens, business and visitors thrive

How We lead

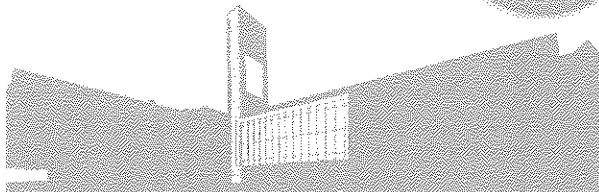


Goal 5: To be leaders in advocacy and education on sustainability issues

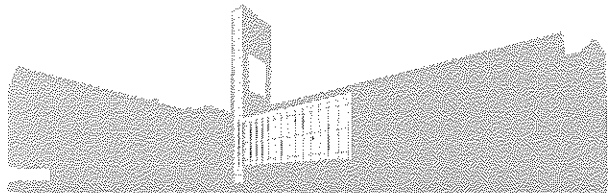
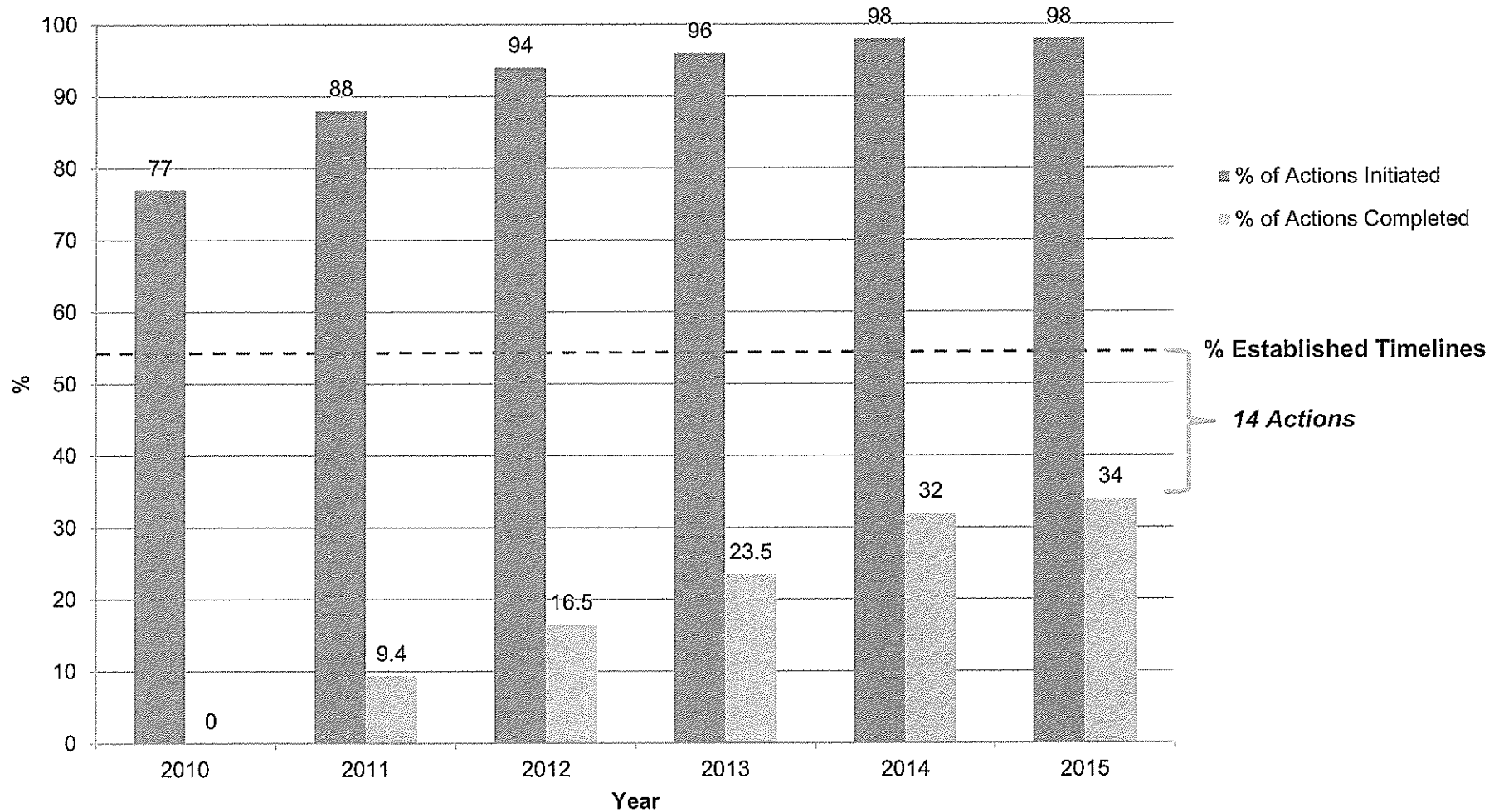
How We operate



Goal 6: To ensure a supportive system for the implementation of the Community Sustainability and Environmental Master Plan

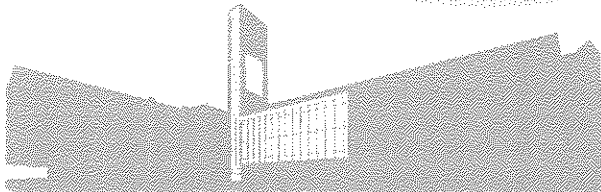
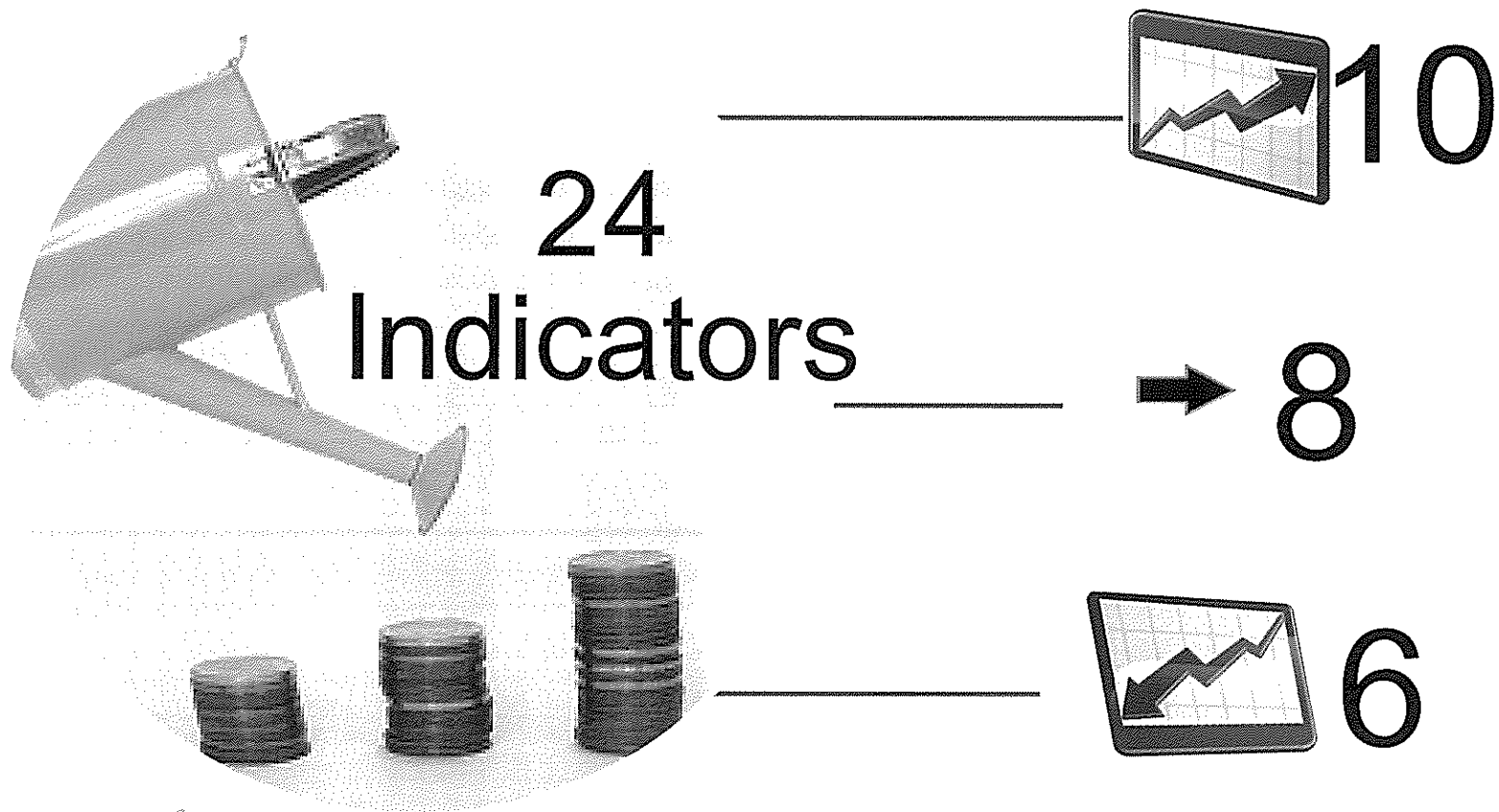


Implementation Progress

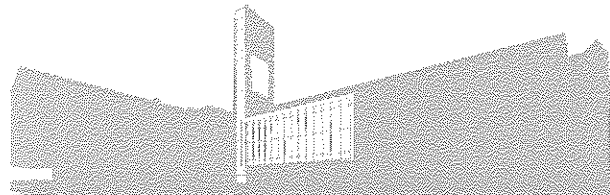
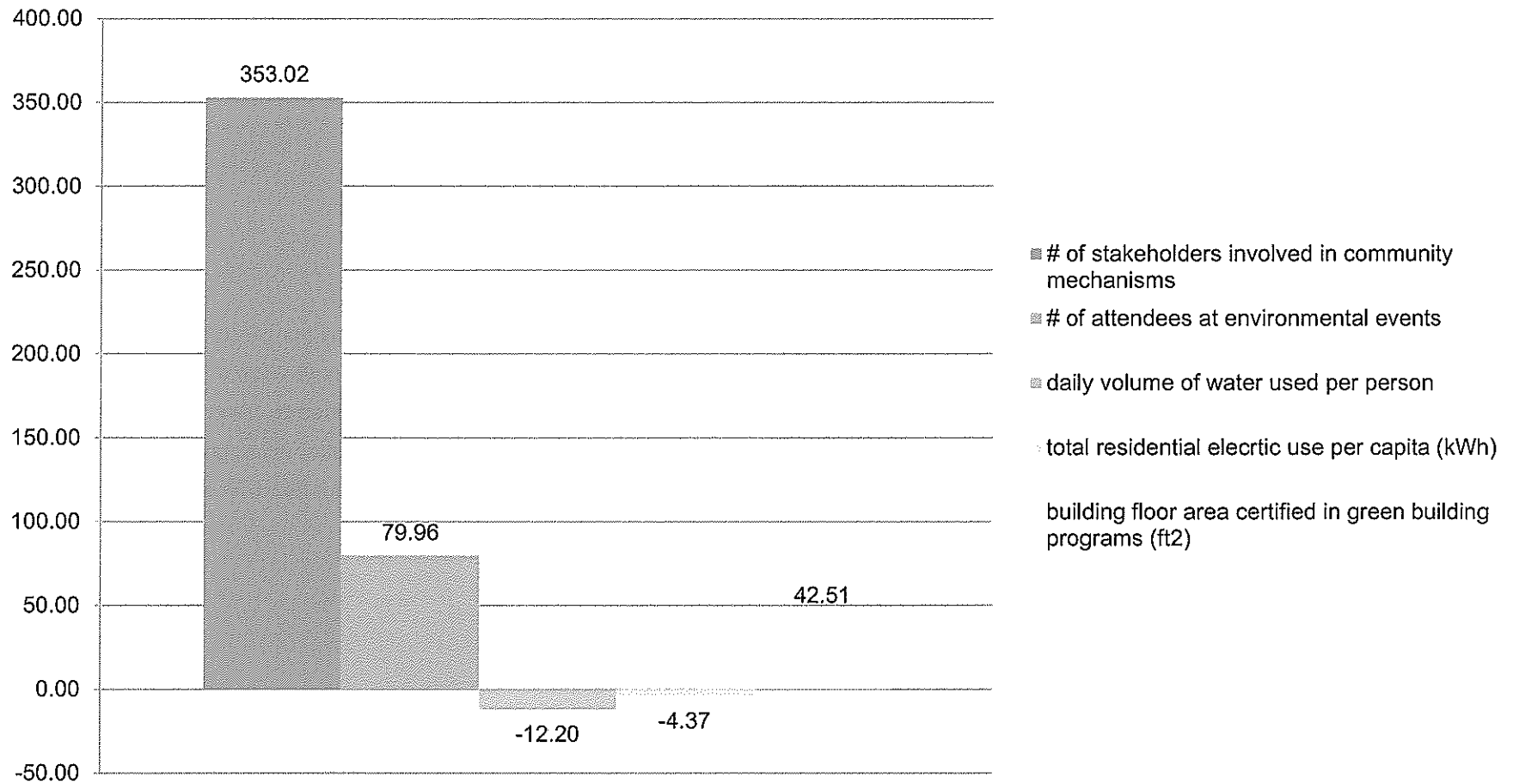


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Indicator Trend Analysis 2011-2014

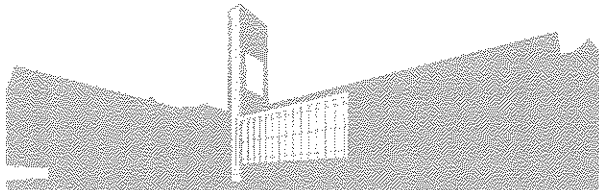
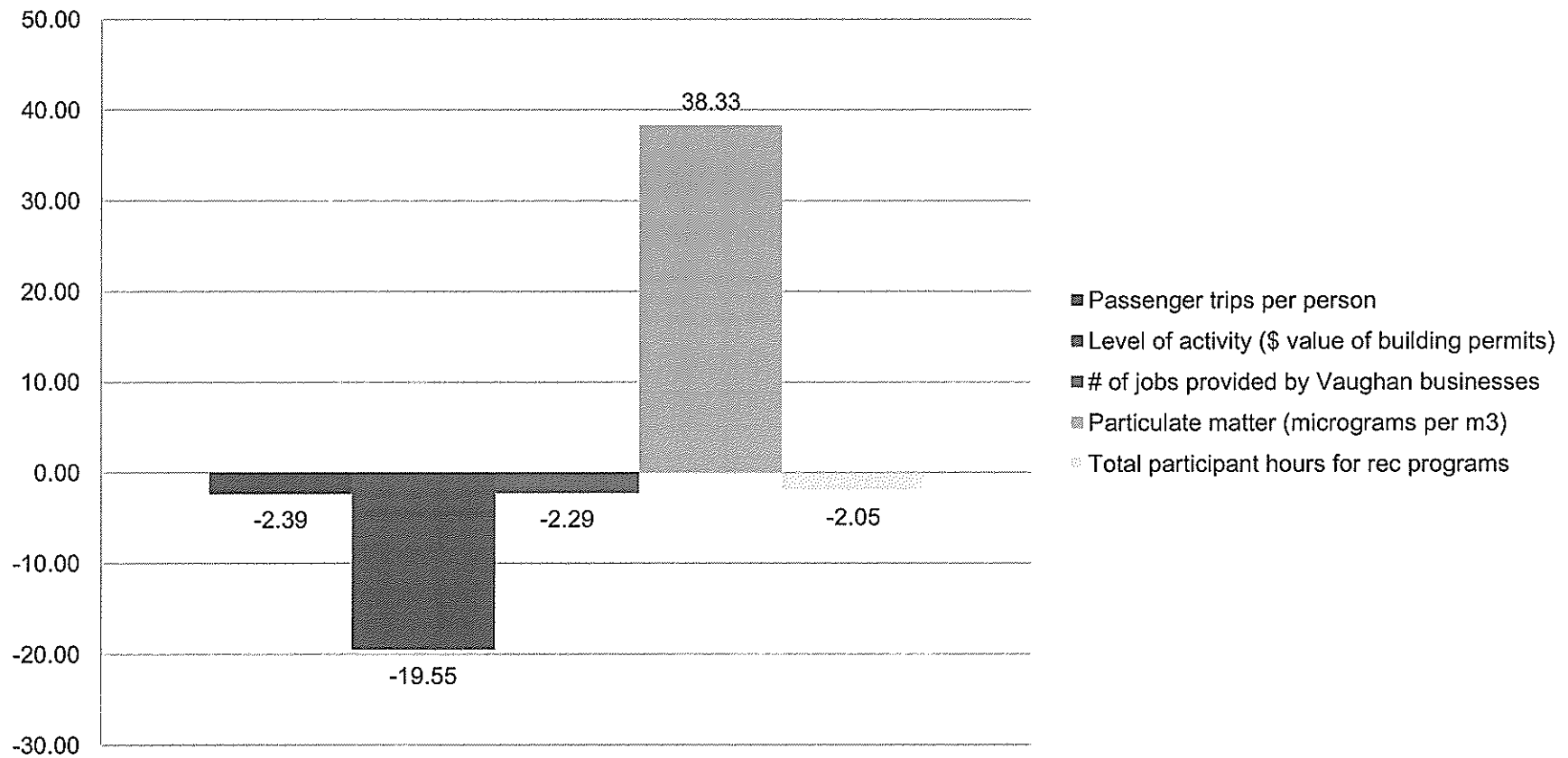


Going the Right Direction *2013-2014*



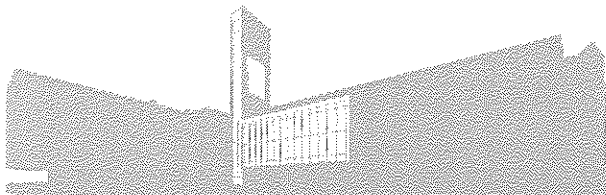
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Needs Improvement 2013-2014



Summary and Next Steps

- 98 % of actions initiated
- Only 14 actions remain to be completed that have established timeframes
- Consider actions on 5 indicators showing poor progress
- As 5th year of implementation comes to an end:
 - Explore options for joining efforts on GDV and VV2020
 - Continue to communicate successes and progress of GDV internally and externally



PRIORITIES AND KEY INITIATIVES COMMITTEE – JUNE 1, 2015

HIGHWAY 427 EXTENSION UPDATE MINISTRY OF TRANSPORTATION WARDS 1 AND 2

RECOMMENDATION

The Commissioner of Public Works and the Director of Development Engineering and Infrastructure Planning Services recommend:

1. THAT the presentation from the Ministry of Transportation staff on the status of the Highway 427 Extension project be received.

CONTRIBUTION TO SUSTAINABILITY

The Highway 427 Extension from Highway 7 to Major Mackenzie Drive contributes to sustainability by addressing existing and short-term inter-regional transportation problems related to the current Highway 427 terminus, and by enhancing goods movement to and from the CPR Vaughan Intermodal facility. In addition, the extension of Hwy 427 will facilitate the planned growth in the City, in particular the West Vaughan Employment area.

ECONOMIC IMPACT

Adoption of this report has no adverse economic impact.

COMMUNICATION PLAN

The Ministry of Transportation (MTO) is developing a comprehensive communication program for the Highway 427 Extension project, which will be overviewed in the presentation.

PURPOSE

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BACKGROUND AND CURRENT STATUS

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RELATIONSHIP TO VAUGHAN VISION 2020/STRATEGIC PLAN

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REGIONAL IMPLICATIONS

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CONCLUSION

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ATTACHMENTS

1. Ministry of Transportation Highway 427 Extension
2. Street "A" Location Map

REPORT PREPARED BY:

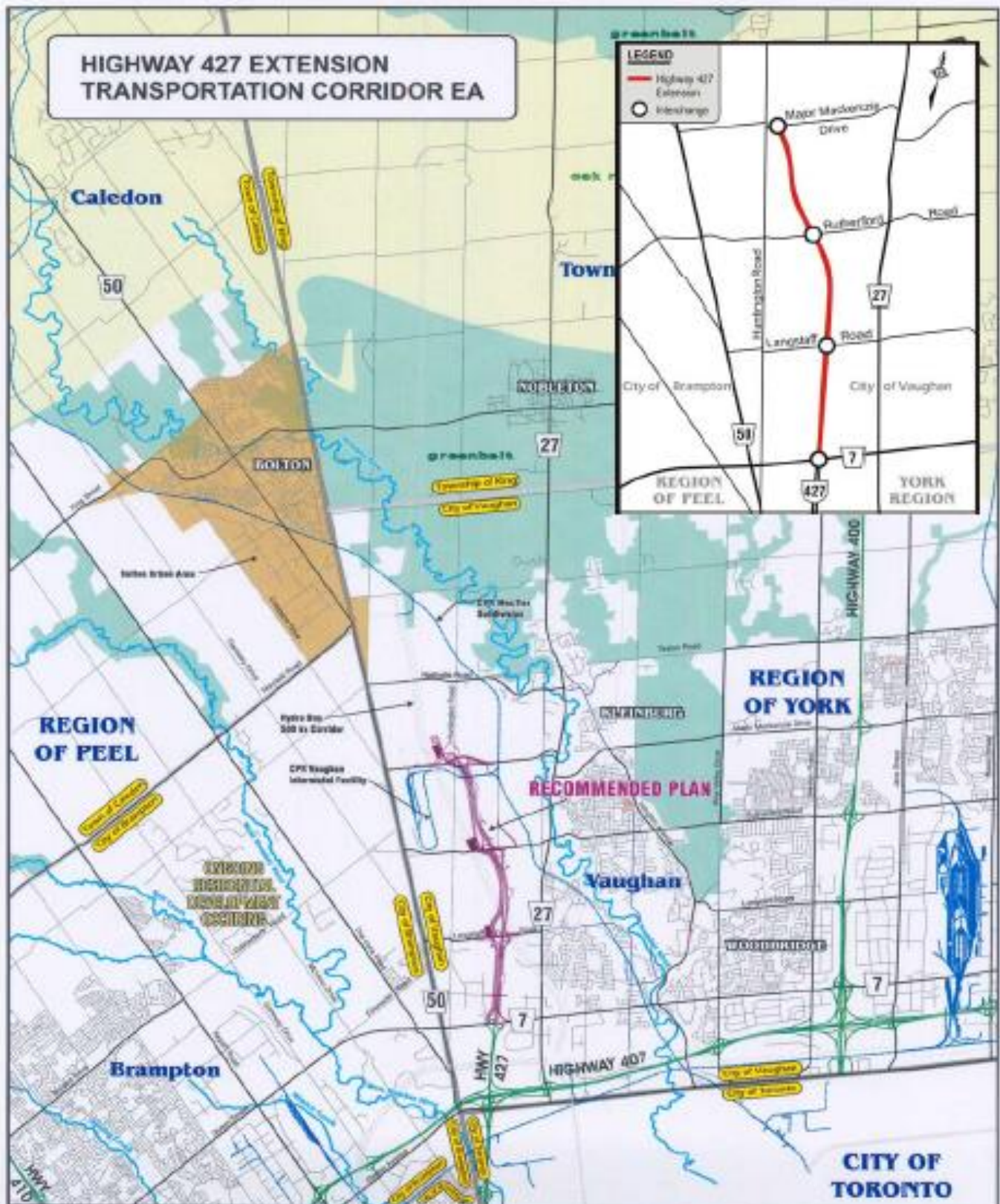
Mani Shahrokni, Transportation Project Manager, Ext. 8163

Respectfully submitted,

Paul Jankowski
Commissioner of Public Works

Andrew Pearce
Director of Development Engineering
and Infrastructure Planning Services

Attachment No.1 – Ministry of Transportation Highway 427 Extension



Attachment No. 2 Street "A" Location Map

