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Communication
PK1 June 1/15
Item: 1

HIGHWAY 427 EXPANSION

PRIORITIES AND KEY INITIATIVES COMMITTEE
CITY OF VAUGHAN

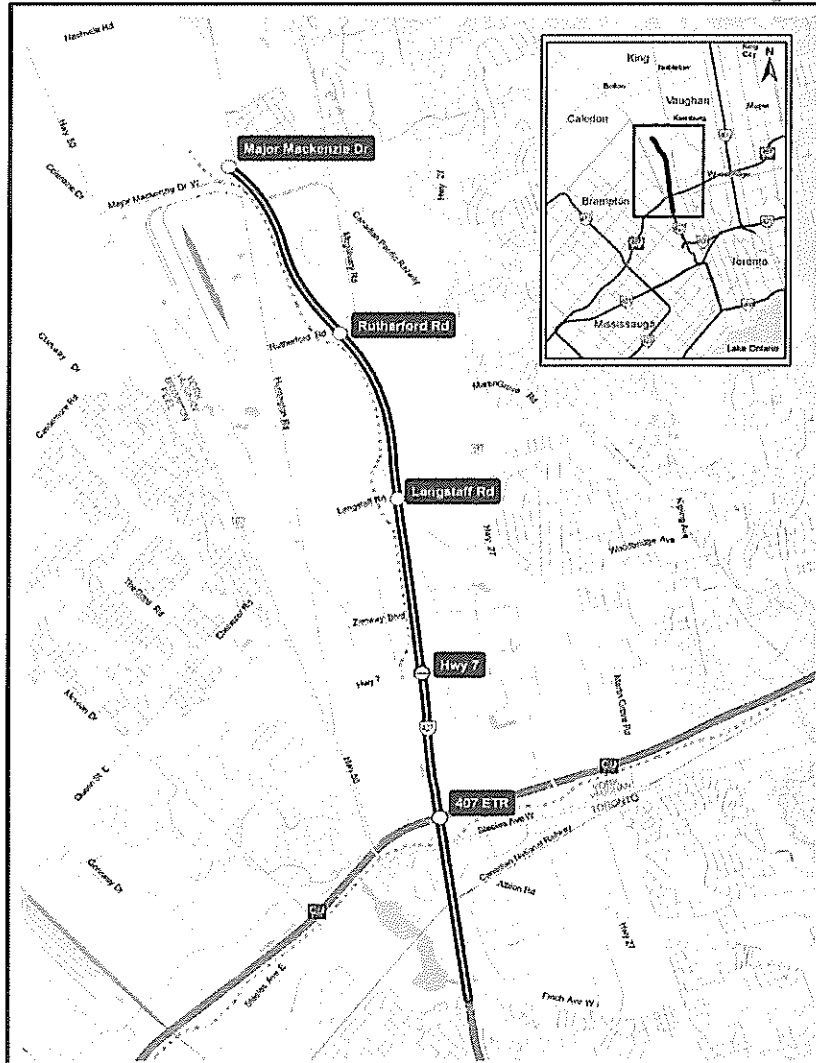
JUNE 1, 2015

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):

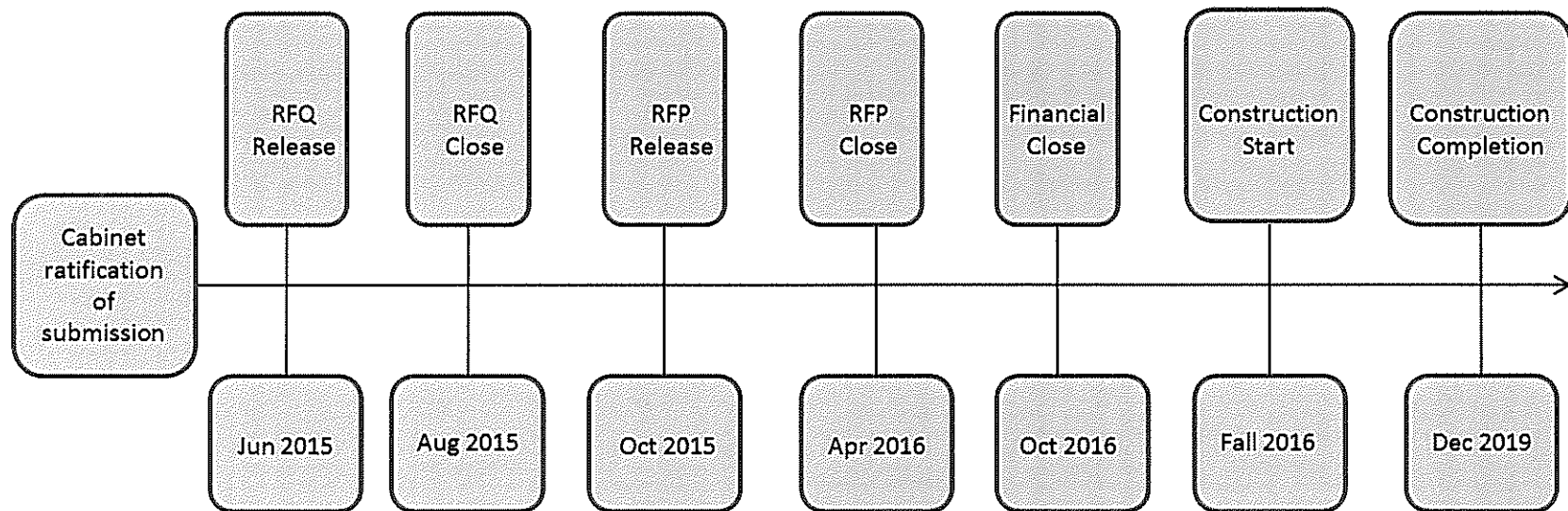
- Widening from 6 to 8 lanes from 1.5 km south of Albion Road to south of Steeles Avenue
- Widening from 4 to 8 lanes from south of Steeles Avenue to Highway 7
- Protection for median HOV lanes
- Widening and rehabilitation of existing bridges - where required - to accommodate the widened Highway 427 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;

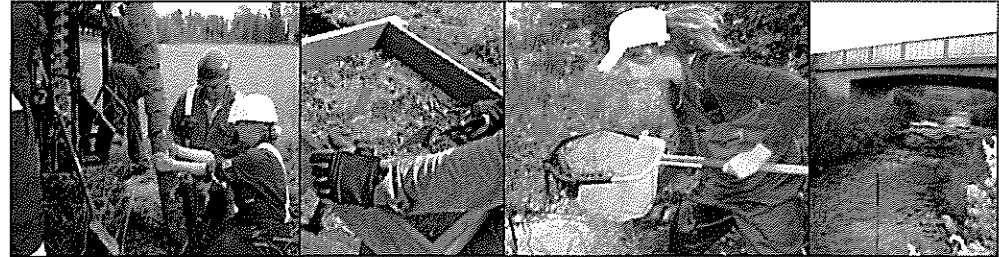
Hydro One Relocation

- 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

