

Town of Whitby

Staff Report

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Report Title: Trans Canada Pipelines Facility Upgrades at Roadway Crossings in North Brooklin – Engineering and Construction

Report to: Committee of the Whole

Date of meeting: May 8, 2023

Report Number: PDE 01-23

Department(s) Responsible:

Planning and Development Department
(Engineering Services)

Submitted by:

Roger Saunders, Commissioner,
Planning and Development, x4309

**Acknowledged by M. Gaskell, Chief
Administrative Officer**

For additional information, contact:

Peter Angelo, Director, Engineering
Services, x4918

1. Recommendation:

1. That Council authorizes the Commissioner of Planning and Development to enter into an agreement with Trans Canada Pipelines (TCPL), substantially upon the terms and conditions set out in Attachment 1 of Report PDE 01-23, to include Engineering and Construction of pipeline upgrades associated with roadway crossings at Columbus Road and Cedarbrook Trail, as part of TCPL's larger project to upgrade pipelines through the Brooklin community; and,
2. That Council authorizes the Commissioner of Planning and Development to enter into a future agreement with TCPL to include Engineering and Construction of pipeline upgrades associated with roadway crossings at Ashburn Road and Brawley Road, as part of TCPL's larger project to upgrade pipelines through the Brooklin community, subject to cost estimates being within the approved budget for capital project #40236055.

2. Highlights:

- Trans Canada Pipelines (TCPL) is currently planning to undertake the final engineering and construction work for Pipeline upgrades in North Brooklin.
- As identified in staff report PDE-05-23, cost efficiencies to be achieved by including the existing Town road crossing locations in TCPL's current scope of work.
- TCPL has initiated Engineering and Construction work for two (2) locations: MLV 133 to 134 line 100-1 and MLV 133 to 134 line 100-2 pipelines (Cedarbrook Trail and Columbus Road crossings).
- The cost of the Engineering and Construction work for the two (2) crossing locations, including all mark ups, expenses, charges, overheads, royalties, taxes, duties, license or permit fees is estimated to be \$2,300,000.
- An Agreement has been prepared to define the relationship between the Town and TCPL in the delivery of the project and to guide the work required.

3. Background:

Engineering staff have been consulting with TCPL on pre-engineering, engineering and required construction works over the last 6 months regarding their planned upgrades to the two pipelines crossing northwest to southeast in north Brooklin. The upgrades are required to accommodate future population growth, but do not include crossings of existing roadways in the Town, as they are off sufficient design for current conditions. However, as identified in the Brooklin Roads EA, several crossing locations are subject to widening in the future (i.e., Ashburn Road, Brawley Road, Cedar Brook Trail, and Columbus Road). The widening / urbanization of these roadways at the crossing locations will require an upgrade of the existing pipelines.

TCPL has initiated engineering and construction activity for two crossings, Cedarbrook Trail and Columbus Road, with completion being end of May for Cedarbrook Trail and June for Columbus Road.

These projects are included in the scope under the 2023 capital project #40236055 Columbus Road – Trans Canada Pipelines, in the amount of \$6,000,000.

4. Discussion:**Approach to Project Execution:**

- Per the Brooklin North Major Roads Environmental Assessment, there are several crossings of the TCPL pipelines in north Brooklin that are to be widened in the future to support development.
- The existing pipelines are currently of appropriate standard for the existing design and load of the road.
- The widening of the roads will require upgrades to the pipeline at each crossing location.
- Engineering and Construction work to be initiated and completed for two (2) locations: MLV 133 to 134 line 100-1 and MLV 133 to 134 line 100-2 pipelines (Cedarbrook Trail and Columbus Road crossings).

- Engineering, procurement, and construction work associated with the upgrading of the Facilities at the Crossing Locations includes the following:
 - project management;
 - planning, engineering, resource strategizing;
 - site visits/field verifications;
 - survey access maps/stake outs;
 - land access, crossing agreements, and permitting;
 - environmental assessment and permits;
 - contractor selection and award;
 - contractor mobilization/de-mobilization;
 - all required material & shipping including but not limited to pipeline steel, backfill material, and hydrotest water;
 - labour and equipment associated with construction activities;
 - non-destructive inspection and field supervision services;
 - Hydrotesting;
 - support services including land surveying, landowner engagement, supplier engagement and legal reviews; and
 - Pipe Procurement; and
 - project closeout.

Advantages to Approach:

- A partnership between the Town and TCPL provides an opportunity to execute work quickly and efficiently;
- Approach minimizes the cost for engineering and construction work for the municipal road crossings; and
- Approach ensures consistency of work through use of a single engineering team that is familiar with TCPL standards and needs as they relate to the pipeline upgrade.

A draft agreement has been prepared by TCPL and reviewed by the Town's Legal Services. It is recommended that Council delegate the authority to the Commissioner of Planning and Development to execute the Draft Agreement (Refer to Attachment No. 1), to allow the project to proceed.

5. Financial Considerations:

The project has been included in the proposed 2023 Capital Budget under project #40236055 Columbus Road – Trans Canada Pipelines in the amount of \$6,000,000. Funding for the project is as follows:

\$5,100,000	DC Roads and Related Townwide Infrastructure Reserve Fund
<u>\$ 900,000</u>	Growth Reserve Fund
<u>\$6,000,000</u>	

Pre-budget approval (2023 budget) for the project was received from Town of Whitby Council in January 2023 so TCPL could proceed with pre-engineering work for all four roads at a cost of \$600,000. The proposed \$2,300,000 for Engineering and Construction at Columbus Road and Cedarbrook Trail will leave a balance of \$3,100,000 (= \$6,000,000 - \$600,000 - \$2,300,000) for Engineering and Construction works at the remaining two locations, Ashburn Road and Brawley Road.

Once the Pre-Engineering work for the remaining two crossings is complete, TCPL will provide an update to the Town along with cost estimates for the detailed Engineering and Construction phase for the remaining two roads. Subject to the cost estimate for Ashburn Road and Brawley Road being within the remaining budget for capital project #40236055, it is recommended that the Commissioner of Planning and Development also be authorized to enter into a future agreement with TCPL for the Engineering and Construction of pipeline upgrades associated with roadway crossings for these two roads as part of TCPL's larger project to upgrade pipelines through the Brooklin community.

6. Communication and Public Engagement:

N/A

7. Input from Departments/Sources:

Engineering Services staff will continue to collaborate with Planning Services, Financial Services, and Communications and Creative Services to address project needs and issues as they arise.

8. Strategic Priorities:

Report PDE 01-23 is consistent with the findings and recommendations of the approved Brooklin Secondary Plan, Comprehensive Block Plan, and the Brooklin North Major Roads EA.

The advancement of the design and construction of road improvement projects in a timely manner to support and facilitate approved developments in north Brooklin align with the objectives of the Corporate Strategic Plan to provide a consistent, optimized, and positive customer service experience.

9. Attachments:

Attachment 1: Engineering and Construction Agreement - Brooklin Block Plan Road Widenings DRAFT