TORONTO

# REPORT FOR ACTION

# Amendment to Purchase Order No. 6044650 with Candevcon Ltd. for the Detailed Design of the Port Union Road Widening

**Date:** June 22, 2022
**To:** Infrastructure and Environment Committee
**From:** Chief Engineer and Executive Director, Engineering & Construction Services Division and Acting Chief Procurement Officer
**Wards:** Ward 25 - Scarborough - Rouge Park

## SUMMARY

The purpose of this report is to request authority to amend Purchase Order Number. 6044650 issued to Candevcon Ltd. for professional engineering services associated with the detailed design of the Port Union Road widening between Lawrence Avenue East and Island Road. This amendment is being requested due to design changes initiated by Transportation Services necessary to reflect today's updated road safety standards and additional geotechnical investigations associated with Ontario Regulation 406/19 On-Site and Excess Soil Management.

The total value of the Purchase Order Amendment being requested is $497,995 net of all taxes and charges ($506,760 net of HST recoveries), revising the current Purchase Order value from $493,100 net of all taxes and charges ($506,760 net of HST recoveries) to $991,095 net of all taxes and charges ($1,008,538 net of HST recoveries).

## RECOMMENDATIONS

The Chief Engineer and Executive Director, Engineering & Construction Services Division and the Acting Chief Procurement Officer, recommend that:

1. The Infrastructure and Environment Committee, in accordance with Section 71-11.1.C of the City of Toronto Municipal Code Chapter 71 (Financial Control By-Law), grant authority to amend Purchase Order Number 6044650 with Candevcon Ltd. for the provision of professional services associated with the design for the widening of Port Union Road between Lawrence Avenue East and Island Road in the amount of $497,995 net of all taxes and charges ($506,760 net of HST recoveries).

This revises the current purchase order value from $493,100 net of all taxes and charges ($501,779 net of HST recoveries) to $991,095net of all taxes and charges ($1,008,538 net of HST recoveries).

## FINANCIAL IMPACT

The Purchase Order Amendment request included in this report will increase the total value of the professional services assignment by $497,995 net of all taxes and charges ($506,760 net of HST recoveries). This revises the current purchase order value from $493,100 net of all taxes and charges ($501,779 net of HST recoveries) to $991,095 net of all taxes and charges ($1,008,538 net of HST recoveries).

Funding for the Purchase Order Amendment is available in the 2022-2031 Approved Capital Budget and Plan for Transportation Services as summarized in Table 1 below (net of HST recoveries):

### Table 1: Financial Impact Summary for Purchase Order Number 6044650

| WSB Element | Description | 2022 | Total (net of HST recoveries) |
|---|---|---|---|
| **CTP815-25-01** | **Port Union Road (Lawrence Avenue - Kingston Road)** | $506,760 | $506,760 |

The Chief Financial Officer and Treasurer has reviewed this report and agrees with the financial impact information.

## DECISION HISTORY

At its meeting held on June 10, 11, 12 and 13, 2014, City Council authorized the General Manager, Transportation Services, to issue a Notice of Completion and to file the Addendum to the Port Union Road Environmental Assessment Study (2004) in the public record for a minimum 30 days in accordance with the requirements of the Municipal Class Environmental Assessment." A copy of the Council decision PW31.10 titled "Port Union Road - Environmental Assessment Addendum" can be found at: http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2014.PW31.10

At its meeting held on December 21, 2016, the Bid Committee adopted Staff Report BD115.5 titled "Award of Request for Proposal No. 9117-16-5042 to Candevcon Limited for Professional Engineering Services to Complete Preliminary and Detailed Design Services and Contract Administration for Port Union Road Widening and Improvements between Lawrence Avenue East and Island Road" granting authority to award the

contract to Candevcon Ltd. in accordance with the contract details set out in the report from the Director, Purchasing and Materials Management. A copy of the Bid Committee report can be found at:
http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2016.BD115.5

## COMMENTS

### Background

Port Union Road is an arterial road with connections to Highway 401 and Highway 2A/Kingston Road and is frequently used by commuters accessing the Rouge Hill GO Station. It currently has two lanes in the southbound direction and one lane in the northbound direction, sections of missing sidewalks, and no cycling infrastructure, as shown in Figures 1 and 2.

Figure 1: Port Union Road Widening Location Map

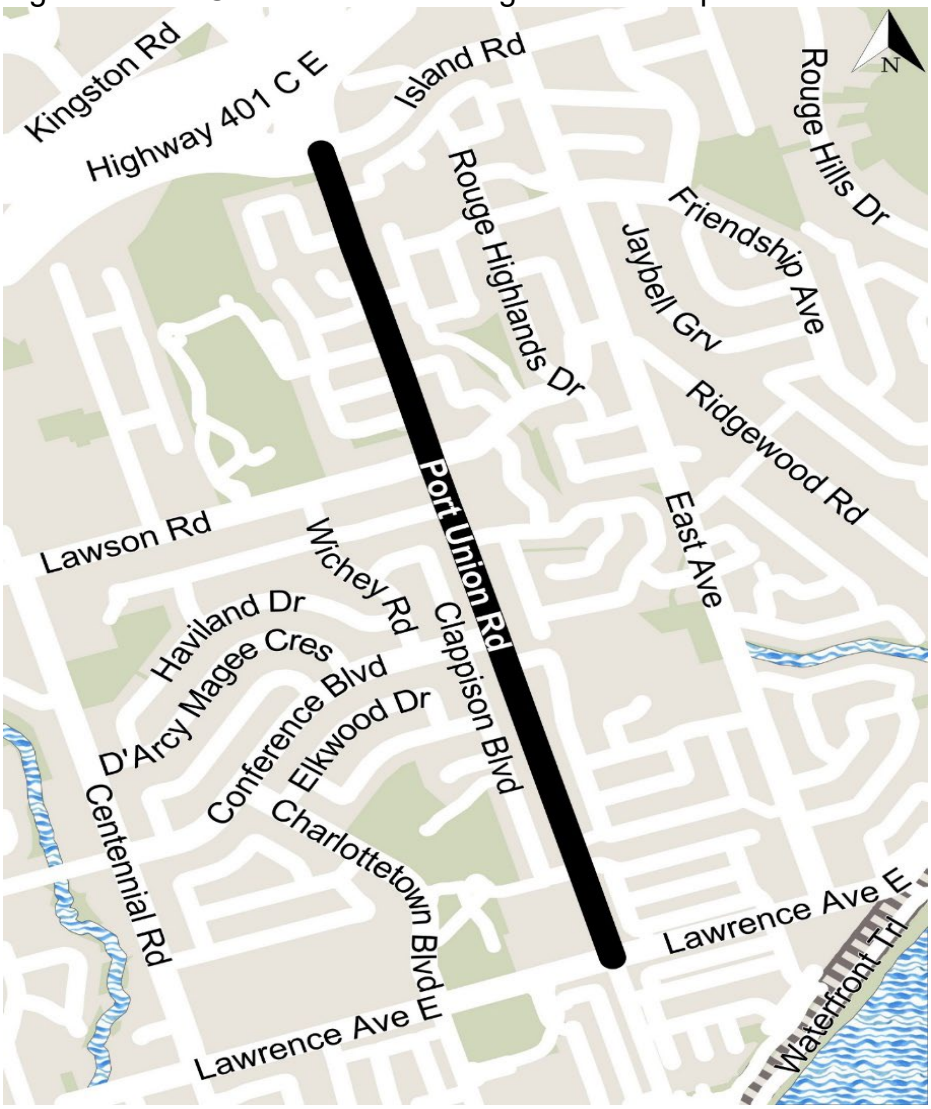

Figure 2: Port Union Road Cross-Section Photo Looking North from Fanfare Avenue

In 2004, Transportation Services completed a Municipal Class Environmental Assessment Study to review options for an additional northbound travel lane and provisions for continuous cycling lanes and sidewalks along Port Union Road. In 2014 Transportation Services completed an Environmental Assessment Addendum, with updated traffic analysis, additional public meetings, and a revised conceptual design to minimize impacts to properties. The recommended option consists of two northbound and two southbound travel lanes on Port Union Road from Lawrence Avenue East to Island Road; continuous on-road painted bicycle lanes in both directions; continuous sidewalks on both sides; and provision for left-turn lanes where warranted.

In December 2016, the City retained Candevcon Ltd. through a Request for Proposal (RFP No. 9117-16-5042) for professional engineering services related to preliminary and detailed design, contract administration and post construction services associated with the recommended option for the Port Union Road Widening.

The detailed design for the recommended option included the following elements:

- The widening of Port Union Road to provide an additional northbound lane;
- Continuous sidewalks and road level painted bicycle lanes in each direction on Port Union Road;
- Any associated electrical design related to Toronto Hydro relocation, streetlights and traffic signals; and
- Addressing and obtaining permits associated for extension of the road culvert at Adams Creek with agencies.

In May 2021, following the public information centre (PIC), Transportation Services requested that the design be modified, to include the separation of cycling lanes, raised to boulevard-height, where they could be accommodated, as well as other geometric road safety improvements such as raised crosswalks.

As a result, the geometric configurations at the intersections were changed, and in turn this prompted traffic signal design changes, with some hydro pole and streetlighting alterations.

The additional detailed design work associated with the Purchase Order Amendment, requested in this report, will ensure the cycling infrastructure reflects present day requirements and the regulatory implementation of the Ontario Regulation, O. Reg. 406/19 (On Site and Excess Soil Management under the Environmental Protection Act, new excess soil reuse planning requirements) will be in place.

The associated construction tender is expected to be released fall 2022 and construction is planned to commence in spring 2023.

Given the technical challenges presented by this project, an additional contingency allowance of $93,065 (net of all taxes and charges) is also being recommended to provide for professional services to address any future unforeseen design issues, which may arise.

The total cost for the additional professional services to address the matters above and additional contract management requirements is $497,995 net of all taxes as summarized in Table 2 below.

Table 2: Breakdown of Costs for Additional Professional Engineering Services

| New Scope | Cost |
|---|---|
| Hydro and Streetlighting Design | $3,295 |
| Permanent Traffic Signal Design | $72,955 |
| Temporary Traffic Signal Design | $60,960 |
| Civil Costs Relating to Traffic Signals & Street Lighting | $19,050 |

| New Scope | Cost |
|---|---|
| Geotechnical Investigations & Excess Soils | $174,970 |
| Civil Costs Relating to Geotechnical Investigations | $16,650 |
| Civil Design Changes for Cycling & Curb Radii | $57,050 |
| Contingency | $93,065 |
| Total Purchase Order Amendment (net of all taxes) | $497,995 |

The amendment to Purchase Order No. 6044650 with Candevcon Ltd. for the additional services required to complete the detailed design of Port Union Road and increases the total contract by an amount of $497,995 net of all taxes. This will revise the value of the Purchase Order from $493,100 net of all taxes to $991,095 net of all taxes.

The City has reviewed Candevcon Ltd's quotation for the additional professional services associated with the revisions required to the detailed design for the Port Union Road widening and found them to be fair and reasonable.

## CONTACT

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## SIGNATURE

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