



## REPORT FOR ACTION

# Award of Contract No. 20ECS-TI-19SP, for the Reconstruction of the King Street West, Queen Street West, The Queensway and Roncesvalles Avenue Intersection

**Date:** June 24, 2020

**To:** Infrastructure and Environment Committee

**From:** Chief Engineer and Executive Director, Engineering and Construction Services and Chief Procurement Officer, Purchasing and Materials Management

**Wards:** 4

## SUMMARY

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The purpose of this report is to advise of the results of Ariba Document No. 2401515363, Contract No. 20ECS-TI-19SP, for the reconstruction of the King Street West, Queen Street West, The Queensway and Roncesvalles Avenue intersection. This includes the reconstruction of the TTC track allowance and platforms, roads, sidewalks; construction of new streetscaping; replacement of watermains, sewer relining; and the rehabilitation of The Queensway bridge over Parkside Drive. Authority is being requested to award the contract to Sanscon Construction Ltd., in the amount of \$25,018,223.55 net of all applicable taxes and charges (\$25,458,544.28 net of HST recoveries).

## RECOMMENDATIONS

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The Chief Engineer and Executive Director of Engineering and Construction Services and the Chief Procurement Officer, Purchasing and Materials Management recommend that:

1. The Infrastructure and Environment Committee, in accordance with Section 195-8.4A of the Toronto Municipal Code Chapter 195 (Purchasing By-Law), grant authority to award Contract No. 20ECS-TI-19SP, Ariba Doc No. 2401515363, for the Reconstruction of TTC Track Allowance, Road, Sidewalk, Watermain, Sewer, Streetscaping, and TTC Platforms at The Queensway, Roncesvalles Avenue, Queen Street West and King Street West, and the Rehabilitation of The Queensway bridge over Parkside Drive, in the amount of \$25,018,223.55 net of all taxes (\$25,458,544.28 net of HST recoveries) to Sanscon Construction Ltd., having submitted the lowest

compliant bid and meeting the specifications in conformance with the Tender requirements.

## **FINANCIAL IMPACT**

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The total value of the contract award for Ariba Document No. 2401515363, Contract No. 20ECS-TI-19SP, for the Reconstruction of TTC Track Allowance, Road, Sidewalk, Watermain, Sewer, Streetscaping, and TTC Platforms at The Queensway, Roncesvalles Avenue, Queen Street West and King Street West, and the Rehabilitation of The Queensway bridge over Parkside Drive, is \$28,270,592.61 including HST and all applicable charges. This includes a contingency amount of \$3,263,246.55 and a total provisional sum amount of \$644,100.00. The total cost to the City for the project is \$25,458,544.28 including contingency and provisional sums and net of HST recoveries.

Funding for this contract is included in the 2020 Approved Capital Budgets and 2021-2029 Approved Capital Plans for Toronto Water, Transportation Services and Economic Development & Culture.

Funding details are summarized in Table 1 below (all values are net of HST recoveries):

**Table 1: Projected Cash Flow for Contract No. 20ECS-TI-19SP**

<b>WBS Element</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>Total (Net of HST Recoveries)</b>
CTP315-06-395	\$37,175	\$520,444	\$148,698	\$37,175	\$743,492
CTP315-06-396	\$31,492	\$251,939	\$314,924	\$31,492	\$629,848
CTP315-09-361	\$0	\$0	\$461,442	\$51,271	\$512,713
CTP519-01-48	\$3,079,418	\$769,855	\$0	\$0	\$3,849,273
CTP817-05-159	\$1,571	\$21,997	\$7,856	\$0	\$31,425
CTP717-58-107	\$51,436	\$720,110	\$205,746	\$51,436	\$1,028,729
CTP417-02-61	\$11,421	\$159,890	\$45,683	\$11,421	\$228,414
CTP817-01-288	\$259,254	\$32,407	\$16,203	\$16,203	\$324,068
CTP817-01-289	\$577,443	\$8,084,205	\$2,309,773	\$577,443	\$11,548,864
CWW472-22-15	\$161,705	\$2,263,869	\$646,820	\$161,705	\$3,234,098
CPW542-25-30	\$145,047	\$2,030,659	\$580,188	\$145,047	\$2,900,942
CPW544-21-46	\$4,703	\$65,842	\$18,812	\$4,703	\$94,059

<b>WBS Element</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>Total (Net of HST Recoveries)</b>
CPW542-26-15	\$16,007	\$224,099	\$64,028	\$16,007	\$320,141
CED111-21	\$0	\$1,663	\$1,848	\$185	\$3,696
CED111-23	\$0	\$3,953	\$4,392	\$439	\$8,784
<b>Total</b>	<b>\$4,376,673</b>	<b>\$15,150,931</b>	<b>\$4,826,413</b>	<b>\$1,104,528</b>	<b>\$25,458,546</b>

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

## **DECISION HISTORY**

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At its meeting on April 30, 2020, City Council adopted the staff report from Transportation Services entitled "Improvements at The Queensway, Queen Street West, King Street West and Roncesvalles Avenue Intersection to Improve Safety, Operations, and Extend Bicycle Lanes." The Infrastructure and Environment Committee Decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2020.IE12.9>

At its meeting on February 15, 2017, Bid Award Panel granted authority to enter into an agreement with Morrison Hershfield Limited for the provision of Professional Engineering Services to complete the Preliminary and Detailed Design for improvements along The Queensway, Roncesvalles Avenue, King Street West and Queen Street West, in the amount of \$606,219 net of all applicable taxes and charges as a result of Request for Proposal No. 9117-16-5089. A copy of the Bid Award Panel Decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2017.BA8.5>

At its meeting on May 25, 26 and 27, 2009, City Council adopted Item PW24.5, containing an April 20, 2009, report entitled "Roncesvalles Avenue Streetscape Improvements – Class Environmental Assessment Study", approving changes to Roncesvalles Avenue, between Dundas Street West and Queen Street West. The report can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2009.PW24.5>

## COMMENTS

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### Background

In 2001, as part of the TTC state of good repair program, the TTC track allowance and associated road works were reconstructed at the King Street West, Queen Street West, The Queensway and Roncesvalles Avenue intersection (KQQR Intersection); along Roncesvalles Avenue from Harvard Avenue to Queen Street West; and along The Queensway from Queen Street West to Claude Avenue. The entrances to the TTC Roncesvalles Carhouse were also included in this work.

In 2009, City Council adopted the Roncesvalles Avenue Streetscape Improvements – Class Environmental Assessment Study which included changes that would transform the configuration and streetscape of Roncesvalles Avenue, between Dundas Street West and Queen Street West. The reconstruction of Roncesvalles Avenue, between Dundas Street West to Harvard Avenue, was subsequently undertaken in two major phases between 2009 and 2011. The reconstruction of the remaining section of the approved changes in the Roncesvalles Avenue Streetscape Improvements Environmental Assessment, between Harvard Avenue and Queens Street West, was deferred so that it would be incorporated with the planned KQQR Intersection reconstruction.

The scope of work associated with this contract award report includes TTC track reconstruction and overhead wire replacement, road reconstruction, watermain replacement, sewer relining, reconfiguration of the KQQR Intersection, traffic signal modifications, street lighting, TTC platform reconstruction, Vision Zero Road Safety initiatives and other public realm and streetscape improvements. The construction work area for this contract is presented in Attachment 1.

The dedicated TTC track allowance will be extended on The Queensway, from Claude Avenue to Roncesvalles Avenue, by constructing curbs on the north and south sides of the streetcar lanes which physically separate the streetcar tracks from vehicular traffic. These changes will result in reduced delays and improved reliability for TTC streetcars. The dedicated TTC track allowance will eliminate the eastbound (left-turning) movements on The Queensway at the Claude Avenue intersection. Only southbound on Claude Avenue to westbound (right-turning) movements to The Queensway will be possible at this intersection.

The TTC track allowance on The Queensway will be raised from Parkside Drive to Glendale Avenue to improve the vertical alignment for the dedicated TTC track allowance and streetcars. In addition, to address safety concerns, the dedicated eastbound bicycle lane on The Queensway will be extended to Glendale Avenue, providing a safer connection, at a signalized intersection, to local street routes north of The Queensway.

To maintain the current eastbound left-turn movements, along The Queensway, at the Glendale Avenue and Sunnyside Avenue intersections (i.e. across a dedicated TTC track allowance), eastbound left-turn lanes will be implemented at these intersections. This requires the widening of The Queensway, on the south side, from Claude Avenue

to Sunnyside Avenue. However, due to the significant grade differences between The Queensway and Metrolinx Lakeshore rail corridor below, a retaining wall will be constructed, parallel to The Queensway, in the vicinity of Sunnyside Avenue, to permit this widening of The Queensway.

TTC platforms on The Queensway at Glendale Avenue will be modified by relocating the existing westbound nearside platform to a far-side platform, and widening the existing eastbound far-side platform. A short segment of sidewalk, approximately 20 metres long, will be constructed on the south side of The Queensway at the Glendale Avenue intersection and a north-south pedestrian crossing will be permitted on both sides of the intersection. Currently, there is no pedestrian crosswalk on the west side of the intersection. Traffic signal modifications will also be implemented at this intersection to accommodate all road users including, pedestrians, cyclists, streetcars and vehicular traffic.

At the intersection of The Queensway and Sunnyside Avenue, new traffic control signals will be installed to improve safety for pedestrians crossing east-west along The Queensway, and better accommodate traffic generated by the St. Joseph's Health Centre as well as the movement of TTC streetcars exiting from the Sunnyside Avenue Loop.

The centre TTC platform on the west side of the KQQR Intersection on The Queensway will be eliminated in order to accommodate a dedicated eastbound left turn lane and minimize the traffic infiltration currently being experienced through the local neighbourhood. This will require eastbound streetcars to load and unload on Queen Street West, east of the intersection. In order to directly off-load riders, a raised TTC platform/bicycle facility will be constructed at the transit stop, similar to those recently constructed on Roncesvalles Avenue between Dundas Street West and Harvard Avenue. A raised TTC platform/bicycle facility will also be constructed at the northbound and southbound transit stops on Roncesvalles Avenue between Queen Street West and the Harvard Avenue.

The scope of work for this contract also includes the rehabilitation of the Parkside Drive bridge at The Queensway, as part of the Transportation Services Bridge Rehabilitation Program. In order to reduce the overall impact of construction on all road users in the area around Parkside Drive, the underside of the Parkside Drive bridge at The Queensway will, therefore, be completed in 2020 in conjunction with the Dundas/Howard Park and Howard Park (Sunnyside Avenue to Parkside Drive) project (Contract No. 20ECS-TI-11SP). This bridge substructure work includes abutment repairs, recoating structural steel, reconstruction of the TTC stairs and concrete patch repairs to the TTC owned portion of the bridge.

In 2021 and 2022, construction associated with this contract will be carried out in three stages as shown in Attachment 2 and described in the following:

### **Stage 1: February 2021 to July 2021**

The Stage 1 of construction will be carried out on The Queensway between Parkside Drive and the KQQR Intersection and on Queen Street West between Triller Avenue and the KQQR Intersection. This work includes watermain replacement, sewer relining,

TTC overhead wire removals, TTC track work, road reconstruction and hydro works along The Queensway, the KQQR Intersection, and along Queen Street West; and the rehabilitation of The Queensway bridge at Parkside Drive (outer lanes).

### **Stage 2: July 2021 to April 2022**

The Stage 2 of construction will be carried out on The Queensway from Parkside Drive to Sunnyside Avenue and on King Street West from the KQQR Intersection to approximately 100 m south thereof. This work includes watermain replacement and sewer relining on King Street West; TTC track work, road reconstruction and hydro works along The Queensway (Parkside Drive to Sunnyside Ave); reconstruction of the southwest corner of the KQQR Intersection including streetscape work at Beaty Boulevard Park (southwest corner of the KQQR Intersection); TTC overhead wire replacement along The Queensway, the KQQR Intersection and King Street West; and the rehabilitation of The Queensway bridge at Parkside Drive (inner lanes).

### **Stage 3: April 2022 to August 2022**

The Stage 3 of construction will be carried out on Roncesvalles Avenue from the KQQR Intersection to Dundas Street West. This work includes watermain replacement, sewer relining, TTC overhead wire removal and replacement, and TTC track work; and road reconstruction on Roncesvalles Avenue from the KQQR Intersection to Harvard Avenue. Stage 3 also includes minor work on Roncesvalles Avenue, from Harvard Avenue to Dundas Street West, to modify the TTC platforms for compliance with the Province's Accessibility for Ontarians with Disabilities Act (AODA) requirements.

In an effort to mitigate traffic impacts for all road users during construction, several traffic control measures will be implemented. This includes maintaining an east-west connection through the KQQR Intersection at all times. During Stage 1, a short section of The Queensway will be widened on the south side to provide a temporary east-west bypass through the intersection via King Street West.

In addition, a comprehensive traffic management plan will be developed for the area and will include input from the local Councillor, the St. Joseph's Health Centre, neighbourhood BIAs and other key stakeholders to address anticipated closures and restrictions.

### **Award for Contract No. 20ECS-TI-19SP, Ariba Doc No. 2401515363**

Contract No. 20ECS-TI-19S, Ariba Doc No. 2401515363, for the Reconstruction of TTC Track Allowance, Road, Sidewalk, Watermain, Sewer, Streetscaping, and TTC Platforms at The Queensway, Roncesvalles Avenue, Queen Street West and King Street West, and the Rehabilitation of The Queensway bridge over Parkside Drive was issued by the Purchasing and Materials Management Division (PMMD) and was advertised on the City's website on May 8, 2020.

The tender call was closed on June 8, 2020. PMMD issued the tenders and bid results listed in Table 2.

The submissions received from the four (4) bidders that responded to Tender Call 16-2020, Contract No. 20ECS-TI-19SP, were reviewed and evaluated by staff from PMMD

and Engineering and Construction Services and were found to be in conformance with the Tender requirements.

**Table 2: Summary of Bids Received for Ariba Doc No. 2401515363**

<b>Bidders</b>	<b>Bid Price including HST *</b>
Sanscon Construction Ltd.	\$24,583,124
CRCE Construction Ltd.	\$32,277,758
Midome Construction Services Ltd.	\$37,290,000
CRH Canada Group Inc. C.O.B. as Dufferin Construction Company	\$39,816,356

*\*Pursuant to the Request for Tender document the contract award price includes contingency. Bid prices shown do not include contingency*

The bid price of the recommended bidder in the amount of \$28,270,592.61 including all taxes and charges is approximately thirteen (13) percent lower than the pretender engineering estimate of \$32,478,559.04 including all taxes and charges.

A contingency allowance of \$3,263,246.55 (net of HST) on the base scope of work is included in the proposed contract award for additional work and/or services which may be required to address any unforeseen conditions which may arise during construction. The total contract price is \$28,270,592.61 including HST.

The Fair Wage Office has reported that the recommended Bidder has indicated they have reviewed and understand the Fair Wage Policy and Labour Trades requirements and the recommended Bidder has agreed to comply fully.

The Tender submission from Sanscon Construction Ltd., for Ariba Doc No. 2401515363, Contract No. 20ECS-TI-19SP (16-2020), includes their agreement to complete the works by August 12, 2022.

## **CONTACT**

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## **SIGNATURE**

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Michael D'Andrea, M.E.Sc., P.Eng.  
Chief Engineer and Executive Director, Engineering and Construction Services

Michael Pacholok, JD  
Chief Procurement Officer, Purchasing and Materials Management

## **ATTACHMENT**

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Attachment 1: Map showing limits of contract  
Attachment 2: Stages of Construction Work for 2021 and 2022







**Attachment 1: Map showing limits of contract**



Note: \* Claude Ave

## Attachment 2: Stages of Construction Work for 2021 and 2022

<b>Stage 1</b>		February to July 2021
<b>Stage 2</b>		July 2021 to April 2022
<b>Stage 3</b>		April to August 2022
<b>Stage 3</b>		Harvard to Dundas Street West AODA Upgrades to Existing TTC Platforms

