

NO:

COUNCIL DATE:

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **December 15, 2017**

FROM: **General Manager, Engineering**

FILE: **1717-059/11**

SUBJECT: **Award of Contract No. 1717-059-11
105 Avenue Connector and Feeder Water Main (Phase 1)**

RECOMMENDATION

The Engineering Department recommends that Council:

1. Award Contract No. 1717-059-11 to Tybo Contracting Ltd. in the amount of \$11,247,075.00, including GST, for the 105 Avenue Connector and Feeder Water Main (Phase 1) project; and
2. Set the expenditure authorization limit for Contract No. 1717-059-11 at \$12,372,000.00, including GST and contingency.

SCOPE OF WORK

This contract consists of constructing Phase 1 of the 105 Avenue Connector and a feeder water main. These works are located between 140 Street and 144 Street, as illustrated on the map attached to this report as Appendix "I".

The 105 Avenue Connector is a multi-modal transportation corridor which will include a two-lane road (one travel lane in each direction) for vehicles, separated bicycle lanes within the raised boulevards, sidewalks and improved pedestrian access to Hawthorne Rotary Park, as illustrated on the rendering attached to this report as Appendix "II". The construction work includes a large diameter (900mm) feeder water main which is being relocated from 104 Avenue as part of the Surrey-Newton-Guildford Light Rail Transit ("SNG-LRT") Early Work Program.

The Phase 1 contract work is expected to start on January 8, 2018 and be completed by September 28, 2018.

BACKGROUND

At the November 6, 2017 Regular Council meeting, Council approved the recommendations made in Corporate Report No. R223; 2017 to move forward with the implementation of the 105 Avenue Connector and Hawthorne Rotary Park Improvements. Council's decision to approve the project came after careful consideration of the need to balance the area's growing transportation demands, plans for sustainable development in City Centre and along 104 Avenue, and active and natural areas for a community. The 105 Avenue Connector project will make short-term investments of \$3 million in amenity enhancements to Hawthorne Rotary Park.

The many positive deliverables include:

- Connecting City Centre to Guildford Town Centre with a green, multi-modal collector road;
- Acquiring over 5 acres of adjacent high quality, bio-diverse natural areas, increasing the overall size of Hawthorne Rotary Park by 1 acre;
- Incorporating and protecting approximately 450 trees through the acquired properties, resulting in a net increase of 200 trees within the Park;
- Adding 500 replacement trees planted within the corridor boulevards, providing a total net increase of 700 trees throughout the project area;
- Removing the existing parking lot and greening of the space with a grass field for picnics and play;
- Enhancing environmental and biodiversity elements within the Park, including new wetlands and habitat; and
- Customizing the corridor to provide maximized boulevard design for large street tree growth, above-standard space for cyclists and pedestrians, and new Park access points for neighbours.

Initial enhancements to Hawthorne Rotary Park will be delivered as part of the 105 Avenue Connector project and will include a new parking lot, removal of the existing parking lot, wetland habitat features, and an entry plaza. This work will be delivered in 2018 through a series of other construction contracts. Following further public consultation, the Parks, Recreation & Culture Department anticipates to deliver further enhancements to Hawthorne Rotary Park over a multi-year program through 2018 to 2020.

This contract represents Phase 1 of a multi-phased program. Phase 2 includes the 105 Avenue Connector and feeder water main from City Parkway at 104 Avenue to 140 Street at 105 Avenue, scheduled for construction from February to November 2018.

Construction of the feeder water main is included in this contract as part of the SNG-LRT Early Work Program. While TransLink is delivering the SNG-LRT project, the City is supporting the project by delivering components of the Early Work Program, funded by the Federal government, specifically the replacement of key City infrastructure given the City's experience in delivering similar municipal infrastructure projects. Completion of this work in advance of construction of the SNG-LRT will reduce key project risk elements which will facilitate the successful delivery of the SNG-LRT project.

TENDER RESULTS

Tenders for the subject contract were opened on December 12, 2017 with the following results:

<i>Contractor</i>	<i>Tendered Amount with GST</i>	<i>Corrected Amount</i>
1. M2K Construction Ltd	\$10,429,623.75	No Change
2. Tybo Contracting Ltd.	\$11,247,075.00	No Change
3. B&B Contracting (2012) Ltd.	\$11,386,600.00	No Change
4. Eurovia British Columbia Inc.	\$12,258,651.38	No Change
5. Jacob Bros. Construction Inc.	\$13,354,060.12	No Change

The Engineer's (Aplin & Martin Consultants Ltd.) pre-tender estimate was \$10.6 million, including GST.

EVALUATION

The City's consultant reviewed the tender submissions for accuracy, completeness and comparable work experience. No errors were found in the tender amounts. All submissions included the required 10% bid bond, were signed on the Tender Form, and were initialed on the Summary Sheet of the Schedule of Quantities and Prices.

The lowest tender, from M2K Construction Ltd. was found to not have relevant and directly comparable work experience, as confirmed from reference checks, for successfully constructing extensive municipal roadworks nor large diameter feeder water main work, both which are significant components to this project. As well, M2K Construction Ltd. has not completed a municipal infrastructure project of comparable value.

The second lowest bidder, Tybo Contracting Ltd., has directly comparable road and feeder watermain work experience, which was confirmed from reference checks, and represents the best value to the City. Tybo Contracting Ltd. has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond. They have no outstanding legal claims against the City. Upon discussion with Engineering and Legal Services, it is recommended that Tybo Contracting Ltd. be awarded Contract No. 1717-059-11.

SUSTAINABILITY CONSIDERATIONS

The work of this contract supports the objectives of the City's Sustainability Charter. In particular, this work relates to the Sustainability Charter themes of Built Environment and Neighbourhoods, and Infrastructure. Specifically, this contract supports the following Desired Outcomes:

- Neighbourhoods and Urban Design DO2: Surrey is well-connected within the city and to the rest of the region by fast and efficient public transit and active all-ages-and-abilities transportation infrastructure; and
- Transportation DO11: An integrated and multi-modal transportation network offers affordable, convenient, accessible and safe transportation choices within the community and to regional destinations.

FUNDING

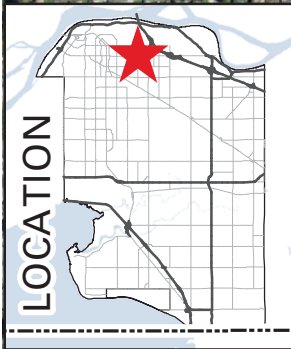
Funding for this contract is available in the approved 2017 Transportation Budget. Funding for the feeder water main project is being funded through the Federal government's Public Transit Infrastructure Fund program.

Fraser Smith, P.Eng., MBA
General Manager, Engineering

SBN/VJ/cc/brb

Appendix "I" – Project Location – Contract No. 1717-059-11
Appendix "II" – Hawthorne Rotary Park Rendering

AERIAL PHOTOGRAPH OF SITE



LEGEND

- Water Main (Phase 1)
- 105 Avenue Corridor Project (Phase 1)
- - - Water Main (Phase 2)
- - - 105 Avenue Corridor Project (Phase 2)
- Parks

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Scale: 1:10,000 0 90 M



105 Avenue General Alignment

ENGINEERING DEPARTMENT

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey.
 This information is provided for information and convenience purposes only.
 Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.

HAWTHORNE ROTARY PARK RENDERING

