



## STAFF REPORT INFORMATION ONLY

### Amendment to Contract 47010956, Tender Call 80-2005, 05TM-01TP - Maintenance and Operation of Electrical Traffic Control and Related Devices

<b>Date:</b>	April 15, 2009
<b>To:</b>	Public Works and Infrastructure Committee
<b>From:</b>	General Manager, Transportation Services Acting Director, Purchasing and Materials Management
<b>Wards:</b>	All Wards
<b>Reference Number:</b>	P:/2009/Internal Services/pmmd/pw09010pmmd (AFS 9638)

#### SUMMARY

---

The purpose of this report is to advise on the over expenditure of Contract No. 47010956, by \$908,333.96 net of GST, which represents a 2.2% increase of the current contract value of \$40,847,791.95 net of GST. This increase is a result of extra work required to complete the city wide maintenance and operation of electrical traffic control devices to the contract end date of January 31, 2009.

#### Financial Impact

---

The Contract increase identified in this report is \$953,750.66 including all applicable taxes and charges. The cost to the City, net of GST is \$908,333.96. Funding is available in the Transportation Services Capital Budget Accounts CTP709-03 Signal Major Modifications and CTP709-07 Traffic Plant Requirements/Signal Asset Management in the amounts of \$281,229.69 and \$627,104.27 respectively.

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

## **DECISION HISTORY**

Works Committee at its meeting dated May 26<sup>th</sup>, 2005, authorized the award of Contract 05TM-01TP, Tender No. 80-2005 to Stacey Electric Company Limited, being the lowest bidder meeting specifications, for the maintenance and operation of electrical traffic control and related devices within the City of Toronto for the period February 1<sup>st</sup>, 2006 to January 31<sup>st</sup>, 2009.

Electrical traffic control and related devices are transportation public safety infrastructure that include traffic control signals, pedestrian crossovers (PXOs), flashing beacons and illuminated signs, electronic changeable message signs and closed circuit television cameras (CCTV) operated by the Transportation Services Division.

The original contract was issued for a total value of \$35,647,791.95 net of GST, The following two amendments were previously approved under this contract:

- 1) On June 27, 2007, Public Works and Infrastructure Committee granted a contract increase in the amount of \$1,200,000.00 net of GST to recognize the increase in the volume of work experienced in the first year of the contract.  
<http://www.toronto.ca/legdocs/mmis/2007/pw/bgrd/backgroundfile-5139.pdf>
- 2) On June 27, 2008, Public Works and Infrastructure Committee granted a contract increase in the amount of \$4,000,000.00 net of GST to recognize the increase in the volume of work experienced in the second year of the contract and the anticipated projection for the remainder of the contract term, with the understanding that transportation would report back to Public Works and Infrastructure if further increases were required.  
<http://www.toronto.ca/legdocs/mmis/2008/pw/bgrd/backgroundfile-13908.pdf>

The combined amendments resulted in the current contract value of \$ 40,847,791.95.

## **ISSUE BACKGROUND**

Contract No. 47010956 was issued to Stacey Electric Company Limited for Contract 05TM-01TP, Tender Call 80-2005 for a 3 year period starting from February 1, 2006 and expiring on January 31<sup>st</sup>, 2009. The scope of work performed under this contract includes emergency and routine maintenance work for traffic signal modifications and upgrades, collision replacements, adjustments to accommodate special events and film industry requests, as well as modification work to electrical traffic control devices to support road reconstruction, TTC track reconstruction and development activities. The contract quantities for these activities were estimated in 2005 by projecting workload activity for the term of the contract based on anticipated budget.

Throughout the term of the contract, increases in the volume of work were experienced in each year. Increase workloads were noted in the areas of road reconstruction, streetcar track reconstruction and water main replacement work which often impact the existing electrical traffic control device infrastructure. These activities require support under Contract 47010956, to modify, relocate and reinstate the traffic signal infrastructure to maintain safe operation for the public during and after these construction activities. In addition to this work, an increased workload was also experienced in the area of traffic signal modifications and infrastructure upgrades, accessible pedestrian signals and pedestrian crossover (PXO) enhancements. These activities include various changes to improve the operation of traffic signals and pedestrian crossovers.

The required contract increase is needed to process the final invoices for contract completion.

## **COMMENTS**

### **Reasons for increased costs**

The requested increase is based on an increase in the following activities:

#### **Road Construction Support**

There continues to be an increased need to support capital programs such as road reconstruction, streetcar track reconstruction and water main replacement projects that often impact the existing electrical traffic control device infrastructure. The services provided under Contract 47010956 are critical to support the timely completion of these construction activities and ensure the proper and safe of operation of the traffic signals. The increase in capital funding to deal with the backlog of road repair has resulted in additional electrical contract work being carried out under this contract. Although the electrical contract work is funded from available capital budget, the costs flow through the contract impacting the total contract expenditure.

#### **Traffic Signal Modifications and Infrastructure Upgrades**

Traffic Signal Modifications and Infrastructure Upgrades include various changes to the operation of traffic signals and upgrades to the existing infrastructure to meet current standards. Examples of these changes include advanced left turn green arrows, flashing “don’t walk” to support the installation of pedestrian countdown signals, traffic plant relocation and other general traffic signal timing adjustments carried out City-wide. Capital funding for these programs has been increased in order to deal with the backlog of requests. Although the electrical contract work is funded from available capital budget, the costs flow through the contract impacting the total contract expenditure.

## **Other Programs**

Accessible pedestrian signals (APS) and Pedestrian Crossover Enhancements are capital programs that have received recent Council approval for increased funding subsequent to the award of Contract 47010956.

### **Update on the City's Accessible Pedestrian Signals Retrofit Program**

<http://www.toronto.ca/legdocs/mmis/2008/pw/bgrd/backgroundfile-10400.pdf>

### **Pedestrian Crossover Review**

<http://www.toronto.ca/legdocs/2006/agendas/council/cc060523/wks3rpt/cl002.pdf>

### **Pedestrian Crossover Review (Part II) - Minor Arterial Roadways**

<http://www.toronto.ca/legdocs/2006/agendas/council/cc060925/wks6rpt/cl008.pdf>

As a result of these activities and in an effort to meet Divisional timeframes and commitments, City Staff authorized the contractor to complete the electrical contract work identified above.

Due to the increased volume of electrical contract work undertaken during the contract, the contract value amount has been exceeded. The cost of this additional work is \$908,333.96 net of G.S.T. All work under this contract has been completed. The amendment is now required to document final payment for work conducted under contract.

## **CONTACT**

Paul Nause, P. Eng.  
Manager, Traffic Plant Installation  
and Maintenance  
Telephone: (416) 392-5314  
e-mail: [paul\\_nause@toronto.ca](mailto:paul_nause@toronto.ca)

David Ferguson  
Manager, Construction Services  
Purchasing and Materials Management  
Telephone: (416) 392-7323  
e-mail: [dfergus4@toronto.ca](mailto:dfergus4@toronto.ca)

## **SIGNATURE**

---

G. Welsh, P. Eng.  
General Manager  
Transportation Services

---

Victor Tryl, P. Eng.  
Acting Director  
Purchasing and Materials Management