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CONSULTANT FEE INCREASE BATHURST STREET WATERMAIN AND ROAD RECONSTRUCTION PROJECT

The Transportation and Works Committee recommends the adoption of the recommendation contained in the following report, March 20, 2008, from the Commissioner of Environmental Services:

1. RECOMMENDATION

It is recommended that:

1. Approval be granted to increase The Municipal Infrastructure Group's fees for engineering services during the contract administration and site inspection phase of the Bathurst Street Watermain and Road Reconstruction project by \$250,000 plus GST, from the current purchase order amount of \$963,838 to \$1,213,838.

2. PURPOSE

The purpose of this report is to obtain Regional Council approval to increase the purchase order amount for the previously retained consulting engineer to complete additional work.

3. BACKGROUND

The Municipal Infrastructure Group was retained in 2004 to provide services for the Bathurst Street Watermain and Road Reconstruction Project

The Aurora and Newmarket Water Supply Assessment 1999 identified the need for the Bathurst Street Watermain to interconnect to the Northwest Elevated Tank in Aurora and the West Newmarket Reservoir. This watermain is approximately three kilometres of new 400 mm diameter watermain with a construction cost of approximately \$2.5 million.

The Aurora and Newmarket Water Supply Assessment 1999 also identified the need for the Bathurst Street Watermain from Clearmeadow Boulevard to Woodspring Avenue in the Town of Newmarket. This watermain is approximately 2.7 kilometres of new 400 mm diameter watermain with a construction cost of approximately \$2.6 million.

Bathurst Street is also being reconstructed from two lanes to five lanes between Wellington Street and Mulock Drive. The Class Environmental Assessment for the road

reconstruction project was completed in 2001. Bathurst Street road reconstruction from Wellington Street to Mulock Drive involves road widening from two lanes to five lanes with a construction cost of approximately \$9 million.

The Bathurst Street Watermain and Road Reconstruction Project between Wellington Street and Woodspring Avenue is currently under construction

The portion of the watermain between Woodspring Avenue and Clearmeadow Boulevard is nearing completion. Construction for the section of watermain between the Aurora North West Elevated Tank and the West Newmarket Reservoir has commenced.

Construction of the road will continue after winter shut-down.

4. ANALYSIS AND OPTIONS

The Municipal Infrastructure Group was retained originally to provide engineering services for the Bathurst Street Watermain and Road project from Wellington to Mulock including detailed design, contract administration and full time site supervision. This was subject of a Council report dated June 16, 2004. In 2006, the north portion of watermain on Bathurst Street between Clearmeadow Boulevard and Woodspring Avenue was added to the overall project. Additional contract administration, senior site inspection, and increased environmental inspection was also added to the scope of work. To ensure continuity and maintain the project schedule, the engineering services for this north piece of watermain was added to Municipal Infrastructure's scope of services.

As a result of the final design, and the increased complexity of this project, additional contract administration and site inspection are required

The additional contract administration services and senior site inspection were requested to accommodate the additional watermain installation requirements, the increased complexity of the design, the extended contract duration and the additional road works previously added to the original design. Additional environmental inspection was requested to provide additional inspecting and reporting to ensure compliance with requirements of regulatory agencies.

Since contract administration and inspection for the north piece of watermain was not part of the original scope of work for the Municipal Infrastructure Group, the \$250,000 increase will cover the cost of the additional work added to this project. Originally, this work was to be carried out by another consulting firm.

5. FINANCIAL IMPLICATIONS

The Municipal Infrastructure Group's assignment was to undertake the environmental assessment, detailed design and contract administration services for the Bathurst Street Watermain and Road Reconstruction Project at an upset fee of \$963,838. Given the necessary changes to the scope of work and the challenges in satisfying the water demand, we recommend that authorization be given to increase the purchase order for the Municipal Infrastructure Group to complete additional scope contract administration and site inspection services at a cost of \$1,213,837 excluding GST. Staff has reviewed the costs associated with the additional work and concur they are reasonable. Sufficient funds are available in the proposed 2008 budget.

Work to be Completed

The outstanding work to be completed is additional contract administration, site inspection and environmental inspection, which will bring the total project cost to \$1,213,838 plus GST. To meet this, approval from Council for an additional \$250,000 is respectfully requested.

6. LOCAL MUNICIPAL IMPACT

This work when completed will have a beneficial impact on the local municipalities of Aurora and Newmarket water servicing.

7. CONCLUSION

The Municipal Infrastructure Group is committed to completing this project in a timely manner; however, to accomplish the additional work, an increase in the current purchase order is necessary.

For more information on this report, contact Bala Araniyasundaran, extension 5131, Director, Capital Delivery of the Water and Wastewater Branch in the Environmental Services Department.

The Senior Management Group has reviewed this report.