
TO: CITY MANAGER **DATE:** 2010 October 26

FROM: DIRECTOR ENGINEERING **FILE:** 35000 40
Reference: Mar 2

SUBJECT: MARINE WAY AT NORTH FRASER WAY

PURPOSE: To seek approval of additional expenditure for engineering services for the Marine Way/North Fraser Way intersection improvement project.

RECOMMENDATION:

1. **THAT** Council approve the revised amount of \$377,000 plus HST under an existing Engineering Agreement E5-2009 with Associated Engineering (BC) Ltd. for engineering services in connection with the Marine Way/North Fraser Way project.

REPORT

Marine Way provides an important transportation link to the commercial and industrial areas in the Burnaby Big Bend area and it is also a component of the City's Major Road Network (MRN). Since 2008, the intersection of Marine Way and North Fraser Way has been identified in the City's Capital Program for upgrading to improve intersection safety and to create better access to the existing and future industrial developments in the North Fraser Way area. The scope of this capital project includes extending the left turn lane and constructing additional through lanes between North Fraser Way and Market Crossing.

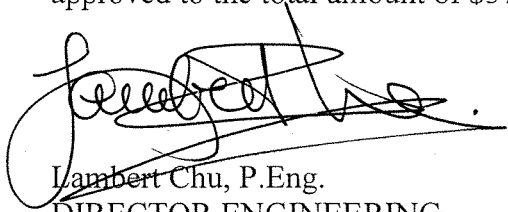
Associated Engineering (BC) Ltd., through a competitive process, has been retained by the City to provide design services for the Marine Way/North Fraser Way project for a fee of \$169,713 plus tax. As Marine Way is a component of the MRN, capital improvements to the road are qualified for up to 50% cost sharing under the Translink Minor Capital Program. Cost sharing agreements between the City and Translink for this project have been approved and put in place.

During the design phase of the project, the geotechnical investigation concluded that portions of Marine Way would need to be preloaded despite the fact that there had been some preloading done many years ago. Subsequently, additional design work and preload staging plans were developed to meet the geotechnical requirement for the project. Arising from the project scope changes, Associated Engineering has provided the City with a proposal to undertake the additional design, tendering and contract inspection and monitoring for the preloading work as well as the extra environmental work in connection with the preload. The additional fee for the geotechnical design plus the preload settlement monitoring and contract inspection for the preload phases is estimated to be approximately \$207,000 plus HST. Staff have reviewed the engineering proposal and concur that the expanded services meet the project requirements. The fee schedule submitted is reasonable and reflective of current market conditions. Based on the proposed fee adjustment, the revised total amount of the existing Engineering Agreement E5-2009 will be \$377,000 plus taxes.

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There are sufficient funds available within an existing expenditure bylaw previously approved by Council for the current phase of the project. The preload work is underway currently and will be completed by the summer of 2011. Portions of the project expenditure will be recovered from Translink under the cost sharing agreement. Funding for the final phase of road paving work will be the subject of a future report to Council in 2011 when the preloading phase is completed.

Based on the forgoing, it is recommended that the existing Engineering Agreement E5-2009 be approved to the total amount of \$377,000 plus HST as outlined in this report.



Lambert Chu, P.Eng.
DIRECTOR ENGINEERING

LJB/LSC:br

Copied to: Director Finance
Purchasing Manager
Contracts Clerk