
TO: CITY MANAGER **DATE:** 2012 June 04

FROM: DIRECTOR ENGINEERING **FILE:** 35000-20
*Reference: Fraser Foreshore Dyking
Reach 9*

**SUBJECT: FRASER RIVER FORESHORE DYKING PROJECT REACH 9
ENGINEERING AGREEMENT E20-2012**

PURPOSE: To seek Council approval to award an engineering assignment for engineering services related to the Fraser River Foreshore Dyking Project - Reach 9

RECOMMENDATIONS:

1. **THAT** Council approve the award of the engineering consulting assignment for the the Fraser River Foreshore Dyking Project - Reach 9, as outlined in this report.

REPORT

1. BACKGROUND

Council, at its regular meeting of 2012 February 06, received a staff report that provided an overview of a Building Canada Fund – Flood Protection Program grant for the ongoing Fraser River Dyke rehabilitation project. The grant, up to a maximum of \$3.36 Million in federal/provincial funding, is available for upgrades to several reaches of Fraser River Dyke in the Big Bend area. The Dyking Improvement Program will span over two construction years, and must be completed by 2014 February.

2. DISCUSSION

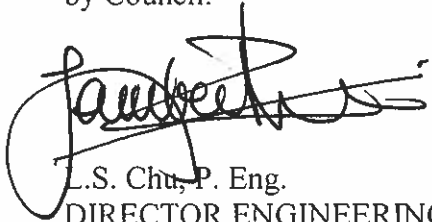
As part of the engineering design process for Reach 9 (Boundary Road to Glenlyon Creek, as shown on the *attached sketch*), staff requested proposals for project engineering services from four consulting firms; Associated Engineering, EBA, Kerr Wood Leidal and ISL Engineering. The scope of services includes detailed engineering design and construction administration for the proposed improvements to Reach 9. Reach 9 is the western most segment of dyke within Burnaby and has no constructed dyke sections. Although a majority of buildings and structures are built to flood protection elevations, new dyke structures and floodwalls are required to address future sea level rise and to meet best practices for dyke and seismic design to enhance flood protection for existing development.

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The engineering proposals were reviewed with regard to project team experience, work methodology, past performance and cost effectiveness. The review indicated that Associated Engineering provides the best overall proposal and its proposal is competitive with respect to current market conditions. It is our recommendation, therefore, that this engineering assignment be awarded to Associated Engineering, at a total estimated cost of \$352,000, including all fees, disbursements and HST. The Purchasing Manager concurs with this recommendation. The project design and tendering process is scheduled to be completed by November/December with construction commencing early next year.

This project is included in the Storm Drainage component of the 2012 – 2016 Capital Program and sufficient capital reserve funds are available within the project budget previously approved by Council.



L.S. Chu, P. Eng.
DIRECTOR ENGINEERING

CW/br
Attachment

Copied to: Director Finance
Director Parks, Recreation & Cultural Services
City Solicitor

