
CITY OF KELOWNA

MEMORANDUM

Date: March 19, 2002
File No.: 5340-07

To: City Manager

From: Wastewater Manager

Subject: Award of Consulting assignment – Byrns/Baron Trunk Sanitary Sewer Main

RECOMMENDATION:

THAT Associated Engineering (BC) Ltd. be engaged to perform the design and construction engineering services for the Trunk sanitary sewer project for the estimated amount of \$357,232 which includes engineering services, geotechnical work and GST.

BACKGROUND:

The Byrns/Baron Trunk sewer is one of the largest trunks remaining to be installed to serve both existing and future development. This is a DCC Trunk Sewer project, which is estimated at approximately \$4.6 Million. Our present trunk sewer, called the North East trunk, has now reached its allowable limit of flows and a new trunk is required. The new trunk sewer will initially transport flows that will be redirected from the Highway 97 trunk sewer. Construction is to commence on Byrns Road near Burtch Road and proceed eastward on Byrns to Benvoulin Rd. There will then be construction up Benvoulin Rd., along Springfield Rd. and Dilworth Drive to Baron Road. Installation will continue up Baron Road to Ziprick, then to Terai and cross Hwy.33 near Mills Rd, which the sewer follows until it intercepts the Hwy.97 trunk at the intersection of Hwy.97 and Mills Road (near Office Depot). The final leg of the sewer will be required in approximately 5 years and will extend east from the Wastewater Treatment Facility, down Raymer Ave and north on Gordon Drive and east to Byrns Road to connect to the trunk installed during this project.

The complete assignment involves some preliminary investigation and the detailed design work and construction engineering services required to design, coordinate and supervise construction during the installation of Trunk main which is estimated to be approximately 750mm in diameter and about 5.5 km in length.

The Wastewater Division prepared Terms of Reference to define the requirements of the project. Proposals were requested from five consulting engineering firms and four proposals were received. A review team evaluated the proposals and points were awarded based on the Consultants project team, methodology, historical performance and project fees. The summary of the results of the engineering component of costs is as follows:

.../2

To: City Manager
Re: Byrns/Baron Trunk Sanitary Sewer Main

- 2 -

March 20, 2002

CONSULTANTS

	Associated Eng.	D. E. Pilling & Associates	Earthtech	Stantec	Urban Systems
Fees	\$282,128	\$293,270	\$220,510	Declined	\$284,981
TOTAL points	89.7	80.3	82.1	n/a	88.2

The amounts shown are for the engineering services only, because we anticipate the costs of the geotechnical component should be consistent between Consultants since our requirements in this area are expected to be the same regardless of the prime consultant chosen.

All consultants were provided with the rating criteria within the Terms of Reference. Associated Engineering was determined to be the most qualified consultant that provided the best service for the price and will address project issues such as property owner input, access during construction and traffic control in the most effective manner. The lower cost proposal did not address these issues in a manner that we believed would be as acceptable by the affected residents and business owners.

We intend to have Associated Engineering proceed immediately with the detailed design work and construction services to supervise the trunk sewer main installation. Construction of the first phase of this work is anticipated to start in July or August of this year and is expected to get the sewer installed from Byrns Road to a location near the Orchard Park Mall. The second phase of this assignment will commence next year and proceed northeast to intercept the Highway 97 trunk at Mills Road.

W.J. Berry, P.Eng.
Wastewater Manager

John Vos
Director of Works & Utilities

WJB/ms