

# Memo



**Date:** Sep 14/09  
**File:** 5370-20  
**To:** City Manager  
**From:** Joel Shaw, P.Eng., Manager Utility and Building Projects, Design and Construction Services  
**Subject:** Brandt's Creek Tradewaste Treatment Plant Lift Station and Foremain Construction Contract

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## Recommendation:

That Council receive, for information, the report of the Utility and Building Projects Manager, Design & Construction Services, dated September 14, 2009 with respect to awarding the contract for construction of the Brandt's Creek Tradewaste Treatment Plant Lift Station and Foremain (BCTWTP).

AND THAT the construction contract for the BCTWTP Lift Station and Foremain be awarded to Peter Bros. Construction Ltd. for the amount of \$ 945,962.85, which includes GST and a \$75,000 contingency.

AND THAT a budget transfer of \$52,000 be authorized from the Bernard Ave Utility Upgrade Project (Project Code 21155) to this project.

AND FURTHER THAT the Mayor and City Clerk are authorized to execute the Contract on behalf of the City.

## Background:

The BCTWTP treats wastewater from two food and beverage-related industries - SunRype Products and Canrim Packaging Ltd. (the Industries). The BCTWTP, which was constructed in 1973 and upgraded in 1986, was designed to discharge treated effluent to Brandt's Creek. As a result of increased flow and loading, the plant is unable to consistently achieve the effluent quality to allow creek discharge and the effluent is often discharged to the municipal sanitary sewer system. The City has been working with the Industries for several years to come to an agreement for upgrades to the plant that would improve effluent quality and provide a better system for conveying the effluent from the plant to the City sewer system. An agreement was signed and approved by Council in February 2009 which outlines the upgrades to BCTWTP.

The upgrades can be broken down into the following two main tasks:

- Upgrade treatment plant
- Construct onsite effluent lift station and install approximately 1100 m of forcemain from the lift station south along Ethel St to the tie-in north of Bernard Ave.

The construction contract for the effluent lift station and forcemain is the subject of this Council recommendation. The Upgrades to the plant will be tendered through a separate contract in November of this year.

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The limits of construction of the lift station and forcemain are shown in Figure 1. The lift station will be located on the plant site where it will receive treated effluent from the treatment plant. The forcemain will be constructed from the lift station south down Ethel St for a distance of approximately 1100 m to its tie-in point north of Bernard Ave.

The construction work for this contract is anticipated to commence in late September and is expected to be completed by March 31, 2010. The forcemain construction along Ethel St. is the first phase of construction and is scheduled for completion by the end of November.

In response to the City's invitation to Tender TE-09-07, three (3) bids were received, as tabulated below:

Contractor	Total Bid (incl. GST)
Peters Bros. Construction Ltd.	\$945,962.85
Hayter Construction Ltd.	\$1,102,262.70
Iona Contracting Ltd.	1,470,876.75

Our Consultant has reviewed the bid submissions, checked the arithmetic accuracy and provided the City with a tender analysis, a list of the corrected bids and a recommendation to award this contract to Peter Bros. Contracting Ltd. (see attached recommendation).

#### **Financial/Budgetary Considerations:**

The tender price is within the approved budget for this work and will be charged to project code 239603. The Industries have entered into a Local Area Service Agreement with the City and the applicable project costs will be recouped by the City over a 15 year term by means of an annual levy on their property taxes. Approximately \$52,000 of this tender price will be used to deepen the lift station beyond what was required by the Industries. Deepening the lift station will provide the City with the option in the future to reroute sanitary sewer to this lift station and abandon two existing lift stations in the area. The City and Industries agreed that this additional work should be paid for separately by the City. Funds required to complete the deepening will be transferred from the Bernard Ave Utility Project which is now complete and did not utilize its entire 2009 Budget.

#### **Considerations not applicable to this report:**

Internal Circulation:

Legal/Statutory Authority:

Legal/statutory Procedural Requirements:

Existing Policy:

Personnel Implications:

Technical Requirements:

External Agency/Public Comments:

Communications Considerations:

Alternate Recommendation:

Submitted by:



J. Shaw, Manager Utility and Building Projects, Design and Construction Services

Approved for inclusion:



J. Vos, General Manager - Community Services

cc: Director, Design and Construction Services  
Manager, Purchasing



**Stantec**

**Stantec Consulting Ltd.**  
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September 14, 2009  
File: 1127-20212

City of Kelowna  
Design & Construction Services  
1435 Water Street  
Kelowna, BC V1Y 1J4

**Attention: Joel Shaw, P.Eng.**

Dear Sir:

**Reference: City of Kelowna – BCTTP – Phase 1 Lift Station & Forcemain  
Tender Review and Recommendation**

We have reviewed the tenders for the above-mentioned project that closed Thursday, September 10, 2009 at 3:00 p.m. There were three bidders with the following results:

<b>Contractor</b>	<b><i>Total Tender Price*</i></b>
1. Peters Bros. Construction Ltd.	\$ 900,917.00
2. Hayter Construction Ltd.	\$1,049,774.00
3. Iona Contractors Ltd.	\$1,400,835.00

\* Prices include amendments but do **NOT** include GST

All tenderers had the appropriate bid bond, letter of surety and acknowledgment of receiving Addendum 1 to 7.

There was approximately \$499,918.00 spread between the lowest and highest bidders. Peters Bros Construction Ltd. had the lowest total tender price. Peters Bros Construction Ltd. has experienced superintendents, labourers, operators and equipment to complete the works as specified in the tender documents. The Tender Price of \$900,917.00 is within the Engineer's Estimate.

**Stantec**

September 14, 2009  
Joel Shaw, P.Eng.  
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**Reference: City of Kelowna – BCTTP – Phase 1 Lift Station & Forcemain  
Tender Review and Recommendation**

We recommend the award of this contract to Peters Bros Construction Ltd. for the Total Tender amount of \$900,917.00 (GST excluded).

We have enclosed the Tender Comparison sheets of all bidders for your records. We will await your further instruction in preparing contract documents.

If you have any questions or require further information in this regard, please contact the undersigned.

Sincerely,

**STANTEC CONSULTING LTD.**



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Attachment



Scale 1:10,000  
Date September 2009

# FIGURE 1.0

