

Date: March 1, 2010



TO: Board Members – Vancouver Park Board
FROM: General Manager – Parks and Recreation
SUBJECT: Contract Award P2010-07 SP Sanitary Lift Stations

RECOMMENDATION

- A.** *THAT, subject to Recommendations B, C and D, the Board enter into a contract with Dayton & Knight Ltd. in the amount of \$204,815.00, plus applicable GST/HST, for Design Engineering - Stanley Park Sanitary Lift Stations as detailed in this report;*
- B.** *THAT the contract be on the terms and conditions outlined in this report and on such other terms and conditions as are approved by the General Manager of the Park Board in consultation with the Director of Legal Services;*
- C.** *THAT, upon approval of the contract by the General Manager of the Park Board in consultation with the Director of Legal Services, the General Manager of the Park Board be authorized to execute the contract on behalf of the Board;*
- D.** *THAT no legal rights shall arise hereby, and none shall arise until execution of the contemplated contract, and the Board reserves the right to rescind this resolution at any time up to the execution and delivery of the contemplated contract by the General Manager of the Park Board.*

POLICY

Consultant contracts over \$30,000 are awarded by the Board.

BACKGROUND

The approved Federal Infrastructure Stimulus Funds project includes the rehabilitation of sanitary lift stations in Stanley Park at a total cost of \$1 million (50% by Federal government). These stations handle the sanitary flows from washrooms, concessions and restaurants within the park.

The Federal funding is contingent on completing the work by March 2011. There is extensive engineering and design work required prior to issuing specifications and drawings for construction tender.

The station at Brockton Oval was replaced in 2001, the plan being to continue this process with the remaining lift stations (Second Beach, Prospect Point, Lumberman's Arch, Third Beach) as budgets became available within the Capital Plan. The availability of Federal Stimulus Funding has allowed the schedule for this plan to be accelerated.

DISCUSSION

The existing sanitary lift stations in Stanley Park are operating near the end of their service lives and are approaching a point at which they will no longer be able to operate, due to a combination of wet well condition, mechanical, electrical and control issues. The stations are not capable of being monitored remotely, equipment failures would result in spills around the lift station sites and contamination of storm water drains.

The consultant will provide comprehensive design engineering services that will, in a phased approach:

- Review the sanitary lines (both gravity and force main), forecast flows, establish station capacity based on the flow forecasts and carry out a radio path study (for Supervisory Control And Data Acquisition).
- Provide pre-design engineering to identify budget costs for each station and assist the Park Board in establishing a priority list for replacement.
- Provide drawings and specifications for Tender and assist in the tendering process.
- Provide construction inspection and commissioning.

Following the pre-engineering and costing phase, the extent of construction that can be achieved with the \$1.0 million envelope will be determined. Detailed engineering work will only be done for those pumpstations that can be accomplished within the available funds. The consultant submissions received are based on providing full design services for the 4 stations. In the event that fewer than 4 stations can be implemented, the contract price will be adjusted downwards.

The construction schedules will be carefully phased to cause minimum impact to park patrons, most of the work will be carried out in the fall and early winter of 2010.

City of Vancouver Engineering (Sewers and Drainage Design) is engaged in a similar scope of lift station replacement and they are aware of this project. Their expertise and experience will be utilised to ensure that standardisation of systems across the City and Park Board is maximised.

Tenders were received from the following contractors:

Company	Price
Dayton and Knight Ltd.	\$204,815
ISL Engineering and Land Services Ltd.	\$211,570
Kerr Wood Leidal Associates Ltd.	\$252,317
Stantec Consulting Ltd.	\$258,082
Genivar	\$337,541

SUMMARY

Staff recommend that Design Engineering - Stanley Park Sanitary Lift Stations be awarded to Dayton & Knight Ltd. for the sum of \$204,815.00.

Funds are available for this amount from the Capital Plan and Infrastructure Stimulus Fund.

Prepared by:

Planning and Operations
Vancouver Board of Parks and Recreation
Vancouver, BC
/IDH