

TO: CITY MANAGER
DATE: 1999 JUNE 17

FROM: DIRECTOR PARKS, RECREATION AND CULTURAL SERVICES

SUBJECT: **BARNET MARINE PARK CENTRAL AND WEST AREA CONTRACT AWARD FOR CONSULTING SERVICES**

PURPOSE: To request Council to award the contract for consulting services for the design of Barnet Marine Park Central and West Area to Sandwell Engineering Incorporated.

RECOMMENDATION:

1. THAT the contract for consulting services for the design of Barnet Marine Park Central and West Area be awarded to Sandwell Engineering Incorporated.

REPORT

At its meeting of 1999 June 16, the Parks and Recreation Commission received the attached staff report on the above subject and adopted the recommendation contained therein.



KATE FRIARS
DIRECTOR PARKS, RECREATION
AND CULTURAL SERVICES

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Attachment
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cc: Purchasing Agent
City Solicitor
Director Finance
Director Planning and Building
Director Engineering

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FOR CONSULTING SERVICES**

RECOMMENDATION:

1. THAT Commission request Council to award the contract for consulting services for the design of Barnet Marine Park Central and West Area to Sandwell Engineering Incorporated.

REPORT

BACKGROUND:

At its meeting of 1999 February 03, the Parks and Recreation Commission received a report concerning the conceptual design and approval process for the west portions of Barnet Marine Park. Studies had been commissioned to conceptually study the shoreline stabilization, design of the central and west portion of Barnet Marine Park, and for the feasibility of a second railway overpass for urban trail access to the west. The concepts responded to the sensitive habitats and valuable natural features of the site.

Pre-application meetings were held with the approving authorities including the Vancouver Port Authority (VPA), and the Burrard Environmental Review Committee (BERC). Positive comments were received on the intent of the first phase plans. The next steps were for public consultation and completion of detailed environmental studies, plans and specifications for the central and west foreshore area suitable for formal permit application. Commission and Council have approved the expenditure of \$321,000 (inclusive of 7% GST) from the 1999 Capital Budget for the second phase consultant study.

On 1999 March 10 at Lochdale Hall, the Commission hosted the first Open House for comment on the concept plans to date. Results of the Open House from over 100 in attendance, were reported at the Commission meeting of 1999 May 05 and will provide useful input into phase two plan evolution.

Concurrently, proposals for a consultant team with expertise in engineering, environmental assessment and marine park planning and design were requested. An interdepartmental committee of staff from Planning, Engineering and the Parks Department, reviewed the six proposals received. Four firms were short listed for interview. Interviews included representation by the Project Manager and all key sub-consultant members of each team.

This report recommends the consultant team chosen for phase two work, and defines the next steps in the design and approval process for Barnet Marine Park.

CONTRACT AWARD FOR CONSULTING SERVICES:

The bids were evaluated according to a number of criteria identified in the terms of reference including previous experience of the firms, methodology, total man-hours, level of effort by each discipline and a demonstrated understanding of the nature and complexity of the work involved.

The firms interviewed were:

Westmar Consultants Incorporated	\$326,005
Hay and Company	\$298,848
Sandwell Engineering Incorporated	\$271,178
Cochrane Engineering Limited	\$264,387

The staff committee were unanimous in selecting the group headed by Sandwell Engineering Incorporated. The project team includes the following assemblage of consultants:

Prime Consultant:

- Sandwell Engineering Inc.

Sub-consultants:

- Phillips Farevaag Smallemberg Inc.
- EVS Environment Consultants
- R.U. Kistritz Consultants
- AXYS Environmental Consultants
- Golder Associates
- Levelton Engineering Ltd.
- Butler Sundvick and Associates

The scope of work and study task proposal of Sandwell Engineering highlighted an extremely comprehensive, organized approach combined with the flexibility to liaise and workshop throughout the process with the various stakeholders and approving authorities.

The project manager is educated in coastal engineering as well as having worked on numerous maritime engineering projects. The project manager has committed considerable hours compared to other bids which is necessary for the complexity of this project. The communication between project manager and sub-consultant representatives exhibited at the interview revealed a team of considerable expertise and collective enthusiasm where creative problem solving is encouraged. It is anticipated this will lead to a more unique and opportunistic design treatment of this civic marine park.

The team includes the expertise of Levelton Engineering Solutions bringing considerable experience on all aspects of inspecting, testing and evaluating the use of concrete. The manipulation of existing concrete rubble fill used at Barnet Marine Park is a very important consideration for the next design phase.

Staff have had positive working experience with the Marine Environmental Consultant, Ron Kistriz, on the Stoney Creek Stormwater Management Study, and with the Inland Environmental Consultant team of AXYS on the Burnaby Mountain Conservation Area Management Plan. The knowledge possessed by AXYS and Phillips Farevaag Smallemberg Planning and Landscape Architecture from the Burnaby Mountain Conservation Area Management Plan brings unique insight and familiarity into the contextual issues affecting Barnet Marine Park and the Urban Trail.

The sub-consultant Golder Associates possesses the most direct experience for geotechnical investigations in this vicinity.

The total fees and disbursements for Sandwell Engineering Incorporated is \$290,160 (including 7% GST). Their bid was second lowest of the four short listed.

Sandwell, has suggested the supplemental work of a hydrographic survey for the shoreline at a cost of \$24,610 (including 7% GST). This very detailed survey utilizes state of the art multi-beam image sounding and satellite technology to provide horizontal accuracy of less than 1 metre. The end product of such detailed mapping will be highly advantageous in evaluating, modifying and defending intertidal and subtidal use decisions with the approving authorities. It is recommended that the hydrographic survey be added to the consultant fees to total \$314,770 (including 7% GST).

The Purchasing Agent concurs with the recommendation to award the contract for consulting services for the design of Barnet Marine Park Central and West Area, including hydrographic survey, for a total of \$314,770 (including 7% GST) to Sandwell Engineering. Council is requested to concur.

NEXT STEPS:

Upon Council approval of funding, staff will meet with the consultant team to initiate the project. It is intended to present preferred plans accommodating results from the consultant team, public input to date, and further stakeholder input, at a second public Open House this fall. The Vancouver Port Authority and various agencies represented on the Burrard Environmental Review Committee will be involved and consulted through meetings and workshop sessions along the process.

Working drawings will be prepared to 90% completion for all aspects of the project requiring VPA and BERC approval. Those features not requiring approval will be designed to a preliminary level of detail. As such, phase three final working drawings will be required under a final contract prior to initiating construction.

Should any new evidence arising from detailed site and geotechnical investigation or soil contamination be found, additional analysis may be required. With this in mind, and with uncertain time frames of the approving authorities, completion of this contract is tentatively scheduled for year end, but may well extend longer.

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cc: Purchasing Agent
City Solicitor
Director Finance
Director Planning and Building
Director Engineering

