

September 7, 2004

Honorable Mayor and Members of
The Hermosa Beach City Council

Regular Meeting of
September 14, 2004

**PROJECT NO. CIP 03-418 SEWER IMPROVEMENTS
UPGRADE OF SEWAGE LIFT STATIONS**

Recommendation:

It is recommended that the City Council:

1. Award Professional Services Agreement to Advanced Applied Engineering, Inc. (AAE) to provide design and engineering services for CIP No. 03-418 Sewer Improvements - Upgrade of Sewage Lift Stations Citywide in the amount of \$38,393;
2. Authorize the Mayor to execute and the City Clerk to attest the attached Professional Services Agreement subject to approval by the City Attorney; and
3. Authorize the Director of Public Works to make changes to the agreement up to \$4,000.

Background:

Project No. CIP 03-418 Sewer Improvements – Upgrade of the Sewage Lift Stations at Ingleside Street at 33rd Street and 35th Street at the Strand is budgeted in this fiscal year for design. Proposals were requested to provide detailed plans and specifications for the upgrade of the 33rd and Ingleside Sewage Lift Station. Staff received a proposal from Brockmeier Consulting Engineers and AAE in the amount of \$44,290 and \$32,649, respectively.

The basic infrastructure is already in place and the project scope is replacement of electrical and mechanical components within the existing facilities. Because of this fact staff decided to have the consultant prepare only schematic plans and detailed specifications which will require the construction contractor to provide the shop drawings necessary for installation of the equipment and conduits. AAE stated that this is very standard practice for this type of work and this approach reduced the design fees by approximately 50%.

Staff has selected AAE and negotiated a design fee of \$38,393 to provide professional design services for both of the sewage lift stations. AAE has extensive experience in wastewater pump station design engineering.

Analysis:

The Scope of Services in AAE's proposal consists of the following:

Task 1: Project Site Survey, Initial Evaluation, and Data Collection

Conduct a project site survey and perform an initial evaluation to determine existing conditions. Information will be compiled and calculations performed to determine equipment selection and components.

Task 2: Plans

Prepare conceptual drawings showing plan and section for each sewage lift station based on the evaluation in Task 1.

Task 3: Specifications

Prepare technical Design-Build provisions pertaining to each sewage lift station. These documents will require the Contractor to submit additional details and manufacturer's data for approval prior to beginning work.

Task 4: Cost Estimate

Prepare an Engineer's cost estimate for anticipated construction costs associated with the proposed conceptual design.

Task 5: Meetings and Coordination

Meet with City staff for coordination of project (phone discussions, emails, faxes, etc.) and at key points during the design process.

Task 6: Engineering Support

Provide engineering and inspection services during construction. This will include three site visits; a project walk-thru meeting, one designated inspection at specified completion points; and a meeting for the final punch list review. This also includes responding to a limit of five Contractor RFI's, reviewing the Contractor's shop drawings and preparation of the final punch list.

The complete Scope of Services can be found in Exhibit A of the attached Professional Services Agreement.

Fiscal Impact:

Funding is available in the project budget.

Attachment: Professional Services Agreement

Respectfully submitted,

Concur:

Frank J. Senteno
Assistant Engineer

Richard D. Morgan, P.E.
Director of Public Works/City Engineer

Noted for Fiscal Impact:

Concur:

Viki Copeland
Finance Director

Stephen R. Burrell
City Manager