

City of Brisbane Agenda Report

TO: Honorable Mayor and City Council

FROM: Director of Public Works/City Engineer via City Manager

SUBJECT: Amendment to Brown and Caldwell Professional Services Agreement for Hydraulic Modeling

DATE: October 18, 2010

City Council Goals:

To design infrastructure and public facilities to be efficient, cost effective and to contribute to the cohesion and character of the community. (#2)

Purpose:

To obtain Council's approval for an amendment to an Agreement; the recommended action is consistent with the community's value of ensuring the highest water quality.

Recommendation:

Authorize the Director of Public Works/City Engineer to sign Amendment A-2010 with Brown and Caldwell on the city's behalf.

Background:

The City entered into an Agreement for Professional Services (PSA) with Brown and Caldwell in October 2001 for the purpose of completing an engineering study on the city's water and sewer systems. One of the work products of this PSA was development of a calibrated hydraulic model that serves multiple purposes, including optimization of the water systems daily operations.

Since the completion of that model several important changes have taken place that make the existing model suboptimal; the introduction of chloramine as a replacement disinfectant for chlorine greatly complicates the calculations of water "turnover" time; the model created based on year 2000 compatibilities is significantly outdated and requires updating and recalibration; and finally, changes approved to the Vesting Tentative Map for the final phase of the Northeast Ridge project have created the need for a very focused hydraulic model to establish proper operating parameters for the different operating zones to be established within that project.

Discussion:

Brown and Caldwell provided and installed the original model, and is familiar with the city's water system as a result of their development of the 2003 Water Master Plan. No other consultant was asked to provide a proposal for the work described in the attached Amendment.

All of the work described in the scope of services will be paid by Brookfield Homes. The city has already received the check for \$28,000 to pay for the work.

The City Attorney has reviewed the proposed Agreement and approved it.

Fiscal Impact:

There is no direct cost to the city as a result of the recommendation.

Measure of Success

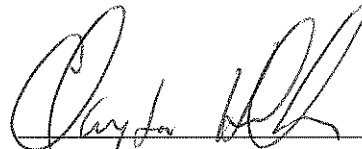
Installation of an updated and calibrated hydraulic model that allows city staff to optimize daily water system operations.

Attachments:

- Proposed Amendment A-2010
- October 9, 2001 PSA



Director of Public Works/City Engineer



City Manager

A copy of supporting materials provided to the City Manager and Council Persons in connection with this agenda item is available for public inspection and copying at 50 Park Place, City of Brisbane Department of Public Works, Brisbane, CA, 94005, Telephone: (415) 508-2130.