



Agenda Item #: _____

Staff Report

City of Manhattan Beach

TO: Honorable Mayor Aldinger and Members of the City Council

THROUGH: Geoff Dolan, City Manager

FROM: Jim Arndt, Director of Public Works
Dana Greenwood, City Engineer

DATE: December 4, 2007

SUBJECT: Amendment to Professional Services Contract with Control Automation Design, Inc. for an Additional not-to-exceed fee of \$40,000 for Water System Instrumentation and Programming; Approve Supplemental Appropriation of \$40,000 from Water Fund Reserves

RECOMMENDATION:

Staff recommends that the City Council approve an amendment to a professional services contract with Control Automation Design, Inc. (CAD) in the amount of \$40,000 to provide additional instrumentation and SCADA programming for the water system and approve an appropriation of \$40,000 from Water Fund Reserves.

FISCAL IMPLICATION:

The proposed expenditures for these additional professional services are not currently included in the City's Capital Improvement Program budget. It would therefore be necessary to approve an appropriation of \$40,000 from Water Fund Reserves for this work.

DISCUSSION:

Background

The City is currently in the process of wrapping up a project with Brockmeier Consulting Engineers (Brockmeier Project) that included replacing the remaining Remote Terminal Units (RTUs) with Programmable Logic Controllers (PLCs) at the City's sewer lift stations, two well sites, two water pressure booster stations, and a water pressure monitoring station. Also as part of this project, the City is migrating to two Rockwell Systems programs, RS Logic and RS View, as the new Supervising Control and Data Acquisition (SCADA) platform.

The City's water plants at Block 35 and Peck Reservoir, along with the MWD turnout (located at the intersection of Redondo Avenue and Manhattan Beach Boulevard) were not included as part of the Brockmeier project. The RTUs at these three sites had been replaced with PLCs as part of an earlier contract. A different SCADA program (Citect) had been installed at those three sites

because that program was capable of communicating with the PLCs being installed and the rest of the City's water system which still relied on RTUs.

Once the RS Logic and RS View programs were selected as the final SCADA programs, a decision was made during the Brockmeier project to utilize the services of a different consultant, Control Automation Design, Inc. (CAD) to perform the conversion at these three sites. This was done instead of issuing a change order to the Brockmeier project because the programming at the three sites was more complicated. It was felt that the programming and instrumentation capabilities of CAD was far superior to the programming capabilities of the subconsultant on the Brockmeier project.

A professional services contract was subsequently entered into with CAD on a time and material basis for a fee not to exceed \$20,000. Once work started at these three sites, however, it became apparent that extensive rewiring of the PLCs at the three sites would be necessary to insure that the programming and wiring configuration was consistent with the other sites in the City's water, sewer and storm drain system. Staff is therefore recommending that an additional \$40,000 be added to the not-to-exceed fee to complete wiring modifications and programming at these three sites.

xc: Bruce Moe, Director of Finance
Robert V. Wadden, Jr., City Attorney
Bob Erikson, Water Supervisor
Henry Mitzner, Controller
Sande Johnson, Accounting Technician