

SECOND AMENDMENT TO THE AGREEMENT WITH
ENGINEERING ECONOMICS, INC. FOR COMMISSIONING SERVICES
SAN MATEO COUNTY HEALTH CENTER, DIAGNOSTIC AND TREATMENT BUILDING
PROJECT NO. P1701

This Amendment to Agreement, made and entered into this _____ day of _____, 2002, by and between the COUNTY OF SAN MATEO, a political subdivision of the State of California, hereinafter called the County, and Engineering Economics, Inc., hereinafter called Contractor.

WITNESSETH

WHEREAS, on August 7, 2000, the parties hereto entered into an Agreement for commissioning services for the San Mateo County Health Center, Diagnostic and Treatment Building in the amount of \$79,930,

WHEREAS, the Agreement was an estimate of services to be needed and required and

WHEREAS, it is necessary to increase the amount of the contract to include additional commissioning work,

NOW, THEREFORE, the County and the Contractor agree to:

Increase the maximum not-to-exceed total payment by \$17,250 for services of Contractor from \$113,930 to \$131,180. EEI is authorized to commence additional commissioning in accordance with their proposal dated October 23, 2001, included herein as Exhibit "A". Any work beyond this will require authorization by the County. Travel costs and reimbursables are included in this proposal.

In all other respects, the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have affixed their hands on the day and year first above written.

Consultant Signature

Consultant Tax I.D. No.
or
Social Security Number

Engineering Economics, Inc.
780 Simms Street, Ste. 210
Golden, CO 80401

COUNTY OF SAN MATEO

President, Board of Supervisors

ATTEST:

John L. Maltbie
Clerk of the Board

This contract is not valid until
signed by both parties.

October 23, 2001

Mr. Jim Sowerbrower
San Mateo County Health Center
Capital Projects Division
455 County Center, 5th Floor
Redwood City, CA 94063

Re: San Mateo Medical Center
Diagnostic and Test Commissioning – Additional Services
EEI Project No. 01-00113

Dear Jim:

The following is a proposal to complete some additional commissioning services for the Diagnostic and Test Addition.

SCOPE OF WORK

The project components include the following:

Testing

- Test the revised control sequences for the 5 existing air handlers, to be retrofitted with new variable speed drives.
- Take sample air flow readings from the terminal units to determine if the new higher static pressures have impacted the air delivery from the boxes. All boxes were tested at the time of the original installation, with a balancing report submitted to OSHPD. We will sample test to determine if these flows have been altered with the revised fan configurations. For this work, we will take readings only. Rebalance, if needed, will be addressed as a separate issue.
- Take chilled water flow measurements at each of the air handlers to identify the actual flows of chilled water after correction of the chilled water piping revisions for this wing. Rebalance as necessary.
- Prepare reports and project communications as necessary relative to the test work.

Corrective Actions

- Analyze the results of all the above, and prepare a corrective items list. For all repair and maintenance work, the hospital will implement repairs from this list. If construction is required, that will be a separate list that may or may not require design/bid documents.

Mr. Jim Sowerbrower
October 23, 2001
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- Remain available and involved to consult on any revisions. This includes expediting work packages as necessary.
- Retest, if needed for one additional test. More than one additional test will be handled separately.

FEE PROPOSAL

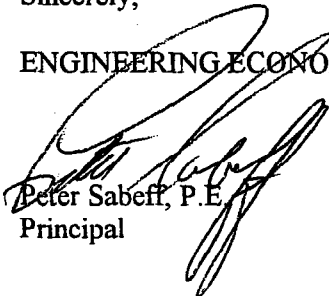
We propose to work on the above projects on a time-and-expense basis, not to exceed \$17,250. This is inclusive of all expected costs, and incorporates all additional functional testing work done to date under the original contract, plus amendments.

SCHEDULE

Our work will commence as soon as the variable speed drives are installed and functioning.

Sincerely,

ENGINEERING ECONOMICS, INC.



Peter Sabeff, P.E.
Principal