

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
ACTION AGENDA SUMMARY

DEPT: Chief Executive Office

BOARD AGENDA # *B-5

Urgent Routine

AGENDA DATE: February 16, 2010

CEO Concurs with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval to Amend the Contract with Miller-Pezzoni and Associates, Inc. of Modesto, California to Perform an Arc Flash Study of the High Voltage Electrical Panels for the Strategic Business Technology Data Center Improvements

STAFF RECOMMENDATIONS:

Approve an amendment to the contract with Miller-Pezzoni and Associates, Inc. of Modesto, California to perform an Arc Flash Study of the high voltage electrical panels.

FISCAL IMPACT:

On January 12, 2010, the Board approved to award a contract for the design and scoping phase for the Strategic Business Technology Data Center improvements to Miller-Pezzoni and Associates, Inc. of Modesto, California for the lump sum amount not to exceed \$99,200.

(Continued on Page 2)

BOARD ACTION AS FOLLOWS:

No. 2010-083

On motion of Supervisor DeMartini, Seconded by Supervisor Monteith
and approved by the following vote,
Ayes: Supervisors: O'Brien, Chiesa, Monteith, DeMartini, and Chairman Grover
Noes: Supervisors: None
Excused or Absent: Supervisors: None
Abstaining: Supervisor: None

- 1) X Approved as recommended
- 2) _____ Denied
- 3) _____ Approved as amended
- 4) _____ Other:

MOTION:



ATTEST: CHRISTINE FERRARO TALLMAN, Clerk

File No.

FISCAL IMPACT: (Continued)

Since that time, staff have determined that the high voltage panels have not been studied and labeled for Arc Flashes as required by recent changes to CAL-OSHA regulations. Staff recommends the Arc Flash study and labeling be completed at this time and funds are available within the project budget for this safety work to be completed anticipated not to exceed \$8,400.

The total estimated cost for the scoping phase of the project approved by the Board on October 6, 2009 was \$162,602. Recommendations for final scope, design and actual cost estimates will be returned to the Board of Supervisors prior to seeking bids for construction.

DISCUSSION:

Background

On September 11, 2007, the Stanislaus County Board of Supervisors approved the County's Business Technology Strategy. That strategy included a recommendation for the development of a comprehensive Business Continuity Plan to protect County data.

The computer revolution has paid substantial dividends in making governments and business more efficient and in enabling the delivery of services that were cost-prohibitive or impossible using non-computer-based processes. Stanislaus County has prudently continued to deploy Information Technology-based systems and capabilities to enhance service delivery to its citizens. The importance of these computer systems is critical to the County's ability to continue to provide services offered electronically and via the Internet. These systems manage crucial business and personal data, operate the software applications for the County's core business functions, and maintain the essential computer hardware on which these services and data reside.

An outage at any time of a key system, such as an email server or a payroll system, can be disastrous if the proper procedures and equipment are not in place for a timely recovery. Because of the increasing importance of information technology in service delivery, a disaster where a power outage or a fire hits a key data center, such as that managed by Strategic Business Technology, is truly one of the greater threats the County could face. A robust support system, detailed failover plans, and disaster recovery capabilities are critical to the County's ability to properly serve our primary business functions and customer needs.

Strategic Business Technology Data Center Project Overview

Stanislaus County Strategic Business Technology (SBT) Department has a critical need for physical improvements to the SBT Server Room to ensure business continuity in time of emergency. In order to accomplish this goal, SBT Server Room Expansion – located at 801 11th Street, Fourth Floor in downtown Modesto will need to have a complete set of design documents and specifications prior to going out to bid for construction. SBT will provide input for the data and communications systems to the consultant.

The construction will include the remodeling of the County-owned space to reconfigure existing space and construct an 826 square foot server room. The facility design shall include UPS, HVAC, UPS, Fire Suppression system, electrical, backup generator, etc. with equipment and specifications that are appropriately “sized” to what will be installed in this facility. Project elements will be prioritized as funding and scheduling require.

Improvements at the facility would support a greater level of safety and availability of critical IT systems housed at the Data Center location. Business Continuity and Disaster Recovery have been in the forefront of all planning related to the SBT Data Center project. With any Disaster Recovery and Business Continuity Plan, redundancy of systems and data is a key.

At this time the Chief Executive Office is returning to the Board for approval to award a contract for the design and scoping phase for the Strategic Business Technology Data Center Improvements to Miller-Pezzoni and Associates, Inc. of Modesto, California for the lump sum amount not to exceed \$99,200.

The total estimated cost for the scoping phase of the project approved by the Board on October 6, 2009 was \$162,602. Recommendations for final scope, design and actual cost estimates will be returned to the Board of Supervisors prior to seeking bids for construction.

POLICY ISSUES:

The Board should consider whether approval of this contract amendment for design and scoping services for improvements at the Strategic Business Technology Data Center are consistent with the Board’s stated priorities of *A safe community* and the *Efficient delivery of public services*.

Approval to Amend the Contract with Miller-Pezzoni and Associates, Inc. of Modesto, California to Perform an Arc Flash Study of the High Voltage Electrical Panels for the Strategic Business Technology Data Center Improvements
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STAFFING IMPACT:

The County anticipates substantial review and interaction with Strategic Business Technology , Chief Executive Office Capital Projects, and staff from Miller-Pezzoni and Associates, Inc. and to develop plans for improving the SBT Data Center. There are no additional staffing requirements associated with this item.

CONTACT PERSON:

Patricia Hill Thomas, Chief Operations Officer. Telephone: 209-525-6333

**AGREEMENT BETWEEN THE COUNTY OF STANISLAUS
AND MILLER-PEZZONI AND ASSOCIATES, INC.
FOR THE STRATEGIC BUSINESS TECHNOLOGY (SBT) SERVER ROOM UPGRADES**

AMENDMENT NO. 1, Dated February 16, 2010

The Agreement between the **County of Stanislaus** ("County") and **MILLER-PEZZONI AND ASSOCIATES, INC.** ("Architect") for the **STRATEGIC BUSINESS TECHNOLOGY (SBT) SERVER ROOM UPGRADES** dated January 12, 2010 (collectively, the "Agreement") is hereby amended as follows:

1. Scope of Work

1.1 Change the Scope of Work, Exhibit A, to include new electrical service and an arc flash analysis.

2. Consideration

2.1 The Consultant shall be compensated \$8,400 to perform the design of the new electrical service and perform an arc flash study. The revised lump sum price will be \$107,600.

EXHIBIT A SCOPE OF WORK

1. THE PROJECT DESCRIPTION. Add the following paragraph: "In addition to the scope of work described in Exhibit A of the Request for Proposals, the Architect is to provide additional services for the design of a new electrical service for the existing facility. To do this, the Architect will review existing MID infrastructure and coordinate new infrastructure for a 480V main electrical service; prepare necessary documentation for general bidding and construction and include means to minimize outage and tie into the existing electrical service; and incorporate the above design work into the present design schedule. Also, the Architect will prepare arc flash analysis of proposed new service and existing 208V main switchboard in accordance to NFPA 70E. Deliverables on this study will include a summary report and necessary identification (i.e., ANSI labeling). Arc flash scope to be completed prior to project close out as the study requires detailed documentation of installed equipment and routing of feeders. Not To Exceed \$8,400"

IN WITNESS WHEREOF, the parties hereto have executed this Amendment as of the day first mentioned above.

COUNTY OF STANISLAUS

MILLER-PEZZONI AND ASSOCIATES, INC

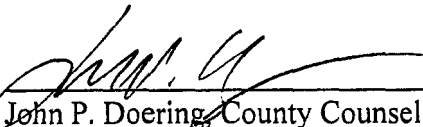


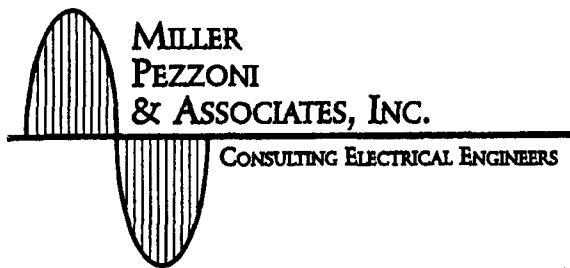
Patricia Hill Thomas
Chief Operations Officer /
Assistant Executive Officer

By: 

Title: Principal

APPROVED AS TO FORM:


John P. Doering, County Counsel



February 3, 2010

Stanislaus County Capital Projects
825 12th Street
Modesto, CA 95354

Attn: Mr. Randy Cavanagh

Project: Additional Services -SBT Server Room
New Electrical Service and Arc Flash Analysis

Dear Mr. Cavanagh:

Thank you for the opportunity to provide this proposal, the scope of proposed services are as follows:

Provide additional services in accordance to the original agreement for the design of a new electrical service for the existing facility. Review existing MID infrastructure and coordinate new infrastructure for a 480V main electrical service. Prepare necessary documentation for general bidding and construction and include means to minimize outage and tie into to the existing electrical service. Incorporate the above design work into the present design schedule. Also, prepare arc flash analysis of proposed new service and existing 208V main switchboard in accordance to NFPA 70E. Deliverables on this study will include a summary report and necessary identification (i.e., ANSI labeling). Arc flash scope to be completed prior to project close out as the study requires detailed documentation of installed equipment and routing of feeders.

NTE \$8,400

The above fees are based upon our Standard Fee Schedule attached. Should this proposal meet with your approval, please forward a work authorization. Thank you for the opportunity to be of service to you.

Very truly yours,

MILLER-PEZZONI & ASSOCIATES, INC.
Kevin L. Pezzoni, P.E.
Vice President

KLP:dg

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MILLER-PEZZONI & ASSOCIATES

909 15TH STREET, SUITE 7

MODESTO, CA 95354

(209) 575-0312 ~ FAX (209) 575-0813

FEE SCHEDULE FOR PROFESSIONAL SERVICES

EFFECTIVE: JANUARY 1, 2008

The Following Fees are presently in effect for professional services available from our firm.

CONSULTATION SERVICES:

Investigative/Expert Witness \$275.00 Per Hour*

Professional Consultation 250.00 Per Hour*

ENGINEERING SERVICES:

Principal Engineer \$180.00 Per Hour

Associate Engineer 140.00 Per Hour

Assistant Engineer 80.00 Per Hour

Cad Operator 65.00 Per Hour

Technician 70.00 Per Hour

Clerical 50.00 Per Hour

* Charges for investigative services, expert witness or consultation are generally not applicable to projects involving the preparation of plans or specifications for construction projects.

Carrying charges equal to one percent per month, twelve percent A.P.R., may be assessed to all accounts over 30 days of billing, pursuant to our Standard Terms of Agreement.

Project fees quoted include one check set and one final vellum plot. Additional costs as follows:

24 x 36 Bond Print \$20.00 each

Blueprints \$10.00 each

24 x 36 Vellum Plot \$30.00 each

All transmittals via U.S. mail included in base proposal. Express mail, UPS, Fed Ex services additional at cost - multiplier 1.5