

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

DEPT: Chief Executive Office

BOARD AGENDA # *B-2

Urgent

Routine

AGENDA DATE October 6, 2009

CEO Concurs with Recommendation YES NO

4/5 Vote Required YES NO

(Information Attached)

SUBJECT:

Approval of Matters Related to Sheriff's Public Safety Center Emergency Power and Fire Suppression System Improvements Project; A One-Time 30-Day Non-Compensable Time Extension to Greg Opinski Contract and Amendment to the Contract with Miller Pezzoni to Perform an Arc Flash Study of the High Voltage Electrical Panels

STAFF RECOMMENDATIONS:

1. Approve matters related to the Emergency Power and Fire Suppression System Improvements Project.
 - A. Approve a 30 Day Non-Compensable Time Extension to Greg Opinski Construction Co,
 - B. Approve An Amendment To The Contract With Miller Pezzoni To Perform an Arc Flash Study of the High Voltage Electrical Panels.

FISCAL IMPACT:

On November 18, 2008, the Board of Supervisors approved award of a construction contract for the Emergency Power and Fire Suppression System Improvements at the Sheriff's Operations Center to Greg Opinski Construction, Inc., for the lump sum amount of \$1,044,000.

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BOARD ACTION AS FOLLOWS:

No. 2009-668

On motion of Supervisor Monteith, Seconded by Supervisor Grover

and approved by the following vote,

Ayes: Supervisors: O'Brien, Chiesa, Grover, Monteith, and Chairman DeMartini

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)

During construction an unforeseen condition was encountered with the high voltage electrical panel. An existing electrical switchgear would not accept 2 additional breakers required to connect the emergency power system. The problem was not determined until the panel was opened by a licensed high voltage specialty contractor. An additional panel had to be ordered and installed which requires a non-compensable extension to the General Contract by 30 days.

During the course of this effort, it was also determined that the high voltage panels had 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.

DISCUSSION:

Background

The construction of the Sheriff's Operations Center was completed in 1995. The Sheriff's Operations Center, and the adjacent Central Kitchen, and Laundry facilities were not connected to emergency power. As was the practice in the 1990's the Sheriff's Operations Center did not include a server room.

On June 26, 2007, the Board of Supervisors accepted the updated Public Safety Center Jail Needs Assessment and Public Safety Services Master Plan, and authorized the staff to develop an overall implementation strategy which included the development of phasing options, funding options, and professional programming services. The Needs Assessment projected facility needs well into the future. The report included an evaluation of the Sheriff's facility needs for Administration, Armory, Investigations, information Technology, Patrol, Property and Evidence and the Records functions that are housed as part of the Sheriff's Operations Center. The study evaluated the future facility needs looking at it both from the current structure where all of the main Sheriff operations are conducted out of the Hackett Road site, to evaluating the cost of creating building three additional Sheriff Facilities located throughout the County. The full build out of the Sheriff's Public Safety Center (not including Jail Expansion Project) to meet future needs was estimated at a preliminary, pre-design cost of \$16.2 million.

In April 2008, the County contracted with Miller Pezzoni and Associates, Inc. to proceed with a study to identify specific areas and critical functions which require emergency power to maintain effective operations during an extended electrical power disruption. These critical areas included the Sheriff's Operations Center (SOC) and the IT server room in the Sheriff Headquarters facility, and existing kitchen and laundry facilities located in the Public Safety Center (PSC) adjacent to Headquarters.

As a result of the study, the Board authorized the staff to proceed with the project. In November 2008, the County contracted with Miller Pezzoni and Associates, Inc., a local electrical engineering firm Miller Pezzoni and Associates Inc., to add emergency power to the Sheriff's Operations Center, Kitchen and Laundry Facilities, and add a server room for the Sheriff's Operations Center with a fire suppression system. Miller Pezzoni and Associates, Inc were the original Electrical Engineers for the Sheriff's Operations Center and staff believed they would have superior knowledge for the study.

On September 30, 2008, The Board approved the design and the plans and specifications and authorized staff to request bids. The plans and specifications included one bid alternate. The bid alternate was to change the controls of the emergency generator farm from analog to digital. The change is not necessary at this time, but will be necessary before the generator farm is expanded again in the future.

On November 8, 2008 staff returned to the Board for approval to award a construction contract for the base bid only for the Emergency Power and Fire Suppression System Improvements at the Sheriff's Operations Center to Greg Opinski Construction, Inc., with an amount not to exceed \$1,044,000.

In September 2009 while planning for the connection of the emergency power system to the power system, staff, the contractor and the engineers uncovered a problem. The existing switchgear did not have the capacity to add the two (2) additional breakers required to complete the hookup of emergency power. The problem could not be determined until the panel was opened by a specialty contractor licensed to do high voltage work. An additional switchgear had to be designed and ordered to make the final connection. As a result the Contractor was delayed by 30 days, but has agreed to a non-compensatory time extension.

Staff also found that the high voltage panels had not been studied for Arc Flash as required by recent changes to CAL OSHA regulations. Staff contacted Miller Pezzoni and Associates for a proposal to do Arc Flash study in conjunction with their other duties on the project. The price from Miller Pezzoni and Associates for this work is \$9,800. They can complete the work within 30 days of the amendment to their contract.

This effort is nearing completion and the project delivery results have been outstanding.

POLICY ISSUES:

Approval of this plan promotes the Board's Priority of A safe community. Approval of this action will facilitate Efficient delivery of public services and making the most efficient use of County resources to protect the community.

Approval of Matters Related to Sheriff's Public Safety Center Emergency Power and Fire Suppression System Improvements Project; A One-Time 30-Day Non-Compensable Time Extension to Greg Opinski Contract and Amendment to the Contract with Miller Pezzoni to Perform an Arc Flash Study of the High Voltage Electrical Panels

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STAFFING IMPACT:

The County anticipates substantial review and interaction with Sheriffs Department and Chief Executive Office Capital Projects staff on this project. Existing Capital Projects staff is coordinating this project with the Sheriff.

**AGREEMENT BETWEEN THE COUNTY OF STANISLAUS
AND GREGG E. MILLER & ASSOCIATES, dba MILLER PEZZONI & ASSOCIATES
FOR THE SHERIFF'S OPERATIONS CENTER and the KITCHEN LAUNDRY
EMERGENCY POWER**

AMENDMENT NO. 1, Dated _____

The Agreement between the **County of Stanislaus** ("County") and **MILLER PEZZONI & ASSOCIATES** "Architect") for the **SHERIFF'S OPERATIONS CENTER and the KITCHEN LAUNDRY EMERGENCY POWER** dated April 8, 2008 (collectively, the "Agreement") is hereby amended as follows:

1. Scope of Work

1.1 Change the Scope of Work, Exhibit A, to include an Arc Flash Study.

1.3 Change the Schedule, Exhibit B, to include time to perform the Arc Flash Study.

2. Consideration

2.1 The Consultant shall be compensated \$9,800 to perform the Arc Flash study. The revised not to exceed price will be \$87,200.

EXHIBIT A SCOPE OF WORK

Scope of Services Add the following paragraph: "Conduct a professional arc flash analysis and report of the Public Safety Center Electrical Substation based upon the electrical distribution system asbuilts and related data provided by the County to Miller Pezzoni & Associates. The scope of services and deliverables shall be as noted in the Miller Pezzoni and Associates Proposal dated 09.21.09 and attached hereto.

Not To Exceed \$9,800"

EXHIBIT B SCHEDULE

Miller Pezzoni & Associates shall complete the Professional Arc Flash Study within 30 days of the receipt of the required data from the Utility Company.

Except as specifically modified herein, the Agreement shall remain in full force and effect as written. To the extent that any provision of this Reformation and Amendment No. 1 conflicts with any provisions of the Agreement, this Reformation and Amendment No. 1 shall control.

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

COUNTY OF STANISLAUS

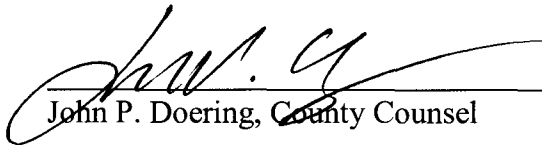
**GREGG E. MILLER & ASSOCIATES
dba MILLER PEZZONI & ASSOCIATES**

Patricia Hill Thomas
Chief Operations Officer /
Assistant Executive Officer

By: _____

Title: _____

APPROVED AS TO FORM:



John P. Doering, County Counsel