

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

DEPT: Chief Executive Office

BOARD AGENDA # *B-8

Urgent

Routine

AGENDA DATE April 26, 2011

CEO Concurs with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval to Amend the Contract for Professional Architectural Design Services with Miller Pezzoni and Associates, Inc. for the Strategic Business Technology Data Center Improvements; and Related Actions

STAFF RECOMMENDATIONS:

1. Approve Amendment No. 2 for professional architectural design services with Miller Pezzoni and Associates, Inc. of Modesto, California for Strategic Business Technology Data Center improvements not to exceed \$61,200 for design services for the data center improvement project to now be planned for the Regional Dispatch Center at 3705 Oakdale Road in Modesto.
2. Authorize the Project Manager to negotiate and sign contracts and work authorizations necessary to manage the design phase including construction management, professional services, and other project related expenses necessary to manage the project as long as the costs are within the project budget approved as approved by the Board of Supervisors.

(Continued on Page 2)

FISCAL IMPACT:

On October 6, 2009, the Board of Supervisors authorized the Chief Executive Officer to issue a Request for Proposal (RFP) for design, specifications and scoping phase for the necessary improvements needed for the Strategic Business Technology Data Center. The purpose of the project is to provide essential protections for the County's Server Room for Strategic Business Technologies to ensure that the Center is adequately protected and can withstand emergency conditions. The server room systems manage crucial business and personal data, operate software applications for the County's core business, and maintain the essential computer hardware on which these services and data reside. Even a temporary loss of these functions would have a significant detrimental impact on County functions. (Continued on Page 2)

BOARD ACTION AS FOLLOWS:

No. 2011-246

On motion of Supervisor O'Brien, Seconded by Supervisor Withrow
and approved by the following vote,

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

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.

STAFF RECOMMENDATIONS: (Continued)

3. Direct the Auditor-Controller staff to increase appropriations and estimated revenue by \$97,593 to the Strategic Business Technology Data Center Capital Project budget as detailed in the attached Budget Journal form.

FISCAL IMPACT: (Continued)

At that time, the scoping phase of the project approved by the Board of Supervisors on October 6, 2009 was \$162,602 outlined in the sources and uses chart below:

Sources: Approved October 6, 2009

Sources	Amount
SBT Fund Balance	\$162,602
Total	\$162,602

Uses: Approved October 6, 2009

Uses	Amount
Architect	\$99,200
Staff Salaries, Office Supplies, Legal Fees, Publications and Legal Notices, Building Permits, Construction Management, Inspection	\$63,402
Total	\$162,602

The project was originally planned to be an improvement at 801 11th Street, however, during the design phase, a detailed analysis demonstrated that allowing for the project to be implemented at the Regional Dispatch Center would be a better business. The Project team has thoroughly analyzed the alternative location and recommends moving the project location to the Regional Dispatch Center at 3705 Oakdale Road, Modesto. The original project was estimated to cost \$1,381,034.

On January 12, 2010, the Board of Supervisors approved awarding 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.

On February 16, 2010, the Board of Supervisors approved a contract Amendment No. 1 with Miller-Pezzoni and Associates, Inc. of Modesto, California to perform the evaluation of the electrical service and the Arc Flash Study of the high voltage electrical panels at the 801 11th

Approval to Amend the Contract for Professional Architectural Design Services with Miller Pezzoni and Associates, Inc. for the Strategic Business Technology Data Center Improvements; and Related Actions
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Street as required by recent changes to CAL-OSHA regulations for the lump sum amount not to exceed \$8,400 funded by existing appropriations in the Capital Project budget. With the Board's approval of the Amendment No.1, the contract with Miller Pezzoni and Associates, Inc. increased from \$99,200 to \$107,600 for professional architectural design services, funded by existing appropriations in the previously approved budget of \$162,602 as detailed in the sources and uses chart below:

Sources: Approved February 16, 2010

Sources	Amount
SBT Fund Balance	\$162,602
Total	\$162,602

Uses: Approved February 16, 2010

Uses	Amount
Architect	\$107,600
Staff Salaries, Office Supplies, Legal Fees, Publications and Legal Notices, Building Permits, Construction Management, Inspection	\$55,002
Total	\$162,602

Funding for initial project planning expenses as well as the actual project if ultimately approved comes from the Strategic Business Technology (SBT) departmental fund balance.

The project team worked with Miller-Pezzoni and Associates, Inc. to initially plan the improvements of the Data Center at its current location, on the fourth floor at 801 11th Street and to identify the requirements and components needed for construction. However, as scoping efforts continued, and a thorough evaluation conducted, it was determined that 801 11th Street location had several additional challenges including the following:

- Locations initially considered viable for the backup generator placement proved challenging due to space limitations, noise, fumes, or proximity to existing structures.
- Additional electrical service would be required, which would necessitate the installation of a new electrical service.
- The load-bearing capacity of the floor became a major concern. The density of the equipment slated to be deployed in the new data center would increase the amount of load on the building and would exceed the capacity of the current structure.

Approval to Amend the Contract for Professional Architectural Design Services with Miller Pezzoni and Associates, Inc. for the Strategic Business Technology Data Center Improvements; and Related Actions
Page 4

- Inadequate space exists on the roof for the requisite air conditioning units to support the new data center, which would require compromises in design.

As a result of these unanticipated findings, the project team reconvened to further evaluate and explore viable options for locating the County Data Center including the following locations:

- 801 11th Street, Modesto (current Data Center location)
- 1010 10th Street, Modesto
- 1021 I Street, Modesto
- 832 12th Street, Modesto
- 1500 I Street, Modesto
- 929 Oakdale Road, Modesto
- 4835 Sisk Road, Modesto

At this time, the Project Manager is requesting the Board of Supervisors approve Amendment No. 2 with Miller-Pezzoni and Associates, Inc. of Modesto, California to develop plans and specifications for the Strategic Business Technology Data Center improvements to be located at 3705 Oakdale Road, Modesto, California. With the Board's approval of Amendment No. 2, the previously approved funding of \$8,400 to perform the evaluation of the electrical service and the Arc Flash Study of the high voltage electrical panels at the 801 11th Street location is recommended to be reduced by \$2,520. Miller-Pezzoni and Associates, Inc. completed the evaluation of the electrical service and completed the redesign work for the electrical service at 801 11th Street at a cost of \$5,880. The Arc Flash study has not been completed and is recommended for deletion. Staff is also recommending additional funding of \$61,200 to perform the remaining and additional design work needed for the project. Approval of this amendment will increase the contract to \$166,280.

With the Board of Supervisor's approval of this recommendation, the design phase will increase from \$162,202 to \$260,195, funded from SBT department fund balance. Although the project will incur increased costs for these recommended additional design efforts, staff believes the decreased costs associated with structural and other construction costs at the 3705 Oakdale Road location will allow the proposed project to be constructed within the original estimate of \$1,381,034.

Staff is also recommending the Board to direct the Auditor-Controller to increase appropriations and estimated revenue by \$97,593 for the SBT Data Center Capital Project. SBT appropriations are also recommended to increase \$97,593 through an operating transfer out through the Department's use of fund balance as detailed in the

attached budget journal form and outlined in the recommended sources and uses chart below:

Recommended Sources

Sources	Amount
SBT Fund Balance	\$162,602
SBT Fund Balance	\$97,593
Total	\$260,195

Recommended Uses

Uses	Amount
Architect	\$166,280
Staff Salaries, Office Supplies, Legal Fees, Publications and Legal Notices, Building Permits, Construction Management, Inspection Services	\$93,915
Total	\$260,195

This recommendation has been reviewed with the Board of Supervisors Capital Facilities Committee, comprised of Chairman Monteith and Supervisor O'Brien who have concurred with these recommendations.

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

The Strategic Business Technology department maintains a data center that houses the core County Information Technology Systems, such as the County website, Oracle Financial Management System and PeopleSoft Human Relations Management System. In addition, the data center is comprised of computer file servers, network infrastructure equipment, dedicated air conditioning system, and uninterruptible power supplies (UPS) to support the core as well as file and print services, specific applications/databases, and web servers.

Previously, the Strategic Business Technology department contracted Lee Technologies to assess and compare the Data Center to current industry tier standard. The tier standard identifies criteria to differentiate four classifications of site infrastructure topology based on increasing levels of redundant capacity components and distribution paths as well as physical construct of the facility. Tier 1 is the lowest rating and Tier 4 is the highest. The Tier topology rating for an entire site is constrained by the rating of the weakest subsystem that will impact the sites operations.

The Strategic Business Technology Data Center was ranked at the lowest level - Tier 1. Lee Technologies indicated that the current facility does not meet industry best practices for maintaining critical data. To provide a minimum level of reliability and bring the Data Center to a Tier 2 ranking, Lee Technologies recommended a major renovation, which included a heating, ventilation, and air conditioning (HVAC) system large enough to support current and future data center needs, replacement of the existing unlimited power supply (UPS) systems with enterprise type UPS systems, installation of a diesel backup generator and automatic transfer switch to provide power during a loss of utility power, installation of an environmental system to monitor temperature and humidity, and installation of a dry agent fire suppression system.

Prior to seeking Board of Supervisors' approval for the Strategic Business Technology Data Center improvements, a project team made up of representatives from the Chief Executive Office and Strategic Business Technology had researched seven (7) different location alternatives for the re-designed County Data Center:

Approval to Amend the Contract for Professional Architectural Design Services with Miller Pezzoni and Associates, Inc. for the Strategic Business Technology Data Center Improvements; and Related Actions
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- 801 11th Street, Modesto (current Data Center location)
- 1010 10th Street, Modesto
- 1021 I Street, Modesto
- 832 12th Street, Modesto
- 1500 I Street, Modesto
- 929 Oakdale Road, Modesto
- 4835 Sisk Road, Modesto

Based on the original initial investigations, the existing location at 801 11th Street in Modesto was recommended for the data center improvements needed. On October 6, 2009, the Board of Supervisors authorized the Chief Executive Office to issue a Request for Proposal for design and specifications for the Strategic Business Technology Data Center improvements. The total estimated cost for the scoping phase of the project approved by the Board was \$162,602.

On January 12, 2010, the Board approved the award of 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 project team began working with Miller-Pezzoni and Associates, Inc. to determine exact placement of the County Data Center on the fourth floor at 801 11th Street and to identify the requirements and components for construction. Initially, staff 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 recommended the Arc Flash study and labeling be completed at this time. On February 16, 2010, the Board approved 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 for a sum of \$8,400; however, that study will not be required at the 3705 Oakdale Road site and will be eliminated from the project and the cost of the study will be reduced from the contract.

However, as the scoping effort continued, it was determined that 801 11th Street location had several additional challenges:

- Locations initially considered viable for the backup generator placement proved challenging due to space limitations, noise, fumes, or proximity to existing structures.
- Additional electrical service would be required, which would necessitate the installation of a new electrical service.
- The load-bearing capacity of the floor became a major concern. The density of the equipment slated to be deployed in the new data center would increase the amount of load on the building and would exceed the capacity of the current structure. Therefore, additional buttressing would be required, which would further increase project costs.

- Inadequate space exists on the roof for the requisite air conditioning units to support the new data center, which would require compromises in design.

As a result of these unanticipated findings, the project team reconvened to further evaluate the best location for the County Data Center. Due to changes in availability of space at 3705 Oakdale Road, Modesto, the project team added this location as a consideration. Focusing on the County-owned facilities, the project team rated the risk at each location for three functional categories:

1) Primary Project Goals -

- Fire mitigation – installation of a dry agent fire suppression system.
- Improved heating, ventilation, and air conditioning (HVAC) system to reduce overheating of equipment.
- Connectivity to the County network via high-speed fiber optic cable, either County-owned or already-installed leased fiber available under existing carrier agreements.
- Adequate electrical supply without major improvements and adequate space to install an emergency backup generator.

2) Security and Disaster Concerns -

- Economic life of the building – County owned verses leased, is there a long term plan to sell a facility, etc.
- Flooding, either natural or building related (e.g. overhead piping, restrooms, etc.).
- Earthquake impact.
- General security measures, including controlled access to the site and data center, security cameras, what other services are provided at that location, hours of service and occupancy, etc.

3) Project and other Operational Concerns -

- Availability of adequate bandwidth to serve the County Fiber Optic Network and to provide redundancy.
- Changes in technology, such as virtualization that reduces the number of servers and space that might be needed, opportunities for external hosting that are reliable and available, and fiscal challenges.
- Collaboration opportunities.
- Structural limitations, such as load bearing capacity, expansion capabilities, ability to get equipment/materials into the location, disruption to existing operations during construction, etc.

After the additional in-depth review and analysis, the project team found the 3705 Oakdale Road, Modesto location to be best suited for the construction of a new, more

reliable, and efficient County Data Center. Concern was expressed at the initial analysis of the 3705 Oakdale Road location due to the ability to efficiently and inexpensively transmit data between the main County telecommunications network and the proposed Server Room site; however, these concerns were mitigated by the availability of a redundant, existing fiber optic link. Given the elimination of the data communication infrastructure issue, several key benefits to this 3705 Oakdale Road site were identified:

- It is a Public Safety building with substantial physical security features already in place and constructed as an “essential services” type building per the California Health and Safety Code, Chapter 2, Sections 16000-16022
- It is a single-story building that does not present the same construction challenges as a multi-floored structure for structural engineering purposes.
- Space requirements for both HVAC and a generator are not limited at the 3705 Oakdale Road site as they are at the 801 11th Street location.
- The economic life of the building was projected to be superior to other locations studied.
- It is connected to the County’s leased fiber optic network with redundant connectivity using different pathways.
- It provides collaboration opportunities allowing current data center at 3705 Oakdale Road to leverage some of the upgrades that will be put into place. The SR911 computer equipment room can be incorporated into the same protective environment with the new Server Room. The cost of providing added protection to the existing computer facility will be offset by reduction in costs for added structural reinforcement, backup generator siting, reduced space requirements for the Server Room.

Improvements at the 3705 Oakdale Road, Modesto, 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.

The proposed use of a small area of the SR911 technical staff work area will be converted for use by the SBT Server Room. The existing technical staff workstations will be relocated internally within 3705 Oakdale Road using existing vacant office space.

The existing Server Room at 801 11th Street will remain in place, but will not require additional space to meet a heavier structural load on the 4th floor. The resulting space savings will provide the ability to condense existing SBT Department office space on the fourth floor if the security and circulation of the floor is reconfigured at a future time for a future additional tenant use. Ongoing operating costs are projected at \$40,000 to \$50,000 annually for increased utility costs and data communication costs. Staff is working on a number of solutions to decrease or eliminate additional data

Approval to Amend the Contract for Professional Architectural Design Services with Miller Pezzoni and Associates, Inc. for the Strategic Business Technology Data Center Improvements; and Related Actions
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communication costs by collaborating with the City of Modesto by utilizing existing fiber cables.

Schedule

The design work will be completed in the summer of 2011 as outlined in Attachment A. The final design will be presented to the Board of Supervisors before the project is bid. This action does not result in final project approval, as those recommendations will be presented to the Board of Supervisors for consideration at the completion of the next recommended design phase.

POLICY ISSUES:

Approval of the change in location and 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, Efficient Delivery of Public Services, and Effective Partnerships.

STAFFING IMPACT:

The County anticipates further substantial review and interaction with Strategic Business Technology, Chief Executive Office Capital Projects, and staff from Miller-Pezzone and Associates, Inc. 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

County of Stanislaus: Auditor-Controller Legal Budget Journal

Database
Set of Books

FMSDBPRD.CO.STANISLAUS.CA.US.PROD
County of Stanislaus




Balance Type	Budget
Category	* List - Text Budget - Upload
Source	* List - Text CEO MEL
Currency	* List - Text USD
Budget Name	List - Text LEGAL BUDGET
Batch Name	Text
Journal Name	Text JV CEO CP 000007
Journal Description	Text Budget for SBT Data Center Project
Journal Reference	Text
Organization	List - Text Stanislaus Budget Org

Upl	Fund	Org	Acc't	GL Proj	Loc	Misc	Other	Debit		Credit		Period	Line Description
								incr appropriations	decr appropriations	decr est revenue	incr est revenue		
								(format > number > general)				Upper case	Text
												MMM-YY	
												List - Text	
	2073	0061133	50120	0000000	000000	000000	00000	31,889				APR-11	Personal Service Contract
	2073	0061133	62630	0000000	000000	000000	00000	2,500					
	2073	0061133	62730	0000000	000000	000000	00000	500					
	2073	0061133	64220	0000000	000000	000000	00000	58,680				APR-11	Architect Engineer Fees
	2073	0061133	64600	0000000	000000	000000	00000	4,000				APR-11	Construction Management
	2073	0061133	73511	0000000	000000	000000	00000	24				APR-11	Govt Fund Bill Aud-Cont
	2073	0061133	46600	0000000	000000	000000	00000			97593		APR-11	Operating Transfer In
	5031	0048100	85850	0000000	000000	000000	00000	97593				APR-11	Operating Transfer Out

Totals: 195186 97593

Explanation:

ADDITIONAL BUDGET FOR SBT DATA CENTER

Requesting Department	Data Entry	Auditors Office Only	
 Signature 4/19/11 Date	 Signature 4/21/11 Date	Keyed by _____ Date _____	Prepared By _____ Date _____
		 Approved By 4-20-11 Date	

County of Stanislaus: Auditor-Controller Standard Journal

Balance Type
Database
Set of Books

Actual
FMSDBPRD.CO.STANISLAUS.CA.US.PROD
County of Stanislaus

Category	* List - Text Transfer
Source	* List - Text CEO MEL
Currency	* List - Text USD
Accounting Date	* List - Date 04/11/11
Batch Name	Text
Journal Name	Text CEO CP 000008
Journal Description	Text Transfer funds from SBT to Capital Project Budget
Journal Reference	Text SBT Data Center Project

Upl	Fund	Org	Acc't	GL Proj	Loc	Misc	Other	Debit	Credit	Line Desc
4	7	5	7	6	6	5				
Ⓟ	5031	0048100	85850	0000000	000000	000000	00000	97593		
Ⓟ	2073	0061133	46600	0000000	000000	000000	00000		97593	
								97,593.00	97,593.00	

Totals: 97,593.00 97,593.00

Explanation: Standard Journal to transfer

Departments Outside Auditors Office		Data Entry	Auditors Office Only	
<i>M. Lopez</i> Prepared by 4/12/11 Date	<i>Patricia</i> Supervisor's Approval 4/15/11 Date	Keyed by _____ Date _____	Prepared By _____ Date _____	Approved By _____ Date 4/12/11

DRAFT BASE LINE SCHEDULE

April 1, 2011

Description	Orig Dur	Rem Dur	Early Start	Early Finish	Total Float	2011												2012		
						APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Grant Applications, Partnerships, & Funding																				
Board Approval of Change and Funding	4d	4d	14APR11	19APR11	0															
Procurements																				
Bid and Award General Contract	35d *	35d *	12AUG11	29SEP11	0															
Amend Contract with Engineer	10d	10d	31MAR11	13APR11	0															
Advertise for Bids for General Contractors	25d	25d	12AUG11	15SEP11	0															
Receive and Review Bids and Recommend Award	5d	5d	16SEP11	22SEP11	0															
Award General Contract	5d	5d	23SEP11	29SEP11	0															
Design & Engineering																				
Design	81d *	81d *	20APR11	11AUG11	0															
Revise Schematic Design	20d	20d	20APR11	17MAY11	0															
Review and Approve Schematic Design	2d	2d	18MAY11	19MAY11	0															
Prepare Bid Documents	44d	44d	20MAY11	21JUL11	0															
Review Bid Documents and Code Reviews	10d	10d	22JUL11	04AUG11	0															
BOS Approval and Authorization to Bid	5d	5d	05AUG11	11AUG11	0															
Construction																				
Construction	174d	174d	30SEP11	30MAY12	0															
Notice to Proceed	10d	10d	30SEP11	13OCT11	0															
Construct Project	120d	120d	14OCT11	29MAR12	0															
Project Closeout	44d	44d	30MAR12	30MAY12	0															
TRAN																				
Transition	22d	22d	16MAY12	14JUN12	0															

Start date 31MAR11
 Finish date 14JUN12
 Data date 31MAR11
 Run date 01APR11
 Page number 1A
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**Capital Projects
 Server Room on Oakdale Road**

- Early bar
- Progress bar
- Critical bar
- Summary bar
- Start milestone point
- Finish milestone point

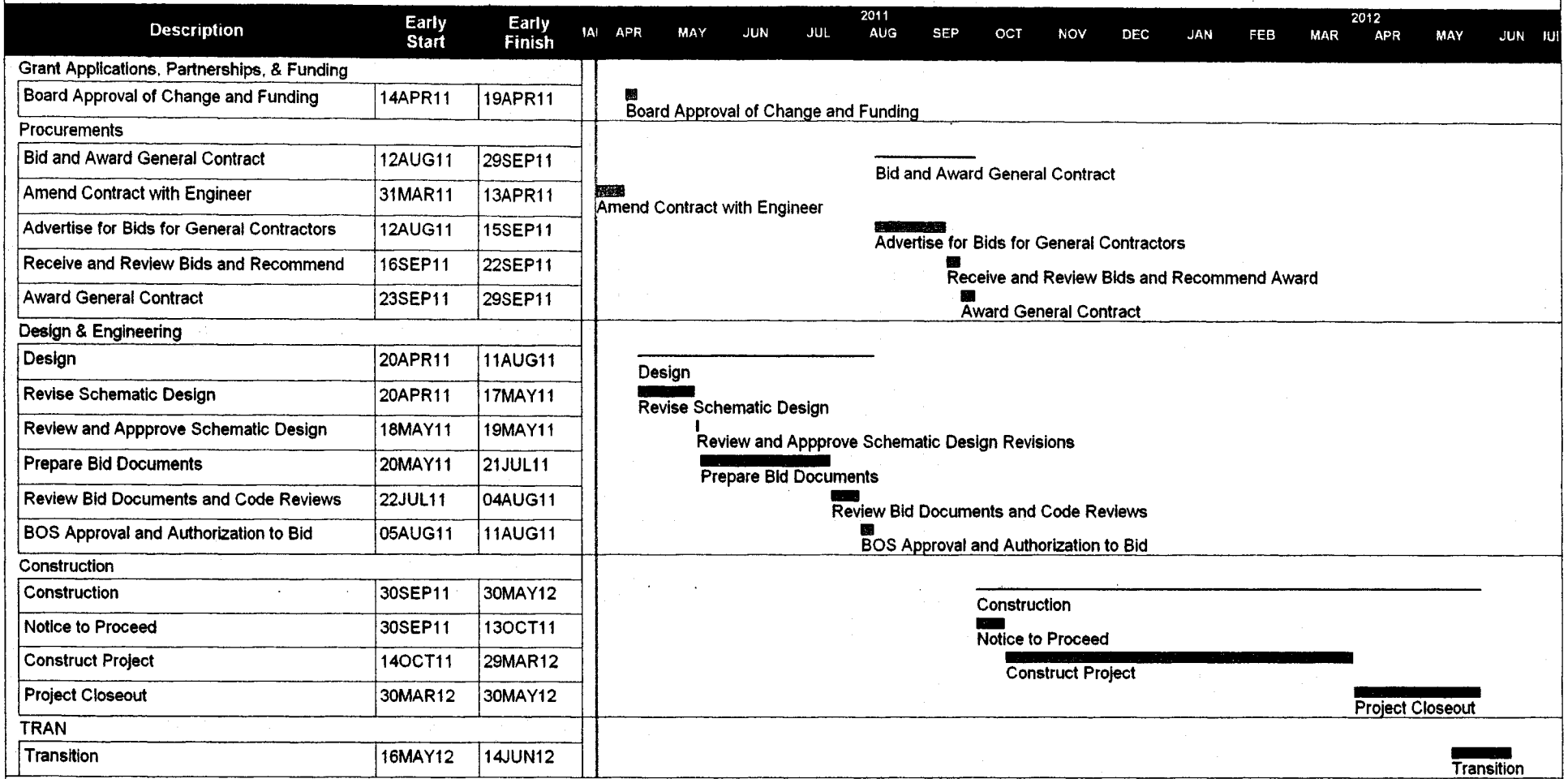
2-28-11
SBT
PRELIMINARY SCHEDULE

1. B.O.S. approval of A/E ADDITIONAL SERVICES	(start)	April
2. A/E Phase I – schematic design and design development and approval	4 weeks	May
3. Co-ordinate Data & Comm. with A/E	1 weeks	May
4. A/E Phase II – CD's and specifications	8 weeks	July
5. B.O.S. approval of CD's and specifications	2 weeks	August
6. Bid to General Contractors	5 weeks	September
7. B.O.S. approval and award of contract for construction	2 weeks	September
8. Construction (generator – 5 mo. order)	24 weeks	March (2012)
9. Notice of Completion and close out	8 weeks	May (2012)
10. Transition (SBT)	2 weeks	June (2012)
	Total:	56 weeks (1yr. 1 mo.)

Revised: 3-31-11

DRAFT BASE LINE SCHEDULE

April 1, 2011



Start date	31MAR11
Finish date	14JUN12
Data date	31MAR11
Run date	01APR11
Page number	1A
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**Capital Projects
Server Room on Oakdale Road**

- Early bar
- Progress bar
- Critical bar
- Summary bar
- ◇ Start milestone point
- ◇ Finish milestone point

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

AMENDMENT NO. 2, Dated April 26, 2011

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:

Scope of Work.

1. Amend section 1.1, Services, as follows:

"Change the Scope of Work to provide additional architectural and engineering service to modify the scope of work created thus far from 801 11th Street and relocate it to 3705 Oakdale Road. Delete the Arc Flash Study from Scope of Work."

Compensation.

2. Replace section 2.1, Total Compensation, in its entirety with the following:

The total compensation to the Architect shall be on a lump sum basis. Payment shall be as specified in section 2.3, Monthly statements.

Original Contract	\$ 99,200.00
Amendment No. 1	\$ 8,400.00
Amendment No. 2 Deduct	(\$ 2,520.00)
<u>Amendment No. 2 Add</u>	<u>\$ 61,200.00</u>
Total Changed Contract	\$166,280.00

Appendix A, Scope of Work.

3. Amend paragraph 1, Project Description, with the following:

Delete the Arc Flash Study Scope in its entirety.

Add: The Scope of Work provided in Exhibit A of the Request for Proposals describes an expansion of the existing server room for the Stanislaus County Strategic Business Technology (SBT) Department located at 801 11th Street in Modesto, CA. The Required Outcomes of this project remain the same, however, the location of the server room is changed to 3705 Oakdale Road, Modesto, CA, which is better suited in infrastructure and location to facilitate the County's growing server room needs. In order to properly accommodate the new server room and existing staff in the facility at 3705 Oakdale Road, the Architect will be required to add the following tasks:

Architectural: (1) Asbuilt existing conditions; field measure and verify existing conditions; (2) space plan new server room and surrounding area using previous designed program; (3) design new and/or modify rated wall and ceiling assemblies at new and existing locations; (4) prepare minor tenant improvements to existing offices located east of workroom to accommodate relocated personnel; (5) specify finishes per County's direction; (6) ADA compliance.

Structural: (1) Review existing conditions and asbuilts for new support design; (2) design supports for new roof top AC units; (3) Review and design floor supports for new server racks.

Mechanical: (1) Relocate and modify existing systems to accommodate new server room; modify ductwork and re-balance existing systems; (2) re-design server room elements, new HVAC units, ductwork, and other systems into new space; (3) design new elements for HVAC shut-down and purge functions within existing 911 server room.

Electrical: (1) Design new MID electrical service and standby emergency distribution (gen-set and ATS) for the server room with future provisions for tie in into existing infrastructure; (2) re-design server room elements, new UPSs, feeders, and related infrastructure; (3) design dry suppression system into existing 911 server room, modify existing electrical power to conform to CEC 645.

4. Replace paragraph 3.1.1, Construction Budget, with the following:

“The total construction budget (excluding hazardous materials abatement, FF&E, and contingencies) is Eight Hundred Twenty-Three Thousand Two Hundred dollars (\$823,200).”


Appendix B. Schedule.

5. Replace the schedule in the original contract dated January 12, 2010 with the attached, revised schedule.


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: VICE-PRESIDENT

APPROVED AS TO FORM:



Thomas E. Boze, Deputy County Counsel