



# PIMA COUNTY WIRELESS INTEGRATED NETWORK

PUTTING PIMA COUNTY IN A BETTER STATE OF COMMUNICATION



## PROJECT STATUS REPORT

APRIL 17, 2009

### *PCWIN MISSION STATEMENT*

*The mission of PCWIN is to design, procure, deploy, and operate a regional public safety voice communications network; improve public safety interoperability; and to design, construct and operate a regional communications center.*

The Project Status Report is a monthly publication, intended to keep project stakeholders, executives/officials, and representatives apprised of important activities, project meeting schedules, procurement updates, and other relevant information for those unable to attend monthly PCWIN meetings. The Status Report will be distributed to agency executives/officials, via email, and posted on the PCWIN website at [www.bonds.pima.gov/wireless/index.htm](http://www.bonds.pima.gov/wireless/index.htm).

### PROJECT MANAGEMENT

The PCWIN Staff Office has recently been relocated:

**PCWIN Staff Office**  
33 N. Stone, 14<sup>th</sup> Floor, Suite #1490  
Tucson, AZ 85701  
Phone: (520) 243-7200  
Fax: (520) 243-7550

#### Staff

**Project Administrator:** Captain Paul Wilson  
Staff Assistant: Catherine Hanna  
Phone: (520) 243-7205  
**Project Manager:** Anthony Casella  
Staff Assistant: Alicia Montoya  
Phone: (520) 243-7204  
**Assistant Project Manager:** TBD

## COMMITTEE MEETING SCHEDULE

### Citizen's Bond Advisory Committee Meeting

- o May 1, 2009, 8:00 a.m.
- o [www.bonds.pima.gov](http://www.bonds.pima.gov)

### Executive Management Committee (EMC)

- o Fourth Thursday of each month, 9:00 a.m.

May 28, 2009	September 24, 2009
June 25, 2009	October 22, 2009
July 23, 2009	November 2009 - TBD
August 27, 2009	December 2009 - TBD

### User and Technical Committees

- o May 28, 2009, 1:00 p.m.
- o July 28, 2009, 1:00 p.m.
- o September 29, 2009, 1:00 p.m.
- o December 1, 2009, 1:00 p.m.

### PCWIN Website

- o [www.bonds.pima.gov/wireless/index.htm](http://www.bonds.pima.gov/wireless/index.htm)

## AECOM/CTA COMMUNICATIONS, INC.

CTA Communications, Inc., is now AECOM Design. The former CTA has become part of the AECOM family, a global provider of professional technical and management support services. AECOM will continue to provide radio consulting services to Pima County. Their contract was recently extended through January 2010, and may be renewed for additional one (1) year terms.

## PCWIN IMPLEMENTATION PLAN

The PCWIN Implementation Plan was released in October 2008, as a guide to Project Stakeholders concerning project implementation, objectives, project management, responsibilities and authority, and communication. As a living document, it will be revised as implementation moves forward. You can download this document at the PCWIN website at [www.bonds.pima.gov/wireless/index.htm](http://www.bonds.pima.gov/wireless/index.htm).

## BOND ORDINANCE AMENDMENTS

The original goals of PCWIN included a county-wide data radio network capability, and AVL technology. The conceptual design for mobile data was architected around the use of wideband 700 MHz channels. The FCC has since reserved these data channels for a future commercial data network to support public safety. As a result, those channels are no longer available to Pima County. Two proposals for data systems were evaluated. Neither provided a platform that would adequately enable and support future public safety mobile data application needs. Additionally, several of the participating agencies made alternative plans to deploy AVL capabilities integrated with their computer aided dispatch systems.

After considering those factors, many of the agencies with mobile data capabilities advised against purchasing the proposed data systems and uncommitted their support, leaving a small number of users who would likely make use of a mobile data system for the future. This resulted in a negative cost benefit.

Therefore, Staff recommended against the purchase of the data components envisioned for the system, allowing the limited bond funding to be applied to the two (2) highest priorities of the project; implementation of the voice communications systems, and construction of a communications and emergency operations center (EOC).

A change in scope required Staff to recommend amendments to Pima County Bond Ordinance 2004-18. The EMC directed Staff to submit the proposed amendments to the Citizen's Bond Advisory Committee, and seek consideration and approval from the Board of Supervisors. Staff will present their recommendations once the architectural planning for the 22<sup>nd</sup> Street facility is complete.

### **VOICE RADIO PROCUREMENT**

On April 7, 2009, the Board of Supervisors approved the Award of Contract to Motorola for a voice radio system for the PCWIN project, Requisition No. 802654. On behalf of the PCWIN Executive Management Committee, and the PCWIN Staff, Captain Wilson would like to thank agency executives/officials, and representatives who attended the Board meeting in support of the project. Final terms and conditions of the contract language are being developed and moving forward.

### **CONNECTIVITY PROCUREMENT**

On March 19, 2009, the Connectivity RFP #0901049 was released to seven (7) pre-qualified vendors for review. A Pre-Proposal Conference was held on April 6, 2009, allowing vendors to ask questions and received feedback from PCWIN Project Management. Immediately following the Pre-Proposal Conference, vendors were required to visit antenna and tower sites. Vendors were given the opportunity to submit questions following the conference. These were due on April 13, 2009. Proposals are due no-later-than May 13, 2009, when proposal evaluations will begin.

## **REGIONAL EMERGENCY COMMUNICATIONS & OPERATIONS CENTER**

### **ARCHITECTURAL PLANNING**

*Durrant & Smithgroup*

Tier One services began in November 2008, with Durrant & Smithgroup, Inc., an architectural and engineering firm out of Phoenix. Durrant conducted information gathering interviews with tenant representatives to verify space requirements and to identify key project goals.

Durrant conducted facility inspections of the Thomas O. Price Service Center (TOPSC) and the 22<sup>nd</sup> Street facility, concluding that the TOPSC would require extensive and costly renovations to bring the facility up to code as an essential facility. In contrast, the 22<sup>nd</sup> Street facility was determined to have sufficient room to accommodate future growth of staff, building expansion, and parking facilities.

The EMC approved a motion to eliminate consideration of the TOPSC as a primary facility and directed Durrant to proceed with exploring site concept designs, and back-up 9-1-1 service options, as part of their Programming Services for the 22<sup>nd</sup> Street facility.

Durrant created several program models, specific to the 22<sup>nd</sup> Street facility. Discussions continue on back-up services, in addition to which site concept will work best for the participating agencies, yet provide flexibility for future growth. Recommendations will be brought to the EMC for consideration at a future meeting.

Tier One Services are complete. Tier Two Services, which includes schematic design, is scheduled to begin in June 2009.

### **TACTICAL INTEROPERABLE COMMUNICATIONS PLAN (TICP) & STANDARD OPERATING PROCEDURES (SOP)**

The TICP requirement was established by the Department of Homeland Security for Tier One UASI regions. Although Pima County is designated a Tier Two UASI region, Staff is looking to create a written document to guide PCWIN's operations to improve interoperability and further the Arizona Statewide Communications Interoperability Plan (SCIP).

The Arizona State-wide Communications Interoperability Plan is a requirement for states to receive federal funding, and the plan's objectives include creating a Pima County TICP. Staff is taking a proactive approach in creating a TICP, so that access to federal funding can continue.

Staff received \$194,000 to hire consulting services to write a TICP, SOP templates, and create a training exercise for PCWIN. Staff recommended, and the Board of Supervisors approved to extend AECOM/CTA's contract to include the scope of these additional services.

AECOM/CTA met with stakeholders, including state and federal agencies, to gather information on each agency's interoperable communications policies and capabilities to incorporate in the final TICP. Unfortunately, agency turnout was low, and few worksheets were returned to AECOM. Staff made an effort to re-contact those agencies who have not returned their information to solicit more feedback.

Information has not been received from the following agencies:

**Ajo/Gibson Volunteer Fire Department**  
**Arivaca Fire Volunteer Department**  
**Avra Valley Fire Department**  
**Elephant Head Volunteer Fire Department**  
**Green Valley Fire Department**  
**Helmet Peak Volunteer Fire Department**  
**Marana Police Department**  
**Mt. Lemmon Fire District**  
**Northwest Fire District**

**Pascua Pueblo Fire Department**  
**Pascua Yaqui Police Department**  
**Picture Rocks Fire Department**  
**Rincon Valley Fire Department**  
**South Tucson Fire Department**  
**Three Points Fire Department**  
**Why Fire Department**  
**University of Arizona Police Department**

Agency worksheets are available, electronically, and can still be returned to AECOM to incorporate into the final TICP. Please contact the PCWIN Staff Office for additional worksheets. Completed information can be forwarded to AECOM, attention Ms. Krasna Svoboda, at [krasna.svoboda@aecom.com](mailto:krasna.svoboda@aecom.com).

On April 23<sup>rd</sup> and 24<sup>th</sup>, AECOM/CTA will meet with Ad Hoc workgroups to begin development of Standard Operating Procedures. Lastly, training exercises will be created once the SOPs have begun. The exercises will outline steps to take when using TICP procedures.

#### Deliverables

- o A *draft* SOP is due June 9, 2009
- o The *final* TICP is due July 1, 2009
- o Both documents are due July 31, 2009
- o Grant expires August 2009

The success of these deliverables depends upon agency input and support. Please contact Lt. Mike Sacco at [mike.sacco@sheriff.pima.gov](mailto:mike.sacco@sheriff.pima.gov), if you have questions regarding the TICP or SOP.

### **PROJECT PRIORITIES**

Several activities will now begin to facilitate project implementation:

#### **Business Plan Revision:**

The PCWIN Business Plan was originally developed around conceptual designs and estimated costs. The plan will be updated to reflect specific design and cost details obtained in the procurement process. The revision will help to set expectations for annual subscriber costs based on actual known costs, allowing agencies to evaluate their future participation in the project prior to completing their IGAs.

#### **Asset Reutilization**

One of the objectives of the project was to minimize cost by making reuse of existing assets and facilities where possible. The vendor community proposed designs that, to a large extent, met the objective. It is now the responsibility of the County to obtain permission to reuse assets and facilities of other jurisdictions. A Master Site Sharing Agreement has been drafted to facilitate sharing of antenna sites. Assets of the City of Tucson, Town of Marana, and the Tohono O'odham Nation are particularly important to the system design. Development of new antenna sites in the proposed system design is minimized through this approach.

#### **Intergovernmental Agreements (IGAs)**

The Bond Implementation Plan and the PCWIN Business Plan require IGAs between Pima County and the individual participating agencies. The agreements are necessary to define agency participation, the level of services to be provided by the County, and the cost for the services. The agreements will help further refine the total number of subscriber units to be purchased, as a result, the budgetary requirement.

## **GRANT PROJECTS**

### 2006 COPS Technology Grant

- \$246,807 was approved by the COPS Office for 9-1-1 fiber installation at the 22<sup>nd</sup> Street facility
  - Contract for services is being finalized

### 2008 Interoperable Emergency Communications Grant

- \$194,000 for the Tactical Interoperable Communications Plan (TICP) and Standard Operating Procedures (SOPs)
- Scope of work was added to AECOM/CTA contract
- Contract work has commenced and is ongoing

### 2009 State Homeland Security Grant Program

- \$438,604 for two (2) microwave links to support project
- Staff Office is awaiting award notice

### 2009 UASI Grant

- Application submitted for \$2.4M to support 8-11 microwave links for the project
- Tucson UASI Steering Committee committed \$1.7M
- Final award notices are expected later in the calendar year

### 2009 Emergency Operations Center Grant

- Application submitted for \$327,532 in federal funds, with a \$109,177 County match
- If awarded, funds will purchase a motor generator for the 22<sup>nd</sup> Street facility
- Staff is awaiting award notices

### FY 2010 Appropriations Bill

- Congresswoman Gifford's office submitted a recommendation for \$200,000 to support subscriber equipment costs for the project
- Approved as part of the Omnibus Appropriations Bill
- Applications are due out later in the calendar year