

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

201



**FROM:** Riverside County Information Technology

**SUBMITTAL DATE:**  
April 13, 2005

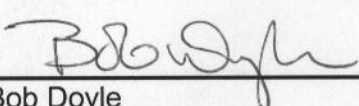
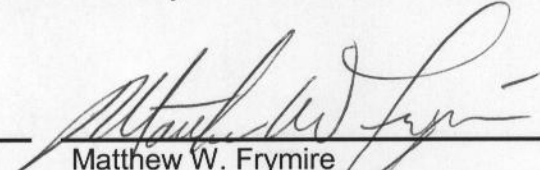
**SUBJECT:** Progress Report on 800MHz Radio System

**RECOMMENDED MOTION:** That the Board of Supervisors:

- 1) Receive and file the attached report, and,
- 2) Direct the Riverside County Information Technology Department and Sheriff-Coroner to include regular progress reports as part of the quarterly reports to the Board.

Departmental Concurrence

**BACKGROUND:** Following is a status report on the 800 MHZ Radio System. The report has been reformatted for easier reference. Sheriff, Fire, Purchasing, Facilities Management, CHA/Bio-Terrorism, RCIT and the Executive Office continue to meet on a regular basis to work on interim solutions for immediate coverage areas. Recently, a more technical sub-group has been focusing on the RFP for the radio "fix." Sheriff, Fire and RCIT executive level staff also meet on a regular basis to review management objectives and provide direction to the working committees. All departments involved are committed to addressing the radio coverage issues in Riverside County.

 _____ Bob Doyle Sheriff-Coroner-PA	 _____ Matthew W. Frymire Chief Information Officer
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<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 0	In Current Year Budget:	N/A
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	N/A
	Annual Net County Cost:	\$ 0	For Fiscal Year:	04/05

<b>SOURCE OF FUNDS:</b>	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input type="checkbox"/>

**C.E.O. RECOMMENDATION:** APPROVE

Dept's Recomm.:  Consent  Policy  
 Per Exec. Ofc.:  Consent  Policy

**County Executive Office Signature** \_\_\_\_\_  


**Prev. Agn. Ref.:** 3.57 of 10/7/03; 3.34 of 11/25/03; 3.22 of 1/13/04; 3.14 of 2/10/04 | **District:** All | **Agenda Number:**

3.21

# 800MHz Radio Status Report

## To the Board of Supervisors

March 31, 2005

### Introduction

The 1988 designed 800 MHz system and post upgrades were plagued with various problems. Continued population growth of 32% amplified the problem by requiring larger coverage areas. The Sheriff, IT and EO were directed by the Board of Supervisors to find a solution to correct the problem and insure that the deputies and other public safety personnel have the tools necessary to insure their safety and the citizens we serve. It was also directed that the County should have control over radio sites to ensure reliability and safety. The County must develop a get well plan ("the fix") for the radio system and work with cities on a future regional radio system.

### Addressing Immediate Coverage Issues

RCIT is continuing its efforts to provide conventional solutions for those areas that the Sheriff has identified as priorities. The conventional solution offers a short-term solution to allow the deputies to talk to each other by switching talk channels. This interim solution provides time for the permanent solution to be implemented. Listed below are updates on conventional solution efforts in key coverage areas, information on in-building coverage at the Southwest Justice Center, and the development of a new site in Idyllwild .

### Key Coverage Areas

- Cabazon/Banning
  - Completed conventional solution installation.
  - Efforts underway to simulcast the multiple conventional channels in this area to allow for a broader coverage area.
- Norco
  - Completed conventional solution installation.
- Jurupa
  - Conventional solution installation is in progress.
  - Expected completion date is April 30, 2005.
    - Facilities Management is resolving the stabilization of the antenna mast at the location.
- Moreno Valley
  - Design and testing of a conventional solution is in progress.
- Southwest Justice Center
  - Design complete and equipment ordered.
- Idyllwild
  - A new site is being developed at Pine Cove to allow for an interim conventional solution.
  - Facilities Management is preparing a Form-11 for lease of the Pine Cove property from the Pine Cove water district.
  - Funding for the construction of this new communication sites was recommended in the FY04/05 CIP financing plan and approved by the Board of Supervisors.
  - Although this is a leased site, the County will own the communication tower and buildings thereby providing us total control of the site to ensure reliability and safety of the site.

- Hemet
  - Design and review pending availability of resources.

### **Control of Radio Sites**

- Two sites are being developed to replace the current Indio and Edom Hill locations. This will allow the County to move off of sites provided by third-parties that we have limited control over.
- Facilities Management is preparing Form-11s for lease of these new properties.
- Funding for the construction of these new communication sites was recommended in the FY04/05 CIP financing plan and approved by the Board of Supervisors.

### **Interoperability**

- Interoperability allows common channel communications with other public safety agencies with Riverside County. Although this project is completed, some adjustments are still being made to ensure continued, effective operation.
- The Sheriff is working on a training program video for distribution to all agencies to show how this system operates.

### **Radio System "Fix"**

- RCC Consultants were hired to develop the RFP for the radio fix due to the complexity of the project, the needed coordination, and the assurance that the released RFP addressed all the needs of the public safety radio services in Riverside County.
- Coverage maps were reviewed and developed with the Sheriff to identify current coverage and dead spots.
- A committee of the Sheriff, IT, Fire, CHA and the EO meet on a regular basis to work on the radio issues and a more technical sub group has been meeting with RCC to develop the comprehensive RFP document.
- The Sheriff and IT hired Dr. Richter from the Richter Group as an independent radio consultant to assist with the review of the RFP.
- Estimated cost of the radio "fix" varies between \$46 to \$83 million.
- The Facilities Management Director has been included on the project Steering Committee due to the importance of acquiring site leases/purchases within a specified timeline. A Facilities Management representative also sits on the operational project committee.
- The RFP has been signed off by all parties and a Form-11 requesting approval in-principle for the RFP was presented to the Board of Supervisors on April 12, 2005. The RFP will then be ready for release on April 13, 2005. Responses will be due by August 31, 2005. Anticipated project timeline is January 2006 to December 2007.

### **Regional Radio System**

- Presentations have been made to all local agencies.
- Local agencies appointed a representative for the Regional Radio Steering Committee. The Steering Committee's first meeting was held on January 20, 2005. Steering Committee nominated representatives to sit on a Technical Subcommittee. This subcommittee was formed to define a strategic direction and plan for public safety radio communications for the Riverside County region. The first deliverable of

the Technical Subcommittee will be to develop an RFP to secure consulting services for the purpose of developing a Strategic Plan for regional public safety communications (10 years out) that will ensure interoperability between government agencies.

- The first meeting of the Technical Subcommittee was March 8, 2005. The next meeting is scheduled for April 14, 2005.
- A presentation was made in an attempt to obtain a portion of the Homeland Security Funding currently available for Riverside County. The presentation requested the funding to pay for the Regional Radio efforts strategic plan. The committee that oversees this funding denied the request due to other priorities.

#### **Ongoing Communication and Coordination**

- A project steering committee comprised of the Sheriff, RCIT, Fire, Facilities Management, CHA/Bio-Terrorism, and EO meet on a regular basis to coordinate efforts on the interim coverage solutions. This committee will migrate to monitoring the radio system fix project once the vendor has been selected through the RFP process.
- An executive committee comprised of Sheriff, Fire and RCIT executive staff also meets on a regular basis to review management objectives and progress status.
- Sheriff and RCIT executive staff will continue to meet directly with the Board of Supervisors to review coverage area concerns related specifically to their districts as needed.