

APPROVED 2-2-06

**Public Safety Committee
December 12, 2005
Scott Heyman Conference Room
2 p.m.**

Present: L. McBean-Clairborne, M. Robertson, P. Penniman, M. Koplinka-Loehr, G. Totman
Legislators: R. Booth, B. Blanchard, R. Booth, T. Joseph, N. Schuler, D. Kiefer
Staff: J. Wood, County Attorney; P. Meskill, Sheriff; D. Squires, Finance Director; J. Jurkovich,
K. Borgella, Planning Department; J. Crance, L. Shurtleff, Department of Emergency
Response; W. Skinner, S. Whicher, County Administration; G. Potter, Information
Technology Services
Guests: A. Tutino, Ithaca Journal

Called to Order

Mrs. McBean-Clairborne called the meeting to order at 2:05 p.m.

Changes to the Agenda

There were no changes made to the agenda.

Sheriff's Department

Information relating to jail boardouts was included in agenda packets. Mrs. McBean-Clairborne asked if there were any questions relative to the information provided; no questions were asked.

A budget transfer was presented to the Committee for information only.

Presentation on the Communications Capital Project

Mr. Whicher said throughout this presentation he would like Legislators to think about what information they would like presented at the December 20, 2005 Legislature meeting. The intent of this presentation is to provide the Committee with as much detail as possible.

Mr. Shurtleff provided the Committee with a summary of the project and stated that a mission statement was initially adopted in 2001 that stated the County would be looking to construct a system that would provide the best possible portable radio coverage at the least cost and environmental impact. He said he thinks the proposed system will bring those three objectives together. In putting together this radio system there key areas that needed to be addressed. Those are as follows:

1st Consideration

- ❑ Coverage (challenges include topography and current coverage).
- ❑ Simulcast, a system by which a signal is simultaneously broadcast from all sites that require a system. Ten licenses were issued (ten channels) through the F.C.C. which could be used at each of the sites.
- ❑ Project went to bid in 2002; three proposals were received; one of which was Motorola for the 8-12 sites that were being examined.
- ❑ The final design uses ten sites in the County. The public safety community and municipalities were involved during the last year to make sure that critical areas were covered.

- ❑ Motorola was asked to provide details on alternatives or means in which that signal could be advanced in some of the areas that would be difficult to cover.

2nd Consideration - Microwave Signal

- ❑ The signal needs to be transported throughout the County to go from site to site.
- ❑ Consultant recommended point-to-point linkage of both voice and data.
- ❑ Height of transmission facilities is critical because of obstructions in paths.
- ❑ Need for capacity in the system to handle both voice and data operations and be able to handle future applications.

3rd Consideration - Infrastructure

- ❑ Antenna height is less than 200 ft. (meeting constraints County was looking for).
- ❑ Worked with EMC and municipalities to come up with an inventory of all structures so that when the system was put out to bid the potential bidders would look first at co-locating or using sites that had already been developed for radio purposes.
- ❑ Sought to avoid unique natural areas and areas of historical and cultural significance where possible.
- ❑ Costs of development were minimized which included looking at sites that were accessible to roadways and utilities.
- ❑ Coverage is guaranteed by Motorola, within parameters, sites were driven by their engineering.

System Design

- ❑ Ten sites, linked to the Department of Emergency Response.
- ❑ Six sites have existing transmitters, rebuild, replaced, reinforce shared sites.
- ❑ Microwave to support voice, data, legacy, SWN compatibility and capacity.
- ❑ Roads, utilities shelters, generators, batteries, and alarming.
- ❑ Console upgrades included, Center will accommodate.

Mr. Shurtleff displayed a map and reviewed proposed sites. He said each of the sites would be linked together through a high speed microwave network. Each of the sites has not only been determined by the height that is needed to provide the Countywide portable radio coverage but also height necessary so that they can be linked to two other towers. Six of the ten now have existing facilities, roadways, utilities, and are capable of handling the additional County needs. The others will have work done to make them as accessible as possible. There are roadways and utilities presently near the sites.

In Phase I of the project, building the Emergency Response Center, they looked ahead toward the trunked radio technology and requirements that would be necessary. Control rooms and consoles were developed and purchased to accommodate the trunking and paging features that are involved in this project. Very minimal changes and no structural modifications are needed to be made to the building.

He showed a projection of the coverage the radio system is supposed to provide. He said the proposed coverage is acceptable by the public safety community.

Future

- ❑ Site development.
- ❑ Municipalities. The municipalities have been very helpful and will continue to be involved in the process.
- ❑ Subscriber Units/Mobile data - to be developed in the first quarter. Products are under development and operational considerations are being made. The signal needs to be transported throughout the County to go from site to site. This will continue to be discussed over the next few months.

- ❑ There will be ongoing discussions with the Statewide Wireless Network. The County's plans for each of the sites has been submitted and shared with them. A memorandum of understanding with SWN was signed several months ago.

Joan Jurkowich stated that a County project of this scope must meet requirements with the State Environmental Quality Review Act. The purpose of this process is to make the Legislature aware of the environmental impacts associated with the project and those impacts can be weighed as the Legislature moves forward making decisions about the project.

The environmental review process began in 2000. In October of this year the Legislature released a Draft Environmental Impact Statement (DEIS) for a public comment period of thirty days. The Final Environmental Impact Statement (FEIS) was completed and released on December 9th and copies were placed in Legislators' mailboxes on that day. The FEIS incorporates by reference the entirety of the DEIS. Ms. Jurkowich said the DEIS considered a variety of potential impacts of the communications system and highlighted some of the items addressed in the document.

- ❑ The process of choosing the alternative that was selected was described in the EIS.
- ❑ Temporary environmental impacts were identified, including impacts to soil and erosion during construction.
- ❑ Researched the applicable standards and electro-magnetic fields that will be generated by the system.
- ❑ A noise impact analysis was conducted which involved looking at sources of noise (generators); mitigation measures were developed.
- ❑ A public hearing on the DEIS was held on November 3rd; written comments were accepted through November 18. Comments were received from four people who own property within the vicinity of the proposed towers, four comments from municipal officials, and three County officials.
- ❑ The FEIS considers all of the comments that were received and provides a response to each of them.

Ms. Jurkowich reviewed those comments and questions that were raised more than one time at the public hearing and which were addressed in the FEIS:

- ❑ How will towns will benefit from the proposed project?
- ❑ Will the system be compatible with the Statewide Wireless Network?
- ❑ Future co-location on the towers.
- ❑ Local permitting requirements, benefits for property owners, and cell tower plans.
- ❑ Site inspection process and what alternatives were considered.
- ❑ Impact on property values as well as taxes.
- ❑ Visual impacts, health issues, noise impacts, traffic and damage to existing roads, opportunities the public had to participate in the review of the project during the process

Ms. Jurkowich said there was one substantial revision that was made to the project that was recommended as a mitigation in the FEIS. In response to public comments received on the Danby North Tower site it was determined that it was possible to move the tower further south while still maintaining the coverage and microwave connectivity of the system. By moving the tower 450 ft. south, the visual impact from roads will be reduced, although not eliminated. It will also reduce the noise impacts on nearby private residences. It was also determined that the relocation would not cause any additional environmental impacts.

She explained the final steps in the environmental review process for the project and stated once the findings statement is complete it will move forward to the Legislature on December 20th.

Mr. Wood, County Attorney, reviewed the following information pertaining to the contract between Tompkins County and Motorola with the Committee. He noted the issues that were of concern have been resolved. He believes the proposed contract meets all of the County's needs and accomplishes what is needed.

1. General Terms and Conditions
 - Performance Bond.
 - Indemnification and Defense.
 - Insurance.
 - Warranty – 1 year.
 - Payment Terms – (procedures).
2. Statement of Work
 - The site work (including towers) is a separate contract from the radio system so there was much discussion as to what work Motorola will perform as opposed to the site contractor, particularly with respect to antennas and related equipment.
 - Coordinating with site contractor.
3. Project Detailed Documents
 - Lists every single piece of equipment at every site.
4. Payment Schedule
 - Total \$13,199,762,=
 - \$11,222,158 for System,
 - \$1,977,604 for Subscriber Equipment,
 - Benchmarking
 - When do we pay – what are the milestones (delivery of materials, installation of materials).
 - Retainage of 10% or \$1,122,216 payable at final acceptance.
 - Minimum purchase of subscriber equipment.
5. Functional Specifications
 - Describes the functions that the system will perform.
6. Coverage Acceptance Testing and Maps
 - A real test of how the system works.
 - The subject of much discussion. Motorola agrees to test 1/4 mile grids instead of 1/2 mile grids throughout the County at no additional cost.
 - This means over 4,000 grids to be tested. 95% must pass.
 - Testing based on portable coverage – mobile coverage will be even better.
 - Motorola will provide additional objective data in addition to test results.
7. Training Plan
 - Motorola agrees to provide training to additional personnel at no additional cost.

8. Performance Schedule
 - Final detailed design.
 - Expected completion of site work by site contractor - July 2006.
 - Motorola builds and tests equipment.
 - Motorola delivers equipment.
 - Motorola installs equipment – complete September 2006.
 - Coverage Acceptance Test – October 2006.
 - Final Acceptance - December 2006.

9. Post Warranty Hardware and Software Maintenance Options
 - Hardware and Software (one-year warranty on hardware and software).
 - Annual options.
 - Much discussion regarding software. Motorola agrees to provide \$85,000. (per year) audit and installation service at no cost with software updating package. This is a savings of \$85,000 a year.

Mr. Shurtleff spoke about the paging system and said in 2001 when the County was preparing to do an RFP for the larger system there were concerns about the state of the current paging system and its vulnerability and the 800 mhz system did not provide voice paging. A request was put out to design a paging system that could overlay in the future system. United Radio of Syracuse was selected as the vendor at the time. When the RFP was put out for the 800 mhz system, provisions were put in that the successful bidder had to confirm that their sites would work for a paging system. One of the problems that has been encountered was one of the areas that did not have infrastructure in place to support the 800 mhz system also could not support the paging. In order to get Countywide paging coverage they needed to be colocating on some of the sites where the County didn't currently have a tower.

In 2002, United Radio gave the County an estimate of \$425,000 to build a paging system using between eight and ten sites; since then there have been many changes which have resulted in a reduction in that cost to \$281,000.

At this time Mr. Whicher distributed the following projected cost estimates for the Public Safety Communications Project.

Total Estimated Expenditures:

Motorola:	Microwave backbone and voice system:	\$11,200,000
	Subscriber equipment	2,000,000
Site Development Work:	Including towers and shelters	2,000,000
Paging:	Integrated with microwave backbone:	300,000
Mobile Data:	Hardware and software:	1,000,000
Consultants:	Project and EIS:	1,000,000
		<i>(\$600,000 Phase II est)</i>
	Approximate total:	\$17,500,000

Projected Funding:

2005 Budget	\$1,200,000
2006 Budget	1,000,000
Member Item Federal Grants	1,000,000
Requested Member Items	2,000,000

Approximate total: \$5,200,000

Estimated Additional Local Funding Needed (Supported by \$1,500,000 in tax levy) 12,300,000

Potential Range for local funding \$12,300,000-15,000,000

Note: the local funding will be financed through a lease purchase, bonds or a combination of the two.

Annual Maintenance Costs:

Motorola systems and software: (Dependant on options selected at end of one year) \$150,000 – 350,000

Mobile Data: (Hardware reserve and software maintenance) \$150,000

Approximate cost range: \$300,000 – 500,000

Funding Sources:

Existing Emergency Response budget \$100,000

Co-location fees \$100,000

SWN and future co-location fees \$100,000 – 300,000

Mr. Whicher thanked everyone who has been involved in this project and said everyone on the team supports the end project and contract with its cost.

At this time the Committee asked questions of staff; the presentation will move forward to the December 20th Legislature meeting.

RESOLUTION NO. - AUTHORIZING THE COUNTY ADMINISTRATOR TO ENTER INTO A CONTRACT FOR SITE WORK INCLUDING THE CONSTRUCTION OR MODIFICATION OF TOWERS AT SITES NEEDED FOR AN 800 MHz TRUNKED DIGITAL COMMUNICATIONS SYSTEM

It was MOVED by Mr. Penniman, seconded by Mr. Totman, and unanimously adopted by voice vote to approve the following resolution and submit to the full Legislature.

WHEREAS, the County has identified sites needed for its new 800 MHz trunked digital emergency communications system, and

WHEREAS, work must be done at each site including the provision of shelters and the addition or modification of towers, and

WHEREAS, the County has prepared specifications for the site work, and

WHEREAS, the County will be issuing a bid for a site work contractor, now therefore be it
RESOLVED, on recommendation of the Public Safety Committee, That the County Administrator is authorized to enter into a contract for site work, including the provision of shelters and the addition or modification of towers construction and modifications at all identified sites in an amount not to exceed \$2.5 million.

SEQR ACTION: TYPE I (Environmental Impact Statement Prepared)

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RESOLUTION NO. - AUTHORIZING THE COUNTY ADMINISTRATOR TO ENTER INTO A CONTRACT WITH MOTOROLA FOR A TRUNKED DIGITAL COUNTYWIDE EMERGENCY COMMUNICATION SYSTEM

It was MOVED by Mr. Penniman, seconded by Mr. Totman, and unanimously adopted by voice vote to approve the following resolution and submit to the full Legislature.

WHEREAS, the County's current emergency communication system does not provide reliability or coverage sufficient to meet the needs of police, fire, ambulance and other emergency service providers in the County, and

WHEREAS, in response to a request for proposals, the County received proposals from Motorola to design and build an 800 MHz digital trunked radio system that would meet the needs of emergency service providers and significantly improve coverage throughout the County, and

WHEREAS, the County selected a negotiating team to negotiate a contract with Motorola, now therefore be it

RESOLVED, on recommendation of the Public Safety Committee, That the County Administrator is authorized to enter into a contract with Motorola for the construction of an 800 MHz trunked digital emergency communications system at a contract price of \$13,199,762.00.

SEQR ACTION: TYPE I (Environmental Impact Statement Prepared)

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RESOLUTION NO. - PAGING SYSTEM CONTRACT WITH UNITED RADIO, INC.

It was MOVED by Mr. Penniman, seconded by Mr. Totman, and unanimously adopted by voice vote to approve the following resolution and submit to the full Legislature.

WHEREAS, Tompkins County issued a Request for Qualifications for design and development of a multiple site simulcast radio paging system in September 2001, and

WHEREAS, the paging system will integrate with, and share infrastructure to be developed for the public safety communications system, and

WHEREAS, United Radio, Inc., of Syracuse, NY, was selected to provide an engineered paging system and implementation plan, and submitted preliminary designs and cost proposals on April 19, 2002, and

WHEREAS, United Radio, Inc. has since coordinated site configuration and system designs with Motorola, Inc., the selected vendor of the Public Safety Communication System, and United Radio will utilize the Motorola provided microwave system as the pathway for all voice and data transmissions, and will co-locate paging equipment at the same sites as Motorola, now therefore be it

RESOLVED, on recommendation of the Public Safety Committee, That the County Administrator is hereby authorized to execute a contract with United Radio, Inc., for the provision of a countywide simulcast system at a price not to exceed \$300,000.

SEQR ACTION: TYPE I (Environmental Impact Statement Prepared)

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**RESOLUTION NO. - APPROPRIATION FROM CONTINGENT FUND FOR
REPLACEMENT AND TERMINAL PAY - DEPARTMENT OF
EMERGENCY RESPONSE**

It was MOVED by Mr. Penniman, seconded by Mr. Koplinka-Loehr, and unanimously adopted by voice vote, to approve the following resolution and submit to the full Legislature.

WHEREAS, the Department of Emergency Response had one employee, an Emergency Services Dispatcher, placed on disability effective March 12, 2005, and has since been placed on permanent disability, and

WHEREAS, the Fiscal Policy of Tompkins County allows for replacement pay from the Contingent Fund, now therefore be it

RESOLVED, on recommendation of the Public Safety and the Budget and Capital Committees, That the Director of Finance is hereby authorized and directed to make the following budget appropriations:

FROM:	A1990.54440	Contingent Fund	\$15,851.28
TO:	3410.51000551	Salary, Emergency Dispatcher	\$11,403.80
	3410.58800	Fringes	<u>4,447.48</u>
		TOTAL	\$15,851.28

SEQR ACTION: TYPE II-20

**RESOLUTION NO. - ACCEPTANCE OF STATE HOMELAND SECURITY GRANT -
EMERGENCY RESPONSE CENTER**

It was MOVED by Ms. Robertson, seconded by Mr. Koplinka-Loehr, and unanimously adopted by voice vote to approve the following resolution and submit to the full Legislature.

WHEREAS, the State Homeland Security Program (SHSP) has allocated funding in the amount of \$65,000 for Tompkins County's public safety responders through a grant program to be administered through the Department of Emergency Response, and

WHEREAS, the funds will be advanced to the County for use by the end of Federal Fiscal Year 2005-2006 in the implementation of State and local terrorism response strategies, and

WHEREAS, the funds must strictly support planning, equipment, training, and exercise needs associated with preparedness and prevention activities for terrorist events using weapons of mass destruction involving chemical, biological, radiological, nuclear, and explosive materials, and

WHEREAS, comprehensive first responder training and agency equipment needs meet eligibility requirements of the program and are consistent with local public safety needs and initiatives, now therefore be it

RESOLVED, on recommendation of the Public Safety Committee, That Tompkins County accepts the SHSP funding for responder training and equipment activities, and hereby assigns the Department of Emergency Response to administer the local program pursuant to the review of the Public Safety Committee,

RESOLVED, further, That the Finance Director is hereby authorized to make the following adjustment:

FROM:	(2006) 3410.43389	Other Public Safety	\$65,000
TO:	(2006) 3410.54400	Program Expense	\$65,000

SEQR ACTION: TYPE II-20

Approval of Minutes of November 3, 2005

It was MOVED by Mr. Koplinka-Loehr, seconded by Mr. Penniman, and unanimously adopted by voice vote, to approve the minutes of November 3, 2005.

Approval of Appointments

It was MOVED by Mr. Koplinka-Loehr, seconded by Mr. Penniman, and unanimously adopted by voice vote, to approve the following appointments and submit to the full Legislature:

Criminal Justice Advisory/Alternatives to Incarceration Board

Louise Miller	Agency representing a crime victim	12/31/2008
James Salk	Town or Village Court	12/31/2007
Marilyn Ray	At-Large	12/31/2008
Susan Robinson	At-Large	12/31/2008

Emergency Communications Review and Oversight Committee

Lee Shurtleff	Director of Emergency Response	12/31/2008
Peter Meskill	Sheriff	12/31/2008
Kenneth W. Lansing	Village Police Chief	12/31/2008
Lin Hurd	Communications Center Manager	12/31/2008
Vincent Monticello	Ithaca Police Department	12/31/2008
Tim Bangs	Commercial Ambulance Service	12/31/2008

STOP-DWI Advisory Board

Patricia A. Buechel	Probation Department	12/31/2008
James Steinmetz	Village Police Department	12/31/2008
Charles E. Howard	At-Large	12/31/2008

Family Court Advisory Council

Joanne Conway Pietrasz	Mental Health	12/31/2008
Chris Ion	Probation	12/31/2008

Advisory Board on Indigent Representation

Gino Bush		12/31/2008
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Adjournment

The meeting adjourned at 3:28 p.m.

Respectfully submitted by Michelle Pottorff, Legislature Office