PUBLIC SAFETY TRUNKED RADIO SYSTEM (TRS)

AUGUST 29, 2011

DISCUSSION POINTS

➢ System Subscribers

➢ History

➢ GRU

➢ System Value

➢ Projected Cost

➢ System Life

➢ Vendor Proposals

➢ Summary & Recommendations

SYSTEM SUBSCRIBERS

- Alachua County Government
- City of Gainesville Government
- Alachua County Sheriff's Office
- ACSO Department of the Jail
- Alachua County Dept of Public Safety
- City of Waldo Police
- Gainesville Police
- Gainesville Fire-Rescue
- University of Florida Police
- Santa Fe College Police
- City of Newberry Fire Dept.

System Subscribers

➢ City of High Springs Fire Rescue
➢ City of High Springs Police
➢ GRU Electric, Water, Waste Water Operations
➢ City and County Public Works
➢ School Board of Alachua County
➢ Gainesville/Alachua Co. Regional Airport Authority.
➢ City of Gainesville Regional Transit System
➢ City of Alachua Police
➢ Alachua County Health Dept.
➢ Shands Health Care ER
➢ VA Emergency Room

HISTORY

- ➤ Prior to 1999 on VHF and UHF radio communications systems
- ➤ There was no ability to share radio channels
- ➤ No interoperable communications
- ➤ Very limited coverage
- ➤ In 1999 interlocal signed by COG, County Govt, UF, and GRU
- ➤ In 2000 1st phase go live with City towers for GPD and GFR
- ➤ 2001 County towers go live with additional tower sites for ASO, ACDPS and others

GRU AGREEMENT

➢ Interlocal Agreement established on November 9, 1999

➢ The Agreement ends September 30, 2015

➢ Set specific criteria for performance

➢ Termination for non-performance only

➢ Controlled Cost

➢ Established the Radio Management Board

System Value

- Interoperability
  - Model system sought by other communities
    - All LE; all EMS & Fire within Alachua Co are on the same radio system allowing interoperable communications
  - Nationwide mutual aid channels
    - 8CALL90 & 8TAC91

- Infrastructure
  - 6 tower sites
    - High Springs, Phifer, Millhopper, GPD, WYKS, Austin Cary Forest

- Management
  - Radio Management Board (RMB)
  - Maintenance
    - 24 hour 7 day per week system monitoring by GRUCom NOC

System Life

➢ 6809 Smartnet Controller
   End of Motorola support was December 31, 2008

➢ 6809 Smartzone Controller

➢ Not Project 25 (P25) compliant

➢ The support agreement with GRU ends
   September 30, 2015

Vendor Proposals

- Motorola
    - Forklift solution
    - $13.4M
- Tyco
    - Forklift solution
    - $12M
- Raytheon
    - Firmware solution
    - $4.5M

ALTERNATIVES

➢ Replace the Trunk Radio System 12 to 13 million by Sept.2015.

➢ The State Law Enforcement Radio system (SLERS) only has 2 radio channels and is not P25 compliant (2018)

➢ Extend the life of the current trunked radio system with GRU.

TIMELINE

- The current radio system will be at the end of its useable life* by September 30, 2015

- It is reasonable to expect the build time for a new radio system to be 8 to 10 months

- The time to bid and select a vendor could take up to six months

- The time to select a consultant and design a new radio system: six months to one year.

- A decision should be made by Fiscal Year 2012

CRITICAL DECISION POINTS

➢ A solution to a project of this magnitude, cost, and complexity should be decided by FY12

➢ New interlocal agreement ASAP

➢ Identify all partners who will help fund the system

➢ Hire a consultant ?

TRS System Upgrade Proposal

- Replace Current Controllers with New Switches

- Upgrade/Replace Consoles

- Meet P25 Requirements

- Extend Technological Life of System to 2018

- Reduced Radio Subscription Rate

- New Interlocal Agreement - Extend Contract

Pricing Options

	Radio Fee	Console Fee	Console Status	Console Owner
Existing	$63.12/mo*	$252.48/mo*	Upgrade	Users
Pricing 2	$53.00/mo*	$275.00/mo*	New	GRUCom
Pricing 3	$53.00/mo*	$250.00/mo*	New	Users**

- * Initial Price
- ** Users Purchases Consoles

QUESTIONS?

SUMMARY