

# EMERGENCY SERVICES

Voice Interoperability Emergency Responders (VIPER)

800 Workgroup

# Existing System

- Same system since 1976
- Analog System
- Narrow Banding (2013)
- Single site transmission



# End User

- ① EMS & Fire system users
- ① Age of the existing radio system
- ① No interoperability
- ① Unsecure radio system

# 800 Technology

- P 25 Compliant
- State-wide interoperability system
- Nation-wide emergency response matrix system

# Infrastructure

- Dec 2012 radio system study was performed
- Already existing tower system in place
- Add additional channels to the system
- Upgrades to existing EMS & Fire system

# Benefits of an 800 system

- ① Interoperability
- ① Noise cancelling software
- ① Dedicated mayday channel
- ① Radio ID system (Caller ID system)

# Emergency Medical Service

- Better range of communication
- 60 incidents were recorded interaction with law enforcement
- Direct contact with medical control
- Interoperability with other agencies

# Sheriff's Office

- Secure communications
- Wider range of channels
- Interoperability with state & federal agencies
- Mayday channel



# VOLUNTEER AGENCIES

Fire & Rescue

# Fire & Rescue

- Secure system
- Managed access
- Dual Band radios
- Interoperability during times of disaster with state agencies
- Noise cancelling software ▶



# Management of the system

- ① Controlled access
- ① Stolen equipment
- ① Building use ordinances

Financial

	Hand Held Units	Car Radios	Cost
EMS	16	4	\$ 125,380
Fire	177		\$ 1,110,780
Law Enforcement	80	65	\$ 600,000



# VIPER System

● Radio Infrastructure	\$396,000
● Sheriff's Office Radio's	\$ 600,000
● EMS Radio's	\$ 125,380
● Fire & Rescue Radio's	\$ 1,110,780
● Total	\$ 2,232,160

# Radio System CIP

- Fire & EMS System      \$1,018,500
- VIPER System              \$ 2,232,160
- Total                         \$ 3,250,660

# Questions