

P25 Radio Upgrade Project

I. Existing Systems

- Public Safety (20 channels)
 - 5 site simulcast trunked
 - CFW and 15+ agencies
 - Installed in 1992
 - Out of support
 - Reliability concerns
- Public Works (20 channels)
 - Single site trunked
 - CFW and The T
 - Upgraded in late 1990s
- NCTCOG Overlay System (4 channels)
 - 4 site system (Tarrant, Dallas, Collin, Denton)
 - Tarrant County only
 - Harris system
 - Installed 2010
- Microwave
 - Connects all radio sites and CFW dispatch centers
 - Alcatel Lucent
 - Replaced 2012

II. Assessments

- Independent Consultant
 - Buford Goff & Associates
- Initial Assessment – 2009
 - Outlined critical need for public safety communications improvement
- Fort Worth and Regional Roadmaps – 2011
 - Plan for Fort Worth and existing customers to P25
 - Plan for Tarrant County 9-1-1 District members to P25

III. Partnerships

- NTICC – 2009
 - Going for grants and earmarks
 - NETCO, Arlington, Grand Prairie, Fort Worth
- Tarrant County 9-1-1 District – 2010-present
 - Four consultant studies

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- Examining broad range of support
- Currently examining interoperability communications coordination

IV. Acquisition

- Phase I – 2010
 - Acquired master switch and one site
 - On air – 2011
 - Completed Spring 2012
- Negotiations
 - Buford Goff & Associates – design, engineering
 - Concluded May 2011
- Cost
 - Motorola - \$40-million
 - Site Construction/Project Management/Other - \$11-million
- Funding
 - Tax Notes - \$42-million
 - CCPD - \$5-million
 - IT Department Fund Balance - \$3-million
 - Federal Grant - \$600,000

V. Highlights

- Additional Sites
 - West Fort Worth – 6th simulcast site
 - Texas Motor Speedway – standalone site
- All Sites
 - New shelters
 - New generators
 - Security systems
- Dual layers (40 channels total)
 - 6-site simulcast trunked
 - All with access to both
- Other
 - Both systems operational July 2013 through December 2014
 - Core utilized by Johnson Co, NETCO, Mansfield
- Contract
 - Discounts for customers through December 2014
 - 9.1% infrastructure, 20% subscriber units (off HGAC prices)