Something Old
Something New
Something Borrowed
Something Blue

Working Together, Building a Communications Site

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Presented here are two case studies showing how agencies with common causes, needs, and the Texas working together spirit, came together, worked together, solved the problems together, make strong bonds of team ship in serving the needs of public safety communications.

Much in the manner a marriage is made between people who have a common bond or need.
Case Study

PART

I
Something Old

The age old problem of not enough coverage in a radio system
Area of needed coverage

Lampasas Tower Site
SOMETHING NEW

Add a site, add a tower, add more coverage, add More Costs.... NO PROBLEM...!!...???
SOMETHING NEW

• Get Creative
• Do it different
• Partner with agencies who have an interest
Something Borrowed

- Texas Department of Transportation
  - 350 foot, Self Supporting Tower Site, Shelter and Upkeep of the Site
- Texas Department of Public Safety
  - Motorola, VHF, 3 Channel, P25 Trunking Site
- Burnet County
  - 1 acre of Land for the tower site
- City of Lampasas
  - Deeded 1 acre of land to Burnet County at the old dump ground for the tower site
- Lampasas County
  - Helping with site preparation
- City of Austin / Greater Austin Travis Regional Radio System (GATRRS)
  - Use of Motorola Master Core to run the site and be part of the system
- Western Region Radio System
  - Lampasas site part of the WRRS layer to provide LMR coverage for public safety responders in the affected areas of north Burnet County
Today, rising into the blue skies of Central Texas is a 350 foot tower providing a communications site and coverage in northern Burnet County.
Case Study

PART II
Something Old

West Texas rural trunking system with a very old and dying Master Core... What do you do??
SOMETHING NEW

• Get Creative
• Do it different
• Partner with agencies who have an interest
SOMETHING NEW

- Funding
- Equipment
- Deployment
Something Borrowed

- Permian Basin Regional Planning Commission (PBPRC)
  - Grant funding for work on replacing ageing Motorola Quantars with GTR8000
  - Grant money to realign microwave dishes and other tasks to connect the system
  - Support by members of the PBPRC
- Texas Department of Transportation
  - 350 foot, Self Supporting Tower Site, Shelter and Upkeep of the Site
  - MPLS, AVPN circuits to backhaul site connections to the GATRRS Core in Austin
- Texas Department of Public Safety
  - Motorola, 700Mhz, 3 Channel, P25 Trunking Site
- City of Austin / Greater Austin Travis Regional Radio System (GATRRS)
  - Use of Motorola Master Core to run the site and be part of the system
- A pool of talented public safety radio subject matter experts (The BrainTrust) who had a vested interest in helping the system continue, grow and thrive made up of agencies who uses the system.
Following 3 years of collaborative work, sweat, blood and tears the system is complete except one site.

Using a portable radio and a properly provisioned talk group, contact can be made from Pecos area to Austin to Houston across the blue skies of Texas.
P25 Trunking Systems Accessible by TxDOT in Southern Texas

Mobile Coverage, 50 watts, 3 DB Gain Antenna

1 inch = 83.52 miles

TDEM Emergency Management Conference

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The power of a worker is exponentially multiplied each time an additional worker is adding to a team.

These case studies are examples of how team work produced assets that filled the bill, distributed the cost and made the job safer and better.
Questions

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