



Findings of the Citizens' Radio Committee

The Riverside Board of Aldermen appointed a committee to evaluate and make a recommendation on Public Safety's proposal to replace the City's emergency radio system. The Committee met a total of 6 times, reviewed an extensive amount of material, received numerous briefings and made two site visits. The Committee members are: Beverly Allen, Robert Bayless, John Carr, Pat Casey, Mary Churchill, Jim Dwyer, Ron Getty, Cy Houston and Chris Whitaker.



Riverside's Need for a new Public Safety Radio System

- The current radio system is technologically obsolete, unreliable, erratic, and places police, fire, and the community at risk.
- Signal coverage is prone to “black-outs”, static, and interference resulting in serious communication deficiencies in:
 - Low lying commercial and industrial areas
 - Most large buildings including the High School, Argosy, and Red X
 - Low lying highway areas such as Hwy 9 & I-635

Need for a new Public Safety Radio System (con't.)

- Operational performance is deficient in that
 - The current system is not capable of supporting police and fire calls at the same time
 - Police and fire supervisors are unable to coordinate efforts in an emergency situation
 - Lack of “interoperability” --Riverside Public Safety is unable to communicate with other area emergency response agencies when responding to catastrophic accidents or disasters
 - Police and fire agencies do not have radio communication capabilities with other Riverside departments such as Public Works, Code Enforcement



Summary

- A band aid “fix” of the current system will not resolve connection nor interoperability problems
- Riverside residents, workers & visitors *at risk*
- Public Safety personnel *at risk*
- Current system will be “useless” within 3-5 years
- City of Riverside and public safety agencies could be vulnerable to increased liability
- Recommend that Riverside replace the current radio system with a P25 Digital System as proposed

The P25 System Plan for Riverside

- Riverside would be upgraded to digital technology and capabilities
- Join the Kansas City P25 Digital System (gateway to Regional System)
- All P25 digital features would be part of Regional System providing regional compatibility
- Shares KCMO Master Site/switch
- Shares recurring costs
- No site maintenance responsibility (maintained by KCMO)
- Upgrade Riverside Dispatch Consoles and equipment
- Purchase of all new portable and mobile radios
- Construction of 325 ft. tower and equipment
- Possible recovery of some of the cost as other areas join the Regional System

TOTAL COST *: **\$4,100,000**

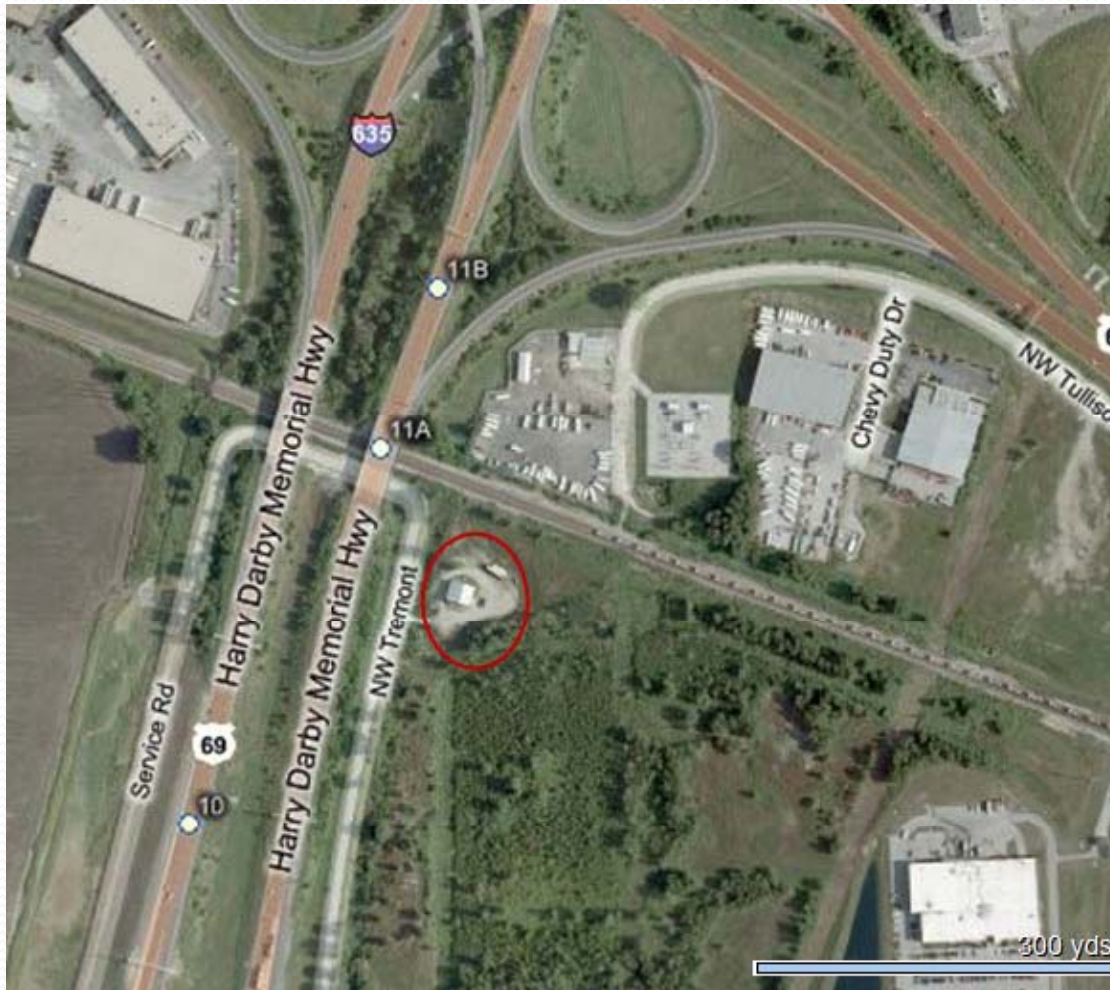


tusa | consulting services
Our Radio Systems Speak for Themselves.

Advantages of The P25 System for Riverside

- Would Resolve Police & Fire communications issues
- Greatly improve safety through system coverage & reliability including the high school, casino, Red X and all low lying areas and highways.
- Meet FCC requirements
- Provide *Interoperability* (communication) with emergency response agencies region wide

Tower Location—City-Owned Property



Tower Location / Industrial Area





Project Funding

- Spend it now or spend *more* later
 - Motorola estimates that engineering Riverside's digital system at the same time as the regional system will result in a 20% savings for Riverside.

Project Funding

Funding Source	Funding Amount
Current CIP Funding	\$1,000,000
Reduce Fire Truck Replacement	\$250,000
Transfer from 2009-10 Infrastructure Maintenance	\$500,000
Transfer from 2010-11 Infrastructure Maintenance	\$1,000,000
Transfer from Contingency/Prof Fees for Horizons	\$1,350,000
	=====
	\$4,100,000

Committee's Unanimous Recommendation

- Approve Public Safety's proposal to update the current radio system to a P25 digital system that will be a part of the regional emergency network. Rational for this recommendation is:
 - Result in a large cost savings in the long term
 - Greatly increase Community, Police, and Fire Safety
 - Be an important step forward in the management and development of Riverside as part of the regional area.