



**Federal  
Engineering®**

**FOR IMMEDIATE RELEASE**

## **Routt County Awards Federal Engineering Radio Consulting Contract**

**FAIRFAX, VIRGINIA**, May 23, 2011 — Routt County, Colorado has awarded Federal Engineering, Inc. (**FE**) a contract to assess the coverage of the current radio system in the Oak Creek, Colorado area and provide recommendations for improvements and their associated costs.

Mr. Timothy P. McMenamin, Communications Director for the Routt County Communications Department, described the program: "Our existing system is a Motorola 800 MHz digital trunked radio system. An area of poor radio coverage encompassing approximately 31 square miles is the subject of this study. We would like recommendations and the estimated costs of each recommendation to improve this coverage to provide 95% or better coverage utilizing mobile radios without adding an additional communications site. Federal Engineering was chosen based upon their outstanding background as reflected in their winning proposal."

"**FE** radio engineers rely upon industry best practices when performing radio systems coverage analyses. Technical design efforts include user radio range predictions based upon recognized standards including the Telecommunications Industry Association (TIA)-603 and Technical Services Bulletin (TSB)-88C," according to Mr. Ronald F. Bosco, the firm's President.

Mr. Bosco continued: "To analyze system performance, **FE** consultants use **FEPerformancePro™**, the most comprehensive systems analysis package in the industry. This integrated set of tools provides our experts with state-of-the-art network modeling technology. **FEPerformancePro™** tools include:

- **FECoverage™** – complete coverage analysis tool
- **FEMapper™** – high-resolution mapping tool
- **FENetwork™** – network capacity analysis tool
- **FEMitigate™** – system-wide interference analysis tool

After developing our recommendations **FE** consultants, using our **FECostPro™** tool, will analyze the potential cost of the recommended solution based upon our knowledge of previous system designs similar to the Routt County. This high-level, quantitative analysis will rely upon our financial team's knowledge base which spans hundreds of previous projects."

**FE** provides a wide range of land mobile radio analysis, design, procurement support, and implementation management services for public safety, public service, transportation, and energy systems. The firm also provides security analyses, disaster recovery planning, strategic assessments, product analyses, market research, and business planning services in telecommunications and related fields.

As a nationwide communications systems planning and design firm, Federal Engineering develops voice, data, and video networks for a wide range of end users, including organizations in the aerospace, energy, finance, education, publishing, and computer services fields. In addition to its private sector work, **FE** has completed hundreds of communications projects for 30 state governments, as well as numerous local and federal government clients. **FE's** certified independence ensures that clients receive objective, unbiased consulting services that are not influenced by any particular technology, product, vendor, or approach.