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FOR IMMEDIATE RELEASE

Orange County Selects Federal Engineering for Emergency Radio Communication Tower And System Infrastructure Upgrade Plan

FAIRFAX, VIRGINIA, May 6, 2013 — Orange County, NC has selected Federal Engineering, Inc. (**FE**) to develop a plan to upgrade the County's emergency radio communications system and all its supporting infrastructures.

Orange County Emergency Services issued a request for proposals to contract with a firm to perform research and provide recommendations for a system upgrade plan. Federal Engineering was selected as a result of a thorough evaluation process and their unbiased approach to developing the infrastructure recommendations. The County will use the results of these recommendations to develop budget requests for system improvements beginning in fiscal year 2013-2014. **FE** has successfully completed multiple programs in North Carolina and offers a unique understanding of the needs and circumstances of local governments.

Mr. Ronald F. Bosco, **FE's** President, provided an overview: "Orange County has been operating as a subscriber/manager of the North Carolina State Highway Patrol's (NCSHP) Voice Interoperability Plan for Emergency Responders (VIPER) since 2009. Due to recent additions of 350+ users, system congestion has increased indicating a need for additional capacity. Further, signal strength and coverage are not optimal often resulting in dropped calls or poor reception in areas throughout the county. The current system design dates back to 2003 and is in need of an upgrade. Federal Engineering will collect information from the County, NCSHP VIPER, stakeholders, and third-parties regarding the existing radio infrastructure. We will document user requirements and collect usage data. **FE** will also conduct research into certain geographical areas, urban structural interference and other anomalies negatively affecting transmission and reception. **FE** will then perform data analysis on the information gathered and provide recommendations for new tower siting, construction, system upgrades and system redundancy to ensure that coverage and capacity requirements are met. The new radio plan will address system upgrades to accommodate additional users through the year 2025."

Federal Engineering provides a wide range of design and management services in public safety and public service communications involving LTE as well as traditional VHF, UHF, 700 MHz, 800 MHz, 900 MHz and 4.9GHz mobile radio systems. **FE** also assists in the design and implementation of E911, PSAPs, ECCs, and EOCs. Since 1983, **FE** has completed thousands of communications projects for 40 state governments, as well as numerous local and federal government clients. Most recently, **FE** has expanded its service offerings to support FirstNet planning in anticipation of the Nationwide Public Safety Broadband Network.

In addition to its public sector work, Federal Engineering provides design and implementation support services for voice, data, and video networks used in the transportation, utilities, aerospace, finance, education, publishing, and computer services industries. **FE's** certified independence ensures that clients receive objective, unbiased consulting services that are not influenced by any particular technology, product, vendor, or approach.