



PROJECT NAME: Consultant Services Radio Communications System Fort Lee, NJ

Concepts To Operations was retained by the Borough of Fort Lee to identify the radio communications needs, and to provide a comprehensive Public Safety radio system analysis and submit recommendations.

As part of **Phase I**, CTO performed a needs analysis that included site visits, interviews and data gathering of the radio system, equipment, towers, FCC licenses, etc. CTO performed interference studies and propagation studies at different bandwidths. CTO developed system alternatives and evaluated these alternatives. CTO has made recommendations for a new radio system based on available frequencies, interference, in-building coverage, cost, and the particular needs and conditions of the Borough of Fort Lee.

As part of **Phase II**, CTO prepared specifications for procurement for a UHF two (2) site, six (6) channel simulcast trunked P25 Phase I compliant radio system and its ancillary systems. Coverage to a large number of buildings within the Borough is paramount for public safety operations; to that end CTO developed comprehensive in-building as well as on-street coverage requirements as part of the procurement document. CTO evaluated vendor responses to the bid request and provided recommendations to the Borough. A vendor was selected and contract negotiated.

As part of **Phase III**, CTO provided installation supervision and quality assurance services for the installation and testing coverage for both out-doors as well as in-building and underground for the Borough-wide two (2) site UHF P25 Simulcast Trunked Radio System.

Phase III includes:

- ✓ Site Acquisition and Construction;
- ✓ Factory Staging system;
- ✓ Installation oversight;
- ✓ System testing;
- ✓ System training; and
- ✓ System acceptance.

CTO attended and participated in system testing and observed system training to ensure vendor's contract obligations.