AI Engineers, Inc.

An Integrated Approach to Infrastructure Solutions

Milford – Norwalk Underground Transmission Lines – Survey

Milford – Norwalk, CT

Project Description:

Location
Milford/Norwalk, CT

Owner
ConnDOT

Duration
2005 - 2006

Construction Cost
$100 million

AI Engineers was part of the Northeast Utilities Underground Transmission Line upgrades between Milford and Norwalk, CT. AI was teamed with BL Companies to provide the boundaries and Topographic survey & subsurface utilities designation by non-destructive methods for an 8-mile section of the 21 mile high voltage underground transmission project. AI established the survey controls for our section using the Connecticut State Plane Coordinate System by traverse and performed a standard topographic survey to acquire all visible features and obtain top of frame/cover and inverts of utility systems.

The assignment required researching to determine which utilities are located within project limits, acquiring all their mapping from these private & public utilities. The purpose of the assignment was to establish the actual locations & depth of all above & underground utilities that would be impacted by the proposed underground transmission line with splice vault and control structures construction.

AI established the Maintenance & Protection of Traffic Plans as much of the survey was on state highways and local streets. AI obtained highway/street use permits for the survey designating.

AI also assisted in the engineering design by developing construction schedules, establishing material stock pile location and construction sequence plans.

This project involved typical survey within right of way limits along Route 1 and other major roads along the corridor in the towns of Milford, Stratford, Bridgeport, Fairfield, Norwalk and Westport.

Salient Features

- Utility Locating
- Aggressive Project Schedule
- Field Survey Including MPT (Along the Route)
- Property Owner Identification
- Field Edit of Photogrammetry
- CADD Deliverables
- Construction Scheduling