



## 2009 ITS Project of the Year Award

### Finalist Project

#### Kane County Traffic Systems Center

The purpose of this Randall Road traffic signal project is to provide an Ethernet Link from 27 intersections on Randall Road to a new Kane Cty Traffic Systems Center. Brown Traffic and Meade Electric installed new traffic cabinets, controllers, Ethernet MMU, BSS, and PTZ cameras and video detection.

The Enterprise Terminal Server operating Virtual PCs that are programmed with a minimum of five TranSuites OGL Workstations.

The Kane Cty Hwy Traffic Operations are performed by Board of Public Utilities (BPU). The use of a Virtual Server design allows the active TranSuites Workstations to be active on a Virtual PC installed in the Kane Cty building. The Virtual PCs are addressed via BPU Network in a Terminal Server Mode -that is, the BPU personnel using their standard computer can address their PC on the Virtual PC and remotely operate the Virtual PC with no added programs on their computers, and without requiring the use of the Internet. The VirtualServer/PC unit can be maintained by BPU IT Section which is allowed as the position maintaining the Server is authorized Internet/Administrator privileges. Completion of the design to include all programs (MMU, UPS, Video Image Detection, etc.) being operated on this server is in progress pending a NIC device that allows lineage via a trunk- tagged VLAN application currently being installed.

The results allow 5 different agencies to maintain, control, and serve Kane Cty for improved Illinois Air Quality.

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