

City of Raleigh Work

Since 1999, Atlantec Engineers has provided design and construction administration services for The City of Raleigh. To date we have completed more than 100 projects. These projects include major design services to The City Hall Building, Police Headquarters, The Central 911 Call Center and One Exchange Plaza. To aid the city in the replacement and upgrade of these systems, our office has performed evaluations of the plumbing, mechanical, and electrical systems for numerous buildings.

A brief description of our major project work is as follows:

Time Warner Cable Music Pavilion

- Replace the existing step lighting in the spectator area and added overhead aisle lights.
- Site lighting study to measure the existing parking lot light levels and recommend upgrades to the site lighting.
- Electrical survey to locate and identify the point of origin for all electrical panels. 100 electrical panels were located, examined, traced.

City Hall Building

- Replace the existing electrical service
- New chiller plant
- New standby generator to power the entire building
- New boiler plant
- New underground fuel tanks

One Exchange Plaza

- New chiller plant
- New cooling tower
- Lighting upgrades to 65% of the building
- Emergency generator alternator replacement.

Police Headquarters

- Replace entire electrical distribution system
- New chiller and air handlers
- New standby generator to power the entire building

Central 911 Call Center

- New HVAC system
- Renovation of power distribution system
- Upgrades to the existing UPS and related distribution

Back Up Call Center and Data Center

- Complete mechanical and electrical design for The Back Up Data Center including UPS and standby generator
- Grounding study and power upgrades to the Back Up 911 Center

Site Lighting

- New LED sight lighting upgrades to the following parks: Carolina Pines, Lions, Fred Fletcher, and Sertoma.

HVAC Upgrades

- Upgrade or replace the existing HVAC systems at the following City of Raleigh locations:
 - Lions Park
 - Police Training Facility
 - Pullen Park Aquatics Center
 - Raleigh Little Theater
 - Biltmore Hills
 - Walnut Creek Softball Complex
 - Pullen Arts Building
 - CAT Bus Facility

Power Upgrades

- Switchgear replacement at Method Road Park.
- Switchgear replacement at Pullen Community Center.
- Switchgear replacement at Lions Park
- Switchgear replacement at Optimist Park
- Switchgear replacement at Sanderford Park
- Switchgear replacement at Pullen Park Community Center.
- New standby generator for Marsh Creek Maintenance Facility.

Propane Fuel Dispensers

- Police headquarters, Six Forks Rd.
- Marsh Creek Maintenance Facility
- Method Road Complex
- Biltmore Hills Recreational Center
- North Operational Center