

Grandview Elementary ACT 77 Project Description

Date: February 10, 2012

Project Summary for Grandview Elementary

Base: \$ 2,689,246

- Change the ballasts and lamps to new technology T8 lamps and ballasts leaving in place the existing fixture.
- Retrofit those various metal halide and mercury vapor fixtures to pulse start metal halide.
- Convert the incandescent bulbs to compact fluorescent and the incandescent exit signs to LED exit signs.
- Building Automation system and Direct Digital Control for the primary and secondary heating and cooling equipment for Grandview Elementary.
- Provide daylight/occupancy sensors to shut down lighting and control ventilation when the classroom is unoccupied.
- Replace the existing classroom unit ventilators with new unit ventilators.
- Provide new heating plant and associated components (pumps, flues, piping, insulation, and controls)
- Replace the existing multi-zone unit serving the library with new VAV system.
- Provide a new unit to replace the administration unit.
- Replace AHUs 5 & 6
- Provide new gas lines and service for all Air handlers and new Kitchen Thermal Unit
- Provide new kitchen thermal unit and associated components for domestic water (pumps, flue, piping, insulation and control)
- Retrofit classroom shelving for new unit ventilators
- Replace existing Domestic Hot Water system with Instantaneous Domestic Hot Water system for building use.
- Complete electrical power and low voltage wiring for associated projects.
- NEBB Certified Air and Water Balancing

Note: New gas service and meter for Annex to be provided by utility company.

Alternate #1 Add to Grandview Elementary Base – Replace Heating System Piping: \$1,387,779

- Replace the existing hot water piping for classroom unit ventilators
- Install class room molding for concealing supply and return pipes
- Retrofit classroom shelving for new unit ventilators
- Include change out of removed ceiling tile and grid with new grid and tile
- Secure all existing ceiling hung devices (i.e., lights, alarming devices, speakers, and diffusers) for site prep for piping retrofit and reinstall in new ceiling.
- Install new lighting in classrooms and offices
- Complete electrical power and low voltage wiring for associated projects.
- NEBB Certified Air and Water Balancing

**Alternate #2 Add to Grandview Elementary Base and Alternate #1 –
Install Cooling for Classrooms (2 PIPE System) and Multipurpose
Room: \$690,393**

- Change unit ventilators to hot and chilled water units with associated controls
- Replace the two pipe water distribution piping for classroom unit ventilators with heating and cooling capability (2 pipe), pipe insulation and condensate removal
- Install cooling plant and associated controls and devices for building cooling capability
- Upgrade electrical requirements to serve new cooling plant and associated equipment Include change out of removed ceiling tile and grid with new grid and tile
- Required electrical power and low voltage wiring for associated projects.
- NEBB Certified Air and Water Balancing