

South Side School Indoor Air Quality Upgrades

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Improve Indoor Air Quality:

Replace 6 Air Handling Units to Increase Ventilation and Humidity Control to Reduce Mold and Mildew.

Re: Education Specification**1. RATIONALE:**

The South Side School Ventilation System was installed in 1973. Component replacement has happened with the system throughout its life cycle. The old system provided only minimal humidity control. Some areas did not have cooling and proper ventilation. As the humidity levels rose outside the levels could not be properly adjusted to eliminate condensation on piping and surfaces in the building. This condensation led to mildew and mold in many of the teaching spaces and a unhealthy building.

2. LONG RANGE PLAN:

As part of the 10-year Capital Improvement Plan, each year we identify schools that need upgrades. The BOE recommended we upgrade the HVAC at South Side School to provide the proper ventilation and dehumidification needed to solve the mold and mildew problem. This meant replacement of 6 air handling units that provide cooling, ventilation, and humidity control to the facility.

3. THE PROJECT SCOPE

- Remove and replace 6 roof top units.
- Replace Compressors and Cooling Towers
- Replace Coil
- Upgrade Ductwork and Ventilation
- Replace Unit Ventilators
- Identify and Remove HAZ MAT Materials
- Upgrade Electric System to Accommodate HVAC
- Upgrade Plumbing System to Accommodate HVAC

4. BUILDING SYSTEMS

- Security: N/A
- Public Address: N/A
- Technology: N/A
- Phone Systems: N/A
- Clocks: N/A

5. INTERIOR BUILDING ENVIRONMENT

- Acoustics: Ceilings: In areas that are disrupted during construction.
- Electrical: Upgrades as Needed for HVAC
- HVAC: System Upgrade to Improve Indoor Air Quality
- Plumbing: Upgrades as Needed for HVAC
- Windows and Doors: N/A

6. SITE DEVELOPMENT

- Site Acquisitions: N/A
- Parking: N/A
- Drives: N/A
- Walkways: N/A
- Landscaping: N/A
- Site Improvements: N/A

7. COMMUNITY USES

South Side School is used by our community during, before, and after school hours, and on some weekends year round. The uses include but are not limited to the following:

- PTO
- After School Activities
- Summer Programs

Various and sometimes multiple areas are used for these functions.