Capital Projects Considered for 24-25 Budget

VOIP Phone System

Communications are critical. From information sharing, to seeking help or assistance, or carrying out daily tasks, our telephone system remains a critical component of our communications. The district's phone system is a Toshiba 2000 series digital multi line 20 button with speaker phone and display. It has served our district well. However, the technology is over 30 years old, manufacturing ceased in 2004 (20 years ago) and are no longer supported as of 2011 (13 years ago). As more and more of our phones fail, we are no longer able to purchase or replace them. The District will look to replace the current system that uses an RJ45 jack and telephone wiring to a voice over the internet (VOIP) system. This more modern system provides greater flexibility with features and will interface with the district's other initiatives I.e. PA system, and other emergency protocols. The cost of this project is ~$360,000.

Roof Replacements; Grady and Dixson

Roofing membranes degrade and eventually fail over time resulting in roof leaks that can cause structural failure as well as indoor air quality concerns. The older roof setbacks at Grady and a portion of Dixson Elementary have reached the end of their useful life and require replacement to minimize repair costs and potential damage to structural components and poor indoor air quality. The district will work with our design professionals to ensure the replacement roofs provide a minimum 20-year warranty. The cost of these projects is ~$3,270,000.

Building Wide HVAC Controls - Grady Elementary

In 2010, our District partnered with a company to replace building equipment and controls. The cost of these upgrades and replacements were paid for over the years through energy savings generated by the improvements. The 14-year-old automation control system at Grady has since failed. Due to age and obsolescence, the fix will require a new interface and reprogramming, field controllers and commissioning of the system. A control system is necessary to be able to operate and manage space temperature, turn the HVAC system on and off and to protect expensive heating coils from damage caused by freezing. The cost of this project is ~$540,000.

Classroom Unit Ventilators - Grady

Unit ventilators are an industry standard and are used in most schools to provide heating and ventilation to classrooms. These units are relatively inexpensive and circulate air only in one classroom. Therefore, they are considered a good option because they do not contaminate airborne particulates from one classroom to another. Grady Elementary has 18 unit ventilators that have reached the end of their life expectancy. While some units may be operable, they are no longer serviceable due to unavailability of parts, the dampers are worn and do not seal properly making it difficult to control IAQ settings, and they do not meet current standards for air quality. The replacement units will provide an improved environment for our children, operate more efficiently and can be maintained and serviced properly by our staff. The cost of this project is ~$1,080,000.

Grady HVAC Unit

The air handler unit serving our Grady gymnasium provides fresh air, heating and cooling to the space. It is 25 years old and is at the end of its useful life. This means that the cost to the district to repair

and/or replace the heating and cooling coils, fan motors and bearings, damper actuators, condensers, etc. will eventually exceed the cost of replacement in addition to poor indoor air quality provided to our children while the system is off line for repairs. The new unit will be more energy efficient, comply with current IAQ standards and provide greater comfort and overall operating efficiency. The cost of this project is ~$575,000.

Parking Lot

Our District has one parking lot used by staff and students who attend both Hamilton and Grady schools. The parking lot is in poor condition and is unsafe due to drainage and groundwater conditions that freeze and become dangerous to all who use the lot. Additionally, there are potholes and failures in the top layer of asphalt due in part to inadequate base material under the asphalt. Our District Architects have designed a project that will improve the drainage issues, correct the grading of the lot and remove and replace the base material and top layer of asphalt, ensuring the integrity and safety of the lot and it will last for many years. Additionally, new provisions for the handicap will be addressed. The cost of this project is ~$1,140,000.

PA System Narrative

Project is to replace the Public Address system district wide. Our current systems are beyond their useful life expectancy. When they don't work our children and building occupants may not hear important announcements or be inconvenienced, to more serious life safety issues such as not receiving lockdown/lock out instructions. The PA system also controls our synchronized clocks and the daily bell schedules. Additionally, our District is required to comply with a recently enacted NYS Law (Meaghan's Law).

The system overview includes new wiring using Cat 6 cabling that will provide both power and data to the devices. Each classroom would receive a new unit with a speaker on top and digital message board bottom, a call switch, emergency button, digital clock and status light outside of the classroom. These units are powered by POE (power over ethernet, CAT 6 cabling) and have their own IP address. Other system devices will provide dialer access, card access and/or panic buttons to activate a lockdown. There would be administrative consoles (PA) that will contain pre-recorded buttons and allow music or podcasts to play from I-phone.

The estimated cost for a new PA system is ~$1,000,000 for all three buildings.

Security Camera Replacement

Replace dated existing cameras with a more comprehensive cloud-based camera, District wide. Cameras are an important tool for the District to assist with student discipline, protect property, and improve life safety. The new cameras will provide clarity and retrieval features not currently provided. Additional cameras will provide for coverage in areas not currently monitored and will include hallways, stairwells, exits, assembly areas, exterior locations, etc. The cost of this project is ~$630,000.