

GESA AMENDMENT 3 - BOARD CONSIDERATION

Neshaminy School District



HVAC Replacement/Add Air-Conditioning - Miller Elementary School
Add Security Vestibules - Miller Elementary School and Buck Elementary School

Reynolds
Building Solutions

March 14, 2017

Scope of Amendment 3 for Approval Consideration

- Provide AC and Upgrades to Miller Elementary School HVAC
 - Providing new cabinet HVAC units in the classrooms.
 - Cabinet HVAC units fully replace existing units including packaged direct-expansion cooling (interior to the unit).
 - Existing roof-top units will be replaced (heating and cooling) with modified duct drops as needed. Exhaust fans will be replaced.
 - Fan coil units will be replaced with roof-top condensing units and refrigerant feeds.
 - Corridor/ceilings will be adjusted as needed.
 - The units specified are DAIKIN.
 - Replace existing heating units and pumps.



Scope of Amendment 3 for Approval Consideration



- Provide Other Required Upgrades to Miller Elementary School
 - Provide ABR web-based open protocol direct digital controls for HVAC system throughout the building, standardizing with other systems installed by GESA.
 - Provide new additional power panels to meet the requirements from the additional equipment.
 - Replace existing power panels including new feeders to the main distribution boards.
 - Provide all new power to HVAC equipment.
 - Modify classroom casework as needed to fit new cabinets.
 - Replace ceiling in select areas.

Scope of Amendment 3 for Approval Consideration

Reynolds has bid the project scopes to our vendors and subcontractors, as coordinated with the administration and their input. Original pricing provided for a project cost that was over \$3.065M. Reynolds re-bid the project and was able to get better competition.

- Provide Security Vestibules at Miller and Buck ES
 - Security vestibule at Miller ES will be remote, similar to Sandberg/Schweitzer entries.
 - Security vestibule at Buck ES will lead through the main office at the front entry.
 - New glazing and doors will be installed to meet code egress and provide for entry at both locations.
 - Intrusion resistant glazing will be used as in other vestibules installed under the GESA contracts.
 - Hardware and software for ID/access will be provided at each location (standardized with other NSD buildings).
 - Lighting will be LED.

Miller ES/Buck ES Scope and Estimate

The project scope of work has not changed from the original scope proposed; Ops. Director Tim Trzaska has visited Voorhees, NJ, where a District is using the units to validate that the sound transmission is acceptable.

Final Proposed Cost:

\$3,058,673

Proposed Construction Schedule:

Construction (off hours) will begin as approved by the District and be completed in August 2017 for the return of students.

Ability for Use of Natural Gas in the Future:

Reynolds has been in discussion with PECO regarding gas service to Miller. PECO initially quoted a cost of \$75/lf for 2,500 lf (over \$180,000). The existing boiler burners are dual fuel and ready for future gas. Installation in summer of 2017 is not occurring and gas service is not in this project. Reynolds is continuing to negotiate with PECO for potential future installation, as directed.

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