

HERBERT HOOVER MIDDLE SCHOOL MONTGOMERY COUNTY, MARYLAND



Size: 165,367 S.F.
Budget: \$41,502,000
Bid: TBD
Completion: August 2013

Modernizing Herbert Hoover Middle School will expand the existing facility's area by over 20 percent to accommodate up to 1,200 students, while vastly improving the amenities available to staff and students. Taking further advantage of this unique opportunity for modernization, the school system also decided to pursue LEED® certification with the United States Green Building Council. The design of the new school will reduce energy consumption, water use, and environmental impact through the following strategies:

- Encouraging alternative transportation by providing conveniently located bike racks and preferred parking for low emitting/fuel-efficient vehicles and carpools.
- Preserving a high percentage of vegetated open space.
- Managing stormwater to reduce runoff quantity and improve quality.
- Using highly-reflective roof surfaces combined with a vegetated roof portion to reduce heat island effect and heat gain to the building.
- Installing water-conserving, low-flow plumbing fixtures.
- Providing an energy efficient building envelope, lighting system, as well as heating, ventilation, and air conditioning system.
- Verifying that the design, equipment selection, installation, and operation of equipment is optimized through Enhanced Commissioning.
- Diverting construction waste from landfills for reuse or recycling.
- Adhering to construction indoor air quality management plans and using low-emitting building materials to safeguard occupant health.
- Providing a high-level of occupant control over individual lighting and thermal comfort to promote a better indoor environment.
- Promoting user education to increase awareness of the building's green features and to utilize the school as a teaching tool for environmental and sustainability topics.