

SECTION J MAJOR CAPITAL PROJECTS

Major Capital Projects / Improvements (Academic Year 2006-2007)

During the Academic Year 2006-2007, the following Facilities Master Plan related projects and other major capital projects and improvements were undertaken at Brookdale Community College.

I. FACILITIES MASTER PLAN FUNDING EFFORTS

Capital funding for 2006-2007 has been identified for the following projects:

\$4,025,685	Renovation of the 1 st and 2 nd floors of the Natural and Applied Sciences (NAS) building
7,000,000	Purchase and Renovation of Northern Monmouth Higher Education Center
300,000	Renewals & Replacements for College Infrastructure

II. FACILITIES MASTER PLAN PROJECTS

Renovation of the Natural and Applied Sciences (NAS) Building. Construction began on the 1st and 2nd floors of the NAS building on January 9, 2005 and was complete in January 2007. The work was awarded as multiple prime contracts totaling \$8,513,381. As of June 30, 2007, \$18 million has been expended over two fiscal years.

Purchase and Construction of the Northern Monmouth Higher Education Center. The purchase of 1 Crowne Plaza in Hazlet, NJ took place in early December at the cost of \$2,750,000. Construction began in January 2007 with an anticipated completion date of October 1, 2007. The work was awarded as multiple prime contracts totaling \$4,142,904. As of June 30, 2007, \$2.1 million has been expended. Additionally, site work was awarded on June 26 in the amount of \$814,000 for a late August completion.

III. OTHER MAJOR CAPITAL PROJECTS / IMPROVEMENTS

Main Electric Distribution Loop / Switch Replacement. During FY 2007, Brookdale Community College placed several buildings on a new campus main distribution loop at a cost of approximately \$160,000. The Bankier Library, the Counseling, Assessment & Registration Building, the Center for Visual Arts, Larrison Hall, Main Academic Central, Main Academic North, portions of Main Academic South, and the Performing Arts Center were all electrically connected to the new main campus loop, which should ensure the reliability of electric service in these structures through the next quarter century. This is the most needed ongoing infrastructure project at the Lincroft campus.

Center for World War II Studies and Conflict Resolution. Brookdale Community College constructed a new home for the Center for World War II Studies and Conflict Resolution in the Bankier Library at a cost of about \$22,000. The new home gives the Center increased access and visibility and improves the storage capacity for documents, oral histories and videos of center presentations.

Painting Projects. Several areas were painted in close proximity to major and other minor capital projects to enhance the appearance and value of those projects. The covered walkway

between the Advanced Technology Center and the Counseling, Assessment & Registration Building was painted in conjunction with the CAR renovation, and painting occurred in Larrison Hall and the Student Life Center in conjunction with technology projects. The total cost for the painting projects was \$18,000.

Technology Classrooms. Brookdale Community College wired fifteen technology “smart” classrooms at a cost of \$15,000. The classrooms will enhance the educational experiences of students in many humanities, science and social science subjects.

Pump and Motor Replacements. Several motors and pumps in the heating and cooling plant infrastructure were replaced at a cost of about \$11,000. These items were a generation removed from current technology in the HVAC area and their replacement should result in energy savings as well as greenhouse gas reductions.

Door Repairs and Replacements. Several aging doors in the main academic complex were replaced at a cost of \$8,000. The new doors will result in improved access for mobility impaired people as well as in improved building envelopes for energy savings and lower greenhouse gas emissions.

Underground Power Conduit Repairs. The College contracted to repair an underground power conduit to the Central Plant at a cost of \$8,000. The conduit had broken and allowed rain water to enter the main panel causing a power failure during a heavy rain. The repairs will prevent future such occurrences.

Chiller Repairs. Brookdale Community College contracted to repair two centrifugal chillers at a cost of \$7,500. These repairs increased the efficiency and reliability of the chillers, leading to lower energy consumption and greenhouse gas emissions.

Smoking Shelter. A gazebo style smoking shelter was purchased to correspond to a recently renovated area of the main academic complex. The gazebo cost approximately \$4,500 and will enhance the quality of air in the building by providing a suitable alternative to smoking directly outside the entrance of the building.

Lab Flooring Replacements. Several areas of flooring in the Biology and Chemistry Labs were replaced at a cost of approximately \$4,000. This was done in conjunction with a building renovation where the upper floors of a building were renovated. The labs were on the lower floor and the replacements made for a more uniform building appearance.

Vitaulic Gasket Replacements. The College replaced vitaulic gaskets in the heated water system for ventilation in the Advanced Technology Center at a cost of about \$3,500. This was done to improve the efficiency of the HVAC system as well as prevent the occurrence of mold in some areas of the building.