



September 30, 2010

**To: Stony Brook Campus Community**

**From: Barbara Chernow, Vice President for Facilities & Services**

As we begin this academic year, I would like to provide you with a report that details many of the Stony Brook University Facilities & Services projects which have recently been completed or have started this year. These projects improve our campuses by: designing and constructing new buildings; rehabilitating spaces inside and around buildings; repairing our aging infrastructure; making our campuses safer; and continuing our efforts to save energy, reduce pollution, and minimize our impact on the natural environment.

### **New Construction Projects**

Our campuses continue to be the sites of new construction both within existing structures and of entirely new buildings. These projects include academic, residential and recreational facilities. All of our new buildings will seek LEED silver rating or better.

- The Simons Center for Geometry and Physics is substantially complete with a scheduled opening later this semester. The Center is a six-story, 40,000 square foot building, housing a 236-seat auditorium, 90-seat lecture hall, offices and seminar rooms. The Center will be a Gold rated LEED certified building located adjacent to the Math tower.
- The Advanced Energy Research and Technology Center (AERTC) located in the Stony Brook Research and Development Park is scheduled to open this fall. The building will house material science labs, engineering labs and specialized facilities for a consortium of University researchers, institutions, and federal laboratories. AERTC will be a Platinum rated LEED certified building.
- Nobel Halls, a new 604 bed residence hall, has opened. The 173,000 square foot Silver rated LEED certified building consists of 104 suites that are divided between two separate residences; Lauterbur Hall in Kelly Quad and Yang Hall in Roosevelt Quad.
- The Student Recreation Center is a 90,000 gross square foot building that will be located between the existing Pritchard Gym and the Student Union. This three story building will house a three-court gymnasium, a multipurpose indoor arena, free weights, cardio machines, dance aerobics studios and offices for campus recreation staff. Construction was delayed by the need to remediate ground conditions at the site. Remediation plans have been completed and construction began this month. The project is expected to be completed by the end of 2012.
- Design of a new Marine Science Center at our Southampton campus is complete with a scheduled opening in 2013. This new Center will be approximately 10,000 square feet and be the home for all Marine Science programs at Southampton.
- Programming for a new 55,000 square foot Computer Science building has begun. Design is estimated to be completed by July 2011. Location for the new building is adjacent to the existing Computer Science building.

## **Buildings and Building Systems**

Many of our buildings and building systems are undergoing much-needed repair.

- The Chemistry building has been renovated to include new undergraduate labs, a new lobby, refurbished elevators and new mechanical systems.
- A new electrical sub-station is nearing completion on Gym Road. The new sub-station will meet the needs of the campus as we expand into the future. The sub-station is expected to be operational this fall.
- The new cooling tower on east campus is almost completed. The tower serves both the Hospital and Health Sciences Center cooling needs and is expected to be in service at the end of October.
- The replacement of most of the direct buried High Temperature Hot Water piping is expected to be completed this fall. The remaining lines will be replaced by December 2011.
- Design is complete to transform the Old Chemistry building into a new state-of-the-art classroom building with three 250-seat lecture halls. Construction is expected to begin in January 2011.
- Roof replacements are underway in Dutchess Hall, Challenger Hall, Infirmary, Pritchard/Sports Complex, Educational Communication Center and the Library. A waterproofing project on the exterior of the Fine Arts building has been completed.
- Design for the addition of a new food service building for Kelly Cafeteria as well as the renovation of the existing facility is nearing completion. Construction should begin Spring 2011.
- The Social and Behavioral Sciences and Psychology buildings will have windows completely replaced. Design is underway with construction expected to start Summer 2011.
- Design is underway for the replacement of all windows and roof exhaust fans at Earth and Space Sciences, as well as for repairs to the roof and exterior of the building.
- The Social and Behavioral Sciences and Administration buildings will have new fire alarm systems installed over the next year with work in Social and Behavioral Sciences scheduled to start later this year.
- Roth Pond was emptied, and a new liner and aeration system was installed over the summer.
- Design has begun to repair mechanical systems and other building improvements in the Javits building as well as install state-of-the-art audio visual systems in the lecture halls.
- Construction for the rehabilitation of the running track is underway. This project will elevate the track to NCAA Division 1 level.
- A new 7,000 square foot research lab dedicated to the study of 3D movement of individuals with certain disabilities was completed in the Research and Support Services building in the Research and Development Park.
- Programming has begun for a complete renovation of the Student Union. The project will seek to move many student service departments into this building.
- Fire Alarm systems in more than 32 buildings on campus have been upgraded with voice capability and are connected to a new Fire Alarm Command Center in University Police Department Headquarters. University Police can now provide voice emergency communications from their Headquarters to the buildings that are currently connected. Additional buildings will be added to this system as fire alarms are installed in new buildings or as they are upgraded when renovations occur.

## **Campus Roadways, Walkways and Bike Paths**

Roadway, walkway and bike path repairs and improvements continue.

- Roadway design improvements for North Entrance, Toll Drive and West Drive have begun. These projects are targeting safety as their number one goal.
- The repair and replacement of walkway and street lights across campus has been completed.

## Campus Roadways, Walkways and Bike Paths (continued)

- Construction of a new walkway/bike path connection on South Drive is complete.

## Transportation & Parking Operations

Transportation and parking improvement projects have focused on improving services and minimizing our carbon footprint.

- SBU Transit will introduce new alternative energy transportation vehicles this academic year. These new “green” vehicles include a diesel-electric hybrid bus as well as a diesel-electric hybrid shuttle. Our remaining bus fleet utilizes B5 Bio Diesel and vegetable oil previously used in our dining halls as fuel. These fuels are made from renewable resources and produce significantly lower emissions.
- Bus services have been improved by dedicating more buses to the Express and Inner Bus routes in order to decrease passenger wait times. Transportation services to the Research and Development Park have been expanded by offering continuous weekday shuttle service.
- Work began on our WolfWatch GPS initiative. This program includes creating an information system that will allow passengers to view location information of the SBU Transit buses on their computers or cell phones in real time. WolfWatch GPS will also allow for advanced transportation route planning in order to improve bus services.
- Structural upgrades continue in the Administration Parking Garage. The number of payment options for garage patrons have increased. Patrons can pay for garage services online, through payroll deductions or in the Bursar office in the Administration building.
- South P Lot parking capacity has been increased by 200 parking spaces. Parking lot resurfacing and restriping have been completed in several metered and surface lots. New ADA accessible parking spaces have been added to several parking lots throughout campus.

## University Police and Office of Emergency Management

The University Police Department has been focusing on pedestrian and vehicular safety on campus by using the three E’s model:

- **E**ngineering-focusing on improving traffic signage, pavement markings and lighting on campus.
- **E**ducation-by informing students, faculty, and staff about the dangers associated with using cell phones and electrical devices when walking or driving. Information is disseminated by lectures, seminars and the creation of a new website on traffic safety, which can be found at <http://www.stonybrook.edu/sb/safety/>
- **E**nforcement-University Police will continue to enforce traffic violations by motorists who are using their cell phones or exceeding the speed limit.

The Office of Emergency Management continues to launch new initiatives to better protect the campus community.

- September is National Preparedness Month and marks the time when government agencies, private sector businesses, and the general population should closely examine the impact unexpected emergencies may have on themselves and their families. Visit our website at <http://www.stonybrook.edu/commcms/emergency/personalsafety.shtml> for more information and other links.
- The electronic security infrastructure throughout campus continues to be enhanced. Several projects are underway to better protect areas including the academic mall, new residence halls, parking garages, and academic buildings. Please visit the Access Control Website at <http://www.stonybrook.edu/commcms/emergency/accesscontrol> for more information.
- Our SB Alert system transmits emergency warnings and critical information. There are over 24,000 users signed up to receive text, voice and e-mail messages and participation in this program is continuing to grow. All members of the campus community should visit <http://www.stonybrook.edu/sb/emergency/alerts.shtml> to register or update their user information.

## Working Toward Sustainable Energy Efficient Campuses

Facilities & Services continues to take a proactive role in promoting and implementing sustainable practices campus-wide. Conservation measures have enabled us to make our building systems more energy efficient and have already begun to reduce Stony Brook University's expenses for energy, water, operations and maintenance. Our efforts have continued in the areas of energy conservation, greenhouse gas reduction strategies, expanded recycling programs and community awareness this year.

- The project to replace miles of underground high temperature hot water piping is close to complete. We are already realizing a substantial improvement in the thermal losses of this system. This project alone is expected to reduce our steam usage on West Campus by 10%.
- The regrading and liner replacement project for Roth Pond is projected to save over 20,000,000 gallons of water per year.
- The new cooling tower will improve the chilled water efficiency on the East Campus.
- We have started a project to install both occupancy sensors and daylighting controls in hallways and offices to reduce the large amount of utility consumption due to lighting.
- Funding is being sought to replace our West Campus Heating and Cooling Plant with a state-of-the-art, more efficient plant.
- We have implemented a program to provide large-scale paper shredding and recycling services to the campus community.
- Many of the plantings around campus were “homegrown” in the campus greenhouse.
- Our efforts currently underway are now highlighted on our Green Map. This project was developed by our Sustainability Task Force. Please visit at <http://www.stonybrook.edu/sustainability/greenmap>

## Facilities Master Plan

We are creating a Facilities Master Plan with assistance from the New York State University Construction Fund and Cooper Robertson and Partners. The Plan is designed to support the University's academic strategic goals, enrollment projections and environmental facilities management principles. The master plan is scheduled to be completed by February 2011 and will cover a ten-year period starting 2013.

It is a pleasure to highlight some of the projects Facilities & Services staff have been working on at Stony Brook. To make these projects possible, we are utilizing funds from various sources, including SUNY Capital Budget, Stony Brook Foundation donations, Presidential funds, grants and special appropriations from the State Legislature. We are also keenly aware that these accomplishments, as well as the continued success of our many ongoing projects, rely on the ideas of and feedback from Stony Brook faculty, staff, students and alumni. Our mission includes keeping you informed about these projects, and our goal is to respond to your concerns.

Details for many of the projects mentioned in this report can be found at our website: [www.stonybrook.edu/facilities](http://www.stonybrook.edu/facilities)  
Building and grounds problems may be reported at: [www.stonybrook.edu/fixit](http://www.stonybrook.edu/fixit)