

BUILDING A NEW NC STATE

Special Edition

Academic Year 2004 - 2005

www.ncsu.edu/facilities

NC STATE UNIVERSITY

Centennial Campus preparing for population increase

Centennial Campus is preparing for influx of students, faculty and staff. In January 2005, the population at Centennial Campus will increase dramatically when approximately 800 students and more than 100 faculty and staff begin studying, teaching and working in the new College of Engineering I (COE I) building. This 157,000 gross square foot building will house the Chemical Engineering and Materials Science and Engineering departments. It will feature state of the art labs, well-equipped classrooms, modern departmental offices, and generous student lounge and study space.

Two other major construction projects, which were completed this year on Centennial Campus, will add even more to the population base at Centennial.

Partners III will house lab and office space for the Colleges of Physical and Mathematical Sciences and Agricultural and Life Sciences. The building is designed for nanotechnology, which is the very latest technology used to manipulate materials on an atomic or molecular scale, especially to build microscopic devices such as robots.

Venture IV is the fifth and final privately developed office building in the Venture series that includes Venture I through IV and Venture Place. Corporate and government partners have begun to occupy the Venture IV building.

NC State Transportation has modified Wolfline Transit Service to accommodate



College of Engineering I on Centennial Campus

the increased population on Centennial. Adequate parking services are available with a combination of new surface and deck parking to include the recently completed 452-space perimeter parking lot at the corner of Centennial Parkway and Oval Drive.

Changes in food services are planned. The Shuttle Inn at the College of Textiles and Mila's Cafe at Venture Place (opening this

fall) are ready for the population growth. Planning for additional food services is underway, which includes a coffee shop in the College of Engineering II building.

Look for growth to continue on Centennial Campus for a long time to come with a number of buildings already under construction or in design.

College of Engineering II (COE II) will be ready for occupancy fall 2005 by the

Computer Science and Electrical Engineering departments.

North Shore Residential Project has a total of 5 townhouse buildings with 28 units completed or under construction with units selling as they are completed. Two other townhouse buildings should be completed in 2004 and the number of existing townhouse buildings are scheduled to double in the next 12 months. Pre-sales are underway for the first condominium building with several units sold.

State of North Carolina Wildlife Resources agency will be operating from their new building at the corner of Varsity and Capability Drives fall 2005.

Friday Institute for Educational Research, adjacent to Centennial Campus Middle School, is under construction with completion planned for late 2005.

Park Alumni Center is also under construction with completion planned for late 2005 as well.

18-Hole Golf Course and Clubhouse design has been completed and fund raising has begun. Construction is planned to start late 2005. This project will include a Research and Training Center for the Golf Management Program, Turf Grass Program, and Varsity Golf Teams.

We are indeed **building a new NC State!** For additional information, please refer to www.ncsu.edu/facilities/bondprojects.

Long-Range Capital Plan

While the University is still heavily involved with design and construction of Bond Phase I projects of the 10-Year Capital Plan, planning has proceeded on Bond Phase II. (The 10-Year Capital Plan was first adopted by the Board of Governors in 1999. Bond Phase I was unanimously approved by North Carolina voters in the historic \$3.1 billion University and Community College Bond Referendum on November 7, 2000.)

The Bond Phase II project list is based upon long-range space needs and existing building conditions. With a projected enrollment growth to 36,500 by 2012, which includes on-campus and distance education students, the Bond Phase II project needs total \$804 million and include 16 new buildings, renovation of 17 buildings, campus infrastructure, campus security and parking deck projects. Phase II, when completed, will add about 855,000 assignable square feet on campus. The plan includes academic, research, administrative, and support space. The funding schedule for Phase II is not yet determined and will be influenced by the economic health of the state.

In addition to Bond Phase II planning, the University is updating the long-range plan as requested by University of North Carolina - Office of the President. The long-range plan includes a Phase III list of projects, as well as a non-appropriated (or self-supported) collection of projects.

The Phase III list of 37 projects is estimated to cost \$681 million and includes 21 renovation projects, 7 new buildings or

building additions, campus infrastructure projects, and an intra-campus transit project - a people-mover - to connect North, Central, South, and Centennial Campuses. Phase III looks beyond 2020. The non-appropriated project list contains 46 projects at an estimated cost of \$759 million. These projects will address the long-range needs (next 15 years) for units such as University Housing, University Dining, Student Affairs, Athletics, and Transportation.

The University will continue its long-standing commitment to meet the present and future needs of all of its students, faculty, and staff. The philosophy underlying its planning process can be found at www.ncsu.edu/facilities/univ-arch/masterplan.htm. This website contains the lists of these projects as well as the Physical Master Plan.

Chancellor's Message

This year and the next will be our busiest construction time in NC State's history. As we approach the midpoint in the eight-year Bond construction program, several new facilities have been completed and are now in use, and others are scheduled for completion during this academic year. The Marye Anne Fox Science Teaching Laboratory and the adjacent campus open space is now open and demonstrates the positive changes we can expect from the bond program.

With the increase in construction activities and campus detours, the NC State Facilities Division planning, design and construction staffs have comprehensive plans in place to attempt to reduce impacts and ensure the safety of everyone who comes to campus. Part of their

plans is a request for your assistance to be watchful and careful around construction sites and to communicate to Construction Management at 515-6380 any unsafe conditions. Building Liaisons are asked to keep building occupants informed about projects in their area.

If you would like a group briefing about campus construction activities and impacts, please contact your dean, department head, or other unit leader and asked them to make arrangements with Facilities Division for a presentation. They will be glad to provide one.

I thank you for your patience and support of the building program. I know that you will be pleased with the **new NC State**.

Robert A. Barnhardt

Robert A. Barnhardt, Interim Chancellor

11 Projects Completed in 2004

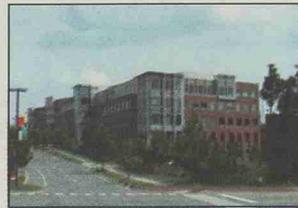
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Marye Anne Fox Science Teaching Laboratory (formerly USTL)



Partners III Research



Venture IV

Look at What We're Building at NC State University This Year



1
Dorothy and Roy Park Alumni Center
 Winter 2004 – Summer 2005
 Centennial Campus Precinct



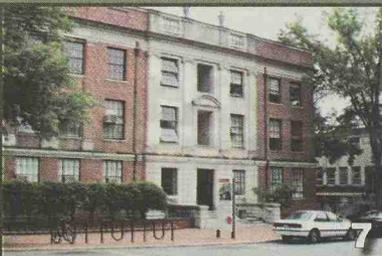
2
Becton, Bagwell, and Berry
 Fall 2004 – Summer 2005
 Central Campus Precinct



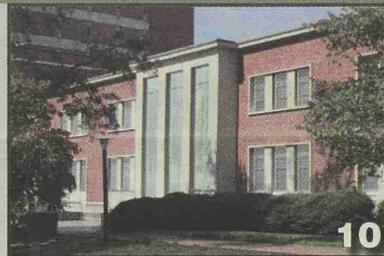
6
CVM Research Facility
 Fall 2002 – Spring 2005
 West Campus Precinct



3
Carter-Finley Stadium Wolf Towers
 Winter 2004
 West Campus Precinct



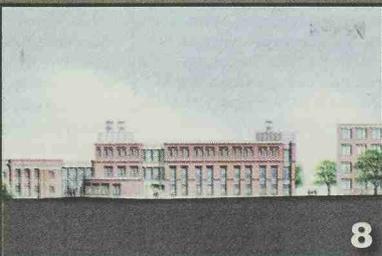
7
Daniels Hall Renovation Phase I
 Spring 2004 – Fall 2006
 North Campus Precinct



10
D.H. Hill Library – East Wing
 Winter 2004 – Spring 2006
 North Campus Precinct



4
Cates Chiller Plant
 Fall 2004 – Fall 2005
 Central Campus Precinct



8
David Clark Labs and USTL Phase II
 Fall 2003 – Spring 2005
 North Campus Precinct



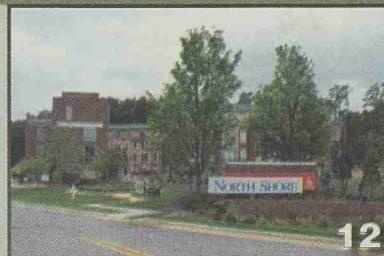
11
Jordan Hall
 Winter 2004 – Winter 2006
 Central Campus Precinct



5
College of Engineering Phase II
 Winter 2003 – Summer 2005
 Centennial Campus Precinct



9
William and Ida Friday Institute
 Summer 2004 – Fall 2005
 Centennial Campus Precinct

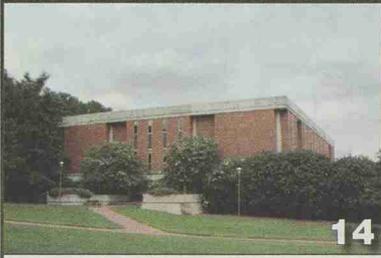


12
North Shore Condominiums
 Summer 2002 – Summer 2006
 Centennial Campus Precinct

Academic Year 2004 - 2005



Riddick Labs Renovation
 Winter 2004 - Summer 2006
 North Campus Precinct



Schaub Food Science Renovation
 Summer 2004 - Summer 2005
 Central Campus Precinct



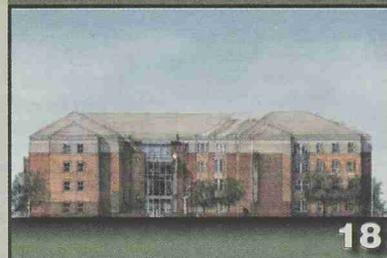
Visitor Center & Advancement Services
 Spring 2004 - Summer 2005
 South Campus Precinct



West Research Annex Lab
 Spring 2004 - Fall 2004
 West Campus Precinct



Wildlife Resources Building
 Summer 2003 - Summer 2005
 Centennial Campus Precinct



Wolf Village Apartments
 Summer 2003 - Summer 2004/2005 (phased)
 Central Campus Precinct



Yarbrough Chiller Plant
 Summer 2003 - Spring 2005
 North Campus Precinct

11 Projects Completed in 2004

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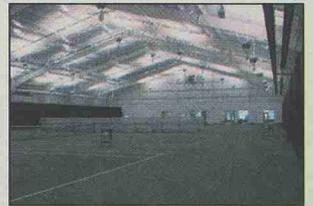
College of Engineering I



Public Safety



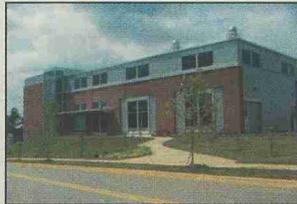
Doak Baseball Complex



Varsity Tennis Complex (USTA award for outstanding new collegiate facility)



Administrative Services III (formerly Support Services Center)



Centennial Campus Central Utility Plant



Centennial Campus Perimeter Parking



Centennial Biomedical Campus Infrastructure

23 Major Construction Projects for 2004-05

Of the 23 major construction projects for this academic year, 11 are in construction and the others will get underway this year. Most of the projects are funded through the Bond Referendum of 2000. We have provided short project descriptions below. For additional information, please refer to www.ncsu.edu/facilities/project/index.htm.

Dorothy and Roy Park Alumni Center
The Center, on the south side of Lake Raleigh will have office, meeting and dining space, and vehicle parking. This is a non-bond project.

Becton, Bagwell, and Berry
The scope of this work includes renovating the residence halls, and construction of a two-story 10,000 square foot Honors Building that will house a new convenience store, offices and multi-purpose spaces. This is a non-bond project.

Carter-Finley Stadium Wolf Towers
The facility includes press box, game operations, box and club seating, ticket facilities, restrooms, and food preparation areas. This is a non-bond project.

Cates Chiller Plant
The Cates Avenue Steam Plant expansion will improve energy management and operations, and reduce utility costs for Central Campus.

College of Engineering – Phase II
Computer Science and Electrical Engineering will occupy this 175,000 square foot Centennial Campus building.

CVM Research Facility
This new 104,000 square foot facility on the Centennial Biomedical Campus will provide the College of Veterinary Medicine research and office space.

Daniels Hall Renovation Phase I
Outdated facilities are being converted into classrooms, teaching labs, and office spaces for the Industrial Engineering department and teaching labs for Computer Science.

David Clark Labs and USTL Phase II
David Clark Labs is being renovated and a 46,000 square feet addition will house the Department of Zoology and the Biological Sciences program.

William and Ida Friday Institute
This facility is adjacent to the Centennial Campus Middle School and will partner the College of Education, corporations, and Wake County Public Schools to study emerging technology in education. This is a non-bond project.

D.H. Hill Library – East Wing
Renovations will update building systems and facilities for Acquisitions, Cataloging, Presentation, Research Information, and Special Collections, and create a special collections reading area.

Jordan Hall
The addition will add approximately 50,000 square feet of classrooms, lecture halls, distance learning facilities and class labs for the College of Natural Resources and the College of Physical and Mathematical Sciences.

North Shore Condominiums
This 379-unit complex is under construction by a private developer on this 15-acre site. Several of the units are finished and occupied. This is a non-bond project.

Paul Derr Track Stadium and Field
Improvements include a lighted soccer and track complex with seating for 2,000, a lighted softball field with seating for 500, new restroom facilities, press boxes, and field house. This is a non-bond project.

Riddick Labs Renovation
The complete renovation of the 112,000 square feet building will provide new classrooms, teaching labs, research labs and offices for the Physics Department and new office and teaching lab space for the Department of Animal Science.

Rocky Branch Greenway – Phase II
This stream restoration of Rocky Branch between Morrill Drive and Pullen Road includes a pedestrian path with a connection into Pullen Park under Pullen Road. This is a non-bond project.

Schaub Food Science Renovation
This renovation will update and modernize mechanical and electrical systems in the 96,300 square foot building to improve existing class labs and teaching and research space.

Sullivan Site – Phase II
The facility will house Facilities Operations' Warehouse, Maintenance Services, Small Engine Repair, Electronics Shop, Pest Control, and Floor Maintenance.

University Graphics Renovation
Approximately 17,000 square feet of this building which is now called Administrative Services I, is being renovated for Purchasing, Transportation, and University Graphics.

Visitor Center
The building, near McKimmon Center will house the Visitor Center, Admissions, Advancement Services, News Services, and Foundations Accounting.

West Research Annex Building
The Department of Mechanical and Aerospace Engineering will use this 10,000 square foot lab and office building for research.

Wildlife Resources Building
This Centennial Campus facility will house the headquarters of the North Carolina Wildlife Resources Commission. This is a non-bond project.

Wolf Village Apartments
This project will meet enrollment growth demands for University Housing with this 1200 bed apartment-style complex for upper class students. This is a non-bond project.

Yarborough Chiller Plant
This addition to the Yarborough Drive Steam Plant will supply expanded chilled water to North Campus for improved reliability of campus cooling systems.

Transportation Update

We are pleased to report that the largest part of parking and traffic disruptions caused by campus chilled water line installation on North Campus is over. The next phase of utilities construction will occur on Central Campus with the expansion of the Cates Plant and installation of an electrical duct bank.

In anticipation of this next phase of construction, Transportation created additional staff parking ("C") in the east tower of the Dan Allen Deck and in the former pay lot behind Student Health Services to meet parking needs.

Transportation will also be working closely with the Facilities Division to limit vehicle and pedestrian disruptions resulting from the installation of an electrical duct bank in the area. The duct bank will be installed from the Cates Avenue Plant under Cates Avenue and then extending between Tucker Residence Hall and Witherspoon Student Center and Harris Hall with final connection in the rear of the Student Services Lot.

During the construction, traffic flow will be maintained on Cates Avenue with limited reductions to one lane to make utility connections in the street. In the off-street areas near Tucker Residence Hall, Witherspoon Student Center and Harris Hall, pedestrians may be routed through another pathway depending on safety requirements and contractor staging needs. Construction is expected to begin in late fall.

In spring 2005, chilled water lines will be installed from the steam tunnel just south of the railroad tracks to Berry, Becton, and Bagwell Residence Halls. The installation will affect parking, vehicular and pedestrian traffic in the first block of Dunn Avenue from Pullen Road to west of Becton Residence Hall. Various options are being considered to ensure safety and limit campus impacts.



Dunn Avenue construction zone

If you would like to receive the latest information and advance notice about construction impacts, as well as parking alternatives, please join one of Transportation's listservs by visiting the website at www.ncsu.edu/transportation and clicking on "Employee Parking", "Student Parking" or "Wolfline".

Transportation and Facilities Division want you to know they will continue their collaborative effort to reduce parking impacts and keep the campus informed about construction-related changes in parking and traffic flow. Your suggestions on how best to do that are always welcome.