

# The University of North Carolina Board of Governors



## Long-Range Plan 2004 - 2009

## Facilities and the Implementation of the Bond Program



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL



NORTH CAROLINA  
SCHOOL OF THE ARTS



THE UNIVERSITY OF NORTH CAROLINA  
GREENSBORO

Appalachian  
STATE UNIVERSITY



## **VIII. Facilities and the Implementation of the Bond Program**

### **Capital Facilities Planning and Construction—Background**

On November 7, 2000, the voters of North Carolina overwhelmingly supported the passage of the 2000 Higher Education Bond referendum. The \$3.1 billion bond package (with \$2.5 billion for the University of North Carolina and \$600 million for the North Carolina Community Colleges) was and remains the single largest bond referendum for public higher education in the United States. The approval of the bonds and the subsequent efforts to implement the delivery of capital projects have resulted in the addition of significant capacity for the State's higher education system and have positioned the State to meet the growing demands on its educational institutions fueled by a rapidly changing economy and the need for a workforce capable of competing in a global economy.

The passage of the Higher Education Bond Program represented the culmination of years of planning by many individuals to document the condition of University facilities, the cost of bringing existing facilities up to current standards, and the cost of building new facilities to meet current and future capacity needs. The General Assembly, in a special provision in 1997, directed the Board of Governors to study the equity and adequacy of all its capital facilities. The General Assembly later directed the Board to prepare a 10-year capital plan identifying facilities and improvements needed in the University and a methodology for funding those needs.

As consultants to the Board, Eva Klein & Associates undertook the capital equity and adequacy study and led the preparation of the 10-year capital plans for each UNC institution and all UNC affiliates. The 18-month study was adopted by the Board and forwarded to the General Assembly with the proposal that the General Assembly authorize bond financing as a method of funding approximately 60% of the University's needs. The remaining funds would be provided by the campuses, principally from self-liquidating indebtedness.

The needs identified in the University's ten-year capital plan totaled \$6.9 billion. Of those, approximately 43 percent was for renovations, modernization, and replacement of facilities. Nearly a third (1/3) of that need was for science laboratories and facilities. The majority of the science projects were planned as replacement buildings for existing facilities since it is more cost effective to build new facilities and convert older science buildings to general classroom use. In addition, one quarter (1/4) of the cost for renovation, modernization, and replacement was for residence halls. The plan also included new residence halls for several of the smaller campuses targeted for aggressive growth. Overall, the plan envisioned the need for an increase of 17,000 additional beds over the ten-year planning period to meet the demands of enrollment growth. Finally, over 10% of the cost to renovate, modernize, and replace existing facilities was planned for infrastructure. With the overall aging of the University's physical plant, the cost for infrastructure remains a critical component of the ten-year plan. The plan anticipated two phases of capital construction.

### **Phases I and II—10-Year Capital Plan**

The first phase included those projects that were identified as high priority and necessary to meet institutional capacity needs that would develop over the first six years of the 10-year planning period, whether through new construction, renovation, or infrastructure improvements. The second phase included those projects that would be required to meet institutional needs during the next four-year period, the remainder of the major modernization projects, and other needs that it was determined could wait until the completion of the first phase. Both phases included projects to be funded with state, self-liquidating, and private dollars. As is the dynamic nature of all capital plans, the second phase will need to be

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carefully reviewed to determine that updates to high priority needs are incorporated into the plans.

The Capital Plan further identified projects for longer-term consideration (outside the 10-year window) that would not be completed in either Phase I or Phase II. The prospects of funding these projects from State, self-liquidating, or private sources was not likely within this period; however, these projects could move into the second construction phase if financial resources become available.

### **Repair and Renovation Funds as Part of Capital Plan**

The University's capital plan also contemplated a constant stream of funding from the State's Reserve for Repairs and Renovations. In 1993, the General Assembly established the Reserve to provide for current maintenance needs and address the significant backlog of deferred maintenance among State facilities. The State Construction Office conducts its Facilities Condition Assessment (FCAP) of all State facilities every three years to determine the condition of those facilities and provide estimates of the current replacement value of State facilities. Since 1993, the Board of Governors has relied on a formula to distribute funds from the Reserve for Repairs and Renovations that is based on the FCAP assessments, square footage, and program requirements of the campuses. It is important to note that this critical funding was unavailable for two years (2001 and 2002) because of revenue shortfalls in the State's budget. This funding is needed to continue to address both current and deferred maintenance needs to ensure that University facilities do not deteriorate further and that the effects of the renovations under the bond program will last indefinitely. Because the State was unable to provide this funding, the University lost approximately \$114 million needed to meet current and deferred maintenance needs.

The campuses' six-year plans for R&R funds total just over \$600 million. The Board of Governors' requested \$202 million in repair and renovation funds for the 2003-05 biennium. The General Assembly did not fund the Reserve for Repairs and Renovations for two consecutive years as a result of the State's fiscal crisis. The 2003 Regular Session of the General Assembly allocated \$4.6 million in R&R funds for the University and authorized another \$300 million in debt for Statewide R&R funds. Historically, the University has received 46 % of Statewide R&R funds.

### **University of North Carolina Sources—Self-Liquidating Projects**

Phase I and Phase II of the 10-year Capital Plan included projects to be funded from self-liquidating sources. The Capital Study proposed that the State continue its practice of providing approximately 60% of the necessary funds for capital expenditures on the campuses, while requiring the campuses to provide approximately 40% of funds from resources generated by campus auxiliaries. Over the past five years, the Board has requested and the General Assembly has authorized over \$1 billion in capital projects from self-liquidating sources. The 2002 and 2003 self liquidating packets, alone totaling over \$889 million, have resulted in the comprehensive renovation of 20 residence halls, the addition of roughly 4,000 new beds for resident students, the addition of close to 4,000 new parking spaces, in addition to improvements in student services in the form of new or improved student centers, dining facilities, and recreational facilities, and major infrastructure improvements on those campuses with aging facilities and infrastructure.

### **2000 Higher Education Bond Program—Status**

By its third year, the Higher Education Bond Program had achieved the important milestone of having placed 82% of bond projects in some stage of design, construction, or completion.

Contractual commitments for projects either underway or completed comprised 40% of the bond program value (\$2.5 billion) or \$1 billion.

Just as important, the overall schedule for University construction remained within the baseline estimates and all projects were expected to complete on budget. While significant challenges remained for the overall economy, the University's efforts to maintain a healthy pace of construction continued to provide opportunities for the State economy and the design and contractor communities. The University is also securing competitive bids for the bond projects.

The following tables show projects completed to date (as of June 30, 2003) and the schedule for projects that will be completed over the next six years (July 1, 2003 through June 30, 2009).

[Table VIII.1](#) lists completed projects by institution, project title, and project description. Several major projects have been completed to date, including the Science Building and the addition to the Rankin Science Building at Appalachian State University, the Medical Biomolecular Research Building and the School of Medicine's Bioinformatics building at the University of North Carolina at Chapel Hill, the Science Instructional Building at the University of North Carolina at Greensboro, and the Science and Technology Building at East Carolina University.

[Table VIII.2](#) lists projects scheduled for completion by institution and project titles. By the end of the first phase of the capital program, over five million square feet of academic space will have been renovated. Close to three million square feet of science and technology laboratory space will have been modernized or added. Residence hall additions will provide for over 3,000 new beds and the comprehensive renovation of twelve existing residence halls.

### **Use of Historically Underutilized Businesses**

Design and construction work within the UNC Bond Program has continued to provide business opportunities for minority designers and contractors. Contracts awarded under the program continue to exceed the state's goal of 10% of the total for Historically Underutilized Businesses (HUBs). Current design and construction contracts reflect total minority participation of over 16.1% of the total dollar value of contracts awarded. Efforts are underway to enhance the designer selection process to provide opportunities to further increase minority participation, particularly for African American designers.

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**Table VIII.1. The University of North Carolina Bond Projects Completed before July 1, 2003**

**Part 1 of 3**

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>Appalachian State University</b>	
<u>Science Building--CAP:</u> This project completes approximately 8,000 square feet of unfinished laboratory space in the Science Building, constructed with funding from the 1993 bond issue. The laboratories support the Chemistry, Physics and Astronomy, and Computer Science programs.	12/03/02
<u>Rankin Science Building Addition:</u> Damage from repeated flooding, deterioration, and functional obsolescence made replacing a portion of Rankin Science Building located in the flood plain cheaper than renovation. The remaining, larger portion of the structure requires complete modernization, including environmental, code and access improvements, to support rapidly expanding programs in Biology, Geology, and Geography and Planning.	06/11/03
<u>Land Acquisition:</u> The University identified several parcels of contiguous land that was considered key in the successful implementation of the ten-year Master Plan. The land was held in private ownership and the bond funds permitted the acquisition of the land when it became available on the open market.	12/31/02
<b>East Carolina University</b>	
<u>Campus Computing Center Renovation:</u> This project involved the renovation and modernization of campus computing center facilities for centralized information technology. It addresses the current and future space needs of the rapidly growing information technology operation serving the campus and the region. As space is acquired and renovated, units scattered across campus will be able to consolidate, thereby allowing the spaces they vacate to be renovated for other academic needs.	07/30/02
<b>Elizabeth City State University</b>	
<u>Physical Education Facilities:</u> This project provides improved playing fields, classrooms, locker rooms, and bathrooms immediately adjacent to outdoor facilities, allowing class sections to combine classroom instruction with outdoor training. The facility also supports commencement, intramural sports, and intercollegiate athletics.	04/25/03
<b>North Carolina A &amp; T State University</b>	
<u>Campus Security Improvements:</u> The project provides for enhanced campus security by improving lighting and the availability of emergency telephone call boxes.	12/01/01
<b>North Carolina Central University</b>	
<u>McLean Residence Hall:</u> This project renovated a 78-bed residence hall built in 1937. The scope of work included installation of fire sprinklers, an elevator, upgraded electric systems, and a central air conditioning system; window replacement; restroom rehabilitation; abatement of lead and asbestos containing building materials; and renewal of architectural finishes. The project supplemented \$1.9 million in other R&R work.	11/18/02
<b>North Carolina School of the Arts</b>	
<u>Stevens Center--Comprehensive Modernization &amp; Major Renovations:</u> The Stevens Center is a state-owned, 10-story building in downtown Winston-Salem used by the school for productions of drama theatricals, dance, and musical performances. The renovation of the upper floors provided for the expansion of the Community Music Outreach Program and provided additional storage facilities.	05/05/03

**Part 2 of 3**

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>North Carolina State University</b>	
<u>Clark Hall Conversion and Renovation:</u> This renovation of the former infirmary provides office space for faculty and student support programs on floors 2, 3, and 4 of Clark Hall.	01/ 20/ 03
<u>Horticultural Classroom at Arboretum Education Center:</u> This project included the addition of a teaching classroom for plant sciences and landscape design at the Arboretum's new 12,350-square-foot Education Center.	07/ 01/ 02
<u>Research and Teaching Feed Mill:</u> This project provided a new facility to house instructional feed mill, classroom and laboratory.	01/ 17/ 03
<u>Undergraduate Science Teaching Lab--Greenhouses:</u> This project provided for the construction of greenhouses at Method Road and at Hort Field.	05/ 03/ 02
<u>Lake Wheeler Road Field Lab:</u> This 19,000 gross square foot facility supports teaching of beef cattle handling and reproduction by the Department of Animal Sciences.	12/ 04/ 02
<b>The University of North Carolina at Asheville</b>	
<u>Campus Primary Electrical Distribution Upgrade &amp; Improvements:</u> This project renovated the campus underground electrical distribution system and replaced sections of the system. The system was more than 30 years old and had surpassed the expected life cycle and did not meet current electrical demands.	01/ 10/ 03
<u>Technology Infrastructure Expansion:</u> This initiative continued expansion of the campus information technology infrastructure that supports teaching and learning programs, student and administrative services, and other activities central to the University's mission.	11/ 02/ 02
<b>The University of North Carolina at Chapel Hill</b>	
<u>Medical Biomolecular Research Building (MBRB):</u> This 225,000-square-foot laboratory building houses research laboratories and necessary laboratory support space for the School of Medicine.	03/ 03/ 03
<u>Carolina Living and Learning Center:</u> The Carolina Living and Learning Center, located north of Pittsboro in Chatham county, is an agrarian based living and learning center for autistic adults. Phases 1 and 2 have constructed cottages for fifteen patients (eventual build-out will provide for thirty patients). This phase constructed the commons building and connected the sewer line of the center to the Town of Pittsboro municipal sewer system.	04/ 15/ 02
<u>Murphey Hall Classroom:</u> This project provided for an extensive renovation of the entire building constructed in 1924. Murphey Hall is a heavily used general-purpose classroom building that also houses the Classics Department. The renovation included new room configurations, new ceilings and lighting, new floors, new electrical and telecommunication systems and central air conditioning.	12/ 17/ 02
<u>School of Medicine (Bioinformatics):</u> This project provided space to consolidate Mail Center operations on the lower floor of the completed Bioinformatics Building. The location offers an improved loading dock and vehicular access.	11/ 19/ 02

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### Part 3 of 3

#### PROJECT

#### COMPLETION DATE

#### **The University of North Carolina at Chapel Hill (continued)**

##### *RB House Library:*

07/15/02

The R.B. House Library was built in 1968 and, since that time, has served as the undergraduate Library. In addition to providing repairs to the building, roof, electrical and HVAC systems and removing asbestos, this project accomplished a comprehensive renovation of this facility to combine the operation of the Undergraduate Library with the Office of Institutional Technology. This combination of functions provides for modern technological services to library users.

#### **The University of North Carolina at Charlotte**

##### *Chiller Replacement:*

06/25/03

One central chiller plant replaced individual chillers at McEniry and Smith buildings and now provides sufficient capacity to serve the Bookstore and Prospector cafeteria. The new plant is located in McEniry and consists of two 500-ton water-cooled centrifugal chillers, two 2-cell induced draft cooling towers, and associated pumps, piping, and controls.

##### *Technology Infrastructure Expansion:*

06/16/03

This initiative continued the expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

#### **The University of North Carolina at Greensboro**

##### *Science Instructional Building:*

05/02/03

This new building houses Chemistry and Biology departments. It replaces obsolete classrooms and chemistry laboratories in the 1939 Petty building and provides additional classroom and laboratory space for the rapidly growing biology program.

#### **The University of North Carolina at Wilmington**

##### *Academic Support Facilities:*

06/25/03

This facility provides faculty, administration and facilities with new warehouse and printing shop buildings.

#### **Winston-Salem State University**

##### *F. L. Atkins--Additions and Renovations:*

10/15/02

The F.L. Adkins addition and renovation project included a 32,000 square foot addition plus a 11,000 square foot renovation of the existing Health Sciences Building.

#### **North Carolina School of Science and Math**

##### *Renovation of Royall Outreach Center:*

02/14/03

This 1917 building has been renovated to provide housing for residential program students and students and teachers participating in NCSSM's distance learning programs. Mechanical, electrical, and plumbing systems have been replaced and the building altered to meet current code requirements.

#### **UNC Center of Public Television**

##### *Mobile Satellite Uplink:*

10/31/01

This project funded UNC-TV's federally mandated conversion to digital television (DTV). The mobile satellite uplink allows UNC-TV to bring coverage of many more significant events from remote locations throughout North Carolina to its statewide audience. Together, these improvements allow UNC-TV to bring greatly enhanced value to every citizen of the state.

**Table VIII.2. The University of North Carolina Bond Projects  
for Completion July 1, 2003 through June 30, 2009****Part 1 of 7**

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>Appalachian State University</b>	
Central Library Complex	07/27/07
Rankin Science Building Renovation	08/07/06
Living and Learning Center--Academic Portion	12/05/03
Turchin Visual Arts Center Addition	09/23/04
Smith-Wright Hall Renovation	12/14/06
Founders Hall--Comprehensive Renovation	10/13/03
Walker Hall Renovation	03/10/04
B.B. Dougherty Hall Renovation	08/19/03
Water System Improvements	11/17/04
Technology Infrastructure Expansion	02/24/03
<b>East Carolina University</b>	
<i>Science Labs and Technology Building, Replacement for Flanagan</i>	<i>07/31/03</i>
Flanagan Building--Renovation & Conversion	12/03/03
Nursing, Allied Health and Developmental Eval. Clinic Expansion & Renovation of Old Nursing Building	02/15/06
Belk Building Renovation & Conversion	03/15/07
Classroom Improvements--Technology Upgrades and Renovations	03/15/07
Academic Space Requirements--Teaching Laboratories	06/02/04
Old Cafeteria Office Building Renovation	07/25/06
Infrastructure--Repairs and Expansion	03/06/07
<i>Land Acquisition</i>	<i>12/07/05</i>
Technology Infrastructure Expansion	<i>09/02/03</i>
08/22/03	
<b>Elizabeth City State University</b>	
Lane Hall Classroom Building Renovation	04/11/06
Trigg Hall Classroom Building Renovation	04/24/07
Johnson Hall Classroom Building Renovation	01/31/05
Williams Hall Classroom Building Renovation	12/02/03
Lester Hall Classroom Building Renovation	12/02/03
White Graduate Center & Continuing Education Building Renovation	02/24/05
Wilkins Laboratory Building Renovation	02/17/04
Mitchell-Lewis Residence Hall Renovation	04/01/05
Wamack Residence Hall Renovation	03/17/05
Doles Residence Hall Renovation	10/27/05
Residence Hall for 200 Students--Replacement of Symera Hall	06/14/06
Central Chiller Plant	08/05/04
Student Center	11/29/04
Campus Infrastructure Improvements	10/12/04
Electrical Distribution System Upgrade	08/19/05
Energy Management System Improvements	06/06/05
Technology Infrastructure Expansion	05/24/05
Land Acquisition	09/02/03
09/14/05	
<b>Fayetteville State University</b>	
Residence Hall for 275 Students	01/25/05
Lyons Science and Laboratory Building--Comprehensive Renovation & Addition	11/01/05
Science Annex--Comprehensive Renovation	11/05/04
Continuing Education Center--Comprehensive Renovation	04/12/04
Taylor Social Sciences Classroom Building--Comprehensive Renovation	03/27/07

\* Italics represent projects reported as completed in the September 2003 Quarterly Report.



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**Part 2 of 7**

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>Fayetteville State University (continued)</b>	
Charles Chestnut Library--Comprehensive Renovation	05/10/04
William Collins Building--Comprehensive Renovation	09/14/06
Seabrook Auditorium--Comprehensive Renovation	01/05/05
Taylor Gymnasium--Conversion of Building for Academic Use	09/27/05
Lilly Gymnasium--Comprehensive Renovation & Conversion of Building for Student Services	09/06/05
Cook Dining Hall--Comprehensive Renovation & Conversion	06/22/04
Student Residence Halls--Fire Safety Improvements	10/07/03
Campus Infrastructure Improvements	07/21/04
Comprehensive Renovation & Conversion of Spaulding (Old Infirmary) for Public Safety Facility	12/03/03
Technology Infrastructure Expansion	11/28/03
<b>North Carolina A &amp; T State University</b>	
Classroom and Laboratory Complex	01/07/05
Chemistry Laboratory--Replacement for Hines Hall	07/25/05
Harrison Auditorium Renovation	11/29/05
New Student Housing (Four Dormitories)	05/10/05
New Student Housing (Four Dormitories)	05/10/05
New Student Housing (Four Dormitories)	05/10/05
New Student Housing (Four Dormitories)	05/10/05
Holland Residence Hall Renovation	08/29/06
Morrison Residence Hall Renovation	08/23/04
Zoe Barbee Residence Hall Renovation	03/27/07
Hazardous Materials & Waste Storage Facility	01/31/05
School of Agriculture Improvements	05/26/04
Barnes Hall Laboratory Renovation	03/07/07
Graham Hall Engineering Laboratory Renovation	06/07/05
Corbett Intramural Center Addition	10/20/08
Replacement of Steam Lines and Access Holes	09/02/03
Electrical Distribution System--Upgrade and Expansion	08/31/04
Central Cooling Plant Phase I	06/21/07
Cherry Hall Laboratory Building Renovation	11/14/05
Three Classroom Building (Dudley, Gibbs & Moore) Renovation	06/22/07
Land Acquisition	02/13/04
Technology Infrastructure Expansion	11/28/03
<b>North Carolina Central University</b>	
Science Building	12/26/03
Farrison Newton	06/06/06
Student Housing (Graduate)	05/14/04
Baynes Residence Hall	01/10/05
Rush Residence Hall	08/02/04
Eagleson Residence Hall	05/11/06
Shepard Residence Hall	03/11/05
Latham Residence Hall	08/09/05
Pearson Cafeteria	04/13/07
Student Residence Halls--Fire Safety and Security	06/18/04
Turner Law School	02/07/05
Shepard Library	03/09/05
Old Senior Dorm	N/A
Alexander Dunn Building	08/17/05
Campus Infrastructure	09/20/04
Hoey Building	N/A

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<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>North Carolina Central University (continued)</b>	
Code Compliance Corrections	09/02/03
Land Acquisition	01/09/06
Public Safety	12/11/03
Technology Infrastructure	09/02/03
BN Duke	12/18/03
Health and Safety Repairs	12/08/04
Mold Remediation	09/02/03
<b>North Carolina School of the Arts</b>	
Basic Performance and Education Complex--Phase I and Phase II	06/29/04
Film Archives Building	01/19/04
Student Services Support Complex	09/02/04
Dance Costume Shop--Comprehensive Renovation	10/21/04
Workplace Building #2--Comprehensive Renovation	08/19/05
Crawford Hall and the Recital Hall--Comprehensive Renovation	08/09/05
Residence Hall	11/16/04
Gray Classroom Building--Partial Renovation	08/09/05
Technology Infrastructure Expansion	07/19/04
Renovation of DeMille Theatre	08/09/05
Land Acquisition	10/19/05
<b>North Carolina State University</b>	
Undergraduate Science Teaching Laboratory Phase I	01/15/04
Withers Hall--Comprehensive Renovation	09/01/06
College of Engineering Phase I	11/09/04
College of Veterinary Medicine--Research Addition and Renovation of Labs and Academic Space	04/22/05
College of Engineering Complex--Phase II CM@Risk	06/29/05
David Clark Lab Renovation & USTL Phase 2	05/13/05
South Gardner Hall Laboratory Renovation	08/15/07
1911 Building Comprehensive Renovation	08/05/08
Park Shops Comprehensive Renovation	03/07/08
Riddick Lab--Comprehensive Renovation Lab to Classroom	05/23/06
Harrelson Classroom Building, Modernization	06/01/09
Clark Hall Conversion and Renovation	01/21/02
Schaub Food Science Building--Comprehensive Renovation CM@Risk	07/22/05
Williams Hall Laboratory Building Renovation	07/02/07
Polk Hall Laboratory--Comprehensive Renovation	04/28/08
Leazar Hall Laboratory Building--Comprehensive Renovation	06/29/06
Daniels Hall Laboratory Building--Phase 1	09/08/06
Jordan Hall Lab and Classroom Building--Addition CM@Risk	05/19/05
Library Space--Phase I	04/27/06
Support Services Center--to Relocate Various Campus Services	08/16/05
Field Research Laboratories and Outlying Research Facilities--Phase I	08/03/06
Research Lab Space--Phase 1	04/26/05
Public Safety Facility	05/25/04
College of Veterinary Medicine--Mechanical and Electrical System Improvements	12/12/06
Technology Infrastructure Expansion	07/15/04
North Campus Chilled Water	01/02/06
Chilled Water Brickyard Loop Extension and Cooling Tower	N/A
Steam Distribution and Capacity Improvements (Sullivan Dr. area)	12/12/03
Main Campus Infrastructure (including Water System)	01/23/06
College of Veterinary Medicine Infrastructure CM@Risk	03/30/04

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<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>North Carolina State University (continued)</b>	
Centennial Campus--Infrastructure	05/05/04
Land Acquisition	07/31/03
Animal and Food Science Facilities	05/11/06
Land Acquisition / Beef Herd Relocation	08/30/04
<b>The University of North Carolina at Asheville</b>	
Math & Science Building--Replacement of Rhodes & Robinson	03/18/05
Highsmith Center Renovation	05/25/04
Carmichael Hall Renovation	10/27/04
Zageir Hall Renovation	12/05/05
Relocate Physical Plant Facilities	07/05/05
Justice Gymnasium Renovation	02/06/04
<b>The University of North Carolina at Chapel Hill</b>	
Medical Science Research Building (MSRB)	12/20/04
Health Sciences Library	05/21/04
School of Dentistry (Old Dental Building Renovation)	03/17/04
Rosenau Hall Laboratory	12/14/06
Brauer Hall	08/04/06
Burnett Womack	08/29/05
Berryhill Hall Renovation	09/13/06
Beard Hall Classroom	01/31/05
Teaching Research Building--School of Public Health	09/10/04
Carrington Hall	06/17/04
Community Health Building--Consolidation of Programs	N/A
Genetic Research Building	04/13/06
Science Complex Phase I & II	12/19/07
New West Classroom Renovation	02/01/06
Steele Building Comprehensive Renovation	07/02/07
Saunders Hall Classroom Building	12/14/04
Peabody Hall Classroom Renovation	02/13/04
Memorial Hall Renovation	10/25/04
Smith Hall Renovation	08/03/06
Institute of Marine Science Renovation--Morehead	09/11/03
Hamilton Hall Renovation	07/23/07
Gerrard Hall Classroom Renovation	04/26/06
Caldwell & Howell Halls Classroom Renovation	10/20/06
Coker & Mitchell Halls Renovation	07/16/09
Hanes and Manning Halls and Alumni Building Renovation	05/25/06
Woolen & Fetzer Classroom Renovations	06/22/07
Greenlaw Hall Renovation	04/28/08
Phillips Hall Classroom Renovation	08/27/03
Hill & Davie Classroom Renovation	09/18/06
Academic Facilities (Global Education Center)	09/02/03
College of Arts and Sciences (Arts Common)	08/11/08
Physical Plant Support Facilities	04/21/06
Student Services Building	11/21/05
Storm Drainage Improvements	10/11/07
Cogeneration Facility	10/20/05
Steam Distribution System Replacement	06/02/03
Upgrade Campus Energy Management	08/10/05
Campus Fiber Optics Network	08/04/08

**Part 5 of 7**

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>The University of North Carolina at Chapel Hill (continued)</b>	
Electrical System Improvements	06/22/05
Infrastructure Improvements (Manning Steam Plant)	07/31/03
Technology Infrastructure Expansion	11/17/05
Land Acquisition	12/30/05
440 West Franklin Street Renovation	07/11/05
Wilson Hall Laboratory Renovation	02/16/06
<b>The University of North Carolina at Charlotte</b>	
Academic Facilities--Humanities	05/20/04
Science and Technology Building	07/02/04
Classroom and Office Building	08/31/04
College of Education Building	10/05/04
College of Nursing and Health Professions Building	06/02/06
Graduate Engineering Complex	01/21/05
Research Facility and Laboratory--Phase I	N/A
Central Heating Plant Improvements--Upgrade & Modernization	09/30/03
Rowe Classroom Building--Comprehensive Renovation	07/19/05
McEniry Classroom Building--Comprehensive Renovation	01/26/06
Physical Plant and Campus Public Safety Facilities	03/28/05
<b>The University of North Carolina at Greensboro</b>	
Petty Building Renovation	11/12/07
Brown Classroom Building Renovation	09/10/07
McIver Studio Arts Center (Classroom)	02/23/06
Aycock Auditorium Renovation	03/04/08
Stone Classroom Building Renovation	04/01/05
Alumni House Code Compliance	12/18/07
Heating Plant Expansion & Improvements	02/14/05
Forney Classroom Building Renovation	09/17/08
McNutt Classroom Building Renovation	06/27/07
Electrical Power Distribution Expansion (Substation)	09/02/04
McIver Humanities Hall--Research Space Phase I	01/24/06
McIver Chiller Plant Expansion and Improvements	09/23/04
Northeast Quadrant Infrastructure	06/22/04
Technology Infrastructure Expansion	12/12/02
Land Acquisition	06/30/06
<b>The University of North Carolina at Pembroke</b>	
Science Building / Oxendine Science Building--Comprehensive Renovation	11/19/04
Locklear Hall Classroom Building--Comprehensive Renovation	01/06/06
D. F. Lowry Classroom Building--Comprehensive Renovation & Addition	06/28/06
Business Administration Building--Comprehensive Renovation	10/12/05
Moore Classroom Hall--Comprehensive Renovation	12/19/05
Residence/ Dining Hall	N/A
West Residence Hall--Comprehensive Renovation	08/23/05
Jones Physical Education Complex--Comprehensive Renovation	10/15/04
Replace Physical Plant Complex	06/18/04
Renovation of Former Physical Plant Facility	08/15/05
Campuswide Infrastructure Improvements	10/14/05
Campus Water Distribution Upgrades	04/05/05
Primary Electrical Distribution Upgrades	06/28/05

## 12 Section VIII. Facilities and the Implementation of the Bond Program

### Part 6 of 7

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>The University of North Carolina at Pembroke (continued)</b>	
Technology Infrastructure Expansion	10/27/06
Economic Forum Building (Regional Center)	04/14/04
<b>The University of North Carolina at Wilmington</b>	
School of Education	05/14/04
Academic and Classroom Facilities	11/22/05
General Classroom Building	05/25/05
King Hall Classroom Building--Comprehensive Renovation	05/20/05
Hoggard Hall Classroom Building--Comprehensive Renovation	08/29/05
Alderman Hall Classroom Building--Comprehensive Renovation	06/25/07
Westside Hall Classroom Building--Comprehensive Renovation	10/06/04
Kenan Hall Classroom Building--Comprehensive Renovation	12/05/06
Hinton James Hall Classroom Building--Comprehensive Renovation	06/19/06
Friday Hall Laboratory Building--Comprehensive Renovations	11/13/06
Kenan Auditorium--Comprehensive Renovation	12/12/06
Marine Sciences Research Center Operations Facility	08/23/05
Academic Support Facilities and Computing Center	11/29/04
Infrastructure Expansion	04/21/05
Land Acquisition	11/14/03
Primary Electrical Distribution System Improvements	01/15/04
Technology Infrastructure Expansion	07/22/05
<b>Western Carolina University</b>	
Academic Facilities--Humanities & Fine Arts	02/25/04
Stillwell Lab Building Renovation	05/30/06
<i>McKee Classroom Building Renovation</i>	<i>07/18/03</i>
<i>Bird Building--Renovation &amp; Conversion for Student Health Center</i>	<i>07/18/03</i>
Residential Learning Facility	08/29/05
Breese Gymnasium Renovation	09/13/04
New Housing Facility for 300 Students	08/20/04
Chiller Replacement and CFC Retrofit	04/22/04
Infrastructure Improvements	10/11/05
Killian Clinic Annex Renovation	09/21/04
Killian Education and Allied Professions Renovation	04/03/06
Forsyth Classroom and Computer Labs Renovation	02/01/07
Land Acquisition	05/27/05
Technology Infrastructure Expansion	10/03/06
<b>Winston-Salem State University</b>	
Computer Science Facility--Replacement and Consolidation	10/09/03
Carolina Hall--Renovation and Conversion from Computer Center to Classrooms	07/07/05
Physical and Life Sciences Building--Replacement of Hill Hall	10/01/04
Anderson Center--Comprehensive Renovation & Change of Use for Early Childhood/ Gerontology	10/18/05
Health Center Building and Old Nursing Building--Comprehensive Renovation for Student Health	12/14/05
Replace Underground Steam and Hot Water Piping	09/02/03
Chilled Water Loop System	10/13/03
Infrastructure Improvements	05/13/04
Technology Infrastructure Expansion	04/01/05

\* Italics represent projects reported as completed in the September 2003 Quarterly Report.

**Part 7 of 7**

<b>PROJECT</b>	<b>COMPLETION DATE</b>
<b>UNC Center of Public Television</b> Digital Conversion	06/15/05
<b>North Carolina School of Science and Math</b> Renovation of Bryan Center	02/02/04
<b>The North Carolina Arboretum</b> Operations Support Facility	07/27/04
Main Entrance Utilities	06/17/05
Main--School Bus Parking	09/22/04
Main Entrance Gates & Gate Houses	10/19/04
Greenhouse Exhibition Center	05/22/06