

**THE UNIVERSITY OF NORTH CAROLINA**

**Report on the  
2000 Higher Education Bond Program  
Joint Legislative Commission on Governmental Operations  
and  
Joint Legislative Education Oversight Committee**



**September 2005**

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The Michael K. Hooker Higher Education Facilities Financing Act bond program has entered into its fifth year and the constructed facilities are providing significant benefits to the students of the University of North Carolina and to each citizen of the State. While providing more than 88,000 jobs for our state, the program is ensuring that high quality resources, particularly in science and technology facilities, are available to students and researchers as North Carolina transitions from a manufacturing-based economy to one that is more knowledge-based and able to compete in the global environment.

Over the last year, the campuses have made considerable progress.

- All 316 of the bond projects are now under design, in construction or completed. Through August 2005, 57 projects are under design, 141 are in construction and 118 have been completed.
- Just over \$2 billion or 80.4% of bond program dollars are now committed to design or construction contracts. It is expected that 90% of the bond program dollars will be committed by May 2006.
- The program has exceeded \$1.5 billion in expenditures.
- As part of its continuing commitment to contribute resources to its capital needs, the University has requested and the General Assembly has approved over \$2.2 billion in projects from nonappropriated sources since 2000.
- The program continues to exceed State goals recommended for Historically Underutilized Businesses (HUBs). The University's outreach efforts, including the "HUB Contractor Academy", which teaches skills essential for managing a construction business, are building a momentum that promises long-term benefit for the minority contracting community.
- As a result of the first academy a new company (Academy Construction Inc.) was formed by four of the contractors in the program. This company is currently in a mentor/ protégé agreement on a \$30M project at UNC at Chapel Hill with SKANSKA USA.
- UNC projects completed through the Construction Manager (CM) at Risk construction delivery method have out-performed those completed through other construction contracting methods in providing contracts to HUBs.
- Bonds sold by the State Treasurer in support of the program total \$1.98 billion.

Recent status reports indicate the completion of construction for all projects by December 2008, seven months earlier than was indicated on the baseline schedule adopted by the University and accepted by the Higher Education Bond Oversight Committee in April 2002. While some projects have experienced acceleration and some have experienced delays relative to the baseline, the overall program continues at a pace that will result in completion of all projects earlier than anticipated.

The early years of the program were marked by a favorable bid climate, resulting in the awarding of contracts and completion of projects with savings relative to the budgets specified in the authorizing legislation. Within the University, campuses banked those savings in recognition that the favorable bid climate could change in the later years of the program. A higher than anticipated and significant spike in construction prices occurred this past year and many campuses received bids on some projects that exceeded the planned budgets. Some projects were rebid, some were subjected to value engineering or direct negotiations with contractors to achieve lower prices, and in some cases campuses utilized earlier savings to ensure that projects were expedited without significant alterations to the original project scopes. When available and needed, campuses sometimes supplemented the bond funds with other institutional funds.

While the dramatic and unusual rate of increase in construction inflation has now slowed, it appears that prices will be generally higher for the remainder of the program. In response, each campus has prepared a detailed Financial Exposure Plan with the objective being a thorough revaluation of the unexecuted portion of their programs to determine how each will complete its program within its own resources given the current construction industry conditions. The plans examined each project, its completion timeframe, its budget relative to the current cost estimate, positive and negative cost variances, internal and external funds sources, potential program adjustments and how the program could be balanced. Overall, the campuses are proactively managing the bond program through a difficult period and the program continues to deliver on its promises of quality resources delivered on time and on budget.

Appalachian State University, North Carolina School of the Arts, The University of North Carolina at Charlotte, Winston-Salem State University and all three UNC Affiliates (i.e. NC Arboretum, NCSSM and UNC-TV) have achieved the significant milestone of having all their projects under construction or complete. The North Carolina School of Science and Math has completed its program and is the first to achieve that goal.

Created in the Act, the Higher Education Bond Oversight Committee has met quarterly and continues to actively monitor the progress of the program, both overall and at the campus level. During these meetings, the committee has heard detailed reports and engaged in discussions on cash flow and schedule, expenditure and scope compliance, HUB participation, the evolution of the Construction Manager at Risk construction delivery method and the sharing of program management best practices. Held at a University campus or at a Community College, each meeting has also included activity reports from the State Construction Office, the Department of the State Treasurer and the hosting institution.

As required by the Act, the Board of Governors reports annually on the authorized bond program to the General Assembly.

Attachment 1 of this report provides a summary of the contractual commitments from bond funds by project phase for the program at each campus.

Attachment 2 of this report provides the following required information on the bond program:

1. the total cost of each project (column 7),
2. the amount of each project funded from the bonds (column 5),
3. the expenditures to date by project from the bonds (column 8)
4. the expenditures to date by project from other sources (column 9) and
5. the percentage of each project completed (column 11).

Attachment 3 of this report provides the following required information on the bond program:

1. the estimated [20-year, average] operating costs for each project begun in the preceding fiscal year (column 8)
2. the proposed source of funds for these operating costs (column 9) and
3. the anticipated dates for occupancy for each of these projects (column 6).

In addition to providing information on the bond program, the act requires the Board of Governors to report annually on the University's current condition, its presently funded maintenance projects and its funding needs that would allow the University to be proper stewards of these valuable State assets.

Attachment 4 of this report provides the required information on the condition of the University's capital assets. Every three years, the State Construction Office reviews the facilities at each UNC constituent institution, documents deficiencies and estimates the cost to remedy the deficiencies. Their work results in a Facilities Condition and Assessment Program (FCAP) report for each campus. Attachment 4 summarizes these reports by campus.

As of the 2004 cycle (the most recent available), the University has a documented backlog of repair needs of \$963.3 million, of which approximately \$631 million relate to deficiencies in state-supported facilities (column 4) and approximately \$332 million relate to deficiencies in non-state supported facilities (column 7). It is important to note that the FCAP reports do not consider the value of non-building infrastructure, which constitutes roughly one-third of the State's physical plant.

Attachments 5 & 6, attachments 7 & 8 and attachments 9 & 10 of this report provide the required information on the repair, renovation and maintenance projects being undertaken by the University from the 2003 appropriation to the Statewide Reserve for Repairs and Renovations fund, from the 2003 certificates of participation (COPS) special indebtedness program and from the 2004 appropriation to the Statewide Reserve for Repairs and Renovation fund, respectively.

Attachments 11 & 12 of this report provide the required information on the needs for additional funding to maintain the University's facilities. This information comes from the University's six-year plan for Repairs & Renovation funding, as submitted in the 2005-07 biennial budget request. The total is approximately \$750 million and represents the portion of system-wide repair and renovation needs that institutions propose to fund from the Statewide Reserve for Repairs and Renovations to care for state-supported facilities over the next six years.

During the summer of 2004, the University contracted with Eva Klein Associates, Ltd. to review the Board's Repair and Renovation Funding program. The review included an analysis of the allocation of funds between UNC and other State agencies, the University's formula allocation among the campuses, and practices followed by campuses in prioritizing projects to be funded and expediting construction. The report determined that the Board's formula for allocating repair and renovation funds continues to be effective and that campus processes for identifying, prioritizing and executing repair and renovation projects were also effective. In early 2005, the Office of the State Auditor concurred with these findings.

In summary, the campuses are meeting the challenges of this multi-project task, managing their program well and delivering first-rate facilities that will keep North Carolina in the forefront of higher education and well positioned for a promising future.

**THE UNIVERSITY OF NORTH CAROLINA**  
**2000 Higher Education Bond Program Status Overview - Attachment 1**  
**Contractual Commitments from Bond Funds - August 2005 Data**

Institution	# of Projects per Bond List*	# of Project Bid Packages*	Total Dollar Value	In Design Phase				In Construction Phase				Complete				Land Acquisitions		Totals by Institution		
				\$	%	#	%	\$	%	#	%	\$	%	#	%	\$	%	Bond \$ Contractually Committed	% of Funds	% of Jobs in Progress or Complete
ASU	13	23	\$87,406,200	\$4,138,653	4.73%	2	8.70%	\$59,872,258	68.50%	8	34.78%	\$19,484,409	22.29%	13	56.52%	\$829,300	0.95%	\$84,324,620	96.47%	100.00%
ECU	13	21	\$190,609,500	\$6,414,004	3.36%	1	4.76%	\$72,032,301	37.79%	7	33.33%	\$93,639,444	49.13%	13	61.90%	\$7,668,849	4.02%	\$179,754,598	94.31%	100.00%
ECSU	19	21	\$46,296,800	\$2,528,310	5.46%	7	33.33%	\$19,551,642	42.23%	6	28.57%	\$12,073,184	26.08%	5	23.81%	\$0	0.00%	\$34,153,136	73.77%	85.71%
FSU	17	24	\$46,021,400	\$1,642,599	3.57%	5	20.83%	\$32,225,503	70.02%	12	50.00%	\$4,363,783	9.48%	6	25.00%	N/A	N/A	\$38,231,885	83.07%	95.83%
NCA&T	21	37	\$161,800,091	\$5,684,825	3.51%	8	21.62%	\$42,538,879	26.29%	9	24.32%	\$56,480,191	34.91%	20	54.05%	\$6,300,000	3.89%	\$111,003,895	68.61%	100.00%
NCCU	23	41	\$121,246,203	\$6,930,213	5.72%	3	7.32%	\$64,695,556	53.36%	15	36.59%	\$25,398,422	20.95%	23	56.10%	\$2,000,546	1.65%	\$99,024,737	81.67%	100.00%
NCSA**	12	10	\$42,547,500	\$498,726	1.17%	0	0.00%	\$7,019,229	16.50%	4	40.00%	\$29,567,701	69.49%	6	60.00%	\$2,830,564	6.65%	\$39,916,220	93.82%	100.00%
NCSU	40	118	\$468,256,655	\$15,098,394	3.22%	18	15.25%	\$138,442,455	29.57%	31	26.27%	\$220,198,788	47.03%	68	57.63%	\$3,112,630	0.66%	\$376,852,267	80.48%	99.15%
UNC-A	9	12	\$50,464,200	\$3,027,742	6.00%	1	8.33%	\$28,720,362	56.91%	3	25.00%	\$13,735,498	27.22%	8	66.67%	N/A	N/A	\$45,483,602	90.13%	100.00%
UNC-CH	49	87	\$510,539,075	\$36,674,171	7.18%	24	27.59%	\$225,229,723	44.12%	33	37.93%	\$132,581,040	25.97%	29	33.33%	\$5,492,533	1.08%	\$399,977,467	78.34%	98.85%
UNC-C	15	22	\$190,033,501	\$11,389,982	5.99%	4	18.18%	\$136,538,313	71.85%	10	45.45%	\$33,080,061	17.41%	8	36.36%	N/A	N/A	\$181,008,356	95.25%	100.00%
UNC-G	17	24	\$166,008,255	\$9,165,165	5.52%	6	25.00%	\$42,530,486	25.62%	6	25.00%	\$53,317,781	32.12%	12	50.00%	\$5,014,561	3.02%	\$110,027,993	66.28%	100.00%
UNC-P	17	16	\$56,873,600	\$1,602,847	2.82%	5	31.25%	\$10,680,241	18.78%	6	37.50%	\$32,671,586	57.45%	5	31.25%	N/A	N/A	\$44,954,674	79.04%	100.00%
UNC-W	18	29	\$109,201,800	\$7,583,381	6.94%	4	13.79%	\$48,040,863	43.99%	8	27.59%	\$26,613,872	24.37%	17	58.62%	\$2,100,000	1.92%	\$84,338,116	77.23%	100.00%
WCU	15	26	\$100,336,744	\$4,458,294	4.44%	6	23.08%	\$20,877,297	20.81%	5	19.23%	\$55,496,411	55.31%	15	57.69%	\$3,153,000	3.14%	\$83,985,002	83.70%	100.00%
WSSU	13	23	\$46,786,581	\$713,936	1.53%	1	4.35%	\$11,062,216	23.64%	9	39.13%	\$33,493,843	71.59%	13	56.52%	N/A	N/A	\$45,269,995	96.76%	100.00%
UNC-TV	2	6	\$65,890,600	\$0	0.00%	0	0.00%	\$40,193,833	61.00%	0	0.00%	\$8,994,347	13.65%	6	100.00%	N/A	N/A	\$49,188,180	74.65%	100.00%
NCSSM	2	4	\$5,163,000	\$0	0.00%	0	0.00%	\$0	0.00%	0	0.00%	\$5,163,000	100.00%	4	100.00%	N/A	N/A	\$5,163,000	100.00%	100.00%
The NC Arboretum** Reserve-for Repairs and Renovations & Cost Overruns	1	5	\$9,331,700	\$344,626	3.69%	0	0.00%	\$5,579,703	59.79%	3	60.00%	\$2,729,585	29.25%	2	40.00%	N/A	N/A	\$8,653,914	92.74%	100.00%
Total	316	549	\$2,500,000,000	\$117,895,868	4.72%	95	17.30%	\$1,005,830,860	40.23%	175	31.88%	\$859,082,946	34.36%	273	49.73%	\$38,501,983	1.54%	\$2,021,311,657	80.85%	98.91%

\*The number of projects undertaken by the institutions differs from the number as listed in the bond legislation because projects are in some instances combined or separated into multiple phases. The percentages reported are based on the number of bid packages being prepared by the institution in order to give a more accurate progress picture. The number of projects listed based on legislation, reflects the original 316 items with adjustments approved through scope change requests.

\*\*With no construction projects in design, a dollar commitment continues to be reported reflecting the continued role of the designer in construction administration until completion of the project.

Construction Manager at Risk preconstruction fee is listed under "Construction" column and will reflect a project count when a Gross Maximum Price contract is executed.

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**2000 Higher Education Bond Program -- June 2005 Data - Attachment 2**

Code	Item	Institution	Bond Bill Amount (\$)	Revised (w/transfers) Bond Amount (\$)	Non-Bond Amount (\$)	Revised Total Budget (\$)	Expended through 6/30/2005 Bonds (\$)	Expended through 6/30/2005 Other (\$)	Status	% Complete
		<b>Appalachian State University</b>	<b>87,406,200</b>	<b>87,406,200</b>	<b>3,271,180</b>	<b>90,677,380</b>	<b>66,962,732</b>	<b>3,244,631</b>		
40080	301	Central Library Complex	47,586,800	47,586,800	0	47,586,800	36,575,321	0	Construction	63%
	302	Science Building – Completion of Interior Laboratories and Academic Space	1,260,000	410,565	0	410,565	410,565	0	Complete	100%
	303	Rankin Science Building – Comprehensive Renovation	11,157,000	17,062,935	1,220,000	18,282,935	13,449,802	1,200,575	Construction	75%
	304	Living and Learning Center – Academic Portion	4,022,800	3,499,560	0	3,499,560	3,485,157	0	Complete	100%
	305	Visual Arts Center/Education Outreach Center – Renovation	4,374,700	4,155,965	2,000,000	6,155,965	3,539,068	1,992,876	Complete	100%
	306	Smith-Wright Hall Classroom Building – Comprehensive	1,636,100	1,554,295	0	1,554,295	101,021	0	Construction	57%
	307	Founders Hall – Comprehensive Renovation	1,044,100	1,044,100	51,180	1,095,280	1,044,100	51,180	Complete	100%
	308	Walker Hall Classroom Building – Comprehensive Renovation	1,733,800	1,474,437	0	1,474,437	1,474,437	0	Complete	100%
	309	B.B. Dougherty Hall – Comprehensive Renovation	1,000,000	1,332,100	0	1,332,100	1,319,738	0	Complete	100%
	310	Water System Improvements	2,866,200	3,047,890	0	3,047,890	1,444,463	0	Construction	80%
	311	Land Acquisition	829,300	829,300	0	829,300	829,300	0	Complete	100%
	312	Technology Infrastructure Expansion	4,838,900	4,596,955	0	4,596,955	2,977,163	0	Construction	81%
	313	Rankin Science Building - Comprehensive Renovation (Annex)	5,056,500	0	0	0	0	0	Combined w/ 303	N/A
	350	Effective Project Management/Inflation		811,298		811,298	312,597	0	N/A	N/A
		<b>East Carolina University</b>	<b>190,609,500</b>	<b>190,609,500</b>	<b>14,983,024</b>	<b>205,592,524</b>	<b>127,698,516</b>	<b>14,057,678</b>		
40086	301	Science Laboratories and Technology Building – Replacement for Flanagan Science Building	55,125,300	59,735,416	11,044,692	70,780,108	59,198,895	11,247,521	Complete	100%
	302	Flanagan Building – Renovation and Conversion for General Academic Use	13,421,300	13,499,130	0	13,499,130	12,825,432		Complete	100%
	303	Nursing, Allied Health and Developmental Evaluation Clinic Complex - Replace Rivers and Belk Buildings and Relocate to Medical School	46,882,500	54,935,955	100,000	55,035,955	25,909,204	176,443	Construction	82%
	304	Expansion and Renovation of the Old Nursing Building	14,685,500	11,017,300	500,000	11,517,300	10,609,739	500,000	Complete	100%
	305	Belk Building – Comprehensive Renovation and conversion from Allied Health to General Academic	7,791,300	7,588,726	0	7,588,726	145,945		Design	49%
	306	Classroom Improvements –Technology Upgrades and Renovation (Speight, Brewster, Rivers, General Classroom Building, Rawl & Austin)	3,648,400	2,817,342	0	2,817,342	2,816,901		Complete	100%
	307	Academic Space Requirements – Teaching Laboratories (Fletcher Music)	5,250,000	6,170,372	570,000	6,740,372		365,382	Construction	65%
	308	Medical School – Addition of Library and Study Space	12,600,000	0	0	0			Complete	100%
	309	"Old Cafeteria" Office Building – Comprehensive Renovation for Student Services/Academic Use	4,442,100	8,700,005	0	8,700,005	462,019		Construction	57%
	310	Infrastructure – Repairs and Expansion	16,291,100	14,879,732	1,000,000	15,879,732	5,380,814		Construction	96%
	311	Campus Computing Center - Comprehensive Renovation	1,785,000	1,583,079	1,760,056	3,343,135	1,583,079	1,760,056	Complete	100%
	312	Land Acquisition	7,879,400	7,668,849	8,276	7,677,125	7,668,849	8,276	Complete	N/A
	313	Technology Infrastructure Expansion	807,600	803,382	0	803,382	803,382		Complete	100%
	350	Effective Project Management/Inflation		1,210,213	0	1,210,213	294,258		N/A	N/A
		<b>Elizabeth City State University</b>	<b>46,296,800</b>	<b>46,296,800</b>	<b>1,588,676</b>	<b>47,885,476</b>	<b>32,521,584</b>	<b>1,421,736</b>		
40083	301	Lane Hall Classroom Building – Comprehensive Renovation	2,360,600	1,911,820	56,086	1,967,906	69,679	56,086	Design	61%
	302	Trigg Hall Classroom Building – Comprehensive Renovation	2,109,000	1,068,050	178,000	1,246,050	155,608	111,905	Construction	42%
	303	Johnson Hall Classroom Building – Comprehensive Renovation	3,156,300	3,342,485	20,000	3,362,485	728,654	20,000	Construction	87%
	304	Williams Hall Classroom Building – Comprehensive Renovation	2,822,700	2,479,437	479,500	2,958,937	2,479,902	447,675	Complete	100%
	305	Lester Hall Classroom Building – Partial Renovation	250,000	156,750	54,758	211,508	0	0	Design	47%
	306	White Graduate Center and Continuing Education Building – Comprehensive Renovation	1,514,000	1,514,000	156,354	1,670,354	1,427,626	152,051	Construction	99%
	307	Wilkins Laboratory Building – Comprehensive Renovation	451,800	153,110	0	153,110	0	0	Design	12%
	308	Mitchell-Lewis Residence Hall – Comprehensive	2,123,700	0	0	0			Combined w/ 313	N/A

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	309	Wamack Residence Hall – Comprehensive Renovation (combined with Student Ctr for project mgmt)	3,334,300	0	0	0	0	0	Combined w/ 313	N/A
	310	Doles Residence Hall – Comprehensive Renovation (Scope change replaced this project)	1,722,500	0	0	0	0	0	Combined w/ 313	N/A
	311	Residence Hall for 200 Students – Replacement of	5,510,000	0	0	0	0	0	Combined w/ 313	N/A
	312	Central Chiller Plant (combined w/Student Ctr for project mgmt)	1,400,000	0	0	0	0	0	Combined w/ 313	N/A
	313	Student Center	8,778,300	28,622,200	43,600	28,665,800	22,962,727	113,026	Construction	81%
	314	Physical Education Facilities	1,447,500	1,642,500	0	1,642,500	1,618,199	0	Complete	100%
	315	Campus Infrastructure Improvements	3,405,300	50,335	489,986	540,321	0	513,590	Construction	94%
	316	Electrical Distribution System Upgrade	1,225,000	298,750	0	298,750	561	0	Design	47%
	317	Energy Management System Improvements	886,400	542,080	66,493	608,573	31,145	0	Construction	92%
	318	Technology Infrastructure Expansion	3,149,400	3,097,528	43,899	3,141,427	2,519,977	7,403	Construction	96%
	319	Land Acquisition	650,000	650,000	0	650,000	1,277	0	In progress	N/A
	350	Effective Project Management		767,755	0	767,755	526,229	0	N/A	N/A
		<b>Fayetteville State University</b>	<b>46,021,400</b>	<b>46,021,400</b>	<b>4,925,350</b>	<b>50,946,750</b>	<b>19,207,968</b>	<b>4,930,350</b>		
40084	301	Residence Hall For 275 Students	6,872,300	6,528,685	0	6,528,685	6,122,555	0	Complete	100%
	302	Lyons Science and Laboratory Building – Comprehensive Renovation and Addition	15,146,900	14,389,555	1,350,000	15,739,555	467,223	1,350,000	Construction	62%
	303	Science Annex – Comprehensive Renovation	1,740,500	1,953,475	75,000	2,028,475	1,449,916	0	Construction	84%
	304	Continuing Education Center – Comprehensive Renovation	432,600	290,970	0	290,970	272,711	0	Complete	100%
	305	Taylor Social Sciences Classroom Building – Comprehensive Renovation	884,300	840,085	0	840,085	40,910	0	Design	44%
	306	Charles Chestnutt Library – Comprehensive Renovation	875,900	832,105	0	832,105	397,832	0	Construction	82%
	307	William Collins Building – Comprehensive Renovation	340,600	608,570	0	608,570	0	0	Design	22%
	308	Seabrook Auditorium – Comprehensive Renovation	6,325,000	6,647,950	948,000	7,595,950	3,724,043	978,000	Construction	85%
	309	Taylor Gymnasium – Conversion of Building for Academic Use	3,360,000	3,192,000	1,496,000	4,688,000	391,548	1,496,000	Construction	64%
	310	Lilly Gymnasium – Comprehensive Renovation and Conversion of Building for Student Services	3,256,400	3,093,580	0	3,093,580	26,576	0	Design	49%
	311	Cook Dining Hall – Comprehensive Renovation and Conversion of Building for Academic Use and Student Services	1,773,500	1,804,825	368,907	2,173,732	1,779,569	368,907	Complete	100%
	312	Student Residence Halls – Fire Safety Improvements	611,700	581,115	0	581,115	580,258	0	Complete	100%
	313	Campus Infrastructure Improvements	1,435,000	1,363,250	15,000	1,378,250	1,075,422	15,000	Complete	100%
	314	Comprehensive Renovation and Conversion of Spaulding (Old Infirmary) for Public Safety Facilities	1,029,100	995,941	472,443	1,468,384	978,442	472,443	Complete	100%
	315	Technology Infrastructure Expansion	1,137,600	1,080,720	0	1,080,720	1,017,158	0	Complete	100%
	316	Seabrook Auditorium – Comprehensive Renovation	500,000	0	0	0	0	0	Construction	100%
	317	Mitchell Building - Comprehensive Renovation	300,000	0	0	0	0	0	Design	20%
	350	Effective Project Management/Inflation		1,818,574	200,000	2,018,574	883,806	250,000	N/A	N/A
		<b>North Carolina A &amp; T State University</b>	<b>161,800,091</b>	<b>161,800,091</b>	<b>4,309,258</b>	<b>166,109,349</b>	<b>103,224,301</b>	<b>2,753,165</b>		
40087	301	Classroom and Laboratory Complex	29,920,700	35,312,738	1,842,325	37,155,063	33,064,505	1,842,325	Complete	100%
	302	Chemistry Laboratory – Replacement for Hines Hall	21,831,600	20,792,000	0	20,792,000	13,478,025	0	Construction	84%
	303	Harrison Auditorium – Comprehensive Renovation	2,895,200	2,895,200	1,482,500	4,377,700	1,248,524	0	Construction	78%
	304	Curtis Residence Hall – Replacement	3,723,500	0	0	0	-----	0	Project Deleted	N/A
	305	Scott Residence Hall – Replacement	26,253,300	33,426,700	0	33,426,700	31,315,000	0	Construction	89%
	306	Gamble Residence Hall – Replacement	1,552,000	0	0	0	-----	0	Combined w/ 305	N/A
	307	New Student Housing	1,897,900	0	0	0	-----	0	Project Deleted	N/A
	308	Holland Residence Hall – Comprehensive Renovation	856,800	0	0	0	0	0	Project Deleted	N/A
	309	Morrison Residence Hall – Comprehensive Renovation	3,701,100	4,229,100	304,000	4,533,100	4,062,318	304,000	Construction	98%
	310	Zoe Barbee Residence Hall – Comprehensive Renovation	3,693,800	4,333,905	0	4,333,905	81,019	0	Design	33%



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	311	Hazardous Materials and Waste Storage Facility	1,575,000	1,785,115	0	1,785,115	1,667,655		Construction	92%
	312	Improvements to School of Agriculture Facilities	1,832,700	1,745,429	606,480	2,351,909	1,723,210	606,840	Construction	88%
	313	Barnes Hall Laboratory – Comprehensive Renovation	5,550,100	5,285,810	0	5,285,810	270,823		Design	41%
	314	Graham Hall Engineering Laboratory – Comprehensive Renovation	5,782,200	5,506,857	0	5,506,857	365,525		Design	62%
	315	Corbett Intramural Center – Addition	7,035,000	6,700,000	0	6,700,000			Design	16%
	316	Replacement of Steam Lines and Access Holes	1,568,300	1,568,300	0	1,568,300	1,526,781		Complete	100%
	317	Electrical Distribution System – Upgrade and Expansion	2,256,800	2,149,333	0	2,149,333	1,673,184		Construction	93%
	318	New Education Facility	9,430,700	8,981,619	0	8,981,619			Design	38%
	319	Cherry Hall Laboratory Building – Comprehensive Renovation	8,438,200	8,036,381	0	8,036,381	202,733		Design	48%
	320	Three Classroom Buildings (Dudley, Gibbs, and Moore) – Comprehensive Renovation								
			4,797,100	4,568,667	73,953	4,642,620	1,956,115		Construction	63%
	321	Land Acquisition	6,300,000	6,400,000	0	6,400,000	6,399,540		Construction	89%
	322	Technology Infrastructure Expansion	2,921,700	2,782,571	0	2,782,571	2,781,277		Complete	100%
	323	Campus Security Improvements	828,716	763,716	0	763,716	763,716		Complete	100%
	324	Classroom and Laboratory Complex	7,157,675	0	0	0			Combined w/ 301	N/A
	350	Effective Project Management		4,536,650		4,536,650	644,349		N/A	N/A
		<b>North Carolina Central University</b>	<b>121,246,203</b>	<b>121,246,203</b>	<b>19,372,046</b>	<b>140,618,249</b>	<b>82,331,987</b>	<b>11,983,214</b>		
40085	301	Science Complex – Replacement of Robinson, Hubbard, and Lee Science Buildings	36,780,000	35,691,000	0	35,691,000	29,877,304	0	Construction	88%
	302	Farrison-Newton Building – Comprehensive Renovation of Classroom Building	7,048,700	1,096,265	0	1,096,265	157,993	0	Construction	70%
	303	Student Housing – Replacement	1,556,600	1,485,516	250,000	1,735,516	1,484,592	250,000	Complete	100%
	304	Baynes Residence Hall – Replacement	15,091,100	13,586,545	0	13,586,545	12,445,659	0	Complete	100%
	305	Rush Residence Hall – Comprehensive Renovation	2,089,400	1,984,930	487,542	2,472,472	349,829	0	Construction	80%
	306	Eagleson Residence Hall – Comprehensive Renovation	6,869,500	6,526,025	0	6,526,025	233,296	0	Design	67%
	307	Shepard Residence Hall – Comprehensive Renovation	4,357,800	4,139,910	3,157,062	7,296,972	2,887,302	3,157,062	Complete	100%
	308	Latham Residence Hall – Comprehensive Renovation	3,411,600	3,241,020	0	3,241,020	396,588	0	Complete	100%
	309	McLean Residence Hall – Comprehensive Renovation	305,800	305,800	2,669,200	2,975,000	761,718	2,669,200	Complete	100%
	310	Pearson Cafeteria – Comprehensive Renovation	1,263,600	8,700,420	0	8,700,420	639,722	0	Design	59%
	311	Student Residence Halls – Fire Safety and Security Improvements	1,541,000	1,463,950	0	1,463,950	687,648	0	Construction	79%
	312	Turner Law School – Comprehensive Renovation	7,028,800	6,677,360	2,600,000	9,277,360	6,116,239	2,535,686	Construction	87%
	313	Shepard Library – Comprehensive Renovation	4,374,800	6,056,060	0	6,056,060	1,866,195	0	Construction	75%
	314	Old Senior Dorm – Conversion to Academic Use (project cancelled under scope change)								
			2,130,700	117,419	0	117,419	81,552	0	Cancelled	N/A
	315	Alexander Dunn Building – Comprehensive Renovation	1,779,300	1,690,335	0	1,690,335	681,415	0	Construction	81%
	316	Campus Infrastructure Improvements	10,263,800	8,095,610	2,850,000	10,945,610	6,216,678	0	Construction	77%
	317	Hoey Building – Comprehensive Renovation	2,867,700	0	2,588,099	2,588,099	0	1,123	Design	26%
	318	Code Compliance Corrections of Buildings not scheduled for Compliance Modifications								
			3,675,000	158,522	0	158,522	151,997	0	Cancelled	N/A
	319	Land Acquisition	4,000,000	2,600,000	1,400,000	4,000,000	2,016,909	0	In progress	N/A
	320	Renovation of Existing Space for Public Safety Facility	840,000	798,000	0	798,000	851,078	53,078	Complete	100%
	321	Technology Infrastructure Expansion	1,422,000	1,350,900	53,078	1,403,978	1,305,522	0	Complete	100%
	322	B.N. Duke Auditorium Addition	740,000	740,000	2,139,852	2,879,852	757,352	2,139,852	Complete	100%
	323	Health and Safety Repairs and Renovations	1,809,003	1,809,003	190,997	2,000,000	1,169,791	190,997	Construction	94%
	324	Mold Remediation		7,212,043	700,000	7,912,043	6,167,065	700,000	Complete	100%
	350	Effective Project Management/Inflation		5,719,570	286,216	6,005,786	5,028,543	286,216	N/A	N/A
		<b>North Carolina School of the Arts</b>	<b>42,547,500</b>	<b>42,547,500</b>	<b>150,000</b>	<b>42,697,500</b>	<b>35,998,888</b>	<b>150,000</b>		
40088	301	Basic Performance and Education Complex	19,130,700	17,028,564	0	17,028,564	16,117,033		Complete	100%

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	302	Stevens Center – Comprehensive Modernization and Major Renovations	4,434,500	4,496,275	0	4,496,275	4,496,265		Complete	100%
	303	Film Archives Building	2,250,000	2,060,000	0	2,060,000	1,965,717		Complete	100%
	304	Student Services Support Complex	2,500,000	2,850,000	0	2,850,000	2,809,680		Construction	99%
	305	Dance Costume Shop – Comprehensive Renovation	420,000	1,605,000	0	1,605,000	1,316,980		Construction	94%
	306	Workplace Building #2 – Comprehensive Renovation	1,350,000	0	0	0			Combined w/ 311	N/A
	307	Crawford Hall and the Recital Hall – Comprehensive Renovation	499,900	0	0	0			Combined w/ 311	N/A
	308	Residence Hall	1,832,100	1,890,495	150,000	2,040,495	1,863,029	150,000	Construction	99%
	309	Gray Classroom Building – Partial Renovation	1,787,700	0	0	0			Combined w/ 311	N/A
	310	Technology Infrastructure Expansion	1,862,300	1,797,936	0	1,797,936	1,390,300		Construction	77%
	311	Renovation of DeMille Theatre	2,330,300	5,669,505	0	5,669,505	2,028,925		Construction	72%
	312	Land Acquisition	4,150,000	3,475,000	0	3,475,000	2,830,564		In progress	N/A
	350	Effective Project Management/Inflation		1,674,725		1,674,725	1,180,395		N/A	N/A
		<b>North Carolina State University</b>	<b>468,256,655</b>	<b>468,256,655</b>	<b>59,820,777</b>	<b>528,077,432</b>	<b>267,177,183</b>	<b>42,843,997</b>		
40074	301	Undergraduate Science Teaching Lab – Phase I	34,801,400	27,857,987	1,897,500	29,755,487	27,179,358	1,897,500	Complete	100%
	302	Withers Hall – Conversion from Laboratory to General Academic Use	11,480,400	10,963,068	0	10,963,068	986,682	0	Design	62%
	303	College of Engineering Complex – Phase I	32,806,500	34,885,022	2,000,000	36,885,022	32,301,912	2,000,000	Complete	100%
	304	College of Veterinary Medicine – Research Addition and Renovation of Laboratories and Academic Space	20,180,000	19,460,905	15,620,550	35,081,455	19,460,905	11,236,851	Complete	100%
	305	College of Engineering Complex – Phase II	46,565,200	32,995,163	8,018,000	41,013,163	28,662,963	0	Construction	88%
	306	David Clark Laboratory – Comprehensive Renovation and Addition	11,555,800	22,434,667	0	22,434,667	19,691,353	0	Construction	89%
	307	Undergraduate Science Teaching Lab – Phase II	12,197,000	0	0	0			Combined w/ 306	N/A
	308	South Gardner Hall Laboratory Building – Comprehensive Renovation	15,214,500	13,827,500	0	13,827,500	635,411	0	Design	51%
	309	1911 Classroom Building – Comprehensive Renovation	6,972,000	6,516,228	0	6,516,228	466,423	0	Design	45%
	310	Park Shops – Comprehensive Renovation and Use Conversion for General Academic Use	6,310,700	6,010,190	0	6,010,190	130,613	0	Design	28%
	311	Riddick Lab – Comprehensive Renovation and Conversion from Laboratory to Classroom Building	26,020,900	24,304,009	0	24,304,009	1,851,298	0	Design	65%
	312	Harrelson Classroom Building – Comprehensive Renovation	13,608,500	12,454,562	0	12,454,562	289,186	0	Design	35%
	313	Clark Hall – Conversion from Infirmary to Student and Faculty Support Services	2,415,000	1,630,459	0	1,630,459	1,630,459	0	Complete	100%
	314	Schaub Food Science Building – Comprehensive Renovation	10,515,500	11,326,961	1,128,071	12,455,032	8,449,622	422,787	Construction	86%
	315	Williams Hall Laboratory Building – Comprehensive Renovation	12,865,500	11,930,357	96,815	12,027,172	547,155	96,815	Design	42%
	316	Polk Hall Laboratory Building – Comprehensive Renovation	15,053,000	13,734,770	0	13,734,770	591,225	0	Design	33%
	317	Leazar Hall Laboratory Building – Comprehensive Renovation	8,361,100	8,161,981	0	8,161,981	1,165,255	0	Construction	67%
	318	Daniels Hall Laboratory Building – Phase I – Comprehensive Renovation	7,864,500	7,654,682	20,574	7,675,256	3,528,968	20,574	Construction	73%
	319	Jordan Hall Lab and Classroom Building – Addition	13,553,300	12,389,621	0	12,389,621	1,433,392	0	Design	67%
	320	Library – Addition	9,193,900	8,672,117	770,320	9,442,437	658,268	127,598	Construction	68%
	321	Support Services Center – to Relocate Various Campus Services	10,335,800	9,405,360	7,165,022	16,570,382	6,427,621	6,010,253	Construction	81%
	322	Field Research Laboratories and Outlying Research Facilities – Phase I	2,500,000	2,207,004	350,000	2,557,004	1,719,042	258,090	Construction	73%
	323	Horticulture Classroom at Arboretum Education Center	500,000	476,190	3,713,957	4,190,147	472,410	3,704,173	Complete	100%
	324	Research Laboratory Space – Phase I	18,900,000	16,245,060	14,182,982	30,428,042	15,127,153	12,212,370	Complete	100%
	325	Public Safety Facility	4,704,000	4,300,053	0	4,300,053	3,511,657	0	Complete	100%
	326	College of Veterinary Medicine – Mechanical and Electrical System Improvements	21,000,000	14,701,261	225,000	14,926,261	547,107	225,000	Construction	55%
	327	Technology Infrastructure Expansion	2,424,100	2,424,100	0	2,424,100	1,986,845	0	Construction	83%
	328	Chilled Water Central Plant – North Campus	41,769,000	49,579,237	1,050,984	50,630,221	39,190,663	1,050,984	Construction	58%
	329	Chilled Water Brickyard Loop Extension and Cooling Tower	2,913,800	0	0	0			Combined w/ 328	N/A
	330	Steam Distribution & Capacity Improvements (Sullivan Dr.area)	3,244,100	3,042,387	48,050	3,090,437	2,316,444	48,050	Construction	77%
	331	Main Campus Infrastructure (including Water System)	9,330,700	5,551,004	0	5,551,004	1,640,091	0	Construction	74%

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	332	College of Veterinary Medicine – Infrastructure	5,300,000	16,001,758	561,000	16,562,758	15,174,505	561,000	Complete	100%
	333	Centennial Campus – Infrastructure (Central Utilities Plant)	11,338,500	15,886,570	890,189	16,776,759	15,662,294	890,189	Complete	100%
	334	Land Acquisition	2,100,000	2,100,000	0	2,100,000	1,768,005	0	Complete	100%
	335	College of Veterinary Medicine - Research Addition & Renovation of Labs and Academic Space	675,000	0	0	0			Combined w/ 304	N/A
	336	College of Engineering Complex, Planning	3,200,000	0	0	0			Combined w/ 303	N/A
	337	Animal and Food Science Facilities (formerly Meat Processing Laboratory-changed by legislation)	4,853,755	6,217,245	94,763	6,312,008	339,387	94,763	Construction	54%
	338	Research and Teaching Feed Mill	2,582,000	2,582,000	288,200	2,870,200	2,495,686	288,200	Complete	100%
	339	Undergraduate Science Teaching Lab - Phase I Greenhouses	0	0	0	0			Combined w/ 301	N/A
	340	Lake Wheeler Rd Field Lab - Beef Educational Unit (Note: This was not in the original bond list.)	3,051,200	3,016,377	1,698,800	4,715,177	2,618,269	1,698,800	Complete	100%
	350	Effective Project Management		19,013,381	0	19,013,381	6,519,556	0	N/A	N/A
	360	Program Inflation		8,297,419	0	8,297,419	0	0	N/A	N/A
		<b>The University of North Carolina at Asheville</b>	<b>50,464,200</b>	<b>50,464,200</b>	<b>4,402,521</b>	<b>54,866,721</b>	<b>19,016,707</b>	<b>490,908</b>		
40077	301	Math and Science Building – Replacement of Rhodes and Robinson Buildings	22,203,200	21,640,451	0	21,640,451	1,862,234		Design	62%
	302	Highsmith Center – Comprehensive Renovation and Addition	11,522,000	11,559,700	3,931,936	15,491,636	11,389,879	329,796	Complete	100%
	303	Carmichael Hall Classroom Building – Comprehensive Renovation	5,524,200	5,424,304	0	5,424,304	1,982,508		Construction	79%
	304	Zageir Hall Classroom Building – Partial Renovation	2,569,100	2,440,645	0	2,440,645	180,635		Design	70%
	305	Campus Primary Electrical Distribution System Upgrade and Improvements	1,023,800	972,610	33,993	1,006,603	968,780		Complete	100%
	306	Relocate Physical Plant Facilities (Programming)	6,318,900	6,223,302	364,766	6,588,068	730,038		Design	72%
	307	Technology Infrastructure Expansion	751,200	713,640	0	713,640	711,041	161,112	Complete	100%
	308	Highsmith Center - Comprehensive Renovation and Addition	356,800	0	0	0	0		Combined w/ 302	100%
	309	Justice Gym - Renovations	195,000	195,000	71,826	266,826	195,000		Complete	100%
	350	Effective Project Management		1,294,548	0	1,294,548	996,592		N/A	N/A
		<b>The University of North Carolina at Chapel Hill</b>	<b>510,539,075</b>	<b>510,539,075</b>	<b>358,891,184</b>	<b>869,430,259</b>	<b>323,078,990</b>	<b>214,696,714</b>		
40072	301	School of Medicine – Medical Research Building – Comprehensive Renovation of Classroom and Laboratory Space	12,895,000	23,173,654	500,000	23,673,654	14,853,508	500,000	Construction	82%
40072	302	Health Sciences Library – Comprehensive Renovation	11,000,000	11,000,000	1,125,375	12,125,375	10,587,395	1,094,745	Complete	100%
40072	303	School of Dentistry Building – Renovation and Conversion from Operatory to General Academic Use	8,397,100	8,325,410	332,704	8,658,114	8,325,410	72,727	Complete	100%
40072	304	Rosenau Hall Laboratory Building – Comprehensive Renovation	9,000,000	8,766,307	1,692,829	10,459,136	458,823	569,716	Construction	47%
40072	305	Brauer Hall – Comprehensive Renovation of Dental Clinic	13,415,400	13,179,625	751,132	13,930,757	5,686,562		Construction	74%
40072	306	Burnett Womack Building Research Laboratory – Comprehensive Renovation	24,848,000	24,455,551	7,395,000	31,850,551	22,457,162		Construction	86%
40072	307	Berryhill Hall Laboratory Building – Comprehensive Renovation	10,700,000	17,138,578	0	17,138,578	1,423,530		Design	62%
40072	308	Beard Hall Classroom and Laboratory Building – Comprehensive Renovation	3,500,000	3,603,707	3,317,707	6,921,414	3,500,000	2,012,811	Construction	88%
40072	309	Teaching Research Building – School of Public Health Project Supplement	13,382,900	12,512,900	25,598,300	38,111,200	11,162,900	26,171,268	Complete	100%
40072	310	Carrington Hall – Addition for School of Nursing Project Supplement	10,082,100	9,242,100	12,231,130	21,473,230	9,242,100	10,389,262	Complete	100%
40072	311	Medical Biomolecular Research Building	26,718,000	26,718,000	36,057,200	62,775,200	26,718,000	36,057,200	Complete	100%
40072	312	Community Health Building – Consolidation of Programs	18,340,000	0	0	0			Cancelled	N/A
40072	313	Carolina Living and Learning Center	1,154,275	1,154,275	165,060	1,319,335	1,154,275	165,060	Complete	100%
40073	301	Science Complex – Phase I	55,012,500	52,756,695	45,497,715	98,254,410	52,756,695	20,174,741	Construction	76%
40073	302	Science Complex – Phase II	33,437,500	31,882,500	230,400	32,112,900	3,362,799		Design	22%
40073	303	Murphey Hall Classroom Building – Comprehensive Renovation	6,723,500	6,926,500	300,000	7,226,500	6,926,500	300,000	Complete	100%
40073	304	New West Classroom Building – Comprehensive Renovation	4,500,000	4,421,661	16,640	4,438,301	1,643,688		Construction	84%

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40073	305	Steele Building – Comprehensive Renovation and Conversion of Administrative Office Building to a Classroom Building	3,428,600	3,365,171	0	3,365,171	97,550		Design	30%
40073	306	Saunders Hall Classroom Building – Comprehensive Renovation	4,194,100	4,389,811	250,000	4,639,811	4,389,811	250,000	Complete	100%
40073	307	Peabody Hall Classroom Building – Comprehensive	8,509,800	6,688,535	539,808	7,228,343	6,688,535	539,808	Complete	100%
40073	308	Memorial Hall – Comprehensive Renovation and Addition	9,000,000	10,188,000	6,681,080	16,869,080	10,188,000	4,796,318	Construction	93%
40073	309	Smith Hall – Comprehensive Renovation	1,355,200	1,350,694	33,530	1,384,224	270,515	33,530	Design	57%
40073	310	Institute of Marine Sciences Morehead City – Comprehensive Renovation and Conversion from Lab to Classroom (Coker Hall)	1,833,300	1,833,300	0	1,833,300	1,833,300		Complete	100%
40073	311	Hamilton Hall – Comprehensive Renovation of Classrooms and Lecture Halls	1,539,000	1,532,583	0	1,532,583	167,079		Design	55%
40073	312	Gerrard Hall Classroom Building – Comprehensive Renovation	1,350,000	1,345,736	250,000	1,595,736	188,367		Design	60%
40073	313	Caldwell and Howell Halls – Comprehensive Renovation of Classrooms and Lecture Halls	1,732,000	1,732,000	0	1,732,000	456,294		Caldwell/Complete Howell/Design	91%
40073	314	Coker and Mitchell Halls – Comprehensive Renovation of Classrooms and Lecture Halls	1,718,000	1,711,987	0	1,711,987	23,404		Design	38%
40073	315	Hanes and Manning Halls and Alumni Building – Comprehensive Renovation of Classrooms and Lecture Halls	2,233,000	2,299,163	0	2,299,163	339,804		Manning & Hanes/Design	55%
40073	316	Woollen and Fetzer – Comprehensive Renovation of Classrooms and Lecture Halls	1,598,000	1,585,413	0	1,585,413	686,142		Woollen/Complete Fetzer/Design	55%
40073	317	Greenlaw Hall – Comprehensive Renovation of Classrooms and Lecture Halls	1,825,000	1,818,612	0	1,818,612	187,802		Design	41%
40073	318	Phillips Hall – Comprehensive Renovation of Classrooms and Lecture Halls	1,450,000	1,431,410	0	1,431,410	1,089,298		Complete	100%
40073	319	Hill and Davie Halls – Comprehensive Renovation of Classrooms and Lecture Halls	1,949,000	1,945,221	0	1,945,221	293,180		Davie/Award Underway	64%
40073	320	Academic Facilities to Consolidate International Education Programs (Global Education Center)	20,000,000	17,402,235	10,200,000	27,602,235	8,952,938		Construction	64%
40073	321	College of Arts and Sciences – Digital Multimedia Instructional Center and Music Library	20,150,000	20,150,000	0	20,150,000	1,598,633		Design	30%
40073	322	School of Medicine – Bioinformatics Building – Supplement for Appropriated Activity	2,000,000	2,000,000	32,217,000	34,217,000	1,077,762	31,254,045	Complete	100%
40073	323	Physical Plant Support Facilities	11,075,000	11,075,000	87,000	11,162,000	5,221,664		Construction	72%
40073	324	Student Services Building – Consolidation of Services (Advising, Financial Aid, Registration, Housing)	27,000,000	26,365,500	0	26,365,500	2,359,584		Construction	65%
40073	325	Storm Drainage Improvements	10,500,000	6,405,205	0	6,405,205	3,778,748		Construction	73%
40073	326	Cogeneration Facility – Back Pressure Turbine Generator	2,625,000	2,625,000	900,000	3,525,000	1,297,185	737,321	Construction	68%
40073	327	Steam Distribution System Replacement	6,300,000	13,775,000	65,831,324	79,606,324	13,775,000	53,230,651	Complete	100%
40073	328	Upgrade Campus Energy Management and Control System	3,682,600	3,682,600	0	3,682,600	432,297		Design	79%
40073	329	Campus Fiber Optics Network	17,533,500	17,044,926	227,235	17,272,161	9,553,840		Construction	91%
40073	330	Electrical Systems Improvements	5,200,000	4,524,000	0	4,524,000	1,405,402		Construction	74%
40073	331	Infrastructure Improvements – Main Campus	32,298,000	41,174,871	79,480,417	120,655,288	40,835,871	25,322,386	Construction	79%
40073	332	Technology Infrastructure Expansion	9,165,000	9,863,831	24,957,471	34,821,302	4,200,385		Construction	65%
40073	333	Land Acquisition	8,000,000	8,000,000	0	8,000,000	3,628,558		In progress	N/A
40073	334	440 West Franklin Street – Comprehensive Renovation and Conversion for Information Technology and Data Processing	9,170,000	9,262,585	1,000,000	10,262,585	7,577,848		Construction	83%
40073	335	Wilson Hall Laboratory – Comprehensive Renovation	8,920,000	8,920,000	0	8,920,000	431,626		Design	54%
40073	336	Memorial Hall - Comprehensive Renovation and Addition	200,000	0	0	0			Combined w/ 308	N/A
40073	337	R. B. House Library - Renovations	9,898,700	9,793,223	1,025,127	10,818,350	9,793,223	1,025,127	Complete	100%
		<b>The University of North Carolina at Charlotte</b>	<b>190,033,501</b>	<b>190,033,501</b>	<b>10,545,615</b>	<b>200,579,116</b>	<b>151,327,054</b>	<b>6,487,935</b>		
40076	301	Academic Facilities – Humanities	16,167,000	25,410,365	8,041,835	33,452,200	25,410,365	5,432,540	Complete	100%
	302	Science and Technology Building	33,207,000	33,568,591	316,264	33,884,855	30,921,874	316,264	Complete	100%

**THE UNIVERSITY OF NORTH CAROLINA**  
**2000 Higher Education Bond Program -- June 2005 Data - Attachment 2**

Code	Item	Institution	Bond Bill Amount (\$)	Revised (w/transfers) Bond Amount (\$)	Non-Bond Amount (\$)	Revised Total Budget (\$)	Expended through 6/30/2005 Bonds (\$)	Expended through 6/30/2005 Other (\$)	Status	% Complete
	303	Classroom and Office Building	26,102,500	20,706,610	0	20,706,610	17,980,161	0	Complete	100%
	304	College of Education Building	24,654,500	31,096,684	305,341	31,402,025	28,135,249	305,341	Complete	100%
	305	College of Nursing and Health Professions Building	34,125,000	30,467,216	0	30,467,216	10,465,075	0	Construction	74%
	306	Graduate Engineering Complex	14,700,000	24,513,651	1,000,000	25,513,651	19,138,296	0	Construction	83%
	307	Research Facility and Laboratory – Phase I (combined w/above)	8,400,000	0	0	0	0	0	Combined w/ 306	N/A
	308	Central Heating Plant Improvements – Upgrade and Modernization	2,826,200	5,210,083	0	5,210,083	5,073,970	0	Complete	100%
	309	Rowe Classroom Building – Comprehensive Renovation	4,306,500	4,989,000	32,175	5,021,175	3,195,230	0	Construction	84%
	310	McEniry Classroom Building – Comprehensive Renovation	3,433,000	3,261,350	0	3,261,350	300,846	0	Construction	79%
	311	Physical Plant and Campus Public Safety Facilities	5,515,000	6,282,284	725,000	7,007,284	6,282,284	308,790	Complete	100%
	312	Chiller Replacement	1,824,200	1,824,102	125,000	1,949,102	1,824,102	125,000	Complete	100%
	313	Technology Infrastructure Expansion	3,345,500	2,345,500	0	2,345,500	2,345,500	0	Complete	100%
	314	Academic Facilities – Humanities	9,243,365	0	0	0	0	0	Combined w/ 301	N/A
	315	Science and Technology Building	2,183,736	0	0	0	0	0	Combined w/ 302	N/A
	350	Effective Project Management/Inflation		358,065	0	358,065	254,102	0	N/A	N/A
		<b>The University of North Carolina at Greensboro</b>	<b>166,008,255</b>	<b>166,008,255</b>	<b>11,224,050</b>	<b>177,232,305</b>	<b>90,710,337</b>	<b>8,890,883</b>		
40075	301	Science Instructional Building – Replacement of Petty Science Building	38,412,200	35,723,095	3,290,045	39,013,140	35,432,380	3,290,045	Complete	100%
	302	Petty Building – Comprehensive Renovation for Classroom Use	16,272,300	15,458,685	0	15,458,685	645,394	0	Design	46%
	303	Brown Classroom Building – Comprehensive Renovation	6,493,900	6,169,205	0	6,169,205	130,465	0	Design	45%
	304	McIver Classroom Building – Replacement	21,636,500	19,239,269	0	19,239,269	7,094,795	0	Construction	80%
	305	Aycock Auditorium – Comprehensive Renovation	17,163,000	16,304,850	0	16,304,850	659,212	0	Design	42%
	306	Stone Classroom Building – Comprehensive Renovation	8,930,400	4,489,135	0	4,489,135	4,002,482	0	Closeout	97%
	307	Meeting/Seminar/Office Space – Alumni House – Code Compliance and Building System Replacements	3,258,000	3,095,100	402,367	3,497,467	117,414	0	Design	34%
	308	Heating Plant Capacity Expansion and Energy Efficiency Improvements	4,851,300	4,608,735	0	4,608,735	3,977,249	0	Closeout	92%
	309	Forney Classroom Building – Comprehensive Renovation	3,565,400	3,387,130	0	3,387,130	26,000	0	Design	25%
	310	McNutt Classroom Building – Comprehensive Renovation	2,724,000	2,587,800	1,930,800	4,518,600	150,301	0	Design	50%
	311	Electric Power Distribution – Capacity Expansion and Upgrade	4,091,000	3,886,450	0	3,886,450	3,209,398	0	Closeout	96%
	312	Research Space Phase I	5,250,000	16,920,000	0	16,920,000	9,333,778	0	Construction	79%
	313	McIver Chiller Plant Expansion and Improvements	9,373,800	7,957,284	0	7,957,284	7,870,755	0	Complete	100%
	314	Infrastructure – Northeast Quadrant	6,825,200	7,334,869	0	7,334,869	7,154,110	0	Complete	100%
	315	Technology Infrastructure Expansion	4,101,300	3,896,235	5,600,838	9,497,073	3,896,235	5,600,838	Complete	100%
	316	Land Acquisition	7,000,000	7,000,000	0	7,000,000	5,023,561	0	In Progress	N/A
	317	Science Instructional Building - Replace Petty Science Building	6,059,955	0	0	0	0	0	Combined w/ 301	N/A
	350	Effective Project Management		7,950,413	0	7,950,413	1,986,808	0	N/A	N/A
		<b>The University of North Carolina at Pembroke</b>	<b>56,873,600</b>	<b>56,873,600</b>	<b>5,074,200</b>	<b>61,947,800</b>	<b>38,163,564</b>	<b>2,925,800</b>		
40081	301	Science Building	9,408,000	16,419,496	0	16,419,496	16,419,496		Complete	100%
	302	Oxendine Science Building – Comprehensive Renovation	8,032,600	0	0	0			Combined w/ 301	N/A
	303	Locklear Hall Classroom Building – Comprehensive Renovation	2,000,000	1,900,000	0	1,900,000	1,546,946		Construction	82%
	304	D.F. Lowry Classroom Building – Comprehensive Renovation and Addition	1,950,500	1,852,975	0	1,852,975	5,002		Design	51%
	305	Business Administration Building – Comprehensive Renovation	1,059,800	1,006,810	0	1,006,810	0		Design	52%
	306	Moore Classroom Hall – Comprehensive Renovation	2,639,700	2,710,189	0	2,710,189	1,404,367		Construction	77%
	307	Residence/Dining Hall – Replacement of Jacobs and Wellons Halls (Scope change approved; project will change)	7,700,300	298,420	0	298,420	298,420		Complete	100%
	308	West Residence Hall – Comprehensive Renovation	977,300	928,435	436,000	1,364,435	71,655		Scope change pending	62%
	309	Jones Physical Education Complex – Comprehensive Renovation	8,243,700	8,076,115	600,000	8,676,115	7,074,989	600,000	Complete	100%

**THE UNIVERSITY OF NORTH CAROLINA**  
**2000 Higher Education Bond Program -- June 2005 Data - Attachment 2**

Code	Item	Institution	Bond Bill Amount (\$)	Revised (w/transfers) Bond Amount (\$)	Non-Bond Amount (\$)	Revised Total Budget (\$)	Expended through 6/30/2005 Bonds (\$)	Expended through 6/30/2005 Other (\$)	Status	% Complete
	310	Replace Physical Plant Complex	5,656,000	4,985,037	0	4,985,037	4,985,037		Complete	100%
	311	Renovation of Former Physical Plant Facility to provide relocation of Auxiliary Services Complex and Student Bookstore	2,696,000	3,158,363	1,600,000	4,758,363	1,524,011		Construction	73%
	312	Campuswide Infrastructure Improvements	1,996,600	1,896,770	0	1,896,770	165,042		Scope change pending	70%
	313	Campus Water Distribution Upgrades	525,000	289,750	0	289,750	289,750		Complete	100%
	314	Primary Electrical Distribution Upgrades	945,000	946,750	112,400	1,059,150	579,889		Construction	85%
	315	Technology Infrastructure Expansion	2,798,500	2,605,175	0	2,605,175	1,869,060		Construction	56%
	316	Economic Forum Building	244,600	0	2,325,800	2,325,800	244,600	2,325,800	Complete	100%
	317	General Purpose Classroom Building		6,967,865	0	6,967,865	320,699		Design	69%
	350	Effective Project Management		2,831,450	0	2,831,450	1,364,601		N/A	N/A
		<b>The University of North Carolina at Wilmington</b>	<b>109,201,800</b>	<b>109,201,800</b>	<b>5,307,662</b>	<b>114,509,462</b>	<b>47,282,728</b>	<b>4,506,474</b>		
40078	301	School of Education Building	18,725,000	15,816,338	922,900	16,739,238	15,513,033	922,900	Complete	100%
	302	Academic and Classroom Facilities	33,032,100	32,562,977	0	32,562,977	5,456,141	0	Construction	78%
	303	General Classroom Building	12,647,000	12,271,156	0	12,271,156	1,495,837	0	Construction	75%
	304	King Hall Classroom Building – Comprehensive Renovation	2,697,400	3,269,930	0	3,269,930	85,492	0	Design, Scope change pending	94%
	305	Hoggard Hall Classroom Building – Comprehensive Renovation	3,550,400	6,214,770	0	6,214,770	4,746,880	0	Construction	86%
	306	Alderman Hall Classroom Building – Comprehensive Renovation	2,940,800	210,349	0	210,349	210,349	0	Complete	100%
	307	Westside Hall Classroom Building – Comprehensive Renovation	2,687,300	2,322,822	3,059,133	5,381,955	2,089,055	3,059,133	Complete	100%
	308	Kenan Hall Classroom Building – Comprehensive Renovation	3,056,600	3,742,722	0	3,742,722	130,119	0	Design	51%
	309	Hinton James Hall Classroom Building – Comprehensive Renovation	1,468,000	2,569,625	0	2,569,625	170,601	0	Design	60%
	310	Friday Hall Laboratory Building – Comprehensive Renovation	7,693,400	7,308,730	0	7,308,730	434,460	0	Design	49%
	311	Kenan Auditorium – Comprehensive Renovation	3,095,300	1,333,663	0	1,333,663	500,037	0	Design	73%
	312	Marine Sciences Research Center Operations Facility	2,929,600	3,083,120	903,259	3,986,379	225,000	102,071	Design	63%
	313	Academic Support Facilities and Computing Center	4,585,900	1,140,000	231,320	1,371,320	1,140,000	231,320	Complete	100%
	314	Infrastructure Expansion	1,775,000	5,005,199	105,250	5,110,449	4,822,013	105,250	Complete	100%
	315	Land Acquisition	2,100,000	2,100,000	0	2,100,000	2,100,000	0	Complete	100%
	316	Primary Electrical Distribution System Improvements	2,238,200	2,114,010	85,800	2,199,810	2,114,010	85,800	Complete	100%
	317	Technology Infrastructure Expansion	2,949,000	2,801,550	0	2,801,550	2,674,883	0	Construction	90%
	318	School of Education Building - Planning	1,030,800	0	0	0	0	0	Combined w/ 301	100%
	350	Effective Project Management		5,323,090	0	5,323,090	3,374,818	0	In Progress	N/A
	360	Inflation		11,749	0	11,749	0	0	N/A	N/A
		<b>Western Carolina University</b>	<b>100,336,744</b>	<b>100,336,744</b>	<b>11,376,165</b>	<b>111,712,909</b>	<b>69,832,710</b>	<b>11,376,165</b>		
40079	301	Academic Facilities – Humanities and Fine Arts	26,030,700	26,618,109	1,671,411	28,289,520	25,903,944	1,671,411	Construction	90%
	302	Stillwell Lab Building – Comprehensive Renovation	15,057,500	16,804,625	0	16,804,625	1,095,389	0	Construction	63%
	303	McKee Classroom Building – Comprehensive Renovation	5,289,700	6,769,890	0	6,769,890	6,294,939	0	Complete	100%
	304	Bird Building – Renovation and Conversion for Student Health Center	1,836,500	0	0	0	0	0	Complete	100%
	305	Conversion of Old Student Health Center to Residential and Academic Space	1,887,100	1,792,745	0	1,792,745	166,748	0	Design	55%
	306	Breese Gymnasium – Conversion to Academic Use	1,161,300	1,258,235	0	1,258,235	1,171,187	0	Complete	100%
	307	Housing Facility for 300 Students	15,204,600	14,444,370	7,052,754	21,497,124	14,186,168	7,052,754	Complete	100%
	308	Chiller Replacement and CFC Retrofit	1,489,600	1,060,120	0	1,060,120	1,056,525	0	Complete	100%
	309	Infrastructure Improvements (Steam and Electrical)	10,639,000	10,932,050	2,652,000	13,584,050	8,566,656	2,652,000	Construction	69%
	310	Killian Clinic Annex – Comprehensive Renovation	3,129,900	0	0	0	0	0	Design	68%
	311	Killian Education and Allied Professions Building – Partial Renovation	1,546,300	4,442,390	0	4,442,390	2,695,949	0	Complete	100%
	312	Forsyth Classroom and Computer Labs Building – Comprehensive Renovation	7,064,000	7,210,800	0	7,210,800	280,439	0	Design	38%
	313	Land Acquisition	3,093,000	3,153,000	0	3,153,000	3,148,446	0	Complete	100%



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**2000 Higher Education Bond Program -- June 2005 Data - Attachment 2**

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	314	Technology Infrastructure Expansion	5,018,600	4,082,670	0	4,082,670	4,057,760	0	Complete	100%
	315	Academic Facilities – Humanities and Fine Arts	1,888,944	0	0	0	0	0	Combined w/ 301	N/A
	350	Effective Project Management		1,767,740	0	1,767,740	1,208,560	0	N/A	N/A
		<b>Winston-Salem State University</b>	<b>46,786,581</b>	<b>46,786,581</b>	<b>8,899,779</b>	<b>55,686,360</b>	<b>38,662,964</b>	<b>8,724,108</b>		
40082	301	Computer Science Facility – Replacement and Consolidation	11,643,300	10,954,523	700,000	11,654,523	10,632,546	700,000	Complete	100%
	302	Carolina Hall – Renovation and Conversion from Computer Center to Classrooms	4,270,700	4,067,333	0	4,067,333	2,803,967	0	Construction	87%
	303	Physical and Life Sciences Building – Replacement of Hill Hall	12,109,500	11,918,857	418,000	12,336,857	10,835,690	248,000	Complete	100%
	304	Anderson Center – Comprehensive Renovation and Change of Use for Early Childhood/Gerontology Programs	6,917,900	6,778,476	0	6,778,476	3,810,066	0	Construction	84%
	305	Health Center Building and Old Nursing Building – Comprehensive Renovation for Student Health	2,265,900	2,283,000	0	2,283,000	699,007	0	Construction	73%
	306	Replace Underground Steam and Hot Water Piping	1,249,500	1,604,287	0	1,604,287	1,501,357	0	Complete	100%
	307	Chilled Water Loop System (combined w/above)	435,000	0	2,583,279	2,583,279	0	2,583,279	Complete	100%
	308	Infrastructure Improvements	1,708,300	2,276,952	0	2,276,952	2,122,468	0	Complete	100%
	309	Technology Infrastructure Expansion	1,676,100	1,626,100	0	1,626,100	1,302,092	0	Construction	80%
	310	F. L. Atkins - Additions and Renovations	4,159,840	4,159,840	5,198,500	9,358,340	4,159,840	5,192,829	Complete	100%
	311	Computer Science Facility - Planning	350,541	0	0	0	0	0	Combined w/301	100%
	312	Coltrane Hall - Renovation		0	0	0	0	0	Combined w/ 304	N/A
	313	New Facility for Early Childhood		0	0	0	0	0	Combined w/ 304	N/A
	350	Effective Project Management/Inflation		1,117,213	0	1,117,213	795,931	0	N/A	N/A
		<b>The University of North Carolina Affiliated Institutions</b>	<b>80,385,300</b>	<b>80,385,300</b>	<b>2,902,342</b>	<b>83,287,642</b>	<b>50,952,911</b>	<b>2,552,342</b>		
						0				
40089	301	UNC Center for Public Television – Digital Conversion	64,995,000	64,995,000	1,699,317	66,694,317	39,843,328	1,699,317	Construction	59%
40089	302	UNC Center for Public Television – Mobile Satellite Uplink	895,600	895,600	0	895,600	889,848	0	Complete	100%
40069	301	North Carolina School of Science and Math – Comprehensive Renovation of Bryan Center	3,172,600	3,172,600	0	3,172,600	2,986,046	0	Complete	100%
40069	302	North Carolina School of Science and Math – Comprehensive Renovation of Royall Outreach Center	1,990,400	1,990,400	853,025	2,843,425	1,990,400	853,025	Complete	100%
40090	303	North Carolina Arboretum in Asheville – Improvements to Facilities and Infrastructure to provide for Environmental Education and Economic Development Opportunities	9,331,700	9,331,700	350,000	9,681,700	5,243,289	0	Construction	96%
		<b>The University of North Carolina - General Administration</b>	<b>3,051,200</b>							
40089	304	Reserve for Land Acquisition (transferred to NCSU)	3,051,200							
		<b>The University of North Carolina – UNC Reserves</b>	<b>25,186,595</b>	<b>25,186,595</b>		25,186,595				
40071	301	Reserve – For Repairs and Renovations and Cost Overruns	25,186,595	25,186,595	0	25,186,595				
		<b>TOTALS</b>	<b>2,503,051,200</b>	<b>2,500,000,000</b>	<b>527,043,829</b>	<b>3,027,043,829</b>	<b>1,564,151,123</b>	<b>342,036,100</b>		

**THE UNIVERSITY OF NORTH CAROLINA**  
**2000 Higher Education Bond Program - Attachment 3**  
**Projects Starting Construction between July 1, 2004 and June 30, 2005**

#	Campus	Code & Item	Project Name	Award Date	Beneficial Occupancy Date	Estimated Operating Costs First Full Year of Operation (\$)	Estimated* Annual Operating Costs Twenty-Year Average (\$)	Anticipated Source of Funds for Operating Costs
1	ASU	40080-306	Smith-Wright Hall Renovation	05/17/05	01/18/06	\$122,257	\$164,255	General Fund
2	ECU	40086-303	Nursing, Allied Health and Development Clinic	07/09/04	01/26/06	\$3,823,807	\$5,137,356	General Fund
3	ECU	40086-307	Academic Space Requirements - Teaching Labs	05/12/05	09/25/06	\$189,153	\$254,131	General Fund
4	ECU	40086-309	Old Cafeteria Office Building Renovation	06/23/05	06/30/06	\$138,881	\$186,589	General Fund
5	ECU	40086-310	Infrastructure - Repairs and Expansion - SOM	12/22/04	03/29/06	\$303,604	\$407,898	General Fund
6	ECSU	40083-303	Johnson Hall Classroom Building Renovation	03/04/05	12/21/05	\$169,547	\$227,790	General Fund
7	FSU	40084-302	Lyons Science and Laboratory Building	11/30/04	12/14/07	\$494,839	\$664,825	General Fund
8	FSU	40084-303	Science Annex - Comprehensive Renovation	09/24/04	09/29/05	\$0	\$0	
9	FSU	40084-309	Taylor Gymnasium - Conversion to Academic Use	03/01/05	01/02/07	\$0	\$0	
10	NCA&T	40087-303	Harrison Auditorium Renovation	11/30/04	01/26/05	\$0	\$0	
11	NCCU	40085-305	Rush Residence Hall	03/18/05	10/28/05	\$0	\$0	
12	NCCU	40085-311	Student Residence Halls - Fire Safety & Security	01/05/05	09/12/05	\$0	\$0	
13	NCCU	40085-313	Shepard Library	08/02/04	08/01/06	\$1,382,477	\$1,857,384	General Fund
14	NCCU	40085-315	Alexander Dunn Building	11/15/04	09/09/05	\$1,690,335	\$2,270,997	General Fund
15	NCCU	40085-316	Campus Infrastructure - Electrical	06/07/05	08/22/06	\$2,052,549	\$2,757,638	General Fund
16	NCCU	40085-324	Mold Remediation	08/18/04	06/15/05	\$0	\$0	
17	NCSA	40088-306	Workplace Building #2	01/25/05	04/25/06	\$0	\$0	
18	NCSA	40088-307	Crawford Hall and Recital Hall Renovation	01/25/05	04/25/06	\$0	\$0	
19	NCSA	40088-309	Gray Classroom Building Partial Renovation	01/25/05	04/11/06	\$153,602	\$206,367	General Fund
20	NCSA	40088-311	Renovation of DeMille Theatre	01/25/05	05/22/06	\$0	\$0	
21	NCSU	40074-314	Schaub Food Science Building Renovation	07/13/04	07/27/05	\$421,115	\$565,776	General Fund
22	NCSU	40074-317	Leazar Hall Laboratory Building Renovation	04/07/05	07/21/06	\$199,321	\$267,791	General Fund
23	NCSU	40074-318	Daniels Hall Laboratory Building Phase 1	12/21/04	11/21/05	\$89,335	\$120,023	General Fund
24	NCSU	40074-320	Library Space Phase I	05/16/05	02/06/07	\$238,838	\$320,883	General Fund
25	NCSU	40074-322	Field Research Laboratories & Outlying Research	10/06/04	09/02/05	\$0	\$0	
26	NCSU	40074-324	Research Lab Space Phase I	09/13/04	10/20/05	\$42,935	\$57,684	General Fund
27	NCSU	40074-326	College of Veterinary Medicine - Mech & Elec.	05/20/05	07/09/08	\$0	\$0	
28	NCSU	40074-328	North Campus Chilled Water	07/30/04	02/13/06	\$447,102	\$600,690	General Fund
29	NCSU	40074-331	Main Campus Infrastructure (Incl Water System) Thurman Drive	07/01/04	11/26/04	\$253,340	\$340,367	General Fund
30	NCSU	40074-337	Animal and Food Science Facilities	06/21/05	08/17/06	\$368,687	\$495,338	General Fund
31	NCSU	40074-350	Bio Chemistry and Animal Science - Tenant Improvemnts	05/13/05	12/09/05	\$0	\$0	
32	UNCA	40077-306	Relocate Physical Plant Facilities	05/31/05	12/06/06	\$261,301	\$351,063	General Fund



**THE UNIVERSITY OF NORTH CAROLINA**  
**2000 Higher Education Bond Program - Attachment 3**  
**Projects Starting Construction between July 1, 2004 and June 30, 2005**

33	UNC-CH	40072-305	Brauer Hall	07/21/04	11/17/06	\$292,166	\$392,530	General Fund
34	UNC-CH	40073-304	New West Classroom Renovation	08/18/04	11/10/05	\$51,022	\$68,549	General Fund
35	UNC-CH	40073-319	Hill & Davie Classroom Renovation - Davie Hall	06/21/05	01/17/06	\$0	\$0	
36	UNC-CH	40073-320	Global Education Center	09/23/04	11/16/06	\$566,364	\$760,921	General Fund
37	UNC-CH	40073-323	Physical Plant Support Facilities - EHS Build	12/01/04	01/03/06	\$190,014	\$255,287	General Fund
38	UNC-CH	40073-326	Cogeneration Facilities	06/16/05	03/23/06	\$0	\$0	
39	UNC-CH	40073-330	Electrical System Improvements	12/30/04	01/13/06	\$0	\$0	
40	UNC-CH	40073-332	ITS Building - Technology Infrastructure Expansion	11/10/04	12/15/06	\$1,025,265	\$1,377,463	General Fund
41	UNC-CH	40073-334	440 West Franklin Street Renovation	07/21/04	11/18/05	\$211,949	\$284,757	General Fund
42	UNCC	40076-309	Rowe Classroom Building Comprehensive Renovation	08/11/04	08/15/05	\$223,523	\$300,307	General Fund
43	UNCC	40076-310	McEniry Classroom Building Comprehensive Renovation	02/22/05	12/15/05	\$389,398	\$523,164	General Fund
44	UNCP	40081-303	Locklear Hall Classroom Building Compreshensive Renovation	08/10/04	10/03/05	\$75,691	\$101,692	General Fund
45	UNCP	40081-306	Moore Classroom Hall Comprehensive Renovation	10/05/04	01/03/06	\$87,260	\$117,235	General Fund
46	UNCP	40081-311	Renovation of Former Physical Plant Facilities	12/07/04	06/02/06	\$251,502	\$337,898	General Fund
47	UNCP	40081-313	Campus Water Distribution Upgrades	08/18/04	12/30/04	\$0	\$0	
48	UNCP	40081-314	Primary Electrical Distribution Upgrades	02/07/05	10/03/05	\$0	\$0	
49	UNCW	40078-302	Academic and Classroom Facilities	01/12/05	07/11/06	\$1,283,135	\$1,723,916	General Fund
50	UNCW	40078-303	General Classroom Building	02/22/05	09/14/06	\$930,420	\$1,250,037	General Fund
51	WCU	40079-302	Stillwell Lab Building Renovation	04/19/05	11/15/06	\$497,653	\$668,606	General Fund
52	WSSU	40082-304	Anderson Center Comprehensive Renovation	01/03/05	12/09/05	\$0	\$0	
53	WSSU	40082-305	Health Center Building and Old Nursing Building Renovation	01/10/05	01/12/06	\$32,320	\$43,423	General Fund
54	NC Arboretum	40090-301	Main Entrance Gates and Gate House	08/26/04	08/19/05	\$150,635	\$202,381	General Fund
55	NC Arboretum	40090-301	Greenhouse Exhibition Center	04/05/05	05/12/06	\$171,549	\$230,479	General Fund
				<b>Totals:</b>		<b>\$19,272,891</b>	<b>\$25,893,490</b>	

\* Estimated annual operating costs calculation assumes a 3% annual increase

**THE UNIVERSITY OF NORTH CAROLINA**  
**2000 Higher Education Bond Program - Attachment 4**  
**2004 Facilities Condition and Assessment Program (FCAP) Deficiency Figures as a Percentage of**  
**Estimated Replacement Costs (ERC)**

		Appropriated ERC	Appropriated FCAP	PCT	Nonappropriated ERC	Nonappropriated FCAP	PCT
#001	UNC-CH, Academic Affairs	\$ 1,063,738,119	\$ 137,876,640	13	\$ 308,144,061	\$ 82,612,781	26.8
#002	UNC-Charlotte	317,688,056	24,857,973	7.8	167,858,500	22,079,900	13.2
#003	UNC-Greensboro	300,904,994	38,420,681	12.8	102,366,415	37,289,203	36.4
#004	N.C. State University	1,192,756,582	68,809,251	5.8	395,575,022	33,313,938	8.4
#005	N.C. A & T State University	359,669,232	36,726,127	10.2	66,097,571	11,130,804	16.8
#006	Appalachian State University	336,111,811	33,695,045	10	154,440,996	27,819,285	18
#007	UNC-Asheville	133,949,218	12,058,749	9	45,050,136	790,650	1.8
#008	ECU, Academic Affairs	437,622,788	104,710,074	23.9	200,055,999	34,446,400	17.2
#009	Elizabeth City State University	72,304,009	5,680,649	7.9	30,376,631	5,620,284	18.5
#010	Fayetteville State University	76,270,297	5,144,273	6.7	28,722,263	2,798,797	9.7
#011	N.C. Central University	156,985,169	32,575,497	20.8	37,678,411	18,472,884	49
#012	UNC-Pembroke	100,705,279	9,020,451	9	11,706,586	3,257,887	27.8
#013	Western Carolina University	142,708,017	23,806,996	16.7	77,089,199	30,641,149	39.7
#014	UNC-Wilmington	195,956,014	13,123,701	6.7	45,965,647	11,911,448	25.9
#015	Winston-Salem State University	81,196,549	8,228,696	10.1	23,727,927	5,362,557	22.6
#016	N.C. School of the Arts	99,659,089	5,443,959	5.5	11,430,062	4,289,120	37.5
#017	UNC-CH, Health Affairs	803,988,809	61,360,202	7.6	419,933	71,335	17
#018	ECU, Health Affairs	159,186,319	7,267,735	4.6	6,296,895	309,750	4.9
#129	NCSU-Vet. School	81,147,611	2,269,172	2.8	-	21,000	0
<b>ALL UNC</b>		<b>\$ 6,112,547,962</b>	<b>\$ 631,075,871</b>	<b>10.3</b>	<b>\$ 1,713,002,254</b>	<b>\$ 332,239,172</b>	<b>19.4</b>

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 Repairs and Renovations Projects - Attachment 5**

<b>Appalachian State University</b>	<b>246,200</b>
<b>Improvements to meet fire safety needs</b>	<b>246,200</b>
Founders Hall Addressable Fire Alarm System	
Wey Hall Addressable Fire Alarm System	
B.B. Dougherty Administration Building Addressable Fire Alarm System	
<b>East Carolina University</b>	<b>387,500</b>
<b>Roof repairs and replacements</b>	<b>80,000</b>
Christenbury Roof Replacement	
School of Medicine - Reroof Leo Jenkins Cancer Center - First Floor	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>218,000</b>
Ragsdale Annex HVAC Repair	
Steam Plant Fuel Tank Inspection/Repair	
Emergency Steam Line - Replace valves, expansion joints	
Jenkins Art - Replace Exhaust Duct	
Sanitary Sewer - Reline Fleming to Wright	
Fletcher Music - Replace HVAC coil/valves	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>19,500</b>
Elevator Upgrades	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>70,000</b>
Repave College Hill Drive	
<b>Elizabeth City State University</b>	<b>106,400</b>
<b>Roof repairs and replacements</b>	<b>106,400</b>
Replace Roof - G.R. Little Library	
<b>Fayetteville State University</b>	<b>102,700</b>
<b>Roof repairs and replacements</b>	<b>25,000</b>
Storm Damage - Exterior Shell & Roof Repairs	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>20,000</b>
Miscellaneous Exterior Lighting Improvements	
<b>Improvements and renovations to improve use of existing space</b>	<b>20,000</b>
Interior Renovations	
<b>Drainage and landscape improvements</b>	<b>37,700</b>
Sidewalk Installations	
Grounds Improvements	
<b>North Carolina A&amp;T State University</b>	<b>247,900</b>
<b>Roof repairs and replacements</b>	<b>25,000</b>
Roof Repairs and Replacement Various Buildings: Campus-wide, Webb Hall,	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>70,000</b>
HVAC/Chiller Repairs and Replacements Academic Facilities Corbett , Webb,	
and Marteen Hall and various other buildings	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 Repairs and Renovations Projects - Attachment 5**

**North Carolina A&T State University (continued)**

<b>Improvements to existing facilities for energy efficiency</b>	<b>35,000</b>
Window Replacement for Energy Efficiency – Hodgin Hall	
<b>Improvements and renovations to improve use of existing space</b>	<b>65,000</b>
Small and Miscellaneous Projects Campus-wide	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>31,000</b>
Steam Line Distribution Repairs and Replacement	
<b>Historical Restoration</b>	<b>21,900</b>
Entrance Infrastructure Improvements	

**North Carolina Central University** **181,500**

<b>Roof repairs and replacements</b>	<b>83,802</b>
Human Sciences Building Roof Repairs	
Chemistry Building Roof Repairs	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>97,698</b>
ADA Ramps, Elevator Modifications and Curb Cuts - Campus Wide	

**North Carolina School of the Arts** **95,900**

<b>Roof repairs and replacements</b>	<b>54,000</b>
Replace Design and Production Roof	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>21,000</b>
Miscellaneous repairs to HVAC systems campus wide	
<b>Improvements and renovations to improve existing space</b>	<b>20,900</b>
Miscellaneous repairs of offices and classrooms	

**North Carolina State University** **778,000**

<b>Roof repairs and replacements</b>	<b>105,000</b>
Roof replacement	
<b>Repairs and renovations to meet federal and State standards</b>	<b>30,000</b>
Animal Care Facilities Repairs	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>410,000</b>
Connect to Central Chilled Water System	
Preheater Retubing #2 Boiler	
EGRC Chiller Compressor Failure	
Recommission HVAC - Air & Water study Only	
Research I - Chiller, Tower & Boilers (Design Only)	
<b>Improvements to meet fire safety needs</b>	<b>40,000</b>
Miscellaneous Safety Projects	
Fume Hood Repairs	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 Repairs and Renovations Projects - Attachment 5**

**North Carolina State University (continued)**

<b>Improvements to existing facilities for energy efficiency</b>	<b>75,000</b>
Performance Contracting Scope Study	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal</b>	<b>20,000</b>
Asbestos Contaminated Materials removal, Repair Projects	
<b>Improvements and renovations to improve use of existing space</b>	<b>98,000</b>
Classroom Seating Repair & Finishes	
Carpet & Flooring Replacement	
Paint Building Exteriors Miscellaneous	

**The University of North Carolina at Asheville** **119,200**

<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>95,000</b>
Miscellaneous Mechanical Repairs	
<b>Improvements to meet fire safety needs</b>	<b>24,200</b>
Correct Fire Safety Discrepancies	

**The University of North Carolina at Chapel Hill** **897,387**

<b>Roof repairs and replacements</b>	<b>47,387</b>
Phillips Hall - Advanced Planning Design for Roof Replacement of three low slope built-up sectors	
<b>Repairs and renovations to meet federal and state standards</b>	<b>50,000</b>
Campus-wide OSHA safety study - procedures and mechanisms for preventing falls during roof and	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>595,000</b>
Brinkhous-Bullitt - Replace four (4) domestic hot water heat exchangers/tanks	
Dental Research Building - Replace air handling units #3 and #4	
Mary Ellen Jones - Replace non-functioning diesel generators with a new 1250 kw generator	
<b>Improvements to meet fire safety needs</b>	<b>205,000</b>
McGavran-Greenberg - Replace existing fire alarm with an addressable Fire Alarm System	

**The University of North Carolina at Charlotte** **226,900**

<b>Improvements to meet fire safety needs</b>	<b>126,900</b>
Replace Colvard South Fire Alarm System	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>100,000</b>
Steam and Condensate Line Replacement – Kennedy	

**The University of North Carolina at Greensboro** **337,700**

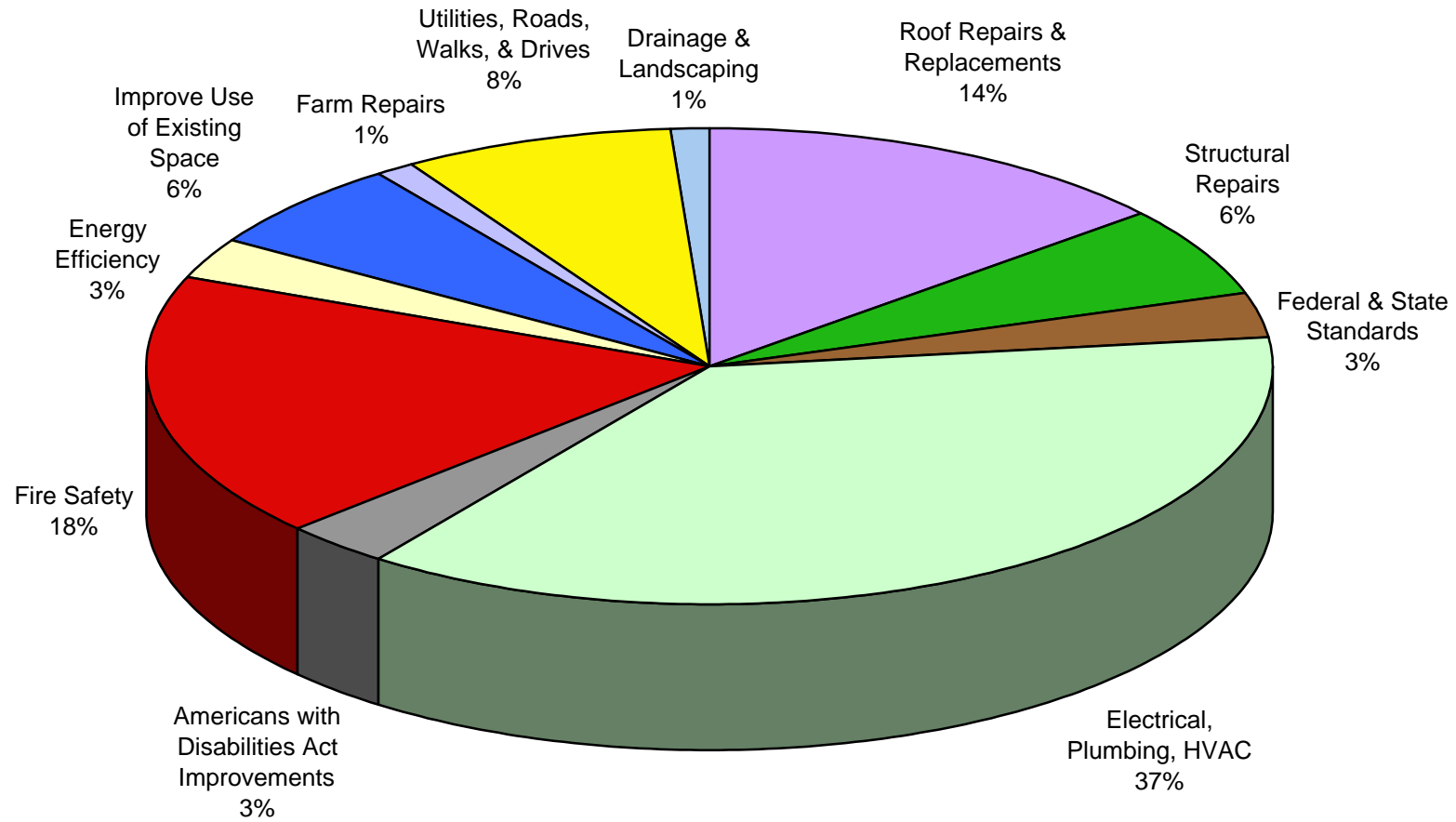
<b>Roof repairs and replacements</b>	<b>55,000</b>
Brown Annex Roof Replacement	
<b>Structural repairs</b>	<b>265,000</b>
Cone Art Waterproofing	
Rosenthal Gym Waterproofing	
<b>Improvements to meet the requirments of the Americans with Disabilities Act</b>	<b>17,700</b>
Continuation of Campus-Wide ADA Program	

**THE UNIVERSITY OF NORTH CAROLINA  
2003 Repairs and Renovations Projects - Attachment 5**

<b>The University of North Carolina at Pembroke</b>	<b>113,400</b>
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>30,000</b>
Dining Hall lighting renovations	
<b>Improvements and renovations to improve use of existing space</b>	<b>20,000</b>
Interior Renovations - Education	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>63,400</b>
Campuswide drainage repairs	
Sidewalk Repairs	
<b>The University of North Carolina at Wilmington</b>	<b>149,100</b>
<b>Repairs and renovations to meet state and federal standards</b>	<b>29,000</b>
Campus wide - Install emergency eyewash showers in all mechanical rooms	
Morton Hall - Make-up air modification (OSHA)	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>20,000</b>
Center for Marine Sciences-Myrtle Grove - Link Seawater Mgmt. System w/CMS Bldg. Mgmt.	
<b>Improvements to meet fire safety needs</b>	<b>100,100</b>
Fire Alarm Central Upgrade	
Hanover Hall - Replace Egress Lighting	
<b>Western Carolina University</b>	<b>165,300</b>
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>10,000</b>
Continuation of Campus-Wide Program	
<b>Improvements and renovations to improve use of existing space</b>	<b>30,300</b>
Minor Building Renovations	
<b>Improvements to meet OSHA and Fire Safety Needs</b>	<b>20,000</b>
Correct Fire Safety Deficiencies	
Correct OSHA Deficiencies	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>90,000</b>
Water Plant Improvements, Phase I	
<b>Drainage and landscape improvements</b>	<b>15,000</b>
University Outreach Center exterior improvements	
<b>Winston-Salem State University</b>	<b>108,400</b>
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>108,400</b>
K.R. Williams Auditorium chiller removal, connection to central CW loop	
<b>TOTAL</b>	<b>4,263,487</b>

THE UNIVERSITY OF NORTH CAROLINA

2003 Repairs and Renovations by Category - Attachment 6



**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

<b>Appalachian State University</b>	<b>7,663,400</b>
<b>Roof repairs and replacements</b>	<b>1,204,000</b>
Farthing Auditorium	
Varsity Gymnasium	
Comprehensive Clinic	
I.G. Greer Hall	
Sanford Hall	
Wey Hall	
<b>Repairs to meet Federal and State Standards</b>	<b>998,000</b>
Phase I - Water distribution system repairs and replacement	
<b>Repairs to HVAC systems (life safety and mold mitigation)</b>	<b>600,000</b>
Phase II - Wey Hall HVAC system upgrade (life safety)	
University Hall HVAC system upgrade (life safety- mold mitigation)	
<b>Improvements to meet the requirements of the ADA (accessibility)</b>	<b>975,000</b>
Elevator addition to Comprehensive Clinic Building	
Elevator modifications at Wey and Sanford Halls	
Sidewalks and handicap ramps repairs and replacements	
<b>Improvements to meet fire safety requirements</b>	<b>795,000</b>
Fire alarm addition - Rankin Hall (old)	
Fire alarm addition/partial sprinkler system in shop areas - Physical Plant Buildings	
Fire alarm addition - Comprehensive Clinic Building	
Fire alarm addition - University Hall	
Fire alarm addition/partial sprinkler system in lab area - Kerr Scott Hall	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>1,965,225</b>
Central Boiler Plant - burner replacement for four (4) boilers	
Rankin Science (oldest building) window replacement	
Wey Hall window replacement	
Belk Library window replacement	
Rankin Science (old) chiller replacement	
B.B. Dougherty chiller replacement	
<b>Improvements to roads, drives and utilities infrastructure</b>	<b>1,126,175</b>
Road and drive reconstruction	
Boone Creek bridge repair/replacement	
<b>East Carolina University</b>	<b>12,062,500</b>
<b>Improvements to meet fire safety needs</b>	<b>16,900</b>
Rivers Building Department of Insurance Renovations	
<b>Drainage and landscape improvements</b>	<b>187,000</b>
Fletcher Music - Repair/Replace Storm Drain	
Professional Plaza - Replace Storm Water System	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>11,580,200</b>
Howell Science - Replace HVAC System	
Wright Circle Infrastructure and Fountain Repair	
HSC- Replace Exhaust Fans at Brody Penthouse	
Campus Sewer Repairs	
Ward - Connection to Central Chilled Water Plant	
Steam Plant Repairs	
<b>Roof repairs and replacements</b>	<b>255,600</b>
Austin Building Roof Replacement	
Reroof Mamie Jenkins Building	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>22,800</b>
Wright Circle - Mill and Repave	



**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

<b>Elizabeth City State University</b>	<b>3,313,200</b>
<b>Roof repairs and replacements</b>	<b>100,383</b>
Replace Shingle Roof, Moore Hall	
<b>Repairs and renovations to meet state and federal standards</b>	<b>248,438</b>
Correct Miscellaneous Immediate Deficiencies Various Buildings	
Repair Leaks & Caulk Several Buildings	
<b>Repairs to electrical, plumbing and HVAC systems</b>	<b>1,426,405</b>
Various HVAC, Plumbing, Electrical Repairs	
Renovate HVAC System, Little Library (correct repetitive mold problem)	
<b>Improvements to meet fire safety needs</b>	<b>535,628</b>
Replace Fire Alarm System, Vaughan Center	
Replace/Upgrade Fire Alarms Systems-Variou Buildings	
<b>Improvements to existing facilities for energy efficiency</b>	<b>277,236</b>
Lighting Retrofit- Various Buildings	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>667,868</b>
Repair of Campus Roadways and Site Lighting	
Repair or Replace Damaged Concrete Sidewalks	
<b>Drainage and landscape improvements</b>	<b>57,241</b>
Hurricane Damage Repairs and Landscaping	
 <b>Fayetteville State University</b>	 <b>3,197,800</b>
<b>Roof repairs and replacements</b>	<b>445,778</b>
Rosenthal Roof Replacement	
School of Business and Economics - Roof Replacement	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>799,487</b>
Chestnutt Chiller Replacement	
School of Business and Economics - Chiller Replacement	
Campus Fire Alarm System Upgrades	
<b>Improvements and renovations to improve use of existing space</b>	<b>969,135</b>
Mitchell Bldg Interior Renovation	
Misc Bldg Upfits	
<b>Drainage, utilities infrastructure and landscape improvements</b>	<b>983,400</b>
Campus Infrastructure Improvements - Phase I	
 <b>North Carolina A&amp;T State University</b>	 <b>7,716,400</b>
<b>Roof repairs and replacements</b>	<b>345,000</b>
Roof Repairs and Replacements Noble, McNair, Marteen, Moore and Ward	
<b>Repairs to electrical, plumbing and heating, ventilation, and air-conditioning systems</b>	<b>2,542,000</b>
HVAC Replacements and Retrofits (Mold and Mildew Prevention)	
Electrical System Repairs and Upgrades	
Plumbing Repairs and Replacements (Mold and Mildew Prevention)	
<b>Improvements and renovations to improve use of existing space</b>	<b>1,345,000</b>
Improvements to academic classrooms campus-wide	
<b>Improvements to roads, walks, drives, utilities, infrastructure</b>	<b>752,400</b>
Campus Steam Line Replacement (Mold and Mildew Prevention)	
<b>Improvements to roads, walks, drives, utilities, infrastructure</b>	<b>354,000</b>
Resurface campus roads	
Campus Walks	
<b>Farm Improvements</b>	<b>87,000</b>
Repair roofs, waterproof, door and window repair various buildings University Farm	
<b>Improvements to existing facilities for energy efficiency</b>	<b>1,858,000</b>

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

**North Carolina A&T State University (continued)**

Window and Door Replacements  
 Lighting Replacement  
 Energy Management System

**Improvements to meet fire safety and security needs** **433,000**  
 Campus Wide

**North Carolina Central University** **5,648,300**

**Roof Repairs and Replacements** **486,000**

Roof Repairs - Physical Plant, Taylor Education, Music and Central Heating Plant

**Repairs to electrical, plumbing, heating, ventilating, and air-conditioning systems** **2,083,300**

Repairs to HVAC Systems - Miller Morgan, Fine Arts, Walker Complex, Hoey and Taylor Education

**Improvements to meet the requirements of the Americans with Disabilities Act** **504,000**

Elevator Upgrades - Fine Arts, Farrison-Newton, Walker Complex and Hoey

Interior Improvements - Fine Arts, McLendon-McDougald and Taylor Education

**Improvements to meet fire safety needs** **1,420,000**

Replace Fire Alarm Systems - Taylor Education, and Fine Arts

Install Sprinkler System - Walker Complex and Hoey

**Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks** **830,000**

Asbestos Abatement - Fine Arts, Miller Morgan, Taylor Education, Robinson Science, Hoey, McLendon-

McDougald and Hubbard Chemistry

**Improvements to roads, walkways, drives, and utilities infrastructure** **175,000**

Exterior improvements to grounds and pedestrian ways

**Drainage and landscape improvements** **150,000**

Flood Mitigation - Campus-wide

**North Carolina School of the Arts** **2,985,900**

**Roof Repairs and Replacements** **835,300**

Performance Place roof replace to prevent water infiltration

Design & Production roof replace to prevent water infiltration and source of mold contamination

Scenery shop roof replacement to prevent water infiltration

Pierce building roof replacement to prevent water infiltration

Former Transmission shop roof replacement to prevent water infiltration

Gray High School scuppers and downspouts to prevent water infiltration

Facilities Repair shop roof replacement to prevent water infiltration

**Building/Structural Repairs** **136,400**

Performance Place exterior wall repair - water damage

Physical Plant exterior wall repair - water infiltration

Fitness Center exterior wall repair - water infil. & humidity

Burgess House foundation wall structurally unsafe

Repair Garage severe cracking in wall

Sculpture Studio patio cover from rain intrusion

Workplace West Middle School repairs and ADA compliance and roof protrusions and roof seams

Gray High School fire escape refurbish & repainting

**Repairs and Renovations to Meet federal and State standards** **794,700**

Replace all NCSA Dormitory fire alarm systems to meet NC fire code and DOI standards

Replace fire alarm systems to meet NC fire code and DOI standards at Gray HS, Demille Theater,

Workplace, Administration, and Workplace West elementary school

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

**North Carolina School of the Arts (continued)**

DOI code violation repairs at Workplace, D&P shop, Film School, and Bailey St. apartments  
D&P shops and Physical Plant explosion proof electrical equipment and Dust Collection to meet fire and DOI code  
Provide heat system in downstairs Physical Plant

**Repairs to electrical, plumbing, ventilating, and air-conditioning systems** **1,188,400**

HVAC system and controls replace at Performance Place  
Replace controls & chiller and perform engineering study of HVAC system at Design & Production shop  
Replace controls & air handling units and add new piping & controls for costume shop at Demille Theater  
Replace controls and balance air distribution for Administration building  
Upgrade controls and replace upstairs furnace system in the Pierce building  
Replace rooftop units at Workplace West Middle school  
Replace motor control & install 1000 KVA Transformer at Commons  
Install new feeder & completely rewire and replace panels & switches at Administration building  
Replace exterior lighting at Workplace & completely rewire Physical plant  
Install emergency generator at Gray High School  
Replace electrical panels to meet NEC standards at Demille Theater

**Improvements to existing facilities for energy efficiency** **31,100**

Replace single glazed windows with energy efficient thermal break frames and insulated glass at Pierce building

**North Carolina State University** **24,214,800**

**Roof repairs and replacements** **993,000**

Avent Ferry Convention Center - Roof Replacement  
College of Veterinary Medicine - Coating for Metal Roofs incl. Stair Towers  
Mycotoxin and Weaver Labs E&F - Roof replacement

**Structural Repairs** **676,400**

Jordan Hall - Repair masonry, curtainwalls and slabs  
College of Veterinary Medicine - Masonry Barrel Roof Replacement  
Buildings - Exterior masonry & precast cleaning & sealants  
Textiles Building- Exterior Step Repairs, Pavers, Roof Leaks, Tiles

**Repairs and Renovations to Meet Federal and State Standards** **89,000**

Miscellaneous Safety Related Projects

**Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems** **9,212,000**

Research I - Renovate Chillers, Boilers, Tower  
College of Textiles - HVAC Controls Upgrade  
Campus Wide Controls Upgrade  
Hodges - HVAC Renovation (Design complete)  
Grinnels, Dearstyne and Don Ellis Buildings - HVAC  
D.H. Hill - HVAC Renovation  
Fume Hoods  
Emergency Generator Replacements  
Method Road - Emergency Generator Installation  
Partners II - HVAC rebalance commissioning  
Dabney Air - supply Air  
Jordan - Replace Evaporative Coolers  
Peele Hall - HVAC Renovation and Sprinkler System  
Motor Pool - HVAC Renovation  
Engineering Graduate Research Center - Chiller/Condenser Water System Upgrades  
Poe - Room 216 Auditorium HVAC (Classroom)

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

**North Carolina State University (continued)**

Patterson - HVAC for Rm 215	
Burlington and Mann - HVAC Controls Upgrade	
Nelson Hall - HVAC Balancing and Calibration	
College of Veterinary Medicine Finger Barns HVAC and Electrical Upgrades	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>300,000</b>
Campus Wide ADA Improvements	
<b>Improvements to meet fire safety needs</b>	<b>267,400</b>
Cox Hall - New sprinkler System	
Pesticide Research Lab - Fire Alarm Upgrade	
<b>Improvements to existing facilities for energy efficiency</b>	<b>1,300,000</b>
Supervisory Control and Data Acquisition (SCADA) System for Electrical Utility	
Metering - Install, calibrate, repair, replace	
Energy Efficient Lighting Upgrades	
Energy Efficient Motor Replacements	
<b>Improvements and renovations to improve use of existing space</b>	<b>3,595,000</b>
Duron Building - Interior Upfit	
Classroom Renovations	
Poe Hall - 216 Classroom Auditorium Seat Replacement	
Mann Hall and Burlington Labs Elevator Replacements	
Dabney Hall Elevator Replacements	
Burlington Labs - Renovation	
Caldwell - Study Lounge & Office Renovations	
Kamphoefner - Renovate Auditorium	
<b>Improvements to roads, walks, drives, and utilities infrastructure</b>	<b>7,782,000</b>
Steam Distribution and Capacity Improvements	
Connection to central chilled water loop	
Yarborough Steam Plant - Burner Replacement	
Cates Boiler Plant - Combustion Controls Upgrade	
Yarborough and Centennial Plant - Controls Workstations	
Jordan Hall - Steam Line Replacement	
Main campus - Switch & Cable Replacement	
Yarborough Steam Plant Renovation Study	
Gas Main Replacement	
Main Campus - Replace centralized domestic hot water distribution system	
Dan Allen Drive Paving	
Cates Avenue Paving	
Sullivan Site Service Drive Paving	
Varsity Drive Paving	
Campus Sidewalk Repairs (Lee/Sullivan Court)	
Main campus - Public Lighting Upgrade - Phase I	
<b>The University of North Carolina at Asheville</b>	<b>3,710,200</b>
<b>Roof repairs and replacements</b>	<b>194,114</b>
Roof replacement	
<b>Repairs and renovations to meet federal and State standards</b>	<b>146,294</b>
Campus wide ADA Corrections	
<b>Repairs to electrical, plumbing, ventilating, and HVAC systems</b>	<b>1,203,907</b>
HVAC Systems & Indoor Air Quality Upgrade - Phase I	
Campus Primary Electrical Upgrade Phase IV	
<b>Improvements to meet fire safety needs</b>	<b>352,337</b>
Miscellaneous Safety Projects	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

**The University of North Carolina at Asheville (continued)**

Owen Hall Steel Fire Protection Coating	
Elevator Upgrade for Three Buildings	
<b>Improvements to existing facilities for energy efficiency</b>	<b>50,000</b>
Performance Contracting Scope Study	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>42,000</b>
Campus Wide Asbestos Survey, Abatement, and Repair	
<b>Improvements and renovations to improve use of existing space</b>	<b>1,721,548</b>
Renovation to Administrative/Academic Buildings	

**The University of North Carolina at Chapel Hill** **27,934,500**

<b>Roof repairs and replacements</b>	<b>3,577,776</b>
Davie Hall Original Wing - Metal roof replacement	
Howell Hall - Metal roof replacement	
Mary Anne Smith Building - Slate roof restoration	
Caldwell Hall - Roof replacement (1912 clay tile sector & single ply EPDM sector)	
Bynum Hall - Roof restoration (1905 slate)	
Phillips Hall and Annex - Slate roof and low slope roof sectors restoration	
Hanes Hall - Slate roof restoration	
<b>Structural repairs</b>	<b>2,663,995</b>
New East - Exterior stucco restoration	
Carmichael Auditorium - Replace failing pre-cast concrete panel system	
FPG Child Dev. Ctr, Alumni, Howell & Bingham Halls - Foundation water-proofing	
Mary Anne Smith Building - Foundation water-proofing, mortar & termite damage repair	
Phillips Hall - Repair exterior masonry to prevent moisture intrusion	
Hanes Hall - Foundation water-proofing and perimeter drain repairs	
Gardner Hall - Foundation water-proofing and perimeter drain repairs	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>16,617,679</b>
Brinkhous-Bullitt - Replace HVAC system to address indoor air quality	
Fordham Hall - Repairs to HVAC system to address indoor air quality	
Hanes Hall - Electrical improvements	
Hanes Hall - Extend HVAC air distribution and temperature control systems	
Hanes Hall - Interior renovations of 1st and 3rd floors (must be done with MEP)	
Person Hall - Replace HVAC Systems	
Dental Research - Replace HVAC System	
Mary Anne Smith Building - Replace DX & window A/C with a central HVAC system	
Medical School Wing "C" - Replace HVAC system	
MacNider Hall - Install pre-heat coils to allow outside air into HVAC system	
Phillips Hall, Computing Room 37D - HVAC and electrical upgrade	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>211,854</b>
Continuation of campus-wide ADA program	
<b>Improvements to meet fire safety needs</b>	<b>2,464,133</b>
Brinkhous-Bullitt - Replace existing fire alarm with an addressable system	
McGavran-Greenberg - Install fire sprinkler protection	
Hanes Hall - Install fire sprinkler protection	
Mary Anne Smith Building - Install fire sprinkler protection and fire alarm system	
Wilson Library - Correct life safety egress deficiencies	
<b>Improvements to existing facilities for energy efficiency</b>	<b>2,399,063</b>
Hanes Hall - Window replacement	
Bynum Hall - Window replacement	
Howell Hall - Window replacement	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

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

Alumni Hall - Window replacement  
 Medical School Wing "C" - Window replacement  
 Old Clinic - Window replacement

**The University of North Carolina at Charlotte** **7,061,400**

**Improvements to meet fire safety needs** **163,500**

Fire Detection System Replacement - Colvard North

**Improvements to roads, walks, drives, utilities infrastructure** **3,760,323**

High Voltage Oil Switch Replacements

Steam and Condensate Line Replacement, Phase 1

Steam and Condensate Line Replacement, Phase 2

**Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems** **3,037,577**

Hot Water Piping Replacement - Academic Complex

HVAC Upgrade - Kennedy Building

HVAC Upgrade - Smith Engineering Building

**Improvements to meet the requirements of the Americans with Disabilities Act** **100,000**

Campus-wide ADA Improvements

**The University of North Carolina at Greensboro** **10,510,100**

**Roof repairs and replacements** **3,869,500**

Roof and Sealants Maintenance Yearly (\$100,000/year X 6)

915 Northridge Warehouse Roof Replacement

Bryan Building Roof Repair

HHP Roof Repair (Phase I)

North Child Care Roof

Graham Building Windows and Waterproofing

McIver Roof Repair

Steam Plant Tile Roof

Library Sealants and Foundation Waterproofing

**Structural Repairs** **3,246,700**

Cone Art Waterproofing

Rosenthal Waterproofing Phase II

Curry Roof, Crawlspace Waterproofing and Window Replacement

Eberhart Wall Repairs

Retaining Walls at Ferguson (Highland/Spring Garden St.)

Bridges (2 Northwest Quadrant)

**Repairs to Electrical, Plumbing and Heating, Ventilation, Air Conditioning Systems** **1,140,000**

High Efficiency Single Phase Protection (\$20,000/yr x 5 years)

Chiller Purge Units Phase 1, 2, and 3

Elevator Repair: 1100 W. Market St.

Bryan Building Chiller

Library Chiller

**Improvements to Meet the Requirements of the Americans with Disabilities Act** **535,000**

Continuation of Campus Wide Program (5% of R&R Budget Total for Yearly Projects from Campus ADA Study)

ADA List for 1100 w. Market

**Improvements to Meet Fire Safety Needs** **495,000**

Fire Alarm Replacement: Oakland Ave. Warehouse

Eberhart Building Fire Alarm

**Improvements to Existing Facilities for Energy Efficiency** **150,000**

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

**The University of North Carolina at Greensboro (continued)**

Door Replacement (\$25,000/year x 6)	
Building Utilities Metering (\$1500 x bldg)	
<b>Improvements to Remove Asbestos, Lead Paint, and Other Contaminants, Including the Removal and Replacement of Underground Storage Tanks</b>	<b>10,000</b>
Asbestos Abatement "As Needed"(\$25,000/year,required)	
<b>Improvements and Renovations to Improve Use of Existing Space</b>	<b>450,000</b>
General Classroom Refurbishment/Renovation/Carpet (\$400,000/year X 6)	
Contract Painting (\$100,000/year x 6)	
General Building Rekeying	
Signage (Building Signage/Kiosks)	
<b>Improvements to Roads, Walks, Drives, Utilities Infrastructure</b>	<b>588,900</b>
Street Repairs (Minor Projects)	
Public Lighting Upgrade	
Steam Distribution System Replacement (10 Projects)	
<b>Drainage and Landscape Improvements</b>	<b>25,000</b>
Landscape Replacement (\$50,000/year X 6)	

**The University of North Carolina at Pembroke** **6,432,400**

<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	
Dial Building Mold remediation & Renovation	<b>2,902,700</b>
<b>Roof Repairs and Replacements</b>	<b>893,480</b>
Roof Replacements - Belk, Chavis, GPAC, Jacobs, Lumbee, North, West	
<b>Improvements to meet fire safety needs</b>	<b>1,450,290</b>
Fire Sprinkler Systems - Lowry, Jacobs, Old Main, North, Belk, West	
Fire Alarm Systems - University Center, DF Lowry, Jacobs, Library, Wellons	
<b>Drainage and Landscape Improvements</b>	<b>691,900</b>
Campus Drainage Improvements	
<b>Structural Repairs</b>	<b>494,030</b>
Exterior Wall Repair and Masonry Treatment - Belk, Lumbee, Locklear, GPAC, Education, University Center, North	

**The University of North Carolina at Wilmington** **4,641,500**

<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>1,802,853</b>
Mold Remediation and Cause Resolution	
<b>Improvements to meet fire safety needs</b>	<b>133,453</b>
Water Distribution System Booster Pump	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>381,427</b>
Add Power Conditioning System	
<b>Repairs and renovations to meet state and federal standards</b>	<b>1,067,539</b>
Exterior Handrail Repair/Replacement	
Bathroom Facilities/Backup Generator/Elec-Piping Renov.	
<b>Structural repairs</b>	<b>462,142</b>
Structural Repairs to Floor	
<b>Roof repairs and replacements</b>	<b>794,086</b>
Gutter/Waterproofing/Envelope Repairs	
Roof Replacement	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

<b>Western Carolina University</b>	<b>5,144,000</b>
<b>Repairs and renovations to meet federal and state standards:</b>	<b>344,300</b>
Water Plant Improvements - Phase I	
<b>Roof repairs and replacements</b>	<b>2,889,200</b>
Moore Building - Roof Replacement	
Stillwell Building - Roof Replacement	
McKee Building - Roof Replacement	
Killian Building - Roof Replacement	
Hunter Library - Partial Roof Replacement	
<b>Improvements to existing facilities for energy efficiency</b>	<b>1,267,600</b>
Window Replacement - Belk Building	
<b>Improvements to remove asbestos, lead paint &amp; other contaminants:</b>	<b>401,600</b>
Elevated Potable Water Tank Lead Paint Removal and Repainting	
Underground Storage Tank Removal - Jordan Phillips Field House and University Outreach Center	
Continuation of Campus Wide Asbestos Abatement Program	
<b>Improvements to meet fire safety needs</b>	<b>241,300</b>
Correct Fire Safety Deficiencies	
 <b>Winston-Salem State University</b>	 <b>3,373,300</b>
<b>Roof Repairs and Replacements</b>	<b>252,500</b>
Hill Hall roof replacement to prevent water infiltration	
Atkins Residence Hall roof replacement to prevent water infiltration	
Heating Plant roof replacement to prevent water infiltration	
Miscellaneous roof repairs, to prevent water infiltration, campus buildings	
<b>Building/Structural Repairs</b>	<b>545,000</b>
Blair Hall window replacement	
Eller Hall window replacement	
KR Williams auditorium balcony structural repairs for safety	
Parking lot Embankment, structural study	
Thompson Center structural study at circular section	
Steam Plant stack structural study	
Hall Patterson brick lintel/window repairs to stop water infiltration	
Old Chancellor's residence waterproofing to stop water infiltration	
Coltrane Hall foundation waterproofing to stop water infiltration	
Construct catwalk to fuel tanks to provide safe access for fuel measurement	
Heating Plant window replacement to stop water infiltration	
Thompson Center window glazing repairs to stop water infiltration	
Chancellor's residence structural foundation study	
Eller Hall tuck point and waterproof exterior wall to prevent water infiltration	
<b>Repairs and Renovations to Meet federal and State standards</b>	<b>135,000</b>
Miscellaneous fire safety code compliance, campus wide based on DOI inspection report	
Spill containment compliance	
<b>Repairs to electrical, plumbing, ventilating, and air-conditioning systems:</b>	<b>831,000</b>
Primary electrical cable replacement	
Hauser Union Chiller abandonment and connection to Central CW Plant. Chiller and cooling tower are 32 years old	
FL Atkins cooling tower replacement	
Control upgrades Hauser Union	
Central Chilled water plant, add 400 ton chiller to provide back up chilled water supply at central plant	



**THE UNIVERSITY OF NORTH CAROLINA**  
**2003 COPs Repairs and Renovations Projects - Attachment 7**

**Winston-Salem State University (continued)**

Gaines Center, football locker room HVAC upgrade. Existing system is undersized and does not have make up air. Humidity levels are extremely high. Mold prevention

Gaines Center, weight room duct work replacement, existing duct insulation promotes condensation and excessive humidity. Mold prevention

Substation, add fencing around gear for safety

**Improvements to meet the requirements of the Americans with Disabilities Act** **458,000**

Old Nursing restroom renovation for ADA accessibility

Eller Hall elevator installation, building does not have elevator

Atkins Hall elevator retrofit

Blair Hall Elevator retrofit

**Improvements to meet fire safety needs** **536,000**

Hall Patterson, fire alarm system replacement

Coltrane Hall, fire alarm system replacement

Heating Plant fire alarm system

Eller Hall fire alarm system

Maintenance Building fire alarm system replacement

Eller Hall, installation of emergency generator, telephone PBX, to allow telephone continuity in case of power failure

Campus Police/Heating Plant, installation of emergency generator

Sidewalk repairs, campus wide

Site lighting improvements campus wide

**Improvements to existing facilities for energy efficiency** **65,000**

Underground steam repairs

**Improvements and renovations to improve use of existing space** **190,000**

Gaines Center, classroom improvements

Hill Hall lecture hall classroom improvements

Carpet replacement Eller Hall

Miscellaneous floor finishes replacements

Eller Hall interior building painting

**Improvements to roads, walks, drives, and utilities infrastructure** **360,800**

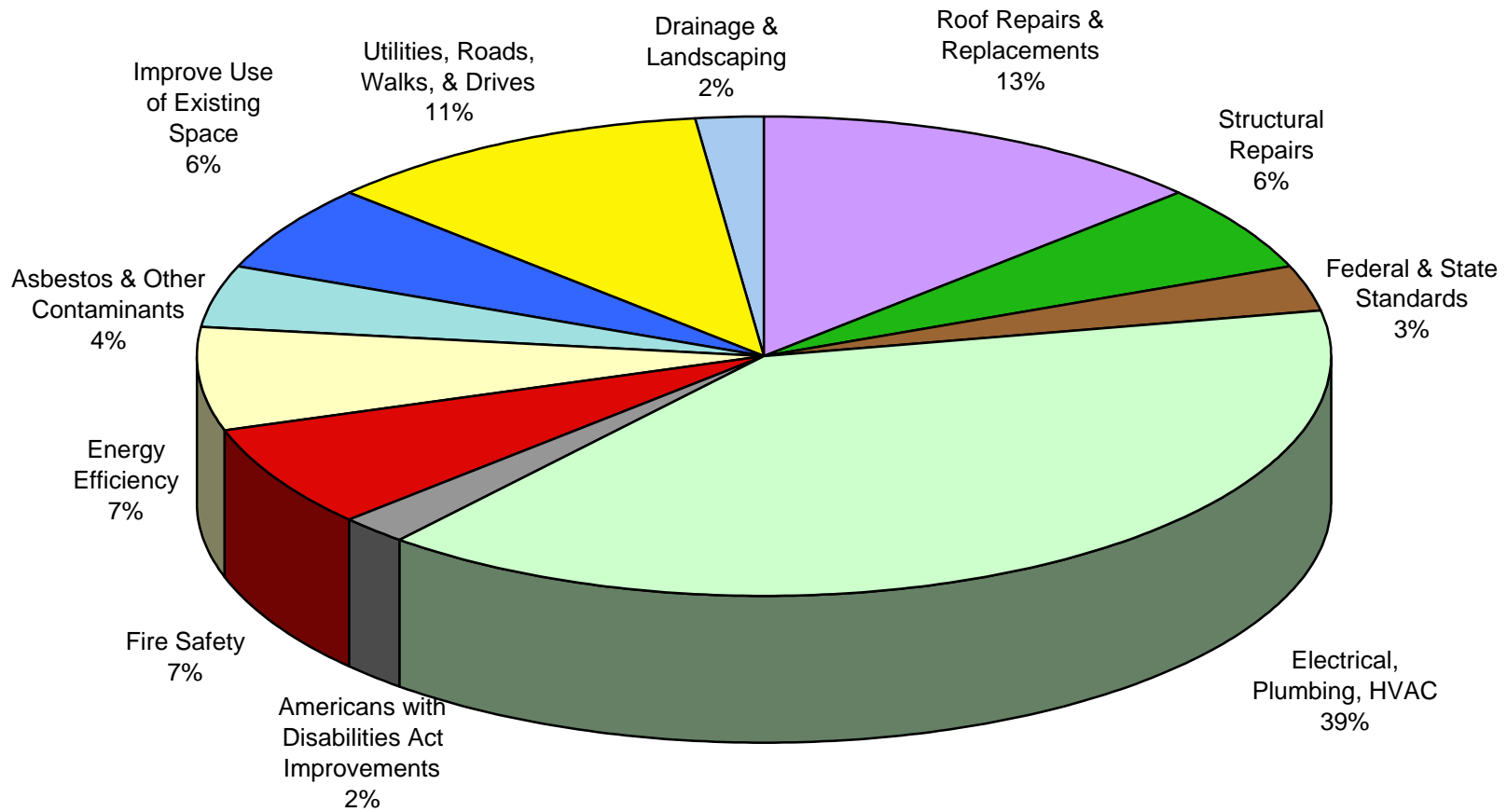
Miscellaneous road and parking lot repairs

Track resurfacing

**TOTAL** **135,609,700**

**THE UNIVERSITY OF NORTH CAROLINA**

**2003 COPs Repairs and Renovations by Category - Attachment 8**



**THE UNIVERSITY OF NORTH CAROLINA**  
**2004 Repairs and Renovations Projects - Attachment 9**

<b>Appalachian State University</b>	<b>1,497,400</b>
<b>Roof repairs and replacements</b>	<b>173,000</b>
Roof replacement - Sanford Hall	
<b>Improvements to meet fire safety needs</b>	<b>125,000</b>
Fire alarm installation - Sanford Hall	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>175,000</b>
Window replacement - Sanford Hall	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>74,400</b>
Walk reconstruction - Sanford Pedestrian Mall	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>950,000</b>
Americans with Disabilities Act and pedestrian safety improvements - campus-wide	
<b>East Carolina University</b>	<b>2,391,700</b>
<b>Roof repairs and replacements</b>	<b>884,400</b>
Roof replacement - Brody School of Medicine, Rawl Hall	
<b>Structural repairs</b>	<b>234,400</b>
Window replacement - Whichard Building	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>798,600</b>
Transformer replacement - Brewster Building, Jenkins Art Center	
Heating, ventilation and air-conditioning system renewal - McGinnis Theatre	
Plumbing system repair - Rawl Building restrooms	
Steam distribution system repair - East Campus	
Heating, ventilation and air-conditioning system repair - Brewster Building (C-Wing)	
<b>Improvements to meet fire safety needs</b>	<b>253,400</b>
Department of Insurance deficiency correction - Messick Building	
<b>Drainage and landscape improvements</b>	<b>220,900</b>
Storm drain replacement - East campus	
<b>Elizabeth City State University</b>	<b>619,500</b>
<b>Roof repairs and replacements</b>	<b>30,000</b>
Roof replacement - ROTC Classroom Building, Herrington House	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>90,000</b>
Electrical and plumbing and heating, ventilation and air-conditioning system repair - campus-wide	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>20,000</b>
Handicap access - Chancellor's Residence	
<b>Improvements to meet fire safety needs</b>	<b>163,500</b>
Fire alarm system replacement - Little Library	
Fire alarm system repair - campus-wide	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>60,000</b>
Heating, ventilation and air-conditioning system renewal - Fine Arts Building	

**THE UNIVERSITY OF NORTH CAROLINA  
2004 Repairs and Renovations Projects - Attachment 9**

**Elizabeth City State University (continued)**

<b>Improvements and renovations to improve the use of existing space</b>	<b>146,000</b>
Renovation - Thorpe Building (Financial Aid Office)	
Renovations - campus-wide	
<b>Improvements to roads, walks, drives and utility infrastructure</b>	<b>50,000</b>
Emergency call box improvements	
<b>Drainage and landscape improvements</b>	<b>60,000</b>
Drainage system repair - campus-wide	

**Fayetteville State University** **604,200**

<b>Roof repairs and replacements</b>	<b>139,200</b>
Roof replacement – Helen Chick Building	
<b>Structural repairs</b>	<b>250,000</b>
Exterior building repair – Barber Building, G. L. Butler Building	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>35,000</b>
Underground storage tank removal - Lyons Science Building	
<b>Improvements and renovations to improve the use of existing space</b>	<b>180,000</b>
Renovation – G. L. Butler Building	

**North Carolina A&T State University** **1,482,500**

<b>Improvements and renovations to improve the use of existing space</b>	<b>1,482,500</b>
Renovation - Harrison Hall	

**North Carolina Central University** **1,078,000**

<b>Roof repairs and replacements</b>	<b>93,000</b>
Roof replacement - Old Public Safety Building, Human Resources Building	
<b>Improvements and renovations to improve the use of existing space</b>	<b>985,000</b>
Renovation - Hubbard Chemistry, Lee Biology, Robinson Science	

**North Carolina School of the Arts** **564,400**

<b>Structural repairs</b>	<b>37,600</b>
Exterior building repair - Design & Production Building	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>55,100</b>
ADA improvements to sidewalks - campus-wide	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>20,000</b>
Electric & water meter installation - selected buildings	
<b>Improvements and renovations to improve the use of existing space</b>	<b>258,600</b>
Stage floor replacement - Demille Theater	
Floor replacement - Design & Production Building	
Lights, ceiling tiles and carpet replacement - School of Dance	
Renovation - Moore Building and Sanford Building connector	
Renovation - campus-wide	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2004 Repairs and Renovations Projects - Attachment 9**

**North Carolina School of the Arts (continued)**

<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>43,100</b>
Exterior lighting and access improvement - campus-wide	
<b>Drainage and landscape improvements</b>	<b>150,000</b>
Drainage system repair - campus-wide	

**North Carolina State University** **4,426,022**

<b>Roof repairs and replacements</b>	<b>350,000</b>
Roof coating application - Carmichael New Gym, Harrelson Hall	
Roof repair - campus-wide	
<b>Structural repairs</b>	<b>258,000</b>
Exterior building repair - Nelson Hall, Bostian Hall, Brooks Hall, Bell Tower	
<b>Repairs and renovations to meet Federal and State standards</b>	<b>8,500</b>
Repair - North Courtyard	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>1,309,500</b>
Heating, ventilation and air-conditioning system renewal -Biological Resources Facility, Toxicology Building, Kilgore Hall	
Heating, ventilation and air-conditioning system repair - campus-wide	
Heating, ventilation and air-conditioning system replacement - campus-wide	
Elevator control replacement - Hillsborough Building	
Elevator repair - campus-wide	
<b>Improvements to meet fire safety needs</b>	<b>212,000</b>
Electrical panel replacement - Polk Hall	
Sprinkler system installation - Sullivan Hall	
Fire alarm panel replacement - Jordan Hall	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>442,848</b>
Heating, ventilation and air-conditioning control system replacement - College of Textiles, Research IV, Poe Hall	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>15,000</b>
Asbestos containing material removal - campus-wide	
<b>Improvements and renovations to improve the use of existing space</b>	<b>935,000</b>
Renovation - campus-wide	
Telecommunication system improvement - 512 Brickhaven	
Building repair - campus-wide	
Ceiling replacement and finishes repair - Peele Hall	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>895,174</b>
Walk, curb, paver and dumpster pad repair - campus-wide	
Exterior lighting renovation - North Campus	
Infrastructure repair - North Plaza	
Road repair - McKimmon Center (service drive)	
Central utilities connection - Peele Hall, Administrative Services II	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2004 Repairs and Renovations Projects - Attachment 9**

<b>The University of North Carolina at Asheville</b>	<b>742,100</b>
<b>Roof repairs and replacements</b>	<b>305,000</b>
Roof replacement - Ramsey Library, Robinson Hall (design only)	
<b>Structural repairs</b>	<b>30,000</b>
Structural repair study - Lipinsky Hall	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>407,100</b>
Road resurfacing and walk repair - campus-wide	
<b>The University of North Carolina at Chapel Hill</b>	<b>5,165,922</b>
<b>Roof repairs and replacements</b>	<b>1,310,000</b>
Roof replacement - campus-wide	
<b>Structural repairs</b>	<b>250,000</b>
Foundation water-proofing - Former YMCA Building	
Metal roof framing repair - Art Studio Building	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>2,295,922</b>
Central heating, ventilating and air-conditioning system installation - Former YMCA Building	
Plumbing system replacement - Former YMCA Building	
Lighting and electrical distribution system renewal - Former YMCA Building	
Heating, ventilation and air-conditioning system replacement - 208 W. Franklin Street	
Elevator control replacement - Mary Ellen Jones Building, Hamilton Hall	
Emergency generator replacement - campus-wide	
Heating, ventilation and air-conditioning system replacement and fire protection installation (advanced planning only) - Davis Library	
Heating, ventilation and air-conditioning system repair - campus-wide	
Emergency generator code analysis (study in conjunction with Department of Insurance)	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>625,000</b>
Americans with Disabilities Act compliance renovation - Thurston Bowles Building	
Americans with Disabilities Act compliance renovation - campus-wide	
<b>Improvements to meet fire safety needs</b>	<b>275,000</b>
Fire sprinkler system installation - Former YMCA Building	
Fire alarm system installation - Electrical Distribution Center, Nash Hall, Surplus Property Warehouse	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>200,000</b>
Automatic door replacement - Ambulatory Care Center	
Air compressor replacement for building control system - Thurston-Bowles Building	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>160,000</b>
Underground fuel tank replacement - Morehead Chemistry Labs, Giles F. Horney Building, Security Services Building	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>50,000</b>
Road resurfacing - Friday Center Drive	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2004 Repairs and Renovations Projects - Attachment 9**

<b>The University of North Carolina at Charlotte</b>	<b>1,408,200</b>
<b>Roof repairs and replacements</b>	<b>1,195,000</b>
Roof replacement - Rowe Building, Burson Building	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>150,000</b>
Boiler replacement - Burson Building	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>63,200</b>
Road repair - campus-wide	
<b>The University of North Carolina at Greensboro</b>	<b>1,930,800</b>
<b>Improvements and renovations to improve the use of existing space</b>	<b>1,930,800</b>
Renovation - McNutt Building	
<b>The University of North Carolina at Pembroke</b>	<b>687,700</b>
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>282,700</b>
Emergency generator installation - Business Administration Building, Education Center, Chavis University Center	
Heating, ventilation and air-conditioning system repair - campus-wide	
Electrical system repair - campus-wide	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>25,000</b>
Exterior lighting replacement	
<b>Improvements and renovations to improve the use of existing space</b>	<b>380,000</b>
Renovation - Pinchbeck Building	
Interior renovation - campus-wide	
<b>The University of North Carolina at Wilmington</b>	<b>876,700</b>
<b>Roof repairs and replacements</b>	<b>40,000</b>
Roof repair - campus-wide	
<b>Structural repairs</b>	<b>120,900</b>
Lecture room floor repair and seating replacement	
<b>Repairs and renovations to meet Federal and State standards</b>	<b>393,800</b>
Storm water system repair - campus-wide	
Occupational Safety and Health Administration required dust collection system renovation	
Occupational Safety and Health Administration required chemical storage area renovation	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>155,000</b>
Heating, ventilation and air-conditioning system repair - campus-wide	
Emergency generator replacement - campus-wide	
Electrical and plumbing system repair - campus-wide	
<b>Improvements to meet fire safety needs</b>	<b>110,000</b>
Emergency lighting and notification improvement - campus-wide	
Exit door hardware replacement - campus-wide	
<b>Improvements to existing facilities for energy efficiency (cost recovery)</b>	<b>33,000</b>
Electric, gas and water meter installation - select buildings	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>24,000</b>
Road, walk and drive repair - campus-wide	

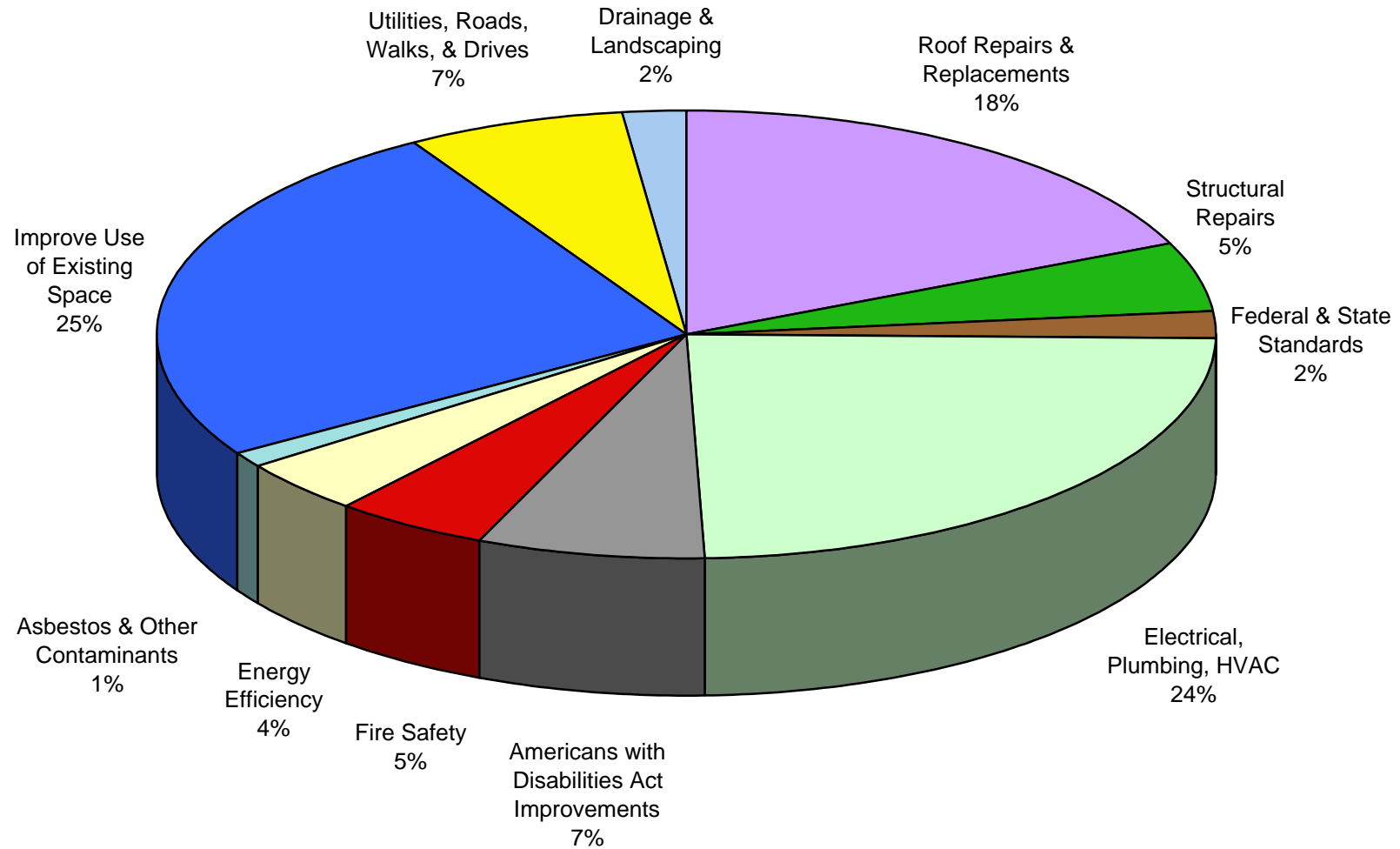
**THE UNIVERSITY OF NORTH CAROLINA**  
**2004 Repairs and Renovations Projects - Attachment 9**

<b>Western Carolina University</b>	<b>966,900</b>
<b>Roof repairs and replacements</b>	<b>163,500</b>
Roof replacement - Breese Gymnasium	
<b>Structural repairs</b>	<b>35,000</b>
Exterior building repair - Moore Building	
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>535,000</b>
Boiler replacement - Ramsey Activity Center	
Cooling tower repair and chiller replacement - Reid Gymnasium	
Cooling tower replacement - H.F.Robinson Administration Building	
<b>Improvements and renovations to improve the use of existing space</b>	<b>193,400</b>
Renovation - campus-wide	
<b>Improvements to roads, walks, drives and utilities infrastructure</b>	<b>40,000</b>
Steam distribution system replacement - Forsyth Building	
 <b>Winston-Salem State University</b>	 <b>643,100</b>
<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems</b>	<b>643,100</b>
Steam distribution system repair - campus-wide	
Chilled water distribution system extension - Hill Hall	
 <b>TOTAL</b>	 <b>25,085,144</b>



**THE UNIVERSITY OF NORTH CAROLINA**

**2004 Repairs and Renovations by Category - Attachment 10**



**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

<b>Appalachian State University</b>	<b>38,535,000</b>
<b>Roof repairs and replacements</b>	<b>1,200,000</b>
Kerr Scott Hall, Founders Hall, University Hall, Water Plant, and Raley Hall	
<b>Structural repairs</b>	<b>3,200,000</b>
Exterior Wall Repairs – Varsity Gymnasium, Wey Hall, Kerr Scott Hall, and Kidd Brewer Stadium	
Masonry Repairs and Waterproofing – Raley Hall, Wey Hall, Farthing Auditorium, Belk Library, and D.D. Dougherty Hal	
<b>Repairs and renovations to meet federal and state standards</b>	<b>3,975,000</b>
Water Distribution System Repair and Replacement	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>5,550,000</b>
Replace Transfer Switch and Generator – Sanford Hall	
Upgrade Electrical System – Physical Plant Administration Building	
Replace HVAC System – Farthing Auditorium	
Replace Lighting Systems –Farthing Auditorium, Broyhill Music Building, Sanford Hall, Belk Library, Kerr Scott Hall, and Raley Hal	
Replace HVAC System– Sanford Hal	
Replace HVAC System – Belk Library	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>4,600,000</b>
Elevator Additions/Upgrades for Farthing Auditorium, Kidd Brewer Stadium, Wey Hall, Sanford Hall and Raley Hal	
Rivers Street Pedestrian Bridges	
<b>Improvements to meet fire safety needs</b>	<b>5,060,000</b>
Install Sprinkler Systems – B.B. Dougherty, Walker Hall, Kerr Scott Hall, Wey Hall, Sanford Hall, Broyhill Music Building, Raley Hall, Farthing Auditorium, University Hall, and Rankin Science Building (old)	
Install Addressable Fire Alarm Systems – Broyhill Music Building and Raley Hall	
<b>Improvements to existing facilities for energy efficiency</b>	<b>1,850,000</b>
Chiller Replacements – Broyhill Continuing Education Center, Wey Hall, and Raley Hall	
Window Replacements – Kerr Scott Hall, Sanford Hall, Comprehensive Clinic, and University Hal	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>1,800,000</b>
Underground Storage Tank Removal/Replacement	
Asbestos Abatement Program Continuation (campus wide); Black mold mitigation (campus wide)	
<b>Improvements and renovations to improve use of existing space</b>	<b>3,550,000</b>
Classroom Upgrades – Campus-wide	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>3,500,000</b>
Campus Streets and Walks Repairs and Replacements	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**Appalachian State University (continued)**

**Drainage and landscape improvements 4,250,000**

Major Stream Restoration – Campus-wide Landscape Improvement;  
Flood Mitigation  
Replacement and Upgrade of Storm Drainage System – Campus-wide

**East Carolina University 61,635,000**

**Roof repairs and replacements 3,533,000**

Roof Replacements on Health Sciences Campus – Brody, Biotech,  
Lakeside Annexes 4 & 5, MRI, Utility Plant, West Academic  
Building, Leo Jenkins, Pavilion  
Roof Repairs and Replacements on Main Campus – Ragsdale,  
Spilman, Messick, Rawl, Joyner Library, Ward Sports  
Medicine, Irons, Willis, Speight

**Structural repairs 8,865,000**

Masonry Repair and Building Envelope Repairs on Main  
Campus – Brewster, Howell, Fletcher Music, Austin,  
Speight, Rawl, Bate, Jenkins Art  
Masonry Repair and Building Envelope Repairs on Health  
Sciences Campus  
Window Replacements – Whichard, Graham, Messick, Bloxton,  
Eller, and Mamie Jenkins  
Floor/Roof Repairs – Main Campus Steam Plant  
Repair Ceiling – Wright Auditorium

**Repairs and renovations to meet federal and state standards 117,000**

Sewer Cross Connection Repairs

**Repairs to electrical, plumbing and heating, ventilating,  
and air-conditioning systems 39,310,000**

Building HVAC Repairs on Main Campus – Fletcher Music Recital  
Hall, Brewster, Austin, McGinnis, Cotanche, Ragsdale, Jenkins  
Art, Speight, Wright, Wright Annex, Rawl, Spilman, Joyner West  
Steam Distribution System Repairs  
Steam Distribution System Replacement – Bate to River  
Steam Distribution System – New Steam Lines  
Steam Plant Fuel Oil Tank Replacement  
Electrical Distribution Upgrades – Phase III  
Upgrade Elevators – Health Sciences Campus  
Elevator Repairs – Main Campus – Brewster, Howell  
Campus Backflow Preventer Installations  
Campus Building Plumbing Repairs – Ragsdale, Wright,  
Chancellor's Residence, Spilman, Graham, Minges,  
Warehouse, Mamie Jenkins, Rawl, Fletcher Music, Howell  
HVAC Upgrades – Health Sciences Campus  
Upgrade Chillers – Health Sciences Campus  
Lighting Safety Improvement – Mall Area  
Building Electrical Repairs – Austin, McGinnis, Jenkins Art,  
Brewster, Spilman, Eller, Mamie Jenkins, Whichard,  
Warehouse, Taylor-Slaughter, and Irons  
Upgrade No. 1 Boiler – Health Sciences Campus  
Electrical Upgrades – Health Sciences Campus

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**East Carolina University (continued)**

**Repairs to electrical, plumbing and heating, ventilating,  
and air-conditioning systems (continued)**

Emergency Generator Upgrades – Health Sciences Campus  
Connect to Central Chilled Water Plant – Brewster, Austin,  
Speight, McGinnis, Rawl, Whichard, Wright, Spilman, Graham  
Central Chiller Plant – Chiller Additions  
Replace Chilled Water Coils – Health Sciences Campus  
Upgrade Ultrapure Water System – Health Sciences Campus  
Replace Heat Wheels – Health Sciences Campus

**Improvements to meet the requirements of the Americans with  
Disabilities Act** **2,277,000**

Elevator Additions – Graham, Spilman, Ragsdale, Whichard

**Improvements to meet fire safety needs** **2,246,000**

DOI Renovations – Graham, Spilman, Ragsdale, Eller, Taylor–  
Slaughter, Messick, Fletcher Music  
Install Fire Alarms – Graham, Speight  
Upgrade Fire Alarm System to Addressable – Health Sciences  
Campus  
ADA/DOI Upgrades – Health Sciences Campus  
Fire Sprinkler System Installation – Fletcher Music, McGinnis, Old  
Cafeteria, Wright Annex, Materials Management, Irons

**Improvements to existing facilities for energy efficiency** **200,000**

Upgrade of Lighting and Equipment for Energy Efficiency

**Improvements to remove asbestos, lead paint, and other  
contaminants, including the removal and replacement of** **150,000**

**underground storage tanks**

Asbestos Removal

**Improvements and renovations to improve use of existing space** **2,671,000**

Upgrade Classrooms – Health Sciences Campus  
Renovate Brody Auditorium – Health Sciences Campus  
Security Upgrades – Health Sciences Campus  
Upgrade Academic Buildings – Health Sciences Campus  
Electronic Door Access Project

**Improvements to roads, walks, drives, utilities infrastructure** **836,000**

Repaving of Founders Drive, Ormond Way, Minges Service Drive,  
Faculty Way, Steam Plant Service Drive, Willis Service Drive,  
Duncan Court, Dowell Way, Tyler/Belk Drive, Trustees Way,  
Chancellors Way, Beckwith Drive, Ficklen Drive, Leary Court,  
Warehouse Service Drive  
Remove Alumni Drive – Flanagan

Pavement Replacement and Repair – Health Sciences Campus

**Drainage and landscape improvements** **1,430,000**

Repair/Replace Storm Drains – Spilman/Bate, Wright/  
Ragsdale, Brewster, Cotton, Slay, Austin, McGinnis,  
Garrett, Harrington Field  
Stormwater Retention Pond Remediation – Health Sciences Campus  
Repair Lake Laupus Area  
10th Street North – Pedestrian Crossing

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

<b>Elizabeth City State University</b>	<b>17,221,000</b>
<b>Roof repairs and replacements</b>	<b>984,000</b>
Roof Replacement – Vauhgan – Gym Area	
Replace Miscellaneous Small Building Roofs	
Replace Little Library Roof – Stacks Area	
Replace Roofs – Thorpe & Griffin	
<b>Structural repairs</b>	<b>2,115,000</b>
Replace Exterior Entrance Doors – 7 Buildings	
Repair and Replace Gymnasium Bleachers	
Repair Steel Substructure – Roebuck Stadium	
Brick Repointing – 6 buildings	
Replace Roofing & Siding – Herrington House	
Structural Reinforcement – Farm House	
Replace Floor coverings – Ongoing Project	
Replace Skylights – Griffin Hall	
<b>Repairs and renovations to meet federal and state standards</b>	<b>221,257</b>
Correct Miscellaneous Immediate Deficiencies – Various Buildings	
Replace Exit/Egress Lighting, Various Buildings	
Replace Stair Treads	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>4,035,949</b>
Replace High Voltage Switches North Loop	
Renovate Laboratory Exhaust Systems, Jenkins Science Center	
Extend Chill-Hot Water Loop to Library and J.R. Jenkins	
Repair Campus Water System Cutoff Valves	
Upgrade Plumbing Pipes in Moore Hall	
Replace Old Sections of High Voltage Cable	
Replace High Voltage Switches – South Loop	
Replace Boiler – Thomas Jenkins	
Replace Sanitary Sewer Lines – Various	
Emergency Generator Repair and Replacement	
Emergency Generator – Phone and Computer Hub – Dole	
Replace Cooling Tower – Dixon	
Replace Water Source Heat Pumps – Griffin	
Water Conserving Plumbing Fixtures	
Various HVAC, Plumbing, Electrical Repairs	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>535,653</b>
Whole Campus ADA Compliance	
Replace Building Signage for ADA	
Curb and Sidewalk Handicap Access	
Additional Elevator – Moore Hall	
<b>Improvements to meet fire safety needs</b>	<b>680,345</b>
Install Sprinkler System – Moore Hall	
Construct Paint Storage Locker – Thomas Jenkins	
Replace Fire Alarm System, Little Library	
Install Sprinkler System, Little Library	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**Elizabeth City State University (continued)**

<b>Improvements to existing facilities for energy efficiency</b>	<b>1,029,874</b>
Install Electric Metering	
Upgrade E-City Generator for Load Shedding	
Install Insulated Glass – Various Older Buildings	
Systematic Upgrade of Exterior Lighting	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>590,000</b>
Buried Tank Replacement and Remediation	
Hazard Material and Hazard Waste Storage Area	
Removal of Asbestos As Discoverec	
Floor Tile Removal	
<b>Improvements and renovations to improve use of existing space</b>	<b>2,836,954</b>
Upgrade Various Classrooms	
Renovate ROTC Building	
Rehabilitate Technology Labs – Dixon Hal	
Relocate Radio Station and Tower	
Expand Card Key Access to Academic Building	
Continue Upgrade and Standardization of Locksets	
Laboratory Modifications – Changing Curriculum	
Faculty Office Upgrades – Moore Hall & Other	
Renovate Auditorium – Moore Hall	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>2,765,000</b>
Extend Campus Wall – Herrington	
Upgrade Sewage Lift Stations	
Expand Griffin Parking Lot	
Expansion of Fine Arts Parking	
Construct Parking – Human Resources	
Rebuild Parking Lots – Dixon & Thomas Jenkins	
Replace Constricted Water Lines	
Extend Campus Wall – Parkview	
Pave Student Parking – Roebuck	
Install New Campus Directional Signage	
Construct Sidewalks – South Campus Realignment	
<b>Drainage and landscape improvements</b>	<b>1,426,969</b>
Various Repairs, Roebuck Stadium	
Exterior Lighting Replacements	
Resurface Running Track	
Install Final Storm Drainage Detention	
Culvert and Storm Drainage Replacement and Repair	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

<b>Fayetteville State University</b>	<b>16,068,000</b>
<b>Roof repairs and replacements</b>	<b>1,800,000</b>
Roof Repairs and Replacements – Bryant Hall, Harris Hall, Smith Hall, Telecommunications Building, Residence Hall, School of Business and Economics, Vance Hall, Taylor Science Building, Storage Building, Rosenthal Building, Helen Chick Building, and Lilly Gymnasium	
<b>Structural repairs</b>	<b>610,000</b>
Repair Spalling Concrete Walkways – Vance Hall	
Repair Damaged Stair Towers and Brick – G.L. Butler Building	
Repair Spalling Concrete Roof Tees – Women's Gym	
Repair Spalling Walkway Connector – Bryant Hall	
Exterior Brick, Masonry Repairs, and Waterproofing – Barber Building, Collins Building, and G. L. Butler Building	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>2,395,000</b>
Chiller Replacements – School of Business and Economics	
HVAC System Replacement – Taylor Science Building	
HVAC System Replacement – Continuing Education Building	
Install Return Air System – Rosenthal Building	
Install New Chiller – Collins Building and Chesnutt Library	
Install New Air Handling Units – Helen Chick Building	
Install New Plumbing – Bryant and Vance Halls	
Remove Sinks From Student Rooms – Smith and Joyner Hall	
Install Pressure Reducing Valves – Selected Buildings	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>665,000</b>
Update ADA Study Based on Code Revisions	
Install Elevators – Collins Building, Bryant Hall, Vance Hall, Joyner Hall, Smith Hall, Harris Hall, and Hood Hall	
Modify Restrooms to Provide Accessibility	
Modify Drinking Fountains	
<b>Improvements to meet fire safety needs</b>	<b>1,650,000</b>
Sprinkler System Installations – Helen Chick and Lyons Science Buildings	
Replace Fire Alarms – Lyons Science Building	
Replace Fire Alarms – School of Business and Economics	
Install Central Monitoring System for Fire Alarms and Connect all Campus Buildings	
Sprinkler Installations – 2 Residence Halls	
<b>Improvements to existing facilities for energy efficiency</b>	<b>808,000</b>
Expand and Upgrade Energy Management System	
Install Lighting Control Systems and Energy Efficient Lighting	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**Fayetteville State University (continued)**

**Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks** **725,000**

Removal of 10 Underground Storage Tanks  
Lead Paint Abatement – Joyner, Smith, Harris, and Hood Hall  
Miscellaneous Asbestos Abatement  
Construct Environmentally Compliant Vehicle Wash Rack

**Improvements and renovations to improve use of existing space** **3,125,000**

Upgrade Interior and Exterior Signage  
Interior Renovations – Telecommunications Building, Helen  
Chick Building, School of Business and Economics, G. L. Butler  
Building, Rosenthal Building and Facilities Maintenance Building  
Renovate Interior Space – Lyons Science Building  
Renovate Interior Space – Mitchell Building

**Improvements to roads, walks, drives, utilities infrastructure** **3,380,000**

Waterline Extension and Replacement  
Install Back Flow Prevention  
Gas Main Repairs – Replace Cathodic Protection Device  
Electrical System Upgrades  
Utility Relocations  
Replace Concrete and Brick Walkways  
Parking Lot Expansion – Various  
Overlay Parking Lot K  
Emergency Generators – Student Center Dining Facility, Butler  
Building, Chestnut Library, Telecommunication Building,  
Spaulding Infirmary and Residence Halls  
Exterior Lighting Improvement  
Demolish Police and Public Safety Building  
Construct Road Section to Connect Library to Langdon Street  
Upgrade and Replace Emergency Call Box System

**Drainage and landscape improvements** **910,000**

Landscape Master Plan  
Repair Storm Drainage System  
Plant Buffer Along Railroad Tracks  
Upgrade and Replace Campus Irrigation System  
Miscellaneous Site Improvements

**North Carolina A&T State University** **37,094,083**

**Roof repairs and replacements** **657,093**

Roof Repairs – Noble, McNair, Martena, Moore, Ward,  
Bluford, Hodgin, Dowdy, and Price

**Repairs to electrical, plumbing and heating, ventilation, and air-conditioning systems** **8,932,462**

Plumbing Repairs and Modifications – Dowdy, Bluford, Frazier, Hines  
Hodgin, Martena, Carver, and Sebastian Halls  
HVAC Modifications – Sebastian, Frazier, Nobel, Martena, and  
Brown Halls  
Security Improvements – Campus-wide  
Storm/Sanitary Sewer System Renovations – Campus-wide



**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina A&T State University (continued)**

<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>242,009</b>
Replace Elevator in Murphy Hall	
ADA Accessible Ramps – Campus-wide	
<b>Improvements to meet fire safety needs</b>	<b>57,072</b>
Brown Hall Fire Detection System Upgrade	
<b>Improvements to existing facilities for energy efficiency</b>	<b>6,777,111</b>
Window and Door Replacements – DeHuguley, Moore, 1020 Wendover, Frazier, Campbell, Carver, Hodgins, and McNair Halls	
Lighting Replacements – Marteen, McNair, Murphy, Dowdy, Corbett, Noble, and 1020 East Wendover	
Energy Management System HVAC Controls – Campus-wide	
Emergency Generators – Carver, Cherry, Barnes, Marteen, and Webb Halls	
Steam Conveyance System	
Electrical System Repair – Hodgins Hall	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>657,505</b>
Asbestos Abatement (Construction Prior to 1980) – Campus-wide	
<b>Improvements and renovations to improve use of existing space</b>	<b>18,204,976</b>
Renovation of Fort IRC Building	
Benbow Hall	
Webb Hall Animal Science	
Price Hall Annex Renovation	
Renovations – Frazier, Hines, Marteen, McNair, Price, and Sockwell Halls	
Farm Improvements	
<b>Improvements to roads, walks, drives, utilities, infrastructure</b>	<b>1,565,855</b>
Road Renovation and Sidewalk Replacement	

**North Carolina Central University** **59,347,500**

<b>Roof repairs and replacements</b>	<b>787,900</b>
Roof Repairs – Student Services Building and McDougald House	
Roof Replacements – Campus-wide	
<b>Structural repairs</b>	<b>14,475,000</b>
Exterior Walls – Walker P.E. Complex	
Building Envelope Repairs – Phase I – Chidley Residence and Fine Arts Building	
Masonry Repairs – Hoey Administration, Taylor Education, and Robinson Science	
Structural Repairs – Baynes Residence Hall and Graduate Apartments	
Repair Exterior Walls and Replace Windows – McLendon–McDougald	
<b>Repairs and renovations to meet federal and state standards</b>	<b>21,000</b>
Lighting Improvements – Walker P.E. Complex	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina Central University (continued)**

<b>Repairs to electrical, plumbing, heating, ventilating, and air-conditioning system</b>	<b>19,198,100</b>
Repairs to HVAC Systems – William Jones Building, Complex, Miller Morgan Building, and Fine Arts Building	
Install HVAC Systems – Chidley Residence and Baynes Residence Hall	
Replace Heating and Cooling System – Hoey Administration	
Upgrade Electrical and Heating Systems – Robinson Science Building and Central Receiving	
Upgrade HVAC Systems – Campus-wide	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>419,900</b>
Egress Modifications and Panic Devices – Chidley Residence	
Handicap Access Modifications – Taylor Education	
<b>Improvements to meet fire safety needs</b>	<b>1,483,200</b>
Install Sprinkler Systems – Miller Morgan, Chidley Residence, and Hoey Administration	
Improve Lighting System – Robinson Science Building	
Upgrade Fire Alarm System – McLendon–McDougald Gyn	
<b>Improvements to existing facilities for energy efficiency</b>	<b>4,263,700</b>
Chiller and Window Replacements – William Jones Building	
Upgrade HVAC System – Hoey Administration and Taylor Education	
Install Energy Efficiency System – Robinson Science Building	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>2,686,700</b>
Asbestos Abatement – William Jones Building, McLendon–McDougald, Robinson Science Building, Fine Arts Building, and Taylor Education	
<b>Improvements and renovations to improve use of existing space</b>	<b>62,000</b>
Replace Carpet – Hoey Administration and McLendon –McDougald Gyn	
Repair Elevator – Fine Arts Building	
<b>Improvements to roads, walkways, drives, and utilities infrastructure</b>	<b>7,700,000</b>
Steam Line Repairs – 60% of Campus Steam Lines	
Emergency Generators – Residence Hall	
Repair Water Lines – Campus-wide	
Street Repairs and Improvement to Grounds	
Utilities Mapping and Condition Assessment	
<b>Drainage and Landscape Improvement</b>	<b>8,250,000</b>
Replacement of Storm Drainage Lines, Building Downspouts and Gutters – Campus-wide	

<b>North Carolina School of the Arts</b>	<b>15,930,900</b>
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<b>Roof repairs and replacements</b>	<b>1,550,000</b>
Replace Roof – Pierce Building	
Reroof – Gray Building, Grounds Shop, Bailey Street Apartments, Chapel Street Housing, DeMille Theater and Film School Building	
Roof Survey – Campus-wide	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina School of the Arts (continued)**

<b>Structural repairs</b>	<b>425,000</b>
Replace Floor Slabs, Sidewalks and Stairs – Residence Halls A–F	
<b>Repairs and renovations to meet federal and state standards</b>	<b>75,000</b>
Life Safety Code Upgrades – Design and Production Building, Workplace	
Exit and Egress Lighting Upgrades – Campus-wide	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>2,939,000</b>
Replace Dimmer Lighting System – Performance Place	
Replace Motor Control Centers – Commons Building	
Upgrade Lighting & Electrical – Workplace Dance	
Replace Electrical Transformer – Commons Building	
Replace Storage Tanks – Residence Halls A–F	
Replace Panel Boards – Residence Halls A–F	
Miscellaneous Repairs – Campus-wide	
Replace Main Distribution Panel – Moore Residence Hall	
Replace Control Systems – Workplace	
Install Exterior Duct Insulation – Film School	
Replace HVAC Systems & Controls – Moore and Sanford Halls	
Replace HVAC Systems – DeMille Theater and Film School	
Electrical Repairs – Campus-wide	
Plumbing Repairs – Moore and Sanford Residence Halls	
Replace Boilers – Gray and Workplace	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>1,285,000</b>
Survey to Meet Code Revisions – Campus-wide	
Exterior and Interior ADA Projects	
Add Elevators to 8 Three-Story Residence Hall	
Elevator Additions – Pierce Building and Administration Building	
<b>Improvements to meet fire safety needs</b>	<b>1,800,000</b>
Replace Flammable Ceiling Materials with Nonflammable Materials – Design and Production Building	
Replace Non-Fire rated Glass – Workplace	
Install Fire Alarm – Props Storage	
Replace Fire Alarm Devices – Workplace Building	
Install Sprinkler Systems – Gray and Administration Buildings	
Install Additional Sprinklers – DeMille Theatre	
Install Sprinklers – Eight Residence Halls	
Complete Sprinkler System – Workplace Building	
<b>Improvements to existing facilities for energy efficiency</b>	<b>885,000</b>
Replace Windows – Residence Halls A–F, Administration, Administration Annex, and Design and Production Building, Gray Building, Workplace Building, and Performance Place	
Replace Windows – Moore & Sanford	
Replace Energy Management System – Pierce Building	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina School of the Arts (continued)**

<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>500,000</b>
Remove Three Storage Tanks	
Remove Abandoned Boilers – Gray Building	
Miscellaneous Asbestos Remediation Projects	
<b>Improvements and renovations to improve use of existing space</b>	<b>4,851,900</b>
Renovation – Pierce Building	
Exterior Renovation – Design & Production Prop Storage Building	
Improve Appearance – Moore & Sanford Hall	
Miscellaneous Renovations – Chancellor's Residence	
Replace Design and Production Shop Floor	
Replace Interior Doors and Locks – Moore and Sanford Residence Halls	
Replace Flooring – Gray Building	
Replace Stage Flooring – DeMille Theater	
Replace Furniture & Vanities – Moore, Bailey & Connector	
Renovations – Dance Costume Shop	
Replace Interior Doors and Locks – Residence Halls A–I	
Replace ID Card Door Security Readers and Latches	
Renovate & Modernize – Film Village, Four Buildings	
Improve and Modernize – Workplace West	
Improve Acoustics & Lighting – Crawford, Hood, and DeMille Theater	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>1,020,000</b>
Site Lighting	
Replace Aerial High Voltage Lines & Transformer	
Security Cameras/Telephone Areas – Moore, Sanford, and Connector	
Replace Sanitary Sewer Lines and Storm Water Line	
Repaving of Campus Roads	
<b>Drainage and landscape improvements</b>	<b>600,000</b>
Grade & Renovate Entrance Ways and Kudzu Valley	
Site Improvements	

**North Carolina State University** **\$124,020,259**

<b>Roof repairs and replacements</b>	<b>\$3,506,700</b>
Roof Replacements Phase I – Tompkins Hall, CVM East & West Barns	
Roof Replacements Phase II – D.H. Hill North Tower, Hillsborough, Weed Control, Caldwell Hall	
Roof Replacements Phase III – Carmichael, Patterson, TV Station, Primrose, Ag. Life Science, Jordan, Gardner, Harrelson	
Roof Replacements Phase IV – Morris, Field House, Erdahl Cloyd, Biltmore, Pulp & Paper, Hodges	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina State University (continued)**

<b>Structural repairs</b>	<b>\$2,780,000</b>
Concrete, Structural, & Masonry Repairs, Pointing & Caulking – Cox, Dabney, Broughton, Winston, Brooks, Caldwell, Kamphoefner, Kilgore, Peele, and Bell Tower	
Concrete, Structural, Masonry Repairs, Pointing & Caulking – Page, Poe, and Weaver	
<b>Repairs and renovations to meet federal and state standards</b>	<b>\$2,700,000</b>
DOI Safety Repairs – Campus-wide	
Cooling Tower Discharge Repairs – Campus-wide	
Waste Transfer Station Relocation – Sullivan Site	
<b>Repairs to electrical, plumbing, heating ventilating and air conditioning system</b>	<b>\$45,702,300</b>
Building Electrical Upgrades – Campus-wide	
Metering Repair & Replacement – Campus-wide	
Cooling Tower Repairs & Replacement – Grinnells, 840 Method, Scott, Dearstyne, Dabney, EGRC, Partners I, Burlington, D.H. Hill	
Chiller Replacements – Research I, Poe, Broughton, Weaver, TV Station, Dearstyne Isolation, Dearstyne Entomology, Textiles, Burlingto	
HVAC Upgrades & Repairs Phase I – Avent Ferry Complex, D.H. Hill, Pullen, McKimmon Center, Mycotoxin, Repro Physiology	
HVAC Upgrades & Repairs Phase II – Broughton, Grinnells, Weaver, McKimmon Addition, CVM Landscape	
HVAC Upgrades & Repairs Phase III – Morris, 3709 Hillsborough, Erdahl Cloyd, Brooks, Dabney	
HVAC Upgrades & Repairs Phase IV – Kamphoefner, Mann, Bureau of Mines, Weed Control, Holladay	
HVAC Upgrades & Repairs Phase V – Dearstyne, Patterson, Alumni, Biltmore, Research Building III	
HVAC Upgrades & Repairs Phase VI – Method Road Greenhouses	
Building Automation System Replacement – Campus-wide	
Emergency Generator Replacement – Hodges, Harris, Caldwell, D.H. Hill, Broughton Hall, Bostian Hall, Cates Steam Plant, Biltmore Hall, Avent Ferry Convention Center, Aquatic Lab/Pylo	
Boiler Replacement – Method, Dearstyne, Research II, Textile	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>\$1,500,000</b>
ADA Improvements – Phase 1 of 5	
ADA Improvements – Phase 2 of 5	
ADA Improvements – Phase 3 of 5	
<b>Improvements to meet fire safety needs</b>	<b>\$4,816,532</b>
Sprinkler Systems Phase I – Peele and Page Hall	
Sprinkler Systems Phase II – CVM Buildings	
Sprinkler Systems Phase III – Hillsborough, McKimmon, Administrative Services, Biltmore	
Sprinkler Systems Phase IV – Poe Hall, Burlington, Weaver, Brooks, and Alumni	
Fire Alarm Upgrades Phase I – Gardner, Cox, D.H. Hill, Jordar	
Fire Alarm Upgrade Phase II – Mann, Brooks, Caldwell, Tompkins, TV Station	
Fume Hood Repairs/Upgrades – All Laboratory Buildings	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina State University (continued)**

**Improvements to existing facilities for energy efficiency** **\$13,646,179**

Lighting Upgrades – Mann, Dabney, Gardner Addition, Gardner  
Window Replacement Phase I – Peele, Holladay, Alumni, Tompkins,  
Jordan, Broughton  
Window Replacement Phase II – Leazar, Daniels, Shaub, Patterson  
SCADA Monitoring System – Phase II – Campus-wide  
Upgrade HVAC Controls to DDC Phase I – Winston, Tompkins,  
Caldwell, Poe, Biltmore  
Upgrade HVAC Controls to DDC Phase II – Scott, Bostian, Library,  
Broughton  
High Efficiency Motor Replacement  
Water Conservation Measures

**Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks** **\$1,975,000**

Asbestos Removal for Steam Tunnel & Manhole  
D.H. Hill Asbestos Removal (West Wing)  
Asbestos Removal – Weed Control, Broughton, Weaver, Reynolds  
Coliseum, McKimmon

**Improvements and renovations to upgrade existing space** **\$23,223,348**

Paint Building Interiors  
Paint Building Exteriors  
Elevator Repairs & Code Upgrades Phase I – Polk, Harrelson,  
Kamphoefner, Caldwell  
Elevator Repairs & Code Upgrades Phase II – Hillsborough, Ricks,  
Harris, Bostian, Weaver, D.H. Hill, Phytotron, Erdah  
Classroom Improvements Phase I – Various Buildings  
Classroom Improvements Phase II – AV Infrastructure for "110"  
Classrooms to Level 3  
Classroom Improvements Phase III – AV Infrastructure for "110"  
Classrooms to Levels 1, 2, & 3  
Classroom Improvements Phase IV – Brooks Auditorium  
Refurbish Interiors and Finishes – Various Buildings  
University Field Laboratories  
Research Stations  
Millstone 4-H Center, Ellerbe, NC (Richmond County)  
Swannanoa 4-H Center, Swannanoa, NC (Buncombe County)  
Betsy-Jeff Penn 4-H Center, Reidsville, NC (Rockingham County)  
Sertoma 4-H Center, Westfield/Danbury, NC (Stokes County)  
Anita-Alta 4-H Outpost Camp, Lenoir, NC (Caldwell County)  
Betsy-Jeff Penn Wastewater Treatment System  
CVM Brick Floor Replacement  
Dumpster Pads & Screening  
Building Renovation – Bureau of Mines  
Space Upgrades for Property Acquisitions – 2806 Hillsborough,  
Brickhaven  
Telcom Wiring Upgrades – CVM Outbuilding, 3709 Hillsborough,  
Sullivan Site

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina State University (continued)**

**Historical restoration** **\$140,000**

Spring Hill House Improvements/Upgrade Electrical System

CVM Silo Restoration

CVM Barn Roof Coating

**Improvements to roads, walks, drives, utilities and infrastructure** **\$22,993,200**

CVM 15kv to 23kv Conversion

Primary Switches and Cable Replacement

Transformer and Fuse Replacement

Hot Water System Repair/Replacement

Steam System Repairs

Upgrade Campus Storm Water System

Sewer Line Repairs Including CVM

Domestic Water Line and Valve Replacement

Central Boiler Plant Renovations – Yarbrough, Cates

Road Repaving and Repairs – Dunn, Yarbrough, Stinson, Service,

Warren Carroll

Sidewalk Repairs

CVM Swine Lagoon Replacement

Street and Walkway Lighting Upgrades for Safety

Electrical Upgrade – Sullivan Drive Site

**Drainage and landscape improvements** **\$1,037,000**

Foundation Waterproofing – Polk and Kilgore

Campus Landscape Improvements

Campus Irrigation Improvements – Court of North Carolina, Centennial

EGRC Elevator Shaft Waterproofing

**The University of North Carolina at Asheville** **4,452,240**

**Roof repairs and replacements** **550,000**

Replace Roofs, Two Buildings

**Repairs and renovations to meet federal and State standards** **200,000**

Renovate Phillips Hall to Include ADA Elevator

**Repairs to electrical, plumbing, ventilating, and HVAC systems** **1,152,240**

HVAC Systems & Indoor Air Quality Upgrade – Phase I

Upgrade Direct Digital Controls, Three Buildings

Campus Primary Electrical Upgrade Phase V

**Improvements to meet fire safety needs** **100,000**

Upgrade Fire Alarm System, Karpen Hall (design only)

**Improvements and renovations to improve use of existing space** **1,550,000**

Renovation to Administrative/Academic Buildings

**Improvements to roads, walks, drives, utilities infrastructure** **550,000**

Improvements to roads, walks, drives, utilities infrastructure

**Drainage and landscape improvements** **350,000**

Repair Drainage and Erosion Control

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Chapel Hill** **\$146,664,145**

**Roof repairs and replacements** **\$10,588,882**

Replace Built-up Roof – 134 1/2 E. Franklin Street  
Slate Roof Replacement (1939 Copper Historic) – Alumni Hall  
Roof Replacement/Structural Repairs – Art Studio  
Replace Single Ply EPDM Roof Sectors – Aycock Family Medicine  
Roof Replacements – Battle, Vance, and Pettigrew Halls  
Roof Restoration (1929 Slate) – Bingham Hall  
Slate Roof Restoration – Carr Building  
Roof Replacement – Carroll Hall  
Slate Roof Restoration – Albert & Gladys Coates Building  
Slate Roof Restoration – Coker Hall  
Roof Replacement (1983 Ballasted Single Ply Sectors) – Davis Library  
Low Roof Replacement – Dental School Office Building  
Roof Replacement (1981 Low Slope Built-up Roof Sectors) – Fetzer  
Gymnasium  
Replace Kennel Roof and Structure – Francis Owen Blood Research  
Roof Replacement – Francis Owen Blood Research  
Roof Replacement (1982 Low Slope Built-Up Roof Sectors) – Hanes  
Art Center  
Clay Tile Roof Restoration – Hill Hall 1907 & 1930 Wing  
Roof Replacement (1978 Low Slope Built-Up Sectors) – Hill Hall 1907  
Original Wing  
Roof Replacement – Knapp Building 1956 Wing  
1984 Wing Roof Replacement – Lineberger Cancer Research Center  
Slate Roof Restoration – MacNider Hall  
Slate Roof Replacement/Restoration – Mitchell Hall  
Roof Replacements – MRI Facility  
Roof Replacement – New East  
Slate Roof Restoration – Old Clinic  
Roof Replacement (1978 Low Slope Built-Up Sector) – Paul Green  
Theater  
Roof Replacement Original Wing (Clay Tile 1914) – Swain Hall  
1968 Low Roof Replacement – Van Hecke-Wettach Hall

**Structural repairs** **\$2,421,869**

Reset Window Surrounds – Alumni Hall  
Masonry Repairs – Battle, Vance, & Pettigrew Halls  
Re-caulk Vertical & Horizontal Joints – Berryhill Hall  
Re-caulk Stone Masonry – Caldwell Hall  
Re-point Mortar Joints – Carr Building  
Re-caulk Vertical & Horizontal Joints – Davis Library  
Stone & Brick Masonry Restoration – Hill Hall  
Masonry Restoration/Repair – Howell Hall  
Limestone and Sandstone Foundation and Window Sill  
Replacement and Repairs – New East  
Masonry Restoration – Person Hall  
New Perimeter Drain and Waterproofing System – Wilson Library



**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

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

<b>Repairs to electrical, plumbing and heating, ventilating and air-conditioning system</b>	<b>\$102,087,264</b>
Provide Central HVAC System – 210 Pittsboro Street	
Replace Chiller, Provide Variable Frequency Drives, Testing and Balancing – Aycock Family Medicine	
High-Bay HVAC Systems – Bailey Environmental Research Lab	
Central HVAC System – Bingham Hall	
Replace Plumbing – Bingham Hall	
Replace Plumbing System – Brinkhouse-Bullitt	
Central HVAC Systems – Bynum Hall	
Replace Plumbing – Bynum Hall	
Provide Central HVAC Systems – Caldwell Hall	
HVAC for Arena – Carmichael Auditorium	
HVAC for Concourse & Perimeter Offices – Carmichael Auditorium	
Interior Lighting Upgrade – Carmichael Auditorium	
Renovate Restrooms and Replace Plumbing – Carmichael Auditorium	
Replace Branch Circuit Wiring – Carmichael Auditorium	
Replace Main Switchgear – Carmichael Auditorium	
Replace Panels – Carmichael Auditorium	
Replace Women's Basketball Team Lounge and Locker HVAC System – Carmichael Auditorium	
Upgrade Generator – Carmichael Auditorium	
Central HVAC Systems – Carr Building	
Replace Plumbing – Carr Building	
Comprehensive Electrical Renovation – Albert & Gladys Coates Building	
HVAC Renovation – Albert & Gladys Coates Building	
Replace Plumbing – Albert & Gladys Coates Building	
HVAC Renovation – Davis Library	
Replace Lab Vacuum Pumps – Dental Research	
Comprehensive Electrical Renovation – Dey Hall	
Renovate HVAC Systems – Dey Hall	
Replace HVAC Systems – Francis Owen Blood Research	
Replace Kennel Floor Drains and Drain Piping – Francis Owen Blood Research	
Lighting System Replacement – Frank Porter Graham Child Development Center	
Replace HVAC Systems – Frank Porter Graham Child Development Center	
Replace Air Handling Units, Testing, and Balancing – Friday Center	
Lighting System Replacement – Gardner Hall	
Provide Central HVAC Systems – Gardner Hall	
Replace HVAC System – Hamilton Hall	
Improve Main HVAC System – Hanes Art Center	
Provide Central HVAC Systems – Hickerson House	
Heating Hot Water Filters, Testing, and Balancing, VFD – Hill Alumni	
Ducted HVAC System – Hill Hall Annex	
Replace Plumbing – Hill Hall Annex	
Electrical Improvements – Howell Hall	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

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

**Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems  
(continued)**

Electrical Renovations – Jackson Hall  
Original Wing HVAC Replacement – Jackson Hall  
Renovate Restrooms and Plumbing – Jackson Hall  
Lighting System Replacement – Kenan Laboratories  
HVAC Modifications – Kenan Laboratories  
Air Handling Unit Modifications – Lineberger Cancer Research  
Roof Top Exhaust Fan & Ductwork Replacement – Lineberger  
Cancer Research  
Lighting System Replacement – MacNider Hall  
Replace HVAC AHU's, Provide VAV-Reheat Boxes, New HHW  
System – MacNider Hall  
Replace Main Switchgear – MacNider Hall  
Comprehensive Electrical Renovation – Mary Anne Smith Building  
Replace Branch Valving – Mary Ellen Jones  
Replace Four Domestic Hot Water Heat Exchangers – Mary Ellen Jones  
Replace HVAC System – Mary Ellen Jones  
Lighting System Replacement – MBR/Glaxo Building  
Emergency Generator – MBR/Glaxo Building  
Replace HVAC and Exhaust Systems – MBR/Glaxo Building  
Replace HVAC Systems – Medical Research Building A  
HVAC Replacement – Medical School Wings B, D, and E  
Provide Central HVAC Systems – Miller Hall  
Renovate Restrooms and Replace Plumbing – Miller Hall  
Replace Plumbing – Miller Hall  
Replace Distilled Water Piping – Morehead Chemistry Labs  
Lighting System Replacement – Morehead Planetarium  
Replace Original Wing HVAC Systems – Morehead Planetarium  
Replace Original Wing Plumbing – Morehead Planetarium  
Upgrade Branch Wiring and Panels – Morehead Planetarium  
Replace HVAC System – MRI Facility  
Provide Central HVAC Systems – Nash Hall  
Renovate Restrooms and Replace Plumbing – Nash Hall  
Replace Plumbing – Nash Hall  
Lighting System Replacement – Paul Green Theatre  
HVAC Renovation – Paul Green Theatre  
Central HVAC System – Phillips Annex  
Replace Plumbing – Phillips Annex  
Replace Main Electrical Breaker in Switchgear – Kenan Laboratories  
Replace Original Branch Circuit Wiring – Gardner Hall  
Replace Original Branch Circuit Wiring and Devices – Carmichael  
Auditorium  
Replace Admin and Locker HVAC Systems – Smith Center  
Replace Natatorium Pool Area HVAC System – Smith Center  
Replace Pool Filtration and Backwash System – Smith Center  
Upgrade Lighting – Smith Center

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

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

**Repairs to electrical, plumbing and heating, ventilating and air-conditioning systems  
(continued)**

Install New Central HVAC System – Smith Hall  
Central HVAC Systems – Swain Hall  
Replace Plumbing – Swain Hall  
Air Handling Unit Modifications – Tate–Turner–Kuralt Building  
Lab Ventilation Rehabilitation – Thurston Bowles  
Replace Main Switchgear – Van Hecke–Wettach  
Upgrade Branch Circuit Wiring – Van Hecke–Wettach  
Replace HVAC System and Related Projects – Van Hecke–Wettach  
Gas Fired Preheaters & Humidifiers – Wastewater Research  
Air Handling Unit Modifications – Wilson Library

**Improvements to meet the Requirements of the Americans with Disabilities Act** **\$2,352,955**

Continuation of ADA Program – Campus-wide  
Install New Elevator – Smith Hall  
Construct New Restrooms – Smith Hall  
Install New Elevator – Howell Hall  
Upgrade Restrooms for ADA Accessibility – Peabody Hall  
Install New Elevator – Mary Anne Smith Building  
ADA Site Accessibility Improvements – Knapp Building & Van Hecke–  
Wettach

**Improvements to meet fire safety needs** **\$15,835,103**

Install Fire Sprinkler System – Art Studio Building  
Correct Exit Enclosure Deficiencies – Bingham Hall  
Install Fire Sprinkler System – Bingham Hall  
Correct Life/Fire Safety Deficiencies – Bynum Hall  
Install Fire Sprinkler System – Bynum Hall  
Install Fire Sprinkler System – Caldwell Hall  
Install Fire Alarm – Carmichael Auditorium  
Install Fire Sprinkler System for Offices & Concourse –  
Carmichael Auditorium  
Install Fire Sprinkler System – Carr Building  
Install Fire Sprinkler System – Carrington Hall  
Install Fire Alarm – Albert & Gladys Coates Building  
Repairs to Fire Escapes – Albert & Gladys Coates Building  
Install Fire Sprinkler System – Albert & Gladys Coates Building  
Replace Fire Alarm – Davis Library  
Install Fire Sprinkler System – Dey Hall  
Install Fire Alarm – Electrical Distribution Center  
Access Improvements – Fire Lane  
Install Fire Sprinkler System – Frank Porter Graham Child Dev. Center  
Install Fire Sprinkler Protection – Gardner Hall  
Install Fire Alarm – Giles F. Horney Annex  
Replace Fire Alarm – Hanes Art Center  
Install Fire Sprinkler Protection – Howell Hall  
Install Fire Alarm – Hickerson House  
Install Fire Sprinkler System – Jackson Hall

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

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

**Improvements to meet fire safety needs (continued)**

Install Fire Sprinkler Protection – Kenan Laboratories  
Install Fire Sprinkler System – MBR/Glaxo  
Install Fire Sprinkler Protection – MacNider Hall  
Replace Existing Fire Alarm – McGavran–Greenberg  
Install Fire Alarm – Medical Research A  
Install Fire Sprinkler System – Morehead Addition  
Install Fire Sprinkler System for Original Wing – Morehead Planetarium  
Install Fire Alarm – Nash Hall  
Replace Fire Alarm – Phillips Hall  
Install Fire Alarm – Surplus Property Warehouse  
Install Fire Alarm – Swain Hall  
Install Fire Sprinkler System – Van Hecke–Wettach Hall  
Install Fire Sprinkler Protection – Wilson Library  
Install Fire Alarm – Woollen Gymnasium

**Improvements to existing facilities for energy efficiency**

**\$8,847,443**

Window Replacement – Battle, Vance & Pettigrew Hall  
Window Replacement – Beard Hall Original Building  
Aluminum Window Replacement – Berryhill Hall  
Window Replacement – Bingham Hall  
Aluminum Window Replacement – Brauer Hall  
Window Replacement – Caldwell Hall  
Wood Window Replacement (Original Building) – Carroll Hall  
Window Replacement – Albert & Gladys Coates Building  
Window Replacement – Davie Hall North  
Window Replacement – Davie Hall South  
Window Replacement – Dey Hall  
Window Replacement – FPG Child Development Center  
Window Replacement – Frances Owen Blood Research Lab  
Window Replacement – Gardner Hall  
Window Replacement – Giles F. Horney Building (1962 Wing)  
Window Replacement – Hill Hall 1907 & 1930 Building  
Window Replacement – MacNider Hall  
Window Replacement – Mary Anne Smith Building  
Window Replacement – Medical School Wings "B, D, E & F"  
Window Replacement – Mitchell Hall  
Window Replacement – MRI Facility  
Window Replacement – Peabody Hall  
Window Replacement – Phillips Hall 1960 Addition  
Window Replacement – Swain Hall  
Window Replacement – Woollen Gymnasium (Gym & Head House)

**Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks**

**\$701,186**

Remove Asbestos and Lead Paint – Smith Hall  
Remove Five Underground Steel Fuel Tanks & Replace with Above Ground Tanks – Giles F. Horney Building, Mary Ellen Jones, Morehead Chemistry Labs, North Side Chiller, Security Services Building

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

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

<b>Improvements and renovations to improve use of existing space</b>	<b>\$3,529,443</b>
Re-key Interior Doors – Alumni Hall, Ambulatory Care Center, Carolina Living and Learning, Morehead Labs, Wilson Library, Medical School Wings A–F, Horney Building, and McGavran–Greenberg	
Replace Motor–Driven Blackboards in Rooms 141, 142, and 143 – Carroll Hall	
Interior & Exterior Repairs/Replacements – Smith Hall	
Interior Space Restoration – Smith Hall	
Interior Space Renovation – Mary Anne Smith Building	
Construct Restrooms to Code Requirements – Gerrard Hall	
Interior Renovation of Spaces including the Public Administration Offices – Knapp Building	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>\$300,000</b>
Replace and Repair Brick Walks – Academic Affairs Campus	
Replace and Repair Brick Walks – Health Affairs Campus	

**The University of North Carolina at Charlotte** **41,833,045**

<b>Improvements to meet fire safety needs</b>	<b>3,979,532</b>
Fire Detection System Upgrade – Colvard	
Fire Detection System Replacement – Bursor	
Fire Sprinkler System – Kennedy	
Fire Detection System Upgrade – Kennedy	
Fire Detection System Upgrades – Academic Complex	
Fire Detection System Upgrade – Reese	
New Sprinkler System – Physical Science Building	
New Sprinkler System – Friday Building	
New Sprinkler System – Smith Building	
Fire System Upgrade – Reese	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>7,840,390</b>
Steam Distribution Replacement – Phase 1	
Replace Obsolete High Voltage Oil Switches	
Steam Distribution Replacement – Phase 2	
Campus Road Repair	
Campus Emergency Phones	
Steam Distribution Replacement – Phase 3	
Traffic Improvement – East Deck	
Road Upgrade – Mary Alexander	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning system</b>	<b>18,582,373</b>
Hot Water Piping – Academic Complex	
HVAC Upgrade – Kennedy	
HVAC Upgrade – Smith	
HVAC Upgrade – Barnard	
Electrical System Upgrades for Code Issue – Academic Complex	
HVAC Upgrade – Garinger	
HVAC Upgrade – Denny	
Lighting and HVAC – Belk Pool	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Charlotte (continued)**

**Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems  
(continued)**

HVAC Upgrade for Energy Efficiency – Colvard  
Mechanical/Electrical Upgrade – Library  
HVAC Upgrade for Energy Efficiency – Friday  
HVAC Upgrade – Reese Building  
Boiler Upgrade for Energy Efficiency – Burson  
Chiller Replacement – Cameron, Burson, and Friday  
HVAC Upgrade – Brockner Building  
Air Conditioning for Energy Efficiency – Belk  
Hot Water System Upgrade for Energy Efficiency – Colvard  
HVAC Upgrade for Energy Efficiency – Atkins  
HVAC Upgrade – COA

**Structural repairs** **4,591,494**

Recladding Project – Dalton Tower  
Structural Repairs – Cone Exterior Plaza

**Roof repairs and replacements** **3,421,401**

Repair Project – Library  
Roof Replacement – Academic Complex  
Roof Replacement – Kennedy  
Roof Replacement – Rowe Arts  
Campus Roof Replacement  
Roof Replacement – Atkins  
Roof Replacement – Smith  
Roof Replacement – Physical Science

**Repairs and renovations to meet federal and state standards** **1,302,246**

Code Correction Upgrade – Reese

**Improvements to meet the requirements of the Americans** **359,133**

**with Disabilities Act**

ADA Correction – Reese  
ADA Correction – Campus-wide

**Improvements to existing facilities for energy efficiency** **1,756,476**

Campus Window Replacement and Recaulking  
Lighting Upgrade – Campus-wide  
Utility Monitoring System – Campus-wide

**The University of North Carolina at Greensboro** **59,449,115**

**Roof repairs and replacements** **7,187,470**

Roof Replacements – Carmichael, Ferguson, Sink, Faculty Center,  
Grounds Shop, Warehouse, Mossman, Financial Aid, and Campus  
Police  
Roof Maintenance – Campus-wide  
Sealants Maintenance – Campus-wide  
Walkway Repairs – Elliott University Center and Faculty Center  
Parapet Walls – Eberhart  
Roof Replacement Phase II – 2–Court Gym and 3–Court Gym  
Roof Replacement Phase III – Coleman Building

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Greensboro (continued)**

<b>Structural repairs</b>	<b>800,000</b>
Brick Monitoring – Business and Economics Building	
Manhole Repair (4)	
Structural Repairs – Campus-wide	
Inspection & Repairs – Pedestrian Bridge	
<b>Repairs and renovations to meet federal and state standards</b>	<b>5,200,000</b>
Resolution of Annual Code Issues	
Playground Renewal – McIver and Curry	
Storm Water Drainage Repair – Dining Hall Loading Dock	
Restroom Renovations – Campus-wide	
Restroom Renovations – Graham, Eberhart, Mossman, and Bryar	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>13,031,000</b>
High Efficiency Single Phase Power Protection	
Elevator Refurbishment – Campus-wide	
Elevator Repairs – Moore, Taylor, and Library	
New Elevator – Foust, Taylor, Graham, Eberhart	
HVAC Equipment Replacements – Graham, Moore Nursing, Library, Eberhart, Business & Economics Building, and Mossman	
Electrical Renovations – Graham, Eberhart, Bryan, Mossman, Library	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>3,400,000</b>
Projects from Campus ADA Study	
Faculty Center and Alumni House Access	
<b>Improvements to meet fire safety needs</b>	<b>12,007,000</b>
Phased Replacements of Fire Alarm Systems	
Repairs to Life Safety Systems – Campus-wide	
Fire Alarm Replacements – 10 Buildings	
Fire Door Replacements – Library and Foust Building	
Repair Fire Hydrants at EUC, Bryan, Cone, and Forney Building	
Halon Replacement – Bryan and Cone Art Building	
Sprinkler System Installations and Upgrades – Campus-wide	
New Sprinkler System – Moore, Graham, Business & Economics, Mossman, and Library Tower	
<b>Improvements to existing facilities for energy efficiency</b>	<b>2,617,921</b>
Door Replacements – Campus-wide	
Replace Obsolete HVAC Controls Systems	
Centralization of Building Controls	
Internal Building Steam Repairs	
Window/Door Replacement – 1st Floor Sink and Storeroom Building	
Window Replacements – HHP, Foust, Faculty Center	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>450,000</b>
Asbestos Abatement	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Greensboro (continued)**

<b>Improvements and renovations to improve use of existing space</b>	<b>5,150,000</b>
General Classroom Renovation	
Upgrade Building Access Controls	
Building Painting and Signage	
Floor Covering Replacements	
Miscellaneous Renovation Projects	
<b>Historical restoration</b>	<b>1,615,724</b>
Historical Restoration – 1892 Foust Building	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>7,040,000</b>
Public Lighting Upgrade	
Steam Distribution System Replacements – 10 Projects	
Pavement Repairs	
Storm Water System Repairs	
Sanitary Sewer Repairs	
Replace & Repair Sidewalks – Ragsdale/Mendenhall, Stone, Graham	
Repair Brick and Stone Retaining Walls – Ferguson, Health and Human Performance Building, and Graham	
<b>Drainage and landscape improvements</b>	<b>950,000</b>
Landscape Replacement	
North Practice Field Drainage	
Tree Removal and Replacement	
Bench Repair and Replacement	

**The University of North Carolina at Pembroke** **17,914,113**

<b>Roof repairs and replacements</b>	<b>17,296</b>
Roof Inspection and Testing	
<b>Improvements to meet OSHA and Fire Safety Needs</b>	<b>6,918</b>
Replace Egress Lights	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning system</b>	<b>12,049,471</b>
Replace Lighting – Baseball Field	
Exterior Lighting – Chancellor's Residence	
Interior Lighting Upgrades – Dial, GPAC, University Center, Business Administration, Education, Nursing, Library, Old Main, Jones Pool and Main Gym, Moore, Locklear, Lowry	
Economizer Installation – University Center	
Replace High Voltage Switches	
Renovate Shower Rooms – Belk, North, West	
Renovate HVAC Systems – Belk, Old Main, Dial, Education, Jacobs, Library, North UCIS, Student Health	
Emergency Generators – Chavis, West, Lumbee	
Replace Electrical Panels – Belk, University Center, Education, Jones, and North	
Replace Boilers and Circulating Pumps – West, North	
Install NG Pipe to Buildings Not Currently Connected	
Replace Dishwasher and Conveyor – University Center	
Replace Condensing Unit for Backup Computer Room – Lumbee Hall	
Insulate AHUs – Lumbee Hall	
Exterior Lighting Upgrades	



**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Pembroke (continued)**

<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>525,632</b>
Replace Elevator – Education	
Install Elevator Piano Lift and Building Elevator – GPAC	
<b>Historical restorations</b>	<b>276,732</b>
Renovation to Native American Resource Center	
<b>Improvements and renovations to improve use of existing space</b>	<b>2,514,863</b>
Renovations to Jacobs Building	
Renovations to Wellons Building	
New Sound System and Acoustical Treatment – GPAC	
Update Campus Keyway System	
Renovate Box-office – GPAC	
Replace Kitchen Ceiling Tiles – University Center	
Repair Gutters – Nursing Building	
Replace Campus Clocks	
<b>Drainage and landscape improvements</b>	<b>466,986</b>
North Campus Irrigation	
Upgrade Campus Landscaping	
<b>Improvements to existing facilities for energy efficiency</b>	<b>943,369</b>
Window Replacement – Johnson House	
Exterior Window Caulking – University Center, Library, Education	
Window Replacement – Belk, North Old Main	
Energy Monitoring System – University Center	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>542,086</b>
Parking Lot and Road Repairs	
Extend/Repair Sidewalks	
Replacement of Fencing	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>324,007</b>
Exterior Painting – Old Main GPAC	
Carpet Removal and Tile Replacement	
Interior Painting and Wall Repair – Education, Nursing, Lumbee,	
Chancellor's Residence, Givens, Old Main	
<b>Structural repairs</b>	<b>246,753</b>
Repair Skylight – University Center	
Replace Bleachers	

**The University of North Carolina at Wilmington** **23,531,527**

<b>Roof repairs and replacements</b>	<b>2,505,132</b>
Repair Shingles, Slate, Valley Flashing, Hip, and Ridges – Several Buildings	
Roof Repairs and Replacements – Friday, Hinton James, Kenan Auditorium, Kenan Hall, Wise House	
Roof Replacement – DeLoach Hall	
Main Roof Replacement – Randall Library	
Prof. Roof Eng. Infrared and Physical Inspection Plans and Recommendations – Campus Roofs	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Wilmington (continued)**

<b>Structural repairs</b>	<b>3,787,486</b>
Repainting of Facilities	
Miscellaneous Structural Repairs	
Seat Replacement/Renovation – Cameron Hall/Dobo Hall, DeLoach Hall/Morton Hall	
Interior/Exterior Painting – Water Tower	
Door Replacement	
Masonry Wall Repair – Kenan House	
Exterior Masonry Repair – Alderman Hall	
Structural Repair – Natatorium	
Structural Repair – Wise and Carriage Houses	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>3,976,497</b>
Replace Electrical Panels – Bear, Social & Behavioral Science, and Natatorium	
Upgrade Building Controls – Hanover, Morton, Social & Behavioral Science, Dobo, Cameron, Randall, Warwick	
Emergency Generator Replacement to Campus Building	
Install Air Conditioning – Hanover Hall	
Replace Chiller – Randall Library	
Upgrade Electrical Panels – Trask Coliseum	
Repair/Replace Air Handlers – Randall and Trask	
Upgrade Wiring and HVAC – Wise and Carriage House	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>1,855,746</b>
ADA Improvements to Meet New Code Requirement:	
Install New Convenience Appurtenances to all Major Buildings	
Electronic Access System – Trask, Hanover, and Jame	
Install Elevator and Build Exterior Closure with Architectural Integrity of Historic House – Wise House	
<b>Improvements to meet fire safety needs</b>	<b>3,431,718</b>
Install Sprinkler Systems – Cameron, Bear, DeLoach, Trask, Randall, and Kenan Hall	
Install/Upgrade Fire Alarm Systems – Cameron, Hanover, Randall, Social and Behavioral Science, Trask, and Warwick	
Life Safety Code Corrections for Egress Lighting (Hanover, Morton, Physical Plant Warehouse, Randall, James Hall, Kenan Auditorium) and for Chemical Storage (Natatorium and Automotive Building	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>700,000</b>
Remove Vinyl Wall Covering and Carpet on 1st and 2nd Floor in Hallways and Stairwells (mold related) – Alderman Hall	
Remove Underground Storage Tanks (31 tanks of various sizes and conditions)	
Asbestos & Lead Abatements – CMSR, Wise House, and Hanover Hal	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**The University of North Carolina at Wilmington (continued)**

**Improvements and renovations to improve use of existing space** **1,452,000**

Refurbish/Paint Common Area Finishes  
 Replace/Refurbish Classrooms and Auditoriums  
 Renovate Kenan House Garage Apartment  
 Renovation of Research Space – Psychopharmacology Lab  
 Separate Animal Lab From Remainder of the Building – Social  
 and Behavioral Science Building  
 Carpet Replacement – Randall Library 1st Floor  
 Minor Upgrades to Elevators – Bear, DeLoach, Morton, Randall, and  
 University Union

**Improvements to roads, walks, drives, utilities infrastructure** **4,690,567**

Install Electrical Phase Protection on Sub-Station  
 Pavement Repairs for Potholes and Cracks  
 Provide Electrical, Gas, and Water Metering to Major Building  
 Replace Aged Gas Mains and Valves  
 Road Repair – Reigel Road Phase II  
 Repaint Light Poles  
 Repair Concrete Driveway – Wise and Carriage Houses  
 Replacement of Underground Line Switches and Extension to  
 Buildings and an Upgrade to Sub-station at the Back of Campus

**Drainage and landscape improvements** **1,132,381**

Storm Drainage Improvements – Additional RCP Throughout  
 Main Campus  
 Regional Retention Ponds for South and East Main Campus  
 Repair Existing Storm Drainage and Clean Culverts and RCP on  
 Main Campus

**Western Carolina University** **31,965,000**

**Roof repairs and replacements** **1,561,000**

Roof Replacement – Breese Gymnasium  
 Roof Replacement – University Outreach Center, Main Building  
 Roof Replacement – University Outreach Center, Annex Building

**Structural repairs** **6,510,100**

Exterior Wall Repair – Hunter Library, Walls and Elevated Walkway  
 Exterior Wall Repair – Killian Building, Killian Annex, Forsyth Building,  
 Belk Building, Moore Building, and Old Student Union  
 Exterior Repair and Replacement – H.F. Robinson Building  
 Bridge Replacement – Picnic Area and Ramsey  
 Athletic Center Creek Loop

**Repairs and renovations to meet federal and state standards** **1,625,800**

Correct OSHA Deficiencies, Phase III and IV  
 Exterior Lighting Improvement

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**Western Carolina University (continued)**

<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>1,880,000</b>
Steam Plant Boiler Replacement	
Replace Electric Boiler – Ramsey Activity Center	
Electrical Repairs and Replacement – Moore Building	
Electrical Repairs and Replacement – Steam Plant	
Replace Oil-Fired Boiler – Jordan-Phillips Field House and Camp Lab	
Miscellaneous HVAC, Steam, and Electrical Repairs	
<b>Improvements to meet the requirements of the Americans with Disabilities Act</b>	<b>1,100,800</b>
Continuation of Campus-wide Program	
<b>Improvements to meet fire safety needs</b>	<b>2,529,000</b>
Fire Safety Renovations – Hunter Library	
Fire Safety Improvements, Phase IV, Sprinkler Systems – Belk Building, H. F. Robinson Building, Water Plant, Helder, and Leatherwood Residence Halls	
Correct Fire Safety Deficiencies	
<b>Improvements to existing facilities for energy efficiency</b>	<b>1,990,200</b>
Automated Energy Management and Control System, Phase I	
Facility Lighting Improvements – Hunter Library	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>150,000</b>
Continuation of Campus-wide Asbestos Abatement Program	
<b>Improvements and renovations to improve use of existing space</b>	<b>8,709,500</b>
Entrance Improvements and New Façade – Belk Building	
First and Second Floor Renovation – H. F. Robinson	
East Wing Renovation – Belk Building	
Various Minor Building Renovation Projects	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>4,910,700</b>
Pavement Repair – Catamount Road, University Way, and Chancellor's Drive North	
Walk Repair and Replacement	
Replace Water Line to Greenhouse	
Replace Undersized Water Mains and Non-Functioning Valves	
Replace Steam Distribution System – Forsyth to Dodson to Scott; Harrill and Albright-Benton	
Replace Chilled Water Loop – Hunter Library, Stillwell Building, Hoey Auditorium, and McKee Building	
Sanitary Sewer System – Repair and Replacement	
Replace Circuit #4, Substation to Ramsey Activity Center	
Replace Overhead Electric Distribution with Underground – University Outreach Center	
<b>Drainage and landscape improvements</b>	<b>997,900</b>
Site Improvements and Irrigation Systems – Labor Force Development Center, Fine and Performing Arts Center, Hinds University Center, McKee, Bird, and Camp Lab	
Landscape and Drainage Improvements	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

<b>Winston-Salem State University</b>	<b>18,403,064</b>
<b>Roof repairs and replacements</b>	<b>542,000</b>
Roof Repairs and Replacements – Whitaker Gym, Eller Hall, Atkins Residence Hall, and Hauser Union, O'Kelly Atrium are:	
Gutter and Downspout Replacement – Blair Hall	
<b>Structural repairs</b>	<b>1,173,030</b>
Building Waterproofing and Window Replacement – F.L. Atkins Building	
Renovations to Central Stairs for Code Compliance – Blair Hall	
Structural Study – F.L. Atkins Building	
Window Replacements – Hauser Union and Hall-Patterson	
Window and Exterior Door Replacement – C.E. Gaines Complex	
Pool and Exterior Wall Repairs – C.E. Gaines Complex	
Brick Repair and Exterior Door Replacements – Coltrane Hall	
Exterior Doors Replacement – Eller Hall	
Window Replacement and Exterior Door Repairs – Fine Arts Building	
Repair Exterior Walls – Old President's Residence	
Window Repairs, Pressure Wash Concrete Facade – Williams Auditorium	
Structural Study and Repairs – Loading dock	
Structural Repairs – Steam Plant Stack	
Bleachers Replacement – C.E. Gaines	
Tuck Point and Cast Stone Sealing – Blair Hall	
Structural Repairs – Thompson Center	
<b>Repairs and renovations to meet federal and state standards</b>	<b>150,000</b>
Heating Plant Discharge Re-Piping to Sanitary Sewer	
Back Flow Preventers Installation	
Mech. Room Floor Drains Connection to Sanitary Sewer – Campus-wide	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>6,650,034</b>
Replace HVAC Systems – Blair Administration Building	
Replace Roof Vents and Heaters, Replace Air-Conditioning Systems in Classrooms, Replace Old Panel Boards, and Replace Exterior Light Fixtures in C.E. Gaines Complex	
Building Controls Upgrades – Campus wide	
Replace HVAC Systems– Fine Arts Building	
HVAC Repairs – R.J. Reynolds and Hall Patterson	
Connection to Campus Chilled Water Loop – Coltrane Hall	
HVAC Renovations – Coltrane Hall	
Secondary Electrical Upgrades – Coltrane Hall	
Replace Old Panel Boards – Fine Arts Building	
Replace Old Panel Board – Hauser Union	
Replace Main Gate Valve and Provide HVAC System – Heating Plant	
Air Conditioning Installation – Old Maintenance Building	
Replace Bathroom Exhaust Fans – Brown Hall	
Replace Cooling Tower – R.J. Reynolds Building	
Install HVAC System and Replace Heating System – Eller Hall	

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**Winston-Salem State University (continued)**

**Repairs to electrical, plumbing and heating, ventilating,  
and air-conditioning systems (continued)**

Connection to Campus Chilled Water Loop – Hall Patterson  
 Connection to Campus Chilled Water Loop – R.J. Reynolds  
 HVAC and Lighting Replacement – Hauser Union  
 HVAC Renovations – R.J. Reynolds  
 HVAC Renovations – Hall Patterson  
 HVAC Renovations – F.L. Atkins

**Improvements to meet the requirements of the Americans  
with Disabilities Act 950,000**

Elevator Installation – Hill Hall  
 ADA Condition Study  
 ADA Interior Signage Installation  
 Elevator Retrofit – F.L. Atkins, Hauser Union, and Hall Patterson  
 Handrails at Stage Stairs and Balcony – Williams Auditorium

**Improvements to meet fire safety needs 1,053,000**

Install Fire Detection and Protection – R.J. Reynolds, Williams  
 Auditorium, and O'Kelly Library  
 Department of Insurance Inspection Repairs  
 FCAP Life Safety Repairs  
 Replace Non-Fire-Rated Partitions – Heating Plant  
 Connect Food Service Preparation Area to Emergency Generator –  
 Thompson Center  
 Emergency Egress Lighting – Williams Auditorium  
 Study to Provide Second Means of Egress – Steam Plant Central Store  
 Provide Second Means of Egress on 2nd Floor – Old Chancellor's Home

**Improvements to existing facilities for energy efficiency 500,000**

Installation of Energy Efficient Lighting – Campus-wide (R.J. Reynolds,  
 Hall Patterson, O'Kelly Library)  
 Steam Plant Controls and Burner Upgrades

**Improvements to remove asbestos, lead paint, and other contaminants, including the  
removal and replacement of underground storage tanks 50,000**

Removal and Replacement of Asbestos in corridors – Fine Arts Building

**Improvements and renovations to improve use of existing space 1,750,000**

Re-tile Shower Areas, Provide Back-Up Gas Heater for Pool –  
 C.E. Gaines Complex  
 Classroom Improvements – Campus-wide  
 Painting – Interior Buildings – Campus-wide  
 Renovate Staff Development Area – Eller Hall  
 Renovations – Security Office and Old Maintenance Building  
 Floor Replacement Including Abatement – Moore Hall and Dillard Hall  
 Interior Renovations – Fine Arts Ceramics Lab  
 Carpet Replacement – Hauser Union and Hall Patterson

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**Winston-Salem State University (continued)**

**Improvements to roads, walks, drives, utilities infrastructure** **4,920,000**

Primary Electrical Distribution Equipment Replacement  
and Repairs (replace existing substation and old sectionalizing  
switches)  
Repair of Storm and Sewer Distribution Lines  
Install Third Chiller in Central Chiller Plant  
Sidewalk Repairs  
Parking Lot Pavement Repairs  
Roadway Repairs  
Repairs to Exterior Steps and Handrails  
Installation of Additional Street Lighting  
Steam Distribution Piping Replacement  
Stabilization of Railroad Embankment  
Replace Underground Primary Distribution Cable

**Drainage and landscape improvements** **665,000**

Campus Gateway Improvements  
Re-Grade for Site Drainage – Williams Auditorium  
Replace Exterior Signage – Campus-wide  
Site Improvements – Campus-wide

**North Carolina School of Science and Mathematics** **30,052,680**

**Roof Repairs and Replacements** **1,878,900**

Replacement of Bryan Roof  
Gutters, Underground Drainage, and Ice Guards  
Roof Repairs – Watts Hall  
Roof Repairs – Reynolds and Beall Residence Hall  
Roof – Physical Education Center  
Roof Repairs – Reynolds/Art Exterior Wall  
Roof Replacement – Hunt Residence Hall  
Roof Replacement – Cottage

**Structural repairs** **741,900**

Window Replacement and Repaint  
Repairs to Watts Assembly Hall  
Ground Floor Repairs in Hunt  
Waterproof Watts and Hill Residence Hall  
Repair Exterior Stucco Walls on Campus Buildings  
De-Watering Pumps in Watts Hall

**Repairs and renovations to meet federal and state standards** **865,600**

Kitchen Coolers, Grease Interceptors, and Exhaust Hood  
Elevators – Bryan Center Residence Hall  
Code Compliance for Doors and Hardware  
Elevators – Reynolds and Hunt Residence Halls

**Repairs to electrical, plumbing and heating, ventilating,  
and air-conditioning systems** **13,704,870**

Chillers Replacement in Bryan Center/Watts  
Hot Water Heaters and Storage Tank in Bryan  
Repairs to Maintenance Building

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina School of Science and Mathematics (continued)**

**Repairs to electrical, plumbing and heating, ventilating,  
and air-conditioning systems (continued)**

Repairs to Boiler Building  
Repairs to Air Circulation and Interiors  
Single Phase Electrical Protection and Outdoor Light  
ETC Emergency Generator and Roof Repair  
Extensive Classroom Renovations in the old Hospital (129,400 square  
feet to be renovated)  
Labs in Old Distance Learning/Counseling Building  
Ventilation Exhaust – Biology  
Upgrade Electrical Wiring on Campus  
Chiller Replacement – Hunt Residence Hall  
Emergency Power Upgrade – Maintenance/Residence Hall  
Physical Education Center Repairs  
Hunt Residence Hall Interior Repairs  
Lighting – Hunt Residence Hall  
Renovation – Watts Hall/Hill/Beall Offices  
Electrical Repairs  
Cooling Tower Replacement  
Kitchen Steam Lines  
Pump Replacements  
Plumbing Fixture and Line Replacements  
System Repairs – Cottage

**Improvements to meet the requirements of the Americans with Disabilities Act** **91,700**

ADA and Life Safety

**Improvement to meet fire safety needs** **2,363,400**

Sprinklers – Non-Residential Academic Areas  
Sprinklers – Hunt Residence Hall  
Fire Alarm System – Physical Education Center  
Sprinklers – Physical Education Center

**Improvements to remove asbestos, lead paint, and other contaminants, including the** **2,139,000**

**removal and replacement of underground storage tanks**

Asbestos and Lead Paint Abatement (Critical Areas)  
Monitoring Wells and Cleanup From UST Removal  
Asbestos and Lead Paint Abatement Throughout Campus

**Improvements to existing facilities for energy efficiency** **1,549,700**

HVAC Controls – Bryan/Reynolds/Watts  
HVAC Controls – Hunt Residence Hall  
Upgrade HVAC Controls  
Energy Efficient Lighting Replacement

**Improvements and renovations to improve use of existing space** **3,515,810**

Electronic Access Control of Doors (Safety) Upgrade/One Card System  
Carpet and Tile Flooring – Residence Hall  
Exterior Canopy – Hunt  
Replace Doors, Closures, and Hardware



**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

**North Carolina School of Science and Mathematics (continued)**

**Improvements and renovations to improve use of existing space (continued)**

Replace Flooring

Replace Insulation Glass and Frames

**Improvements to roads, walks, drives, utilities infrastructure** **3,201,800**

Improve Roads, Parking Lots, and Sidewalks

Chilled Water Loop to Connect Campus

Water Line Repairs

Data and Telephone Lines to Physical Education Complex

Steam Line Infrastructure Repairs

Boiler Equipment Replacement – Boiler Plant

Repair Smokestacks

Electrical System Upgrades

**UNC Center for Public Television** **2,491,400**

**Roof repairs and replacements** **219,000**

WUNL-TV, Winston Salem

WUNK-TV, Farmville

WUNP-TV, Roanoke Rapids

Bryan Center

WUNC-TV, Chatham

**Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems** **438,000**

Tower Electrical, WUNP-TV, Roanoke Rapids

Replace 20-Ton HVAC, WUNG-TV, Concorc

Replace 10-Ton HVAC, WUNK-TV, Farmville

Repair to Elevator, WUND-TV, Columbia

Add UPS System Capacity – Bryan Center

Electrical Improvements for Harmonics Reduction and Grounding –

Bryan Center

**Improvements to meet fire safety needs** **325,000**

Security and Fire Alarm System Upgrades – 11 Transmitter Site:

Life Safety System Upgrades – Bryan Center

**Improvements and renovations to improve use of existing space** **1,209,400**

Building Repairs and Painting, WUNP-TV, Roanoke Rapids

Building Repairs and Painting, WUNM-TV, Jacksonville

Replace Carpeting in Bryan Center

Painting and Caulking, Interior and Exterior – Bryan Center

Translator Site Improvements

Microwave Site Improvements

**Improvements to roads, walks, drives, utilities infrastructure** **300,000**

Repair Site Access Road, WUNE-TV, Linville

Parking Lot, Drainage Improvement, and Repave – Bryan Center

Replace Landscape Irrigation System – Bryan Center

**THE UNIVERSITY OF NORTH CAROLINA**  
**2005-07 Budget Request for Repairs and Renovations - Attachment 11**

<b>The North Carolina Arboretum</b>	<b>2,425,000</b>
<b>Roof repairs and replacements</b>	<b>180,000</b>
Visitor Education Center Roof Repair	
Greenhouse Glazing Replacements and Resealing	
<b>Structural repairs</b>	<b>52,000</b>
Replace Foot Bridge Damaged in Flood (Hurricane Ivan	
Repairs to Support Facility	
<b>Repairs to electrical, plumbing and heating, ventilating, and air-conditioning systems</b>	<b>156,000</b>
HVAC Zoning Modifications – Visitor Education Center	
Drainage in Greenhouse to Prevent Ponding	
Air Condition Support Facility	
<b>Improvements to remove asbestos, lead paint, and other contaminants, including the removal and replacement of underground storage tanks</b>	<b>81,000</b>
Removal of 5000 gallon tank	
Construct Catchment and Treatment for Nutrient-Rich Greenhouse	
Runoff and Other Contaminants	
<b>Improvements to existing facilities for energy efficiency</b>	<b>50,000</b>
Replace Old Lighting VEC and Greenhouse with Energy	
Efficient Lighting	
Solar Charging Station for Alternative Fuel Vehicle:	
Solar Pre-heat Water at Support Facility	
<b>Improvements and renovations to improve use of existing space</b>	<b>688,000</b>
Renovate Visitor Education Center Basement to Classroom Space	
Exterior Repainting of Support Facility, Pump Houses, Visitor	
Education Center, and Core Garden Structures	
Renovation of Educational Interpretation Infrastructure at Key Public	
Buildings and Outdoor Exhibits	
Completion of Renovation – Heritage Garden	
Upgrade and Repair of Communications System	
<b>Improvements to roads, walks, drives, utilities infrastructure</b>	<b>910,000</b>
Upgrades and Repair – Natural Garden Trail	
Upgrade Sewer Line	
Repair and/or Replace Flagstone at VEC and Gardens	
Repair to Water Features	
Repair Entrance Road Undermined by Floodwaters (Hurricane Ivan) –	
Fill voids, shore up creek bank next to road, and repave 1-1/2 miles	
of roadway	
Repair Roads, Bridges & Trails Washed Away by Flood (Hurricane Ivan)	
Repair and Upgrade Irrigation System – Main Gardens and POP Garder	
<b>Drainage and landscape improvements</b>	
Replacement, Renovation, and Enhancement for Permanent Collection	
Build and Repair Retaining Walls on Gardens, Trails, and Roadways	
Repair Fence Damaged by Flood	
<b>TOTAL</b>	<b>749,033,071</b>

THE UNIVERSITY OF NORTH CAROLINA

2005-07 Budget Request For Repairs and Renovations - Attachment 12

