



General Obligation Bond Capital Projects

Summary

The Governor is proposing a \$608.2 million general obligation bond package to address pressing capital outlay needs at the institutions of higher education. The use of bond proceeds gives the Commonwealth flexibility to pay for much-needed capital outlay expenses without affecting priorities in the operating budgets of state agencies that provide vital services to citizens. If approved by the legislature, citizens will vote on the general obligation bonds in a referendum in November 2002.

Summary of recommended funding for the general obligation bond

	<i>Amount proposed for general obligation bond</i>
Christopher Newport University	16,107,000
College of William and Mary	19,750,000
Richard Bland College	3,627,000
Virginia Institute of Marine Science	24,982,000
George Mason University	57,336,000
James Madison University	37,173,000
Longwood College	15,122,000
Mary Washington College	11,314,000
Norfolk State University	41,215,000
Old Dominion University	22,222,000
Radford University	20,000,000
Southwest Virginia Higher Education Center	2,100,000
University of Virginia	48,719,000
Virginia Commonwealth University	55,575,000
Virginia Community College System	100,112,000
Virginia Military Institute	21,214,000
Virginia Polytechnic Institute and State University	62,728,000
Virginia Cooperative Extension and Agricultural Experiment Station	21,808,000
Virginia State University	27,086,000
Total	608,190,000

Office of Education

Virginia's institutions of higher education have diverse capital needs, resulting from the unique history and location of each institution. Projects proposed in this bond package range from new state-of-the-art research facilities to renovation of historic academic buildings. The projects proposed for each university follows:

Christopher Newport University

- ▶ **Construct performing arts center, Ferguson Hall portion.** Provides funding for the second phase of this project. Funds provided will allow the university to renovate 106,113 square feet of Ferguson Hall and 26,000 square feet in the two-story building annex. Renovation efforts will result in offices, modified classrooms, music laboratories, studio space, a 440-seat theater/music hall, and a 200-seat studio theater for the academic programs in the fine and performing arts. A portion of the funding for this project was delayed by the Governor under Executive Order 74 (2001). This action substitutes debt financing for general fund support provided in an earlier budget, and provides additional funding for renovation of the facility. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$16.1 million.

The College of William and Mary in Virginia

- ▶ **Renovate and expand Rogers Hall.** This project supports the renovation and expansion of Rogers Hall, which houses the Chemistry Department. Renovation efforts will include modernized building systems and spaces, improved technological capacity, expansion of the library, compliance with handicapped access standards, and additional lecture and laboratory spaces. The renovated building will meet the growing demand for chemistry courses and adapt to changes in the curriculum. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$19.8 million.

Richard Bland College

- ▶ **Renovate and expand library and art buildings.** This project will expand the library to the second floor of the existing building, replace and upgrade old utility systems, upgrade campus water pressure for the purpose of providing fire protection, abate asbestos floor tile and insulation, and provide handicapped access to the library. Simultaneously, the college will renovate the vacant art building to house the admissions office, currently located on the second floor of the library, and the financial aid office. Relocation of these offices will improve student access to these services and allow the two offices to improve services to students through combined counseling and information services. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$3.6 million.

Virginia Institute of Marine Sciences

- ▶ **Construct marine research building complex.** This project supports the replacement of three outdated laboratory buildings (Brooke, Davis and Byrd Halls) with the construction of a new

research laboratory complex. This complex will include a new scientific research building and a freestanding seawater laboratory. The new four-story laboratory will house the Biological, Environmental, Fisheries, and Physical Sciences departments, which are currently scattered throughout campus in inadequate 30-year-old laboratory space and converted 70-year-old single-family dwellings. The project will address the severe lack of adequate seawater laboratory space. This project replaces the renovation and expansion of Byrd Hall project authorized in Chapter 935, 1999 Acts of Assembly. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$25.0 million.

George Mason University

- ▶ **Construct Academic II, Arlington campus.** This project will provide an additional academic facility at the Arlington campus that will house faculty offices, instructional classrooms, library, TV studio, computer laboratories, and an auditorium. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$36.0 million.
- ▶ **Construct Academic IIIA, Prince William campus.** This project will provide an additional academic facility at the Prince William campus. This facility will consist of faculty offices, high technology classrooms, academic support sources, research laboratories, a television studio, and a telecommuting center. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$21.4 million.

James Madison University

- ▶ **Construct CISAT academic 3a building.** Provides funds for construction of the third academic building on the College of Integrated Science and Technology (CISAT) campus. This new building will house the Departments of Chemistry and Physics. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$28.4 million.
- ▶ **Renovate and upgrade technology infrastructure.** Provides funds to replace a large portion of the university's technology infrastructure in order to improve its ability to meet the needs of its academic programs for increasing bandwidth. The project will add network capacity that will enable delivery of increased streams of data to classrooms, laboratories, and desktops throughout the campus. When completed, the project will allow the university to ensure that its ability to fully utilize its investment in buildings will not be compromised by technological infrastructure shortcomings. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$8.8 million.

Longwood College

- ▶ **Construct Bedford Wygal connector.** Provides funds to build a connector between Wygal Hall, the music building, and Bedford Hall, the arts building, which are adjacent to each other on the campus. This new facility will serve all these departments, will create a synergy among the arts programs, and will address the growth of all of the arts programs. Financing for this project will

be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$8.9 million.

- ▶ **Renovate Jarman Building.** This building houses the arts and theater programs at the college and was built in 1951. This project provides funds to replace and modernize wood veneer paneling, acoustical materials, and stage surface, as well as replacement of lighting, projection, and sound systems with state-of-the-art equipment. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$6.3 million.

Mary Washington College

- ▶ **Construct James Monroe Center, Stafford campus building II.** This project will provide the second building on the Stafford campus, which is needed to meet the increased demand for graduate and professional training. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$9.1 million.
- ▶ **Renovate and alter portions of four academic buildings.** This project will provide for the renovations of several buildings to meet educational program functions and technological needs. Art program changes also require updates to existing studio spaces as well as new studio space. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$2.2 million.

Norfolk State University

- ▶ **Renovate Teacher's Education Building.** This project is focused on the renovation of 31,492 square feet of classroom, class lab and lecture facilities in the Teacher's Education Building, which was constructed in 1963. Renovation efforts will also include rewiring of the building. Planning for this project was delayed by the Governor under Executive Order 74 (2001). This action substitutes debt financing for general fund support provided for planning in an earlier budget, and provides additional funding for renovation of the facility. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.2 million.
- ▶ **Renovate Robinson Technology Building.** This project renovates the Robinson Technology Building, which houses the "smart" classrooms that support electronic engineering, computer technology engineering and construction technology. The building was built in 1975 and currently does not promote the efficient use of space or support the technological needs of today's students. Planning for this project was delayed by the Governor under Executive Order 74 (2001). This action substitutes debt financing for general fund support provided for planning in an earlier budget, and provides additional funding for renovation of the facility. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$9.7 million.
- ▶ **Renovate heating ventilation and air conditioning (HVAC) systems.** This project provides additional funds to support the HVAC project. Projects are planned for buildings that pose a potential health risk associated with contaminated air distribution systems. These additional funds will renovate HVAC systems in Wilson Hall and Gill Gym, and provide supplemental funding for the Fine Arts building. Financing for this project will be through the issuance of general obligation

bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$2.0 million.

- ▶ **Increase student access to technology.** This project will address the technological needs of the university. Technology renovations will allow the university to complete the installation of fiber optic wiring to ensure network connectivity and move existing wiring and switching equipment from janitorial closets into safer habitats. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.3 million.
- ▶ **Construct RISE Center.** Provides funds to construct a leading-edge complex for research, workforce development, and business incubation, as well as space to accommodate partnerships between the School of Entrepreneurship and private businesses. This project will be funded through state, local, and private sources. This project will promote activities of the enterprise zone. Funds for planning have been included in this project. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$21.0 million.

Old Dominion University

- ▶ **Renovate the technology building.** Provides funds to focus on several significant facility issues such as asbestos abatement, reconfiguration of current classroom space, and upgrading the heating ventilation and air conditioning systems. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$10.8 million.
- ▶ **Renovate Batten Arts and Letters Building.** Provides funds to address a variety of issues for this general-purpose classroom facility such as asbestos abatement, heating ventilation and air conditioning system modifications, modifications for handicapped accessibility, and other mechanical systems issues. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$11.4 million.

Radford University

- ▶ **Construct fine arts center.** This project will construct a 78,000 square foot academic facility for the College of Visual and Performing Arts. Currently the college is principally housed in Powell Hall, an academic building built in the 1960s when student enrollment was approximately 3,000. The number of programs provided by the College of Visual and Performing Arts and the current enrollment cannot be supported by the existing space. This new facility will co-locate all of the College of Visual and Performing Arts departments. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$20 million.

Southwest Virginia Higher Education Center

- ▶ **Construct Southwest Virginia Higher Education Center addition.** Provides funds to construct an addition to the main facility in Abingdon. The project includes an addition of approximately 6,200 gross square feet and the renovation of some 1,800 gross square feet in the existing facility. This

project adds the faculty offices and storage spaces that were originally planned for the center when it was built in the mid- 1990s. When the classrooms are not used by students, businesses, or professional organizations, state agencies use them for training events. The addition will ease the overcrowded main building and maximum office space for staff and faculty. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$2.1 million.

University of Virginia

- ▶ **Construct Medical Research Building (MR-6).** This project provides funding to construct a new 183,000 square foot research facility in the University of Virginia Health Sciences Center. The new facility will provide state-of-the-art research space that supports the changing needs of the academic and research programs. Currently, outdated research areas are overcrowded and faculty members must share available offices and laboratory space. The project will be financed from the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$25.0 million.
- ▶ **Construct Materials Science Engineering and Nanotechnology Building.** This project provides additional funding to construct a 100,000 square foot addition joining the Materials Science and Chemical Engineering buildings. The project was originally authorized in 1999. The new facility will provide classroom spaces, laboratory facilities, and support space appropriate for state-of-the-art teaching and research activities for the Materials Science and Engineering and Nanoscopic Materials design programs. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$7.0 million.
- ▶ **Renovate Fayerweather Hall.** This project provides funding to renovate approximately 18,270 square feet, and demolish 3,280 square feet of Annex space. Currently, Fayerweather Hall and other university arts facilities are in substandard condition. The fine arts are among the most heavily enrolled programs at the university and the existing facilities cannot meet the student demand for courses. The project will be financed from the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.6 million.
- ▶ **Renovate Gilmer Hall teaching laboratories.** This project provides funding to complete the renovation of Gilmer Hall's Biology teaching labs. The project will renovate the remaining teaching laboratory facilities, providing space appropriate for teaching and undergraduate research. In addition, the project will provide for mechanical, electrical, and plumbing systems and adequate restrooms facilities. The building's current environmental system and inadequate support space pose significant problems to the facility's performance. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$5.7 million.
- ▶ **Replace Campbell Hall chiller.** This project provides funds to replace the Campbell Hall chiller plant with two 600-ton chillers in the new Studio Art Building. The new chillers will create a chilled water loop to serve the Studio Art Building, Campbell Hall, and the Drama Building. New cooling towers, condensers, chilled water piping, pumps, electrical equipment and controls will also be installed. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$1.7 million.

- ▶ **Upgrade Cavalier substation.** This project provides funds to increase the capacity of the Cavalier electrical substation by providing improved and/or additional transformers, switching gear, and other equipment. In addition the upgrades will allow for necessary modifications to the electrical distribution system. The Cavalier Substation provides electricity to many university facilities including the academic, administrative, and classroom facilities in the central grounds, along with hospital, animal care areas, and research facilities. Currently, average annual load growth at the substation has exceeded four percent per year. Over 1.1 million gross square feet of new facilities are projected for construction within the next six years – all to be served through this electrical substation. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.7 million.

Virginia Commonwealth University

- ▶ **Renovate West Hospital and G.B. Johnston Lecture Hall.** This project provides for the renovation of approximately 108,600 square feet in floors B1 through 6 and consolidates the Schools of Nursing and Allied Health Professions from their existing locations into West Hospital as articulated in the 1996 Master Site Plan. The School of Nursing presently occupies inadequate facilities. Work areas are typically cramped, inefficient and some are unsuitable for their current use. The present Nursing Education Building has no central air conditioning and does not comply with current fire and life safety codes. The School of Allied Health is presently located in six buildings on the medical campus, which has raised concerns during school accreditation. Consolidation of the School of Allied Health will increase administrative and instructional efficiency. Also included is the renovation of the George Ben Johnston Auditorium on the medical campus which involves installation of new fixed seating, new finishes, modern telecommunications and audio visual equipment, and upgrading of electrical and heating ventilation and air conditioning systems. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$14.5 million.
- ▶ **Construct Massey Cancer Center addition.** This project provides funds to construct a 60,000 square foot addition to the existing Massey Cancer Center. The Center, a National Cancer Institute (NCI) center on the Virginia Commonwealth University's medical campus brings, leading edge cancer research, care, and education to the great Richmond community. This designation ranks the quality and scope of the Massey Cancer Center's programs with that of Johns Hopkins University, Duke University, and the Sloan-Kettering Institute. However, the center's age and amount of laboratory space severely limits the type of research that can take place. To continue to attract and retain top cancer researchers, the university needs to provide adequate research and support facilities. This project increases the amount of space and improves the quality of existing facilities that will allow the university to advance in the NCI arena. A 192-car subterranean parking deck is included in the project to offset the increasing parking demand on the medical campus. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$13.0 million.
- ▶ **Construct Medical Sciences building, phase II.** This project provides funds to construct a 125,000 square foot facility for research and instructional space on the medical campus on the site of the Nursing Education Building. Construction of the building is an integral part of the university's efforts to increase sponsored research funding and enhance the university's position as a major research institution. This project will be financed through the issuance of general obligation bond

(GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$26.3 million.

- ▶ **Renovate Business Building classrooms.** This project provides funds to renovate 25,565 square feet of classrooms on the first, second, third, and fifth floors of the Business Building. Renovations include telecommunications improvements and building system upgrades. The project also includes asbestos abatement of floor tile, mastic, and ceiling tiles as well as replacement of floor and ceiling finishes. The 153,127 gross square foot Business Building was constructed in 1971 and serves as a major classroom facility on the academic campus. Architectural plans for the renovations are complete. Planning funds were provided by the 2000 General Assembly. This project will be financed through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$1.8 million.

Virginia Community College System

- ▶ **Renovate South Campus, Virginia Western.** This project is for the renovation of Duncan, Craig, and Chapman Halls at Virginia Western Community College. Improvements include replacement of heating, ventilation and air conditioning components, obsolete electrical and lighting systems, and deteriorated finishes. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$2.1 million.
- ▶ **Renovate Learning Resource Center and West Hall, Patrick Henry.** Provides funding to renovate and upgrade two academic buildings. The project will include substantial upgrades to electrical and heating, ventilation and air conditioning systems. Improvements in access for persons with disabilities, abatement of asbestos and lead paint, and installation of fire control systems are also included. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.2 million.
- ▶ **Renovate academic and administrative facilities, Thomas Nelson.** This project is for the renovation of space in various campus buildings, including Hastings, Diggs-Moore, Griffin-Wythe, and Harrison. Improvements include upgrading old technical, scientific, and photography laboratories into modern facilities for teaching arts and sciences, converting small classrooms into larger lecture rooms; and renovating faculty and administrative offices. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$3.3 million.
- ▶ **Construct phase IV building and replace exterior panels on existing building, Parham Road Campus, J. Sargeant Reynolds.** This project is for the construction of a multi-story 81,000 square foot building providing instructional and academic support space, a high technology library and learning resource center, and student services and support facilities. In addition, the college will replace deteriorating metal panels on Building B, an existing academic building with classrooms and meeting rooms. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$13.9 million.
- ▶ **Construct maintenance buildings at various campuses.** This project will include construction of maintenance buildings at Blue Ridge, Central Virginia, Mountain Empire, New River, Rappahannock, and Southside Virginia Community Colleges. These facilities are important for the safe and efficient operation of the campuses. They typically include receiving areas, grounds

equipment and materials storage space, equipment repair areas, storage for building materials and other supplies, and offices for physical plant department staff. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$3.7 million.

- ▶ **Repair or replace major mechanical systems at various campuses.** Provides funds to repair or replace mechanical systems at Blue Ridge, Northern Virginia, Rappahannock, Thomas Nelson, and Virginia Highlands Community Colleges. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$7.7 million.
- ▶ **Complete handicapped access compliance and life safety improvements at various campuses.** Provides funds to make accessibility and life safety improvements at John Tyler, Mountain Empire, New River, Northern Virginia, Paul D. Camp, Piedmont Virginia, Tidewater, and Wytheville Community Colleges. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$5.7 million.
- ▶ **Renovate instructional buildings, Wytheville.** This project involves the renovation of five aging campus buildings. Improvements will include upgrades to laboratories, mechanical systems, and windows, as well as restoration of building facades and interior finishes. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$2.2 million.
- ▶ **Construct science laboratory building, Lord Fairfax.** This project will provide new and renovated laboratory space for anatomy and physiology, biology and microbiology, general and organic chemistry, natural resources, physics and printing technology courses, through an addition to the existing science laboratory building. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$11.8 million.
- ▶ **Construct phase III building and renovate phase I and II buildings, Alexandria Campus, Northern Virginia.** This project will provide additional general educational space at the college's Alexandria Campus through construction of a new building and renovation of two existing buildings. The college currently rents space off campus to meet the demand for courses. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2003, \$17.7 million.
- ▶ **Replace exterior doors and windows, Thomas Nelson.** The college will replace old, energy inefficient doors and windows in several buildings through this project. The buildings range in age from 20 to 35 years, and many windows and doors are deteriorating or inoperable. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$974,000.
- ▶ **Complete Franklin Campus renovations, Paul D. Camp.** Renovations will include updating the welding, distance learning, business technology and network laboratories, and improving the business office, logistical support, and plant operation areas. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$500,000.
- ▶ **Construct computing services expansion, New River.** This project will add approximately 2,000 square feet to the college's computing and communications services support area. The expansion

will provide space for the staff to repair and maintain the instructional computing and communications equipment used by students, faculty, and staff throughout the college. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$300,000.

- ▶ **Construct advanced technology and workforce development center, Germanna.** This project is for the construction of a two-story, 40,000 square foot instructional building with priority on “fast track,” noncredit education and training for local residents and employees of businesses, government, and educational institutions in the Culpeper, Madison, and Orange County areas. The building will contain classrooms, manufacturing technology laboratory areas, a library, a multi-purpose auditorium, and faculty and administrative offices. The college has worked in partnership with leading area industries, government bodies, and citizens to design the project and the programs it will house. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$7.1 million.
- ▶ **Construct manufacturing technology building, Central Virginia.** This project is for the construction of a 35,000 square foot facility to provide instruction for the engineering technology, electronics, heating ventilation and air conditioning, construction, and machine tool programs. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.4 million.
- ▶ **Renovate instructional labs, John Tyler.** This project will provide updated instructional laboratory and classroom space in Bird, Moyer and Godwin Halls to accommodate current technologies in over a dozen course areas including physical therapy, police science, electronics, welding and computer integrated manufacturing. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$4.8 million.
- ▶ **Install fire suppression system, main academic building, Piedmont Virginia.** This project will provide automatic sprinklers throughout the college’s 105,000 square foot main academic building. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$235,000.
- ▶ **Renovate science building, Annandale Campus, Northern Virginia.** This project involves renovating the entire 35-year-old science building to provide new, state of the art science laboratories that meet all current air quality and life safety codes. Planning for this project was delayed by the Governor under Executive Order 74 (2001). This action substitutes debt financing for general fund support provided for planning in an earlier budget, and provides additional funding for renovation of the facility. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$9.6 million.

Virginia Military Institute

- ▶ **Construct women's athletic facilities.** This project will provide new athletic training and locker facilities for women in an effort to remedy prior discrimination based on the previous policy of single sex admissions. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$1.6 million.

- ▶ **Renovate Nichols Engineering Building.** This project will renovate the building that houses the institute's engineering programs. The renovation will include the replacement of roof, mechanical, electrical, and plumbing systems as well as the addition of air conditioning, adequate computer and communications systems, electronic classrooms, and modernized laboratories. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$19.6 million.

Virginia Polytechnic Institute and State University

- ▶ **Construct Biomedical Sciences Complex, phase II.** This project is in support of the bioinformatics and life sciences research initiatives. The 62,000 square foot facility will be located on the north side of the campus and will serve as a center for cutting-edge research in biomedicine. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$24.4 million.
- ▶ **Construct biology building.** This project is in support of the life sciences research initiative. The 47,000 square foot building will house the university's microbiology research program and will include state-of-the-art laboratories for instruction and research. Financing for this project will be through the issuance general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$16.1 million.
- ▶ **Construct new engineering facility, phase I.** This 103,000 square foot facility will serve as the foundation of the College of Engineering's Virginia Tech Research Institute. It will include research laboratories as well as instructional space. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$17.0 million.
- ▶ **Renovate Williams Hall.** This includes funding for the renovation of Williams Hall as part of the Upper Quad conversion. Funds for this project were delayed by the Governor under Executive Order 74 (2001). This action substitutes debt financing for general fund support provided in an earlier budget. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$5.2 million.

Virginia Cooperative Extension and Agricultural Experiment Station

- ▶ **Construct agriculture and natural resources research laboratory facility.** This 84,240 square foot facility will serve as the research centerpiece in the areas of agriculture and forestry. It will include research laboratories as well as instructional space. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$21.8 million.

Virginia State University

- ▶ **Construct science and technology building.** Provides funds to construct a new academic facility to accommodate the instructional, office, research, support, and specialized laboratory needs for science and technology programs, including the new undergraduate programs in computer science, manufacturing engineering, and computer engineering, and to provide state-of-art laboratory facilities to supplement existing programs that will benefit from the advanced technical

laboratories and facilities. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$19.7 million.

- ▶ **Renovate Gandy Hall.** Provide funds to renovate restrooms on every floor, replace the elevator, paint and grout the exterior building masonry, replace exterior waterproofing, modify the structure to provide energy efficiencies including upgrades of heating system and electrical service, replace windows, and comply with handicapped accessibility requirements. The fire alarm system and telephone and data communication systems will also be upgraded as necessary to meet code obligations. Financing for this project will be through the issuance of general obligation bond (GOB) debt, which will be subject to voter referendum approval in November 2002. For 2004, \$7.4 million.



General Obligation Bond Package

Detail table

	Amount for General Obligation Bond
OFFICE OF EDUCATION	
Christopher Newport University	
▶ Construct performing arts center, Ferguson Hall portion	16,107,000
Total	16,107,000
College of William and Mary	
▶ Renovate and expand Rogers Hall	19,750,000
Total	19,750,000
Richard Bland College	
▶ Renovate and expand library and art buildings	3,627,000
Total	3,627,000
Virginia Institute of Marine Science	
▶ Construct marine research building complex	24,982,000
Total	24,982,000
George Mason University	
▶ Construct Academic II, Arlington campus	35,955,000
▶ Construct Academic IIIA, Prince William campus	21,381,000
Total	57,336,000
James Madison University	
▶ Construct CISAT academic 3a building	28,405,000
▶ Renovate and upgrade technology infrastructure	8,768,000
Total	37,173,000
Longwood College	
▶ Construct Bedford Wygal connector	8,856,000
▶ Renovate Jarman Building	6,266,000
Total	15,122,000
Mary Washington College	
▶ Construct James Monroe Center, Stafford campus building II	9,072,000
▶ Renovate and alter portions of four academic buildings	2,242,000
Total	11,314,000

	Amount for General Obligation Bond
Norfolk State University	
▶ Construct RISE Center	21,000,000
▶ Increase student access to technology	4,300,000
▶ Renovate HVAC systems	2,048,000
▶ Renovate Robinson Technology building	9,650,000
▶ Renovate Teacher's Education building	4,217,000
Total	41,215,000
Old Dominion University	
▶ Renovate Batten Arts and Letters Building	11,406,000
▶ Renovate technology building	10,816,000
Total	22,222,000
Radford University	
▶ Construct fine arts center	20,000,000
Total	20,000,000
Southwest Virginia Higher Education Center	
▶ Construct Southwest Virginia Higher Education Center addition	2,100,000
Total	2,100,000
University of Virginia	
▶ Construct Materials Science Engineering and Nanotechnology Building	7,000,000
▶ Construct Medical Research Building (MR-6)	25,000,000
▶ Renovate Fayerweather Hall	4,600,000
▶ Renovate Gilmer Hall teaching laboratories	5,700,000
▶ Replace Campbell Hall chiller	1,719,000
▶ Upgrade Cavalier substation	4,700,000
Total	48,719,000
Virginia Commonwealth University	
▶ Renovate West Hospital and G.B. Johnston Lecture Hall	14,529,000
▶ Construct Massey Cancer Center addition	13,000,000
▶ Construct medical sciences building, phase II	26,250,000
▶ Renovate business building classrooms	1,796,000
Total	55,575,000
Virginia Community College System	
▶ Complete ADA compliance and life safety improvements at John Tyler, Mountain Empire, New River, Northern Virginia, Paul D. Camp, Piedmont Virginia, Tidewater and Wytheville Community Colleges	5,650,000
▶ Complete Franklin Campus renovations, Paul D. Camp	500,000
▶ Construct advanced technology and workforce development center, Germanna	7,055,000
▶ Construct computing services expansion, New River	300,000
▶ Construct maintenance buildings at Blue Ridge, Mountain Empire, New River, Rappahannock, Southside Virginia (Christanna and Daniel Campuses), and Central Virginia Community Colleges	3,745,000

	Amount for General Obligation Bond
▶ Construct manufacturing technology building, Central Virginia	4,355,000
▶ Construct phase III building and renovate phase I & II buildings, Alexandria Campus, Northern Virginia	17,697,000
▶ Construct phase IV building and replace exterior panels on existing building, Parham Campus, J. Sargeant Reynolds	13,905,000
▶ Construct science laboratory building, Lord Fairfax	11,828,000
▶ Install fire suppression system, main academic building, Piedmont Virginia	235,000
▶ Renovate academic and administrative facilities, Thomas Nelson	3,290,000
▶ Renovate instructional buildings, Wytheville	2,248,000
▶ Renovate instructional labs, John Tyler	4,750,000
▶ Renovate Learning Resource Center and West Hall, Patrick Henry	4,194,000
▶ Renovate science building, Annandale Campus, Northern Virginia	9,600,000
▶ Renovate South Campus, Virginia Western	2,102,000
▶ Repair or replace major mechanical systems at Blue Ridge, Northern Virginia, Rappahannock, Thomas Nelson and Virginia Highlands Community Colleges	7,684,000
▶ Replace exterior doors and windows, Thomas Nelson	974,000
Total	100,112,000
 Virginia Military Institute	
▶ Construct women's athletic facilities	1,629,000
▶ Renovate Nichols Engineering Building	19,585,000
Total	21,214,000
 Virginia Polytechnic Institute and State University	
▶ Construct Biomedical Sciences Complex, phase II	24,394,000
▶ Construct biology building	16,116,000
▶ Construct engineering facility, phase I	17,000,000
▶ Renovate Williams Hall	5,218,000
Total	62,728,000
 Virginia Cooperative Extension and Agricultural Experiment Station	
▶ Construct agriculture and natural resources research laboratory facility	21,808,000
Total	21,808,000
 Virginia State University	
▶ Construct science and technology building	19,697,000
▶ Renovate Gandy Hall	7,389,000
Total	27,086,000
 GRAND TOTAL	 608,190,000