University of California
2002-03 to 2006-07 Non-State Capital Program
Overview of the Report

This report provides a projection of the capital program expected to be proposed for funding from non-State sources during the five-year period, 2002-03 to 2006-07. This is the first of regular, annual reports that will be developed to provide an overview of campus longer-term capital plans.

The Non-State Capital Program is based on the campuses' best estimates of non-State fund sources that will be available for defined capital projects over the five-year period, including debt financing, campus resources, gifts, capital reserves, and federal funds. This program is presented for information only, to provide the Board of Regents with a projection of the facilities to be developed using non-State sources. Specific projects funded from non-State sources will continue to be brought to the Board for approval at its regular meetings, when the scope and cost of projects are finalized and the feasibility of funding plans is confirmed. It is anticipated that the scope, cost, and funding plan of these future projects will change to some degree by the time they are presented for project and funding approval.

It should be noted that while the lists of campus projects address a wide range of facilities needs, the campus programs do not meet all campus capital needs. The campuses have included projects that they believe are sufficiently defined in terms of scope and cost at this time and for which a reasonable funding plan can be defined. For example, potential projects to meet identified needs may not be included in the program because feasibility studies are underway, alternative solutions are being evaluated, or funding sources cannot be identified, especially for projects that would be approved in the fourth or fifth year of the Non-State Capital Program. Some campuses are evaluating the feasibility of capital campaigns to raise gift funds for capital purposes or are in the process of identifying the priority projects to be included in a future gift campaign.

The report includes a chapter for each campus that includes the following information:

- An overview of the campus planning context in which the projection of Non-State funded projects has been developed.
- A table that displays the list of projects that the campus estimates it will bring forward for approval during the five-year period, followed by a summary of the total project costs and anticipated fund sources that will support the Non-State Capital Program.
- A brief narrative description of each capital project proposed for funding from non-State sources during the five-year period.

The format of the tables outlining the Five-Year Non-State Capital Program is different from the way that multi-year capital programs have been presented in other documents, in order to provide additional information about proposed projects and to display the construction program already underway that is funded from non-State sources. First, each campus table includes a list of Non-State funded projects that have been previously approved (as of October 1, 2002) but are still in the design or construction phase, in order to provide information about how proposed new projects fit into the ongoing construction program on the campus. These projects are highlighted in gray.

Second, information is provided for each project that indicates the program objectives to be achieved, identifying whether the project addresses needs related to accommodating enrollment growth, providing space flexibility, providing space for new program initiatives, or correcting building deficiencies. The tables also display the scope of the project, the fund sources to be used to support the project, and the anticipated fiscal year in which project approval will be requested and the fiscal year in which it is anticipated that the project will be completed. The definitions of the data displayed in each table are presented in a Key to the Tables that precedes the list of projects in each campus section.

Note that the "approval year" for previously approved projects indicates the most recent year in which either initial project approval was obtained or a funding augmentation was approved. For example, a project may have been approved originally in 2000-01 but also received approval for a funding augmentation in 2002-03; in this instance, the approval year would be shown as 2002-03.

The campus project tables and the campus funding summary identify the fund sources by major categories that are projected to support future projects. The categories are:

- *Debt* – External borrowing.
- *Equity* – Campus funds or other University sources.
- *Gifts* – Gifts in hand, pledges, and amounts expected to be raised.
- *Capital Reserves* – Reserves associated with auxiliary and business enterprises, including hospitals, housing, parking, and other self-supporting facilities.
- *Federal* – Funds from any federal agency.
- *State* – Amount of State funds associated *only* with jointly funded State/non-State projects, consistent with the State capital program.
- *3rd Party* – Privatized development by a third party.

The campuses have had significant success over the last decade in developing facilities supported by gifts. It is difficult, however, to estimate the amount of gift funds that may be available to support capital development over the next five years, especially as some projects rely on the generosity of one or two donors. To address this issue, the campuses have included two categories of gift-funded projects in this report. First, new gift-funded projects that the campus is committed to moving forward in the five-year period are identified. Second, additional gift-funded projects that would move forward only when gift funds are available are identified in *italics* in the tables and the cost of these projects is not included in the campus funding summary.

Some campus capital development has taken place through land lease agreements and other development arrangements with third party entities, including student and faculty housing, joint-use facilities such as theaters shared with other organizations, and industry-developed research facilities. These projects are not normally included in the capital budget but rather are approved through a variety of contractual methods. Potential third party developments on the campuses are included in this report, however, in order to display the full range of capital development activities expected to take place on the campuses over the next five years. Note that project costs are not identified for privatized development and therefore are not included in the campus funding summary.

The State capital funds displayed in the project tables include *only* the amount of State funds associated with projects that are jointly funded from both State and non-State sources, and do not include all projects included in the State-funded capital improvement program. The amount of State funding is displayed in brackets [ ], to distinguish it from non-State fund sources.

BERKELEY CAMPUS

2002-03 to 2006-07 Non-State Capital Program

BERKELEY CAMPUS
2002-03 to 2006-07 Non-State Capital Program

To carry out its academic mission, the Berkeley campus must continually invest in its facilities to support the most advanced research technologies and the latest approaches to teaching. Because State capital support for this purpose is limited, the campus has turned to other fund sources to provide the level of capital investment required to recruit the best faculty, attract a highly qualified and diverse student body, support state-of-the-art education and research, and ensure safety.

Berkeley is the oldest campus in the UC system. It needs to modernize and upgrade aging space that is programmatically obsolete, lacks adequate communications and utilities infrastructure, and does not meet contemporary codes for accessibility or safety. Changing academic needs, including the emergence of new technologies and the establishment of new programs (for instance, recent initiatives in the life and physical sciences emphasizing the biomedical field, nanoscience, and interdisciplinary connections), must be accommodated. Finally, many buildings have special requirements for historic preservation and restoration that must be addressed.

Of particular concern is seismic safety. Studies in 1997 indicated that 27 percent of campus space required structural improvement. The campus's "SAFER" Plan (Seismic Action Plan for Facilities Enhancement and Renewal) guides campus planning to protect lives and ensure Berkeley's continued operation. Projects to implement this program were estimated to cost in excess of $1 billion and are scheduled over time from a variety of fund sources; a major portion of the campus's State capital budget will be directed toward solving this problem for some time to come.

Another need is to accommodate increased enrollment. Berkeley is directing as much as possible of its targeted 10-year growth of 4,000 FTE students to summer, extension, and off-campus programs to minimize the impact on its infrastructure and the surrounding community. Even with substantial summer growth, year-round laboratories and offices for increased faculty and staff are required. An additional 1,580 FTE students and 84.5 FTE faculty will be added in the period 2002-03 to 2006-07, bringing campus annual enrollment to 33,000 FTE. In preparation for a new Long Range Development Plan (LRDP), Berkeley has developed a facilities master plan to guide the "SAFER" program and account for new program initiatives not predicted in the last LRDP, and recently undertook an academic planning effort to underpin these plans with a campus strategic academic plan.

With the growth and renewal needs indicated above, a significant non-State capital program is needed to maintain Berkeley as a premier educational institution. The Berkeley campus has a successful history of supplementing State resources with private gifts for capital improvements, including major program initiatives resulting from the completion of two major fund-raising initiatives, "Keeping the Promise" and "New Century Campaign." This reliance on private generosity will continue. While the elements of a future general campaign are yet to be determined, the campus seeks funds for capital construction through targeted campaigns, most notably the Health Sciences Initiative and the two California Institutes for Science and Innovation at Berkeley.

The other major component of the non-State program addresses the capital requirements of auxiliary enterprises, particularly the need to provide student housing at affordable prices as well as to improve sports and recreation, parking, and student services facilities. The use of long-term debt remains the primary means to finance many of the projects in support of auxiliary and self-supporting programs.

KEY TO THE TABLES

Project Lists.

- ***Previously approved projects*** *(as of October 1, 2002),* currently in design or construction, are highlighted in gray.
- ***Proposed new projects*** are defined generally in terms of scope, cost, and funding, and there is a reasonable expectation that they will move forward during the five-year period.

Program Categories. The list of projects is organized into four program categories.

- ***Education and General –*** Core instruction, research and support space. Separate sections are provided for General Campus programs, Health Sciences programs, and the California Institutes for Science and Innovation.
- ***Infrastructure Development –*** Utilities, central plant, major landscape/hardscape projects.
- ***Auxiliary Enterprises and Fee-Supported Facilities –*** Self-supporting programs and facilities such as housing, student centers, recreation, parking, child care facilities.
- ***Medical Center –*** Patient care facilities and medical center support space.

Project Objectives. Identifies the primary purpose(s) of each project.

- ***Enrollment growth –*** To provide additional capacity related to student and faculty growth.
- ***Space flexibility –*** To provide more efficient and adaptable space, or provide staging space for renovation of existing buildings.
- ***Program initiatives –*** To accommodate new or expanding programs not necessarily related to enrollment growth, such as new research centers.
- ***Correct deficiencies –*** To address unsatisfactory conditions, including seismic or code deficiencies, capital renewal, technological obsolescence, or modernization needs.

Scope. Defines the size of the project, such as assignable square feet (asf).

New, Renovation or Both. Indicates whether the project involves new construction or renovation.

Total Project Cost ($000s). Provides the estimated total cost in thousands of dollars.

Fund Sources. Identifies the major categories of fund sources used to support the project.

- ***Debt –*** External borrowing.
- ***Equity –*** Campus funds or other University sources.
- ***Gifts –*** Gifts in hand, pledges, and amounts expected to be raised.
- ***Capital Reserves –*** Reserves associated with auxiliary and business enterprises, including hospitals, housing, parking, and other self-supporting programs.
- ***Federal –*** Funds from any federal agency.
- ***State –*** Amount of State funds associated *only* with jointly funded State/non-State projects, consistent with the State capital program. State funds are listed in brackets [ ] to distinguish them from non-State sources.
- ***3rd Party –*** Privatized development by a third party.

Approval Year. For previously approved projects, the most recent fiscal year in which the project or an augmentation to project funding was approved. For future projects, the anticipated fiscal year in which approval will be sought.

Occupancy Year. The fiscal year in which occupancy of the building is expected to occur.

Gift-funded Projects. New gift-funded projects that the campus is committed to move forward in the five-year period are identified. Additionally, other potential gift-funded projects that would move forward only when funding is available are identified in *italics* and the cost of these projects is not included in the campus funding summary following the list of projects.

BERKELEY CAMPUS

Five-Year Non-State Capital Program
2002-03 to 2006-07

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost ($000s)	Fund Sources	Approval Year	Occupancy Year
EDUCATION AND GENERAL											
General Campus											
Seismic Safety Corrections, Wurster Hall					X	147,743 asf	R	14,982 [16,625] 31,607	Debt, Equity, Gifts State Total	99-00	02-03
Barker Hall Renovations			X		X	53,720 asf	R	12,518	Equity	00-01	02-03
Seismic Safety Corrections, Barker Hall					X	53,720 asf	R	4,175 [13,946] 18,121	Equity State Total	00-01	02-03
Seismic Replacement Building 1			X		X	43,500 asf	N	1,000 [17,748] 18,748	Equity State Total	00-01	03-04
Barker Hall Laboratory Renovations, Step 1			X	X	X	21,500 asf	R	10,160	Equity, Gifts	01-02	02-03
Hargrove Music Library Building			X		X	23,227 asf	N	13,069	Equity, Gifts	02-03	03-04
Barker Hall Laboratory Renovations, Step 2			X	X	X	15,000 asf	R	8,000	Equity, Gifts	02-03	03-04
East Asian Library Building					X	50,500 asf	N	40,000	Gifts	02-03	06-07
Campbell Hall Replacement Building (Integrated Physical Sciences)		X		X	X	84,000 asf	N	34,600 [63,200] 97,800	Gifts State Total	03-04	08-09
Warren Hall Replacement (Health Sciences Initiative)		X		X		152,560 asf	N	179,000	Gifts	03-04	08-09
Campus Approved Projects under $5 Million 02-03			X	X	X		R	21,000	Equity, Gifts, Reserves	02-03	03-04
Campus Approved Projects under $5 Million 03-04			X	X	X		R	21,000	Equity, Gifts, Reserves	03-04	04-05
Campus Approved Projects under $5 Million 04-05			X	X	X		R	26,000	Equity, Gifts, Reserves	04-05	05-06
Campus Approved Projects under $5 Million 05-06			X	X	X		R	26,000	Equity, Gifts, Reserves	05-06	06-07

Projects in gray are approved, but have not been completed.

Projects in italics are gift-funded projects that will move forward when funding is available.

BERKELEY CAMPUS

Five-Year Non-State Capital Program
2002-03 to 2006-07

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost ($000s)	Fund Sources	Approval Year	Occupancy Year
Campus Approved Projects under $5 Million 06-07			X	X	X		R	32,000	Equity, Gifts, Reserves	06-07	07-08
California Institute											
Stanley Hall Seismic Mitigation (QB3, CITRIS)			X	X	X	42,518 asf	N	725 [18,269] 18,994	Equity State Total	00-01	05-06
Hearst Memorial Mining Building Special Laboratory (CITRIS)				X		17,325 asf	R	9,800 [200] 10,000	Gifts State Total	01-02	02-03
Hildebrand Hall Second and Third Floor Renovations (QB3)			X	X		23,100 asf	R	8,700 [700] 9,400	Gifts State Total	01-02	02-03
Stanley Quantitative Biosciences and Bioengineering Facility (QB3, CITRIS)		X	X	X	X	155,000 asf	N	108,421 [34,875] 143,296	Debt, Gifts State Total	01-02	05-06
Davis Hall North Replacement Building (CITRIS)		X	X	X	X	79,420 asf	N	30,325 [87,325] 117,650	Gifts State Total	02-03	05-06
Cory Hall Renovation (CITRIS)			X	X	X	44,000 asf	N/R	29,500 [500] 30,000	Gifts State Total	03-04	07-08
INFRASTRUCTURE DEVELOPMENT											
Utilities Infrastructure Improvements, Northeast Precinct (QB3, CITRIS)				X			N/R	5,100 [400] 5,500	Gifts State Total	01-02	02-03
AUXILIARY ENTERPRISES AND FEE-SUPPORTED FACILITIES											
Student Housing/Dining											
Central Dining and Office Facility			X		X	58,000 asf	N	46,455	Debt, Reserves	01-02	02-03
College-Durant Student Housing		X			X	120 beds	N	14,254	Debt, Reserves	01-02	02-03
Channing-Bowditch Student Housing		X			X	226 beds	N	23,436	Debt, Reserves	01-02	04-05

Projects in gray are approved, but have not been completed.

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BERKELEY CAMPUS

Five-Year Non-State Capital Program
2002-03 to 2006-07

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost ($000s)	Fund Sources	Approval Year	Occupancy Year
Student Housing/Dining											
Units 1 and 2 Infill Student Housing and Common Areas		X			X	889 beds	N/R	123,370	Debt, Reserves	01-02	04-05
University Village Redevelopment, Step 2					X	528 units	N/R	90,000	Debt, Reserves	03-04	07-08
University Village Redevelopment, Step 3		X			X	450 beds	N		3rd Party	03-04	07-08
Graduate Student Housing, Project 2		X			X	190 beds	N		3rd Party	04-05	06-07
Ellsworth North Undergraduate Student Housing		X			X	209 beds	N	35,000	Debt, Reserves	05-06	06-07
Tang Lot South Undergraduate Student Housing		X			X	209 beds	N	35,000	Debt, Reserves	05-06	06-07
Anna Head Undergraduate Student Housing		X			X	309 beds	N	55,000	Debt, Reserves	06-07	08-09
Parking and Roads											
Underhill Parking and Playing Field					X	1,000 spaces	N	34,000	Debt, Reserves	03-04	05-06
Child Care											
Child Care Facility					X	125 children	N	5,650	Equity, Gifts	02-03	04-05

Total Berkeley Campus

Projects Approved Before 2002-03

Non-State Funds	383,096
State Funds	[102,763]
Total	485,859

Projects in 2002-03 to 2006-07 Program
(excludes gift projects in italics)

Non-State Funds	715,144
State Funds	[151,025]
Total	866,169

Projects in gray are approved, but have not been completed.

Projects in italics are gift-funded projects that will move forward when funding is available.

BERKELEY CAMPUS

Five-Year Non-State Capital Program
2002-03 to 2006-07

2002-03 to 2006-07 Project Funding Summary
($000s)

Category	Debt	Equity	Federal	Gifts[1]	Capital Reserves	Category Total	State Funds
Education and General							
General Campus		64,069		328,600	8,000	400,669	[63,200]
Health Sciences							
California Institutes				59,825		59,825	[87,825]
Subtotal		64,069		388,425	8,000	460,494	[151,025]
Infrastructure Development							
Auxiliary Enterprises and Fee-Supported Facilities	230,000	3,250		2,400	19,000	254,650	
Medical Center							
Non-State Funds	230,000	67,319		390,825	27,000	715,144	

[1] Funding summary for 2002-03 to 2006-07 program does not include potential gift-funded projects listed in italics in the project table.

BERKELEY CAMPUS
2002-03 to 2006-07 Non-State Capital Program

EDUCATION and GENERAL – GENERAL CAMPUS

Seismic Safety Corrections, Wurster Hall **$ 31,607,000**

This project, which is nearing completion of construction, carries out seismic and life safety corrections in a 147,743 asf building housing the College of Environmental Design, its three departments, and two organized research units. Mandatory accessibility and fire and life safety upgrades will also be completed. The project is funded from $16,625,000 in State funds, $9,600,000 in debt financing, $4,607,000 in campus non-State funds, and $775,000 in gifts. Occupancy is scheduled during 2002-03.

Barker Hall Renovations **$ 12,518,000**

This 53,720 asf renovation project, which is nearing completion of construction, involves upgrading and expansion of the building's research infrastructure to improve the building's efficiency and functionality. The project involves upgrading and centralizing support rooms, clustering faculty who use similar resources, and increasing the number of workstations, thus facilitating more effective communication and collaboration among the Department of Molecular and Cell Biology researchers housed in the building. The project is funded from campus non-State funds, and is slated for completion during 2002-03.

Seismic Safety Corrections, Barker Hall **$ 18,121,000**

This is the first of a series of projects to modernize and improve Barker Hall by correcting serious code deficiencies and improving the building's research capacity for the Department of Molecular and Cell Biology and other life sciences programs. The project, which is nearing completion of construction, implements seismic and mandatory fire, life safety, and ADA improvements in this 53,720 asf building. The project provides major exterior concrete sheer walls and collectors on each side of the building, new foundations, improved structural connections, and roof bracing. Barker Hall will have a seismic rating of "Good" upon completion of the project. Project funding includes $13,946,000 in State funds and $4,175,000 in campus non-State funds. Completion is planned for 2002-03.

Seismic Replacement Building 1 **$ 18,748,000**

This new building, which is in construction, involves construction of a 43,500 asf office and dry laboratory building. The project initially will provide space for units that must be temporarily relocated while seismic corrections are being made in other buildings. It will be used permanently to replace space for two other campus buildings that will be demolished and that now house programs in the School of Public Health and in International and Area Studies, among others. It is funded from $17,748,000 in State funds and $1,000,000 from campus non-State funds. The building is scheduled for occupancy during 2003-04.

Barker Hall Laboratory Renovations, Step 1 **$ 10,160,000**
This project, which is in the construction phase, involves modernization and improvement to the building by correcting serious code deficiencies, renovating the fourth, fifth, and sixth floors, and constructing a new tissue culture facility on the third floor. One in a series of projects to modernize Barker Hall, this 21,500 asf project will be carried out while the building is vacant for seismic corrections. The project is funded using $8,160,000 in campus non-State funds and $2,000,000 in gift funds. Occupancy is scheduled for 2002-03.

Hargrove Music Library Building **$ 13,069,000**
A new library building of 23,227 asf, beginning in the construction phase, will house the collections and include compact shelving, study areas, and support functions for the Jean Gray Hargrove Music Library. The facility will meet the growth needs of the Hargrove Library for 20 years after occupancy, and will release space to be reassigned to the Department of Music to meet space deficiencies of that unit. It is funded from $11,000,000 in gifts and $2,069,000 in campus non-State funds. Occupancy is scheduled during 2003-04.

Barker Hall Laboratory Renovations, Step 2 **$ 8,000,000**
This project will involve renovation of 15,000 asf of laboratory space on the first, second, and third floors of Barker Hall to complete the modernization of the building's laboratory research space for programs in the biological sciences. The renovated space will serve faculty in the School of Public Health and in the Wills Neuroscience Institute. The project will be funded from campus non-State funds and gift funds. It will be completed in 2003-04.

East Asian Library Building **$ 40,000,000**
This project will construct a new building of 50,500 asf on a site north of Memorial Glade between McCone Hall and Haviland Hall. It will house the East Asian Library, a campus branch library that is currently in inadequate space in several campus locations. The project will be funded from gift funds, and completion is scheduled in 2006-07.

Campbell Hall Replacement Building (Integrated Physical Sciences) **$ 97,800,000**
This project will replace Campbell Hall with an approximately 84,000 asf integrated physical sciences building. Campbell Hall is a 40,362 asf building that is rated seismically "Poor" and for which structural rehabilitation and modernization is not an economically viable solution. The new building will provide state-of-the-art laboratories and other improved space for the departments of Physics and Astronomy. These departments are overcrowded and much of their current space is programmatically obsolete. The project will be funded from State funds and gift funds. Completion is expected in 2008-09.

Warren Hall Replacement (Health Sciences Initiative) **$ 179,000,000**
This project will involve construction of a new 152,560 asf facility on the current site of Warren Hall. It will include the following elements: approximately 32 research laboratories and offices for faculty in the School of Public Health, the Wills Neuroscience Institute, and the College of Natural Resources; related laboratory support space; non-laboratory space for an additional 12 to 15 Public Health faculty; the Public Health Library; and four general assignment classrooms. The project will be funded from gift funds, with completion anticipated in 2008-09.

Campus Approved E & G Projects under $5 Million	**2002-03**	**$ 21,000,000**
	2003-04	**$ 21,000,000**
	2004-05	**$ 26,000,000**
	2005-06	**$ 26,000,000**
	2006-07	**$ 32,000,000**

EDUCATION and GENERAL – CALIFORNIA INSTITUTES

Stanley Hall Seismic Mitigation (QB3, CITRIS) $ 18,994,000
The project will mitigate the seismic hazard in Stanley Hall, a 42,518 asf biology building that is rated seismically "Poor," and for which structural rehabilitation is not economically viable. The major seismic deficiencies include inadequate shear strength, non-ductile detailing of the exterior walls, and structural irregularities and discontinuities; the building has significant fire and life safety and accessibility deficiencies. Mitigation will be accomplished by demolition of the building and replacement with an expanded, modern biological sciences facility that will accommodate existing programs and new initiatives. Funding is from State funds ($18,269,000) and campus non-State funds ($725,000). The project, in working drawings, is not independent, but is integral with the Stanley Quantitative Biosciences and Bioengineering Facility project. Completion will be in 2005-06.

Hearst Memorial Mining Building Special Laboratory (CITRIS) $ 10,000,000
This project, part of the improvements to Hearst Memorial Mining Building, involves renovation of 17,325 asf to provide laboratory and office space in the Hearst Memorial Mining Building for the Center for Information Technology Research in the Interest of Society (CITRIS), one of the four California Institutes for Science and Innovation. Facilities include special nanotechnology imaging and interface research laboratories; space for the Berkeley Institute of Design, a complementary component of CITRIS; computational workspace; technologically sophisticated meeting rooms; and office space. The work, in the construction stage, is funded from State funds ($200,000) and gift funds ($9,800,000), with completion planned in 2002-03.

Hildebrand Hall Second and Third Floor Renovations (QB3) $ 9,400,000
This renovation project, which is nearing completion of construction, provides 23,100 asf for a part of Berkeley's Institute for Bioengineering, Biotechnology, and Quantitative Biomedical Research (QB3), one of the four California Institutes for Science and Innovation, until the replacement for Stanley Hall is completed. The project will modernize 35-year-old chemistry laboratories to make them suitable for modern research in the life sciences. The project is funded from $8,700,000 in gift funds and $700,000 in State funds, with occupancy scheduled for 2002-03.

Stanley Quantitative Biosciences and Bioengineering Facility (QB3, CITRIS) $143,296,000
This project involves construction of a new building to house existing programs from Stanley Hall as well as the Institute for Bioengineering, Biotechnology, and Quantitative Biomedical Research (QB3) and a special laboratory associated with the Center for Information Technology Research in the Interest of Society (CITRIS). QB3 and CITRIS are two of the four California Institutes for Science and Innovation. The 155,000 asf building, to be constructed on the present site of Stanley Hall, will provide research and teaching laboratories, offices, and support space to bring together

physical, biological, and health scientists and engineers working at the intersections of their disciplines. The building includes space for the newly established Bioengineering Department, as well as portions of the Molecular and Cell Biology, Chemistry, and Physics departments. It includes ultra-high-field NMR and imaging facilities; a bio-nanotechnology center; a multi-media center; meeting rooms; and other research and administrative support space. The project is in the working drawings phase and is funded with $34,875,000 in State funds, $15,000,000 in debt financing, and $93,421,000 in gift funds. Completion is anticipated in 2005-06.

Davis Hall North Replacement Building (CITRIS) **$ 117,650,000**

This project, to be located on the site of old Davis Hall, will provide a new building of approximately 79,420 asf to serve as the permanent headquarters for CITRIS. The new facility will allow the Institute to support developments and teams representing Institute-sponsored research, and to integrate emerging infrastructure prototypes with new microelectronics technologies and pervasive applications. A total of 18,705 asf in the building will serve as the headquarters and main silicon fabrication component of the Integrated Microfabrication Facility (IMF). The IMF will include a state-of-the-art clean-room to support the design of microsensors and actuators needed to build Societal-Scale Information Systems. The building also includes a 9,545 asf Lifelong Learning Center to enhance distance participation and extended learning. The project will be funded from State funds and gifts. The project is in the preliminary planning phase and completion is scheduled in 2005-06.

Cory Hall Renovation (CITRIS) **$ 30,000,000**

This future renovation and expansion project will provide additional space in Cory Hall for the CITRIS program that could ultimately involve as much as 44,000 asf, including construction of a second floor mezzanine, which would add 7,300 asf for a new networking center, and alteration of 36,700 asf for other CITRIS research. The project will be funded from State funds and gifts. Completion is anticipated in 2007-08.

INFRASTRUCTURE

Utilities Infrastructure Improvements, Northeast Precinct (QB3, CITRIS) **$ 5,500,000**

This project involves improvements to eight underground utility systems in the northeast precinct of the campus to support increased capacity required by facilities to be constructed for QB3 and CITRIS, principally the Stanley Quantitative Biosciences and Bioengineering Facility and the Davis Hall North Replacement Building. Work addresses infrastructure capacity needs for steam, natural gas, data and telecommunications, 12 kV electrical distribution, sanitary sewer, storm drainage, electrical distribution for street lighting, and fire alarm connections. The project, which is under construction, is funded from $5,100,000 in gift funds and $400,000 in State funds. Completion is anticipated during 2002-03.

AUXILIARY ENTERPRISES and FEE-SUPPORTED FACILITIES

Student Housing/Dining

Central Dining and Office Facility **$ 46,455,000**
This project is under construction and provides a 58,000 asf building to be located on the west end of the block encompassed by Channing, Haste, College, and Bowditch, south of the main campus. It includes 31,500 asf for dining facilities and 26,500 asf for office space. The first floor level, 900-seat capacity dining facility will replace the dining facilities in Residence Halls Units 1 and 2 that are seismically unsafe. Three additional levels consolidate office functions for housing, dining, and childcare employees and programs, currently in ten buildings at seven temporary locations that are of poor quality and functionality. The Central Dining and Office Facility has a higher than standard level of earthquake resistance to allow it to be reoccupied and to provide food services and housing information immediately after a significant earthquake. The project is funded from debt financing ($22,000,000) and housing reserves ($24,455,000). Occupancy is planned for 2002-03.

College-Durant Student Housing **$ 14,254,000**
This project was completed in fall 2002 and provides a 120-bed complex of two, three, four, five, and six bedroom units for upper division students in single occupancy bedrooms, plus a resident assistant apartment unit and associated student facilities. Each apartment unit includes a kitchen, living room, and compartmentalized bathroom. The single bedroom units are appropriate for upper division and graduate students. The project was funded from $10,655,000 in debt financing and $3,599,000 in housing reserves.

Channing-Bowditch Student Housing **$ 23,436,000**
The project, which is in the working drawings phase, provides 226 beds for upper division students in apartments of primarily two bedrooms (four students per apartment), and two resident assistant studio units, on a University-owned site south of the Berkeley campus. Existing temporary buildings and parking will be removed from the site. Each unit includes a kitchen, living room, and bathroom, with the units arranged off double-loaded corridors. Common-use areas include a recreation and a laundry room, vending space, and a study lounge on each floor. The project is funded with $20,530,000 in debt financing and $2,906,000 from housing reserves. Completion is scheduled for 2004-05.

Units 1 and 2 Infill Student Housing and Common Areas **$ 123,370,000**
The project involves 889 new beds, construction of 23,500 asf of new support space, and improvements to 31,030 asf of housing support facilities at Residence Halls Units 1 and 2. Each of the two residence halls currently houses approximately 935 students in four, nine-story towers surrounding a dining facility that will be replaced by the new Central Dining and Office Facility. This project, which is under construction, involves replacement of the original dining facilities with an open courtyard. Four new buildings will provide 690 beds in three residence halls and 199 beds in an apartment building. The residence hall beds are in double-occupancy bedrooms. The beds in the apartment building are also in double-occupancy bedrooms and include a kitchen and living-dining area. The project is funded with debt financing ($112,200,000) and housing reserves ($11,170,000). Completion is planned for 2004-05.

University Village Redevelopment, Step 2 **$ 90,000,000**

This 50,000 asf project will involve renovation of the 412 remaining units built in the 1960s at the University Village student-family housing complex in Albany. The work will include life safety improvements; corrections involving water intrusion, code violations, and potential life safety hazards; and program improvements. An alternative under consideration is replacement of these units, plus 116 of the 152 remaining 1940s units not replaced in Step 1, creating 528 new (replacement) units of one, two, or three bedrooms. The alternative, although more costly, would address additional longer-term housing needs and would make better use of the site. The campus anticipates completion during 2007-08. The project will be funded with debt financing and housing reserves.

University Village Redevelopment, Step 3 **3rd Party**

This project, a third-party development, will involve development of new graduate student and faculty housing as part of a mixed-use construction program on 26 acres adjacent to existing family housing at University Village in Albany. Fourteen acres of the redevelopment site have been used for research and support functions of the College of Natural Resources that will be relocated; the remaining 12 acres include existing housing to be replaced under Step 2. Third-party developers will be asked to propose facilities for a minimum of 200 units (450 beds) for graduate students and nontenured faculty without children. The project will also include community, recreation, and support facilities, an infant-toddler day care facility for 36 children, and commercial facilities. The project will help meet the campus's need for this type of housing, and the commercial uses are expected to help finance the community and child care facilities. Completion is planned for 2007-08.

Graduate Student Housing, Project 2 **3rd Party**

This project, for which a final concept has not yet been developed, will provide 190 beds of single graduate student housing on a site to be identified. The scope of the project is based on a generic program for a three- to four-story wood frame building on a major transit corridor within a 20-minute transit ride of the campus. The apartments would have single-occupancy bedrooms to accommodate first-year graduate students. The campus is preparing a housing master plan to address demand over the next 20 years, and property acquisition and third party development related to this and other similar projects will be critical implementation strategies. The current assumption for this project is that the campus will acquire property and lease it, at a rate sufficient to cover campus costs, to a third party who will be responsible for developing and managing the housing. Completion of the project is anticipated during 2006-07.

Ellsworth North Undergraduate Student Housing **$ 35,000,000**

This project, for which a final concept has not yet been developed, will provide 209 beds for undergraduate students on the northern portion of the Parking Structure C site at Channing Way and Ellsworth Street. The project may include replacement of some existing on-site parking, currently used by residence hall and commuter students, and relocation of existing recreation facilities on the upper level of the parking structure. The project will be a three- to four-story wood-frame building, with multiple bedroom apartments with shared kitchens, bathrooms and living-dining rooms. The bedrooms will be double-occupancy and will meet the increasing demand for University housing by

sophomore students. Funding is planned from debt financing and housing reserves, with completion anticipated during 2006-07.

Tang Lot South Undergraduate Student Housing **$ 35,000,000**
This project, for which a final concept has not yet been developed, will provide 209 beds on the south portion of the Tang Center parking lot, across from Edwards Track Stadium at the southeast corner of the campus. The building will be similar to the planned Ellsworth North project, designed to meet sophomore student demand, with two double-occupancy bedrooms per apartment as the typical unit and a three- to four-story wood-frame structure. Existing parking might be replaced on the site as part of a larger redevelopment of the property to provide mixed uses, including offices on the northern portion of the site and underground parking. Funding is planned from debt financing and housing reserves, with completion anticipated during 2006-07.

Anna Head Undergraduate Student Housing **$ 55,000,000**
This project, for which a final concept has not yet been developed, will provide 309 beds on a portion of the parking lot adjacent to the Anna Head complex three blocks south of the main campus. Existing parking might be replaced on the site. The building will be similar to the planned Ellsworth North project, designed to meet undergraduate student demand, with two double-occupancy bedrooms per apartment as the typical unit and a three- to four-story wood-frame structure. Funding is planned from debt financing and housing reserves, with completion anticipated during 2008-09.

Parking and Roads

Underhill Parking and Playing Field **$ 34,000,000**
This project, located between Residence Halls Units 1 and 2, is a part of the Underhill Area Master Plan. It will replace the Underhill parking structure and playing field demolished in 1993 because of severe structural deficiencies. The new structure will provide parking for a maximum of 1,000 cars, as well as a replacement recreation field on the top level of the structure. The project will be funded with debt financing and parking reserves. Completion is planned for 2005-06.

Child Care

Child Care Facility **$ 5,650,000**
The project will provide a two-story 7,500 asf facility, to accommodate 125 infants, toddlers, and pre-school children in a mixed-use, residential area south of the Berkeley campus. The site is currently a University-owned surface parking lot. Subject to further assessment of feasibility, a one-story University-owned house at 2509 Haste Street that has been designated a landmark by the City of Berkeley would be moved, sited adjacent to the new building, and raised to create a second floor, which would provide an additional 2,000 asf. The project will also include 12,100 square feet of outdoor play space. Funding will be from campus non-State funds, non-State funds available to the President, and gift funds. Completion is anticipated during 2004-05.