

UNIVERSITY OF CALIFORNIA

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

EXECUTIVE VICE PRESIDENT—
CHIEF FINANCIAL OFFICER

OFFICE OF THE PRESIDENT
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January 30, 2018

The Honorable Holly J. Mitchell
Chair, Joint Legislative Budget Committee
State Capitol, Room 5080
Sacramento, CA 95814

Mr. Michael Cohen
Director of Finance
State Capitol, Room 1145
Sacramento, CA 95814

Dear Senator Mitchell and Director Cohen:

Pursuant to Sections 92493, *et seq.* of the Education Code, enclosed is the University of California's progress report on the scope, funding, and current status of capital expenditures funded under these provisions of the Education Code.

If you have any questions regarding this report, Associate Vice President Peggy Arrivas would be pleased to speak with you. She can be reached by telephone at (510) 987-9067, or by e-mail at Peggy.Arrivas@ucop.edu.

Sincerely,

Nathan Brostrom
Executive Vice President – Chief Financial Officer

Enclosures (4):

- University of California, Capital Assets Strategies. State General Funds for Capital Improvements Status Report. December 31, 2017.
- June 2017, UC Los Angeles. CHS – SOM West Seismic Renovation, Project Planning Guide Addendum.
- July 2017, Agriculture and Natural Resources. Intermountain REC Field Laboratory and Multipurpose Facility.
- August 2017, Interdisciplinary Science and Engineering Building, Project Planning Guide Amendment.

cc: President Napolitano
Ms. Finn, Department of Finance
Mr. Katz, Department of Finance
Mr. Lief, Department of Finance
Ms. Lukenbill, Department of Finance
Mr. Katz, Department of Finance
Mr. Osmena, Department of Finance
Mr. Constantouros, Legislative Analyst's Office
Ms. McGee, Legislative Analyst's Office
Ms. Troia, Joint Legislative Budget Committee

State General Funds for Capital Improvements Status Report

January 30, 2018

Page 2

Ms. Black, Senate Budget and Fiscal Review Committee

Ms. Lee, Senate Budget and Fiscal Review Committee

Mr. Martin, Assembly Budget Committee

Mr. Wilson, Chief Clerk of the Assembly

Ms. Leach, Office of the Chief Clerk of the Assembly

Ms. Boyer-Vine, Legislative Counsel

Mr. Lasky, Legislative Counsel Bureau

Associate Vice President Arrivas

Associate Vice President Flaherty

Chief of Staff Gabriel

Executive Director Stimpson

Director Santa Cruz

Director Yin

Associate Director Virtanen

Budget Analyst Olmos



University of California
Capital Assets Strategies
**STATE GENERAL FUNDS
FOR CAPITAL IMPROVEMENTS
STATUS REPORT**

December 31, 2017

2013-14 Budget for State Capital Improvements (\$000s)

| Campus | Project | Phase | 2013-14 Request | Page No. |
|---------------|--|-------|-----------------|----------|
| ANR * | REC Facilities Renewal and Improvements | PWC | 1,850 | 6 |
| Davis | Walker Hall Renewal and Seismic Corrections | PW | 2,731 | 13 |
| Los Angeles | CHS Seismic Correction and Fire Life Safety | C | 48,349 | 18 |
| Merced | Central Plant/Telecommunications Reliability Upgrade | PW | 1,400 | 22 |
| Merced | Classroom and Academic Office Building | C | 45,144 | 23 |
| San Francisco | Clinical Sciences Building Seismic Retrofit | W | 2,800 | 30 |
| Santa Barbara | Academic Support Facility | C | 26,505 | 32 |
| Santa Cruz | Coastal Biology Building | W | 3,530 | 35 |
| Total | | | 132,309 | |

2014-15 Budget for State Capital Improvements (\$000s)

| Campus | Project | Phase | 2014-15 Request | Page No. |
|---------------|--|-------|-----------------|----------|
| ANR* | Intermountain REC Field Lab & Multipurpose Facility | PW | 200 | 5 |
| Berkeley | Tolman Hall Seismic Replacement (Berkeley Way West) | WC | 75,000 | 10 |
| Davis | Chemistry Seismic and Life Safety Corrections | PW | 3,482 | 12 |
| Davis | Walker Hall Renewal and Seismic Corrections | C | 27,917 | 13 |
| Irvine | Business Unit 2 | E | 1,094 | 14 |
| Irvine | Primary Electrical Improvements Step 4 | DC | 19,462 | 17 |
| Merced | Central Plant/Telecommunications Reliability Upgrade | C | 15,183 | 22 |
| San Diego | Campus Life Safety Improvements | WC | 49,010 | 29 |
| Santa Barbara | Infrastructure Renewal Phase 1 | C | 12,136 | 34 |
| Santa Cruz | Coastal Biology Building | C | 64,127 | 35 |
| Santa Cruz | Life Safety Upgrades | PWC | 10,201 | 37 |
| Total | | | 277,812 | |

* Division of Agriculture and Natural Resources

2015-16 Budget for State Capital Improvements (\$000s)

| Campus | Project | Phase | 2015-16 Request | Page No. |
|---------------|---|-------|-----------------|----------|
| ANR* | Intermountain REC Field Lab & Multipurpose Facility | C | 1,786 | 5 |
| Berkeley | Wheeler Hall – Capital Renewal | WC | 19,400 | 11 |
| Davis | Chemistry Seismic and Life Safety Corrections | C | 31,076 | 12 |
| Irvine | Fire and Life Safety Improvements Phase 1 | DC | 34,290 | 15 |
| Los Angeles | CHS-SOM West Seismic Renovation | C | 25,000 | 18 |
| Merced | Classroom and Academic Office Building | E | 4,805 | 23 |
| Riverside | Batchelor Hall Building Systems Renewal | WC | 17,777 | 25 |
| Riverside | Environmental Health and Safety Expansion | E | 369 | 26 |
| Riverside | Pierce Hall Improvements | PWC | 34,680 | 27 |
| San Diego | Biological and Physical Sciences Building | C | 55,800 | 28 |
| San Francisco | Clinical Sciences Building Seismic Retrofit | C | 21,735 | 30 |
| Santa Barbara | Campbell Hall Replacement Building | PWCE | 15,787 | 33 |
| Santa Cruz | Coastal Biology Building | E | 2,000 | 35 |
| Santa Cruz | Environmental Health and Safety Facility | C | 19,437 | 36 |
| Santa Cruz | Telecommunications Infrastructure Phase B | C | 12,623 | 38 |
| Total | | | 296,565 | |

** Division of Agriculture and Natural Resources*

2016-17 Budget for State Capital Improvements (\$000s)

| Campus | Project | Phase | 2016-17 Request | Page No. |
|--------|------------|-------|-----------------|----------|
| Merced | State 2020 | PWCE | 527,300 | 24 |
| Total | | | 527,300 | |

2017-18 Budget for State Capital Improvements (\$000s)

| Campus | Project | Phase | 2017-18 Request | Page No. |
|---------------|---|-------|-----------------|----------|
| Berkeley | 2223 Fulton Seismic Demolition | WC | 3,050 | 7 |
| Berkeley | Giannini Hall Seismic Safety Corrections | PW | 3,250 | 8 |
| Berkeley | Seismic Safety Studies - Evans Hall & Hearst Memorial Gym | P | 1,700 | 9 |
| Irvine | Interdisciplinary Sciences and Engineering Building (formerly known as the Interdisciplinary Sciences Building) | DC | 50,000 | 16 |
| Los Angeles | CHS-NPI Seismic Correction | C | 25,000 | 20 |
| Los Angeles | Franz Hall Tower Seismic Renovation | C | 25,000 | 21 |
| San Francisco | Health Sciences Instruction & Research Life Safety Improvements | D | 3,000 | 31 |
| Systemwide | 2017-18 Systemwide State Deferred Maintenance Program | PWCE | 50,000 | 39 |
| Total | | | 161,000 | |

Intermountain REC Field Laboratory and Multipurpose Facility
Division of Agriculture and Natural Resources

SCOPE

This project will provide approximately 3,800 assignable square feet (4,400 gross square feet) of field laboratory and community meeting space at the Intermountain Research and Extension Center in the rural area of Tullake, California. The meeting and research space will support the agricultural community by providing the latest tools and techniques in weed, insect, and disease control as well as water management and plant nutrition.

STATUS

The project was approved to bid in October 2016; however the bids received exceeded the budget. The project was significantly re-designed in favor of a more cost effective solution on a different site at the same location. Office of the President approved a July 2017 Project Planning Guide (PPG) Amendment along with acceptance of working drawings and authorization to re-bid the project. The PPG Amendment, included with this submittal, describes the changes to the project that allow it to be completed with no increase to the construction budget. In September 2017 the division was approved to award the construction contract. The original completion date of October 2017 has been revised to June 2018 to accommodate the time needed to re-bid the new design.

FUNDING

State General Funds for preliminary plans and working drawings were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for construction were approved in 2015-16 using the same funding mechanism. A portion of working drawings and all of the equipment will be funded with non-State resources. There was an increase to the working drawing phase budget (\$35,000) using non-State resources to cover costs associated with the re-design.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|--------------------|
| Preliminary Plans | 100% | \$75,000 | | \$75,000 |
| Working Drawings | 100% | \$125,000 | \$35,000 | \$160,000 |
| Construction | 40% | \$1,786,000 | | \$1,786,000 |
| Equipment | 0% | | \$100,000 | \$100,000 |
| Totals | | \$1,986,000 | \$135,000 | \$2,121,000 |

REC Facilities Renewal and Improvements

Division of Agriculture and Natural Resources

SCOPE

This project will renovate obsolete facilities at several Research and Extension Centers, operated by the Division of Agriculture and Natural Resources. These renovations will convert unused facilities into usable research and meeting space. Some of the work associated with this project includes: roof replacement; heating, cooling, and ventilation system replacement; interior remodeling and improvements; and installation of solar panels. These projects will directly benefit seven counties throughout the state of California by providing research and education to those communities.

STATUS

The project is being procured in two bid packages. The Division awarded the first bid package in September 2016. The Division anticipates awarding the second bid package in March 2018. Project completion is expected in September 2018, which is a 14 month delay from the original schedule. The delay is associated with staffing shortages at the Division, which has been resolved with the hiring and training of an additional project manager.

FUNDING

State General Funds for preliminary plans, working drawings, and construction were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for the construction phase is also being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$80,000 | | \$80,000 |
| Working Drawings | 100% | \$80,000 | | \$80,000 |
| Construction | 25% | \$1,690,000 | \$200,000 | \$1,890,000 |
| Totals | | \$1,850,000 | \$200,000 | \$2,050,000 |

2223 Fulton Seismic Demolition

Berkeley

SCOPE

This project will demolish the seismically deficient 2223 Fulton building on the Berkeley campus. Once the demolition is complete, the project will provide needed site restoration. The site restoration includes sidewalk repair, re-grading, replacement lighting, tree replacement, and an on-site retention basin. Working drawings and construction funds of \$3,050,000 is requested to be funded under the funding mechanism authorized in accordance with Sections 92493 through 92496 of the Education Code, as added by Chapter 50 of the Statutes of 2013, Assembly Bill 94. The project also includes non-State resources that will fund preliminary plans and working drawings in 2016-17.

STATUS

The project is currently in working drawings. The campus anticipates bidding the demolition package in February 2018. Project completion is expected in July 2018 which would be one month ahead of the original schedule.

FUNDING

Funding for a portion of the working drawings and construction of the project was approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code. Funding for preliminary plans and a portion of the working drawings is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|--------------------|
| Preliminary Plans | 100% | | \$100,000 | \$100,000 |
| Working Drawings | 100% | \$60,000 | \$60,000 | \$120,000 |
| Construction | 0% | \$2,990,000 | | \$2,990,000 |
| Equipment | 0% | | | |
| Totals | | \$3,050,000 | \$160,000 | \$3,210,000 |

Giannini Hall Seismic Safety Corrections

Berkeley

SCOPE

This project will reinforce the structural components of historic Giannini Hall to improve its resistance to seismic forces and provide substantial life safety protection to its occupants during a large seismic event. Giannini Hall is home to the: College of Natural Resources; Departments of Environmental Science, Policy, and Management; and Agricultural and Resource Economics.

STATUS

The project is currently in preliminary plans. The campus anticipates bidding the project in July 2018. Project completion is still expected in March 2020.

FUNDING

Funding for preliminary plans and working drawings of the project was approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code. Funding for construction has been requested in the 2018-19 Budget under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 95% | \$1,000,000 | | \$1,000,000 |
| Working Drawings | 0% | \$2,250,000 | | \$2,250,000 |
| Construction | 0% | \$35,950,000 | | \$35,950,000 |
| Totals | | \$39,200,000 | | \$39,200,000 |

Seismic Safety Studies - Evans Hall & Hearst Memorial Gym

Berkeley

SCOPE

This project will provide preliminary plan phase information for seismic corrections of two State supportable Building - Evans Hall and Hearst Memorial Gymnasium. The studies will update structural, mechanical and infrastructure analysis, and develop plans and estimated costs for both buildings. Once a building remediation strategy is defined, the project will continue with development of scope, budget, and schedule.

STATUS

The project is currently in the preliminary planning phase. The campus anticipates completing the study project in July 2018.

FUNDING

Partial preliminary plans funding of \$1,700,000 for the project was approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|--------------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | | | | |
| Evans Hall | 5% | \$1,100,000 | | \$1,100,000 |
| Preliminary Plans Hearst | | | | |
| Memorial Gymnasium | 5% | \$600,000 | | \$600,000 |
| Totals | | \$1,700,000 | | \$1,700,000 |

Tolman Hall Seismic Replacement (Berkeley Way West)

Berkeley

SCOPE

This project will construct a new academic building that would replace the existing Tolman Hall, a 138,600 assignable square feet (247,000 gross square feet) reinforced concrete building that has a Level V seismic rating (per California Building Code) and is the campus' most urgent priority for seismic remediation. The new building would also provide modern instruction and research space that would improve upon Tolman Hall's mid-20th century-era spaces and systems that inhibit instruction, research, and student-faculty collaboration space. The project also includes demolishing the seismically deficient Tolman Hall. In May 2015, the Board of Regents approved a budget and scope increase to be funded with non-State funds. The additional scope maximizes the use of the site and adds critically needed office space, primarily for campus administrative use. The scope and budget of the State portion of the project is unchanged.

STATUS

The project is being procured in four bid packages. The project is currently in construction and the campus has awarded three of the four bid packages. The campus anticipates bidding the fourth bid package in May 2018. Project completion is expected in February 2019, which is a 5 month delay from the original schedule. The delay is associated with unanticipated additional abatement requirements for the demolition of Tolman Hall.

FUNDING

Funding for constructing the State supportable portion of the project was approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for constructing the non-State supportable portion of the project is being provided by non-State resources. Funding for preliminary plans, working drawings, and equipment is also being provided by non-State resources. In May 2015, the Board of Regents approved a budget increase to be funded with non-State funds.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$9,595,000 | \$9,595,000 |
| Working Drawings | 100% | | \$8,410,000 | \$8,410,000 |
| Construction | 90% | \$75,000,000 | \$78,315,000 | \$153,315,000 |
| Equipment | 90% | | \$13,680,000 | \$13,680,000 |
| Totals | | \$75,000,000 | \$110,000,000 | \$185,000,000 |

Wheeler Hall — Capital Renewal

Berkeley

SCOPE

This project includes the following two phases of a multi-phase project: 1) replacement of the existing obsolete mechanical system, installation of new electrical and telecom equipment, and building of new electrical and telecom rooms on each floor; and 2) distribution of services including heat, cooling, power, and data throughout Wheeler Hall.

STATUS

Wheeler Hall was reoccupied for the fall 2017 Semester. The project commissioning of building systems is being completed.

FUNDING

Funding for a portion of working drawings and the entirety of construction was approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for the remaining portion of working drawings and all of preliminary plans is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$350,000 | \$350,000 |
| Working Drawings | 100% | \$350,000 | \$750,000 | \$1,100,000 |
| Construction | 95% | \$19,050,000 | | \$19,050,000 |
| Totals | | \$19,400,000 | \$1,100,000 | \$20,500,000 |

Chemistry Seismic and Life Safety Corrections

Davis

SCOPE

The Chemistry Seismic and Life Safety Corrections (Chemistry Seismic) project as originally approved was intended to improve fire suppression and improve the seismic performance to Level III ("Good") of the Chemistry Building (currently Level V-VI) and the Chemistry Annex Building (currently Level VI). In addition, the project includes replacing fume hoods, emergency showers, and landscaping disturbed by seismic work.

Due to logistical constraints, a portion of the seismic work and a portion of the fire suppression work will be accomplished as part of the non-State funded Chemistry Addition and Phase 1 Renovation project. The Chemistry Seismic project is now scheduled to be complete in April 2019 and the non-State funded Chemistry Addition project in February 2021. These two projects together will bring both the Chemistry Building and the Chemistry Annex to a UC Performance Level of III ("Good") and provide 100% fire suppression, satisfying the goals of the Chemistry Seismic project. A detailed description of the deferred scope was included in the March 2017 Project Planning Guide (PPG) Amendment submitted in June 2017 Update. No additional funds are associated with the PPG Amendment.

STATUS

The PPG Amendment was previously submitted.

The project is being procured in three bid packages. The project anticipates awarding the first bid package (Fire Suppression) in February 2018, followed by the Chemistry Annex Seismic package in May 2018 and the Chemistry Seismic package in August 2018. The project has been delayed by the complexity of the structural analysis and structural retrofits required to bring the buildings to a Level III, and the need to coordinate swing space to minimize disruptions to researchers.

FUNDING

State General Funds for preliminary plans and working drawings were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for construction were approved in 2015-16 using the same funding mechanism.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$1,915,000 | | 1,915,000 |
| Working Drawings | 65% | \$1,567,000 | | \$1,567,000 |
| Construction | 0% | \$31,076,000 | | \$31,076,000 |
| Totals | | \$34,558,000 | | \$34,558,000 |

Walker Hall Renewal and Seismic Corrections

Davis

SCOPE

This project will correct seismic, accessibility, and building code deficiencies of the 44,415 gross square foot building. The renovated building will provide approximately 27,000 assignable square feet to serve State-supportable student services and programs, and classroom space for 450 students. The project will also replace all of the building mechanical systems and renew the original shell of the 85 year old building. The project scope was amended to clarify the scope of work to reflect details in planning and changes to instructional pedagogy since the original project approval.

STATUS

Preliminary plans and working drawings are complete and the campus is preparing the project to go out to bid.

Project completion is scheduled for June 2019, a 17 month delay. This delay is the result of the complexity of review and modifications to the historic structure. The delay also is due to changes requested in classroom style to conform to emerging teaching pedagogy, resulting in the reconfiguration of the classroom spaces and confirmation of details during programming.

FUNDING

State General Funds for preliminary plans and working drawings were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for construction were approved in 2014-15 under the same funding mechanism. Funding for working drawings, construction, and equipment is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$1,394,000 | | \$1,394,000 |
| Working Drawings | 100% | \$1,337,000 | \$163,000 | \$1,500,000 |
| Construction | 0% | \$27,917,000 | \$2,037,000 | \$29,954,000 |
| Equipment | 0% | | \$521,000 | \$521,000 |
| Total | | \$30,648,000 | \$2,721,000 | \$33,369,000 |

Business Unit 2 – Equipment

Irvine

SCOPE

The project equips the approximately 31,750 assignable square feet (ASF) of State-supportable space in the new 47,000 ASF Business Unit 2 building to support instruction and research activities in the Paul Merage School of Business. The new building includes instruction, research, and office space.

STATUS

The building is complete, as scheduled. All equipment was procured in January 2015.

FUNDING

Funding for design and construction was initially provided by State lease revenue bonds. These lease revenue bonds (LRBs) were retired as part of the UC-issued LRB restructuring in fall 2013. State General Funds for equipment were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$1,116,000 | \$1,116,000 |
| Working Drawings | 100% | | \$1,941,000 | \$1,941,000 |
| Construction | 100% | | \$41,194,000 | \$41,194,000 |
| Equipment | 100% | \$1,094,000 | \$3,281,000 | \$4,375,000 |
| Totals | | \$1,094,000 | \$47,532,000 | \$48,626,000 |

Fire and Life Safety Improvements Phase 1 Irvine

SCOPE

The Fire and Life Safety Improvements Phase 1 project will address a number of urgent fire and life-safety issues in academic areas of the Irvine campus, including the installation of fire sprinkler systems throughout two laboratory buildings—Rowland Hall and Reines Hall—and in the breezeway of a third—Engineering Laboratory Facility—as well as the replacement of obsolete fire alarm systems in 13 academic buildings and one campus support building, thereby improving the safety of over 500,000 assignable square feet in UCI's academic core. In addition, the project includes installation of a new fire suppression water line for the academic core of the campus in general.

The approved Project Planning Guide (PPG) included partial upgrade of the alarm system in the Ayala Science Library. Subsequently, the campus elected to complete all of the fire alarm upgrades in the Science Library as a single phase supported entirely by non-State funds. The amended project substitutes fire-safety improvements in six State-supportable buildings in place of Ayala Science Library. The total budget, the schedule, and project goals defined in the PPG (dated August 2014) and approved by the State remain unchanged. Office of the President approved the PPG Amendment in August 2015.

STATUS

Due to unanticipated complexities discovered during site surveys (including potential hazardous materials abatement), there was a delay in the design phase to allow for additional time for preparation of performance criteria. Design phase plans were approved in February 2017. Despite these complexities, the project is scheduled to complete in October 2019, which is only four months later than originally planned.

January 2018 update: A Notice to Proceed was issued in January 2018.

FUNDING

State General Funds for design and construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|--------------|-----------------|--------------------|------------------------|---------------|
| Design | 100% | \$1,592,000 | | \$1,592,000 |
| Construction | 0% | \$32,698,000 | | \$32,698,000 |
| Totals | | \$34,290,000 | | \$34,290,000 |

Interdisciplinary Sciences and Engineering Building
(previously known as the Interdisciplinary Sciences Building)
 Irvine

SCOPE

The proposed Irvine Interdisciplinary Sciences and Engineering Building project will accommodate growth in the Schools of Engineering, Physical Sciences, and Information & Computer Sciences. The proposed project would provide 133,000 gross square feet of teaching space, research and scholarly activity space, academic and administrative office, and support space to address the most urgent space needs associated with enrollment and program growth in the three Schools.

The Board of Regents approved a budget and scope increase in September 2017, to be funded with non-State funds. The associated Project Planning Guide (PPG) Amendment is attached. The project budget and scope has been amended to maximize the use of the site and add critically needed space. The scope and budget of the State portion of the project are unchanged.

STATUS

Design is in progress. The design phase has been delayed due to the complexities of planning wet laboratory space in high-rise construction. Construction is anticipated to begin in April 2018. Despite these complexities and scope increase, the project is scheduled to complete in September 2020, consistent with the original PPG.

FUNDING

State General Funds for design and construction were approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). The project also includes non-State resources that will fund design in 2016-17 and construction and equipment in 2017-18.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|--------------|-----------------|--------------------|------------------------|---------------|
| Design | 22% | \$3,800,000 | \$1,000,000 | \$4,800,000 |
| Construction | 0% | \$46,200,000 | \$101,235,000 | \$147,435,000 |
| Equipment | 0% | | \$4,000,000 | \$4,000,000 |
| Totals | | \$50,000,000 | \$106,235,000 | \$156,235,000 |

Primary Electrical Improvements Step 4

Irvine

SCOPE

This project will improve the safety and reliability and increase the efficiency of the campus' electrical distribution system to support increased demand on the system. The project includes installing a new electrical transformer, constructing a new electrical South Substation, and adding a feeder from the Central Plant's cogeneration facility to the University Substation.

STATUS

This project is being implemented via a Design-Build project delivery. Design phase plans were approved in September 2015 and a Notice to Proceed was issued in February 2016. As reported previously, project delay is a result of later-than-anticipated release of design funds due to implementing the funding requirements associated with the new process involving State capital funds. In addition, a delay resulted from a re-evaluation of the coordination effort with Southern California Edison (SCE), the local utility, resulting from very high costs quoted by SCE. The campus determined that the most cost effective solution was to minimize the amount of work and coordination required from SCE. This did not have an impact on the scope of work and deliverables in the project. A short further delay is the result of a shift of one month for the start of the Bid Review/Award and Design Development and Construction phases of the project, and a month of unanticipated delays in obtaining internal campus approvals to award the contract. As a result, the project is scheduled to be complete in February 2018, a delay of two months from the last approved schedule.

FUNDING

State General Funds for design and construction were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|--------------|-----------------|--------------------|------------------------|---------------|
| Design | 100% | \$916,000 | | \$916,000 |
| Construction | 96% | \$18,546,000 | | \$18,546,000 |
| Totals | | \$19,462,000 | | \$19,462,000 |

CHS Seismic Correction and Fire Life Safety Los Angeles

SCOPE

The project will seismically upgrade the nine-story Southeast Wing and the two basement levels beneath the East and West Courtyards in the Center for the Health Sciences (CHS) complex. The project also will install backbone fire sprinkler and standpipe systems, a fire water supply and distribution system, and a backbone fire alarm with centralized controls to serve the 2.4 million gross square feet (GSF) CHS complex.

Since August 2013, the campus has completed engineering studies that have allowed for the courtyard structures to be seismically upgraded to Level III, per California building code standards, as a separate campus-funded project, and identified a more cost-effective solution for seismically upgrading three adjacent structures in the complex. Office of the President approved the Project Planning Guide (PPG) Amendment in August 2014. The amended project scope includes upgrades to fire/life safety infrastructure throughout the complex.

In May 2017, the PPG was amended again to address seismic upgrades to an additional 68,949 GSF in the Dentistry Building within the CHS complex. The seismic corrections to this additional space can be performed within the approved project budget. A total of 684,600 GSF will be improved from a Level V to a Level III seismic rating.

STATUS

Preliminary plans and working drawings are complete and construction contracts for the project have been awarded. The project is scheduled to be complete in May 2018, consistent with the schedule included in the approved PPG Amendment noted above and provided previously.

FUNDING

State General Funds for construction were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for preliminary plans and working drawings is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$1,706,000 | \$1,706,000 |
| Working Drawings | 100% | | \$2,100,000 | \$2,100,000 |
| Construction | 95% | \$48,349,000 | | \$48,349,000 |
| Totals | | \$48,349,000 | \$3,806,000 | \$52,155,000 |

CHS SOM West Seismic Renovation

Los Angeles

SCOPE

This project remedies seismic deficiencies in the 88,569 assignable square foot School of Medicine (SOM) West building (144,732 gross square feet) which is rated at a Level V per California Building Code standards. The project also includes mandatory code corrections triggered by the structural work such as accessibility, and fire/life safety improvements in the structure, and upgrades to other fire/life safety infrastructure in other high-rise buildings in the complex.

In June 2017, a Project Planning Guide Addendum was accepted. The addendum clarified that the Dentistry Building was among the eligible high-rise structures that would receive upgrades to fire/life safety systems as part of this project. The Dentistry Building and SOM West building share connected corridors and like all structures in CHS, have an interconnected fire/life safety systems. This addendum did not result in any changes to the budget and is included with this report.

STATUS

Preliminary plans and working drawings are complete and construction contracts have been awarded. The project is scheduled to be complete in May 2018, consistent with the original schedule.

FUNDING

State General Funds for construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for preliminary plans and working drawings is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$1,300,000 | \$1,300,000 |
| Working Drawings | 100% | | \$1,500,000 | \$1,500,000 |
| Construction | 95% | \$25,000,000 | \$12,200,000 | \$37,200,000 |
| Totals | | \$25,000,000 | \$15,000,000 | \$40,000,000 |

CHS NPI Seismic Correction Los Angeles

SCOPE

The project will provide seismic corrections bringing the 305,181 gross square foot Neuropsychiatric Institute (NPI) building from a Level V to a Level III seismic rating under the California Building Code. The project will also include mandatory code upgrades to address disabled access and fire/life safety systems in the building.

STATUS

Preliminary plans are complete and the working drawing phase has commenced. The project is scheduled to complete in June 2020, consistent with the original approval.

FUNDING

State General Funds for construction were approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for preliminary plans and working drawings is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$1,820,000 | \$1,820,000 |
| Working Drawings | 50% | | \$1,902,000 | \$1,902,000 |
| Construction | 0% | \$25,000,000 | \$11,278,000 | \$36,278,000 |
| Totals | | \$25,000,000 | \$15,000,000 | \$40,000,000 |

Franz Hall Tower Seismic Renovation

Los Angeles

SCOPE

The project will provide seismic corrections and program improvements to the 123,723 gross square foot Franz Hall Tower, bringing the building from a Level V to a Level III seismic rating under the California Building Code. Mandatory code corrections triggered by the structural work would include disabled access upgrades and fire/ life safety improvements.

STATUS

Preliminary plans are complete and the working drawing phase has commenced. The project is scheduled to complete in June 2020, consistent with the original approval.

FUNDING

State General Funds for construction were approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for preliminary plans and working drawings is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$3,755,000 | \$3,755,000 |
| Working Drawings | 60% | | \$2,025,000 | \$2,025,000 |
| Construction | 0% | \$25,000,000 | \$19,220,000 | \$44,220,000 |
| Totals | | \$25,000,000 | \$25,000,000 | \$50,000,000 |

Central Plant/Telecommunications Reliability Upgrade Merced

SCOPE

This project will provide improvements to the campus emergency power system, improvements to central campus telecommunications, equipment for the central utilities plant, and installation of a domestic water bypass at the campus water main entry. This project is required in order to accommodate the campus' utility needs, which are currently strained as a result of enrollment growth.

STATUS

The project was completed in October 2016, a five month delay from what was reported in the December 2015 *State General Funds for Capital Improvements Status Report*. The campus opted to delay implementing the scope in order to coincide with the delivery of the Classroom and Academic Office Building. The campus is finishing checklist items before filing a Notice of Completion.

FUNDING

State General Funds for preliminary plans and working drawings were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for construction were approved in 2014-15 under the same funding mechanism.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$600,000 | | \$600,000 |
| Working Drawings | 100% | \$800,000 | | \$800,000 |
| Construction | 100% | \$15,183,000 | | \$15,183,000 |
| Totals | | \$16,583,000 | | \$16,583,000 |

Classroom and Academic Office Building Merced

SCOPE

This project will house 50,869 assignable square feet (77,348 gross square feet) of classrooms, tutorial space, dry research laboratories, scholarly activity, and academic and administrative offices for instruction and research programs. The project includes five lecture halls ranging from 90 to 210 seats, seminar and tutorial rooms, and 13 research laboratories designed with an emphasis on flexible use for evolving programs. The scope of work also includes associated infrastructure.

STATUS

The building is fully occupied and operational for the fall 2016 semester. All equipment has been procured for this project. The project was delayed six months from what was reported in the December 2015 *State General Funds for Capital Improvements Status Report*. The campus is finishing checklist items before filing a Notice of Completion.

FUNDING

State funding for preliminary plans and working drawings were appropriated with General Obligation Bonds in 2012. State General Funds for construction were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for equipment was approved in 2015-16 using the same funding mechanism.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$2,150,000 | | \$2,150,000 |
| Working Drawings | 100% | \$2,600,000 | | \$2,600,000 |
| Construction | 100% | \$45,144,000 | | \$45,144,000 |
| Equipment | 100% | \$4,805,000 | | \$4,805,000 |
| Totals | | \$54,699,000 | | \$54,699,000 |

Merced State 2020 Project

Merced

SCOPE

This project includes approximately 403,200 assignable square feet (ASF) (approximately 608,300 gross square feet) consisting of the following: instructional, research, and academic office space (373,400 ASF); an enrollment center (18,400 ASF), and space for campus operations (11,400 ASF). The project also includes infrastructure proportionate to the State eligible space. This project is part of the larger 789,900 ASF comprehensive Merced 2020 Project that will support the campus' plan to grow enrollment to 10,000 students by 2020.

STATUS

Construction commenced in November 2016.

June 2017 Update: After finalizing the project agreements with the preferred developer and analyzing UC's system wide commitments of State General Funds for capital outlay, the project budget and funding plan was updated accordingly. The Project Planning Guide Update details the budget reallocations to properly assign State supportable space to the State project budget and describes shifts in funding to assign more State funding to State supportable space.

Office of the President approved the PPG Update in June 2017 and previously provided it with the December 2016 *State General Funds for Capital Improvements Status Report*.

The project is being delivered in the three phases. The first phase has a potential delay of one month but is still on schedule to be available for the start of the 2018-19 academic year. The second phase and third phase will be available in June 2019 and June 2020, respectively.

FUNDING

State General Funds for preliminary plans, working drawings, construction and equipment were approved in 2016-17 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94) and Chapter 22, Statutes of 2015 (Senate Bill 81).

In June 2017 the budget for the State project increased from \$688.55 million to \$763.64 million and State sources increased from \$527.5 million to \$653.9 million; however the total project budget (\$1,338.48 million) did not change as a result of this update.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$18,857,000 | \$2,071,000 | \$20,928,000 |
| Working Drawings | 45% | \$43,999,000 | \$4,883,000 | \$48,882,000 |
| Construction | 15% | \$553,145,000 | \$102,786,000 | \$655,931,000 |
| Equipment | 0% | \$37,899,000 | | \$37,899,000 |
| Totals | | \$653,900,000 | \$109,740,000 | \$763,640,000 |

Batchelor Hall Building Systems Renewal Riverside

SCOPE

This project will upgrade the core building systems of an approximately 56,100 assignable square feet (approximately 110,100 gross square feet) academic building. The core building systems have reached and/or surpassed their life expectancy, and do not effectively support contemporary laboratory science. This project will upgrade or replace elements of the heating, ventilation and air conditioning, electrical, building plumbing, and fire protection systems.

STATUS

The campus finished preliminary plans in July 2016, and working drawings are to be completed in February 2018. The revised project completion date is fall 2020. New mandatory building code requirements established since the initial project approval in 2007 necessitated revisions to the design. Additional time was required to address these issues, prepare a detailed construction phasing and logistics plan for the occupied building, and to reconcile costs within the established budget. A four-phased construction strategy has been adopted to complete the work in an efficient and cost effective manner and to minimize disruption to ongoing research in the building.

FUNDING

Preliminary plans were funded in 2007 with General Obligation Bonds. State General Funds for working drawings and construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$402,000 | | \$402,000 |
| Working Drawings | 95% | \$1,333,000 | | \$1,333,000 |
| Construction | 0% | \$16,444,000 | | \$16,444,000 |
| Totals | | \$18,179,000 | | \$18,179,000 |

Environmental Health and Safety Expansion Riverside

SCOPE

This project will equip an approximately 17,800 assignable square foot (approximately 29,100 gross square foot) building that accommodates environmental, health, and safety administrative offices and support space; a safety training/learning center; wet laboratories; building support space; and facilities for the receipt, handling, and disposal of hazardous waste materials.

STATUS

The project was completed and the building was occupied in February 2016. All equipment for the building has been procured. A Notice of Completion was filed for the project in May 2016.

FUNDING

Preliminary plans were funded in 2007 with General Obligation Bonds. Working drawings were funded from lease-revenue bonds savings from a non-UC project. Construction funds were funded with external financing, serviced by State General Funds. State General Funds for equipment were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$400,000 | | \$400,000 |
| Working Drawings | 100% | \$635,000 | \$415,000 | \$1,050,000 |
| Construction | 100% | \$15,984,000 | \$3,248,000 | \$19,232,000 |
| Equipment | 100% | \$369,000 | | \$369,000 |
| Totals | | \$17,388,000 | \$3,663,000 | \$21,051,000 |

Pierce Hall Improvements

Riverside

SCOPE

The project will renovate an approximately 66,800 assignable square feet (approximately 114,300 gross square feet) academic building. The renovations include renewing utility and building systems that have reached and/or surpassed their expected life expectancy, address code deficiencies (e.g. fire, life safety, disabled access), and improve systems that will reduce energy and water consumption. The project was originally planned to construct a new classroom addition that would have provided new general assignment classrooms with a combined total of approximately 200 student stations.

In June 2017, the campus completed further analysis that considered both classroom and instructional laboratory requirements, along with opportunities to effectively address the laboratory need. The analysis concluded that expanding teaching laboratories is a higher priority than new classroom seats as originally proposed.

The amendment to the Pierce Hall Improvement project revises the project scope from constructing a new classroom building with 200 student stations to renovating space in Pierce Hall. The change repurposes existing out-of-date laboratory space to create new instructional laboratories containing 192 stations to resolve a significant instructional laboratory space shortage, and will create a new 15-25 station general assignment seminar room. The campus is moving forward with a separate project to provide new classrooms, and is studying pedagogical trends to develop project goals. No additional State funds are associated with the Project Planning Guide (PPG) Amendment. The amended project is scheduled to be complete July 2020 which represents a 14 month extension from the original project.

STATUS

Geotechnical and asbestos reports have been completed for the building. As a result of the reports' findings, the campus does not anticipate having to do major seismic or asbestos work.

Office of the President approved the PPG Amendment noted above in June 2017, and was provided previously.

FUNDING

State General Funds for preliminary plans, working drawings, and construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$1,387,000 | | \$1,387,000 |
| Working Drawings | 0% | \$2,428,000 | | \$2,428,000 |
| Construction | 0% | \$30,865,000 | | \$30,865,000 |
| Totals | | \$34,680,000 | | \$34,680,000 |

Biological and Physical Sciences Building

San Diego

SCOPE

This project would construct a new building consisting of 73,470 assignable square feet (128,888 gross square feet) of teaching laboratory and service space; research and scholarly activity space; an auditorium; a Nuclear Magnetic Resonance facility; and academic and administrative office, support, and conference space. The proposed facility would provide modern instruction and research facilities for programs in the Division of Biological Sciences and the Chemistry/Biochemistry Department.

STATUS

The campus awarded the contract and the project is currently in construction. The campus anticipates completing construction in June 2018, consistent with the original schedule.

FUNDING

State General Funds for construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Preliminary plans, working drawings, and equipment are being funded with non-State resources.

| <i>Project Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|----------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$4,500,000 | \$4,500,000 |
| Working Drawings | 100% | | \$5,650,000 | \$5,650,000 |
| Construction | 70% | \$55,800,000 | \$44,950,000 | \$100,750,000 |
| Equipment | 0% | | \$4,600,000 | \$4,600,000 |
| Totals | | \$55,800,000 | \$59,700,000 | \$115,500,000 |

Campus Life Safety Improvements San Diego

SCOPE

This project will address fire and life safety improvements, address critical primary and emergency power requirements, and achieve health and safety code compliance with regard to storm water management systems. This multi-faceted project includes eighteen elements to be implemented in multiple phases, including three electrical projects, five storm water improvement projects, and fire life safety improvements at ten buildings.

At the time the Project Planning Guide (PPG) was approved, ten specific buildings were proposed for fire sprinkler and/or fire alarm system improvements. Given the need to expedite the scope of work that addressed laboratory safety, the campus had to use non-State resources to proceed with improvements to three of the buildings identified in the PPG: Basic Sciences Building, Kaplan Lab, and Scholander Hall. As a result, the project was amended to include fire safety improvements to three additional buildings: Eckart Building, McGill Hall, and Mandler Hall. The programs located in these three substituted buildings are fully State supportable. The other seven buildings that will have fire safety improvements are as described in the original PPG. Office of the President approved the PPG Amendment in March 2015.

STATUS

Two of the three electrical components recently achieved Substantial Completion; the third electrical scope is expected to be complete by the end of February 2018. Six of the ten buildings to receive fire life safety improvements have achieved or will achieve substantial completion by March 2018; of the four remaining buildings to be completed, two are under construction and the last two will bid in March 2018. The campus has completed working drawings for the scope associated with the storm water improvements and expects to award remaining components by May 2018.

Project completion is anticipated in March 2019, which is one year later than the schedule in the approved PPG Amendment. Fire life safety improvements were delayed due to limited crews available to complete night work, and this pushed out the completion date. The Storm Water Improvements at each of the five locations were delayed for different reasons including: coordination of work with Caltrans and extension of Light Rail Trolley service; City of San Diego storm water system repairs; and work at the Nimitz Marine Facility pier that can only be completed when ships are at sea.

FUNDING

State General Funds for working drawings and construction were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Preliminary plans are being funded with non-State resources.

| <i>Project Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|----------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$2,045,000 | \$2,045,000 |
| Working Drawings | 99% | \$2,550,000 | | \$2,550,000 |
| Construction | 75% | \$46,460,000 | | \$46,460,000 |
| Totals | | \$49,010,000 | \$2,045,000 | \$51,055,000 |

Clinical Sciences Building Seismic Retrofit San Francisco

SCOPE

This project remedies severe seismic deficiencies in the 84,000 assignable square feet (109,126 gross square feet) Clinical Sciences Building which currently is rated at Level VI per California Building Code standards. The scope of the project includes modernization of the building's infrastructure to meet current code requirement as well as tenant improvements to provide critically needed faculty office and instructional space directly adjacent to UCSF Medical Center hospitals and clinics.

A Project Planning Guide (PPG) Amendment in August 2014 increased the scope to: provide a new handicap entrance, renovate the former entrance into a classroom, and - on floors six and seven - improve access and seismic connectivity between the original building and the 1963 addition. The additional scope totals 3,180 gross square feet or a 3% increase to the original scope and will be funded through non-State resources.

STATUS

The project is being procured in two bid packages. Preliminary plans are complete, working drawings are complete and construction funds were released in December 2015 and July 2016. A portion of the work in Bid Package 1 commenced and the campus subsequently identified the need to change general contractors. Construction progress was suspended and none of Bid Package 2 was awarded. A new general contractor has been identified and the project has been re-bid. A PPG Amendment was submitted in December 2017 along with a request for an increase in non-State funds needed to cover the increased cost.

Completion of construction was originally scheduled for July 2017 and is now expected in December 2019. The delay is primarily related to the time required to rebid and the remobilize the general contractor and subcontractors.

FUNDING

State General Funds for working drawings were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for construction were approved in 2015-16 using the same funding mechanism. Funding for preliminary plans, equipment, and a portion of construction are being provided by non-State resources.

January 2018 update: A budget augmentation of \$55,378,000 using non-State funds was approved by the Regents in January to cover cost increases. Because this occurred in 2018, this amount is not reflected in the table below, but will be included in the next annual report.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|---------------------|------------------------|---------------------|
| Preliminary Plans | 100% | | \$5,216,000 | \$5,216,000 |
| Working Drawings | 100% | \$2,800,000 | | \$2,800,000 |
| Construction | 10% | \$21,735,000 | \$59,280,000 | \$81,015,000 |
| Equipment | 0% | | \$6,781,000 | \$6,781,000 |
| Totals | | \$24,535,000 | \$71,277,000 | \$95,812,000 |

Health Sciences Instruction & Research Life Safety Improvements

San Francisco

SCOPE

The proposed project would remediate life-safety egress impediments with selective and strategic renovations on multiple floors in the Health Sciences Instruction & Research complex, specifically in the Health Sciences East and Health Sciences West towers. The towers house a combined total of approximately 300,000 assignable square feet.

STATUS

The design phase has been delayed due to additional study and planning for the work to be done in the HSIR towers; however, it is expected that some of this delay may be recaptured during the design phase. The project was planned to complete construction in August 2019, but now is planned for March 2020.

FUNDING

State General Funds for design were approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|--------------|-----------------|--------------------|------------------------|---------------|
| Design | 0% | \$3,000,000 | | \$3,000,000 |
| Construction | 0% | \$10,000,000 | | \$10,000,000 |
| Totals | | \$13,000,000 | | \$13,000,000 |

Academic Support Facility Santa Barbara

SCOPE

This project will address the severe deficiencies in existing animal facilities and the critical need to accommodate the number of animals necessary to meet current and future campus research needs. The proposed project will provide a new vivarium of 9,278 assignable square feet (asf). The 9,278 asf (14,681 gross square feet) vivarium will be located in the previously authorized Bioengineering Building. The project originally included a donor funded 2,911 ASF laboratory to accommodate a collaborative translational research program involving the campus and a regional medical center; this component, however, was removed from the project when the donor withdrew from the project.

Additional non-State funds were approved in December 2014 by Office of the President to address increased costs following receipt of bids.

STATUS

The project is 100% complete as of August 2017, a four month delay from the last approval, due to delay of furnishings and equipment deliveries and installation.

FUNDING

State General Funds for construction were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for preliminary plans, working drawings, and construction is being provided by non-State resources. Additional non-State funds were approved in December 2014 by Office of the President to address increased costs following receipt of bids.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$304,000 | \$304,000 |
| Working Drawings | 100% | | \$241,000 | \$241,000 |
| Construction | 100% | \$26,505,000 | \$630,000 | \$27,135,000 |
| Totals | | \$26,505,000 | \$1,175,000 | \$27,680,000 |

Campbell Hall Replacement Building

Santa Barbara

SCOPE

This project will replace the campus's 860-seat classroom facility, Campbell Hall, which is the largest classroom in the UC system that supports daily undergraduate instruction, along with other academic, student, and public service programming. The 57-year old building has several deficiencies: a structurally unsafe suspended ceiling that poses serious life-safety concerns; friable asbestos, and fire-safety, accessibility, and building code compliance issues. This project will provide the campus with a safe, accessible, modern, state-of-the-art instructional facility of 16,000 assignable square feet (24,500 gross square feet).

STATUS

Preliminary plans are delayed. Project analysis disclosed problematic geologic site conditions, the need to relocate major underground utilities, new code requirements, and budget impacts due to extraordinary cost escalation—all contributing to delays.

At the onset of preliminary plans, the campus engaged in critical repairs in Campbell Hall to address the pressing life-safety concerns given the ongoing high occupancy use of the facility. UC Santa Barbara was able to eliminate the seismic and fire safety deficiencies, though other pertinent issues (system obsolescence, functional inadequacies, facility upgrades, etc.) remain unresolved.

As the campus continues to respond to the State's recommendation to increase undergraduate enrollment, priorities have shifted to focusing on overall classroom space capacity. Given the stabilization of Campbell Hall, demolition is no longer a priority. While replacement remains a long-term goal, reasonable accommodations can be made to address Campbell Hall building deficiencies while keeping the facility in operation and pursuing additional classroom opportunities.

The campus is considering an alternative to combine funding from the Campbell Replacement Building project with the new Classroom Building project that the campus will propose for funding in 2019-20 under the mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

FUNDING

State General Funds for preliminary plans, working drawings, construction, and equipment were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Half of the funding for preliminary plans, working drawings, construction, and equipment is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 25% | \$592,000 | \$592,000 | \$1,184,000 |
| Working Drawings | 0% | \$784,000 | \$785,000 | \$1,569,000 |
| Construction | 0% | \$13,459,000 | \$13,459,000 | \$26,918,000 |
| Equipment | 0% | \$952,000 | \$951,000 | \$1,903,000 |
| Totals | | \$15,787,000 | \$15,787,000 | \$31,574,000 |

Infrastructure Renewal Phase 1

Santa Barbara

SCOPE

Part of a multi-phased infrastructure upgrade program, this project will upgrade the Santa Barbara campus utility infrastructure to address the most serious deficiencies constraining operations of the campus. The existing systems are old and outdated, in poor condition, undersized for existing load demand and unable to effectively accommodate growth. This Phase 1 project will upgrade the most deficient sewer, storm drain, gas, and water systems.

STATUS

This project was initiated in 2007, and Phase 1A construction was completed in March 2012 with non-State resources. In October 2015, the construction contract for Phase 1B was awarded, including an additive alternate for a ten-inch water line extension on Ocean Road. Concurrently, a project amendment was approved for a Phase 1C component addressing major storm drain and seawater outfall work along Lagoon Road, work that was included originally in the project submitted to the State in 2007, but had been removed due to budget constraints and need for additional study. Phase 1C bid in November 2016, with funds from the favorable bid for Phase 1B.

Unforeseen condition of natural gas valves and lines in Phase 1B contributed to a delay in completion of 1B. Favorable bid savings from Phase 1C funded a change order for the repair of additional gas line work in Phase 1B.

Substantial completion of Phase 1B and Phase 1C occurred in October 2017, marking the finish of the entire Infrastructure Renewal Phase 1 project. The completion date is five months later than reported in the December 2016, *State General Funds for Capital Improvements Status Report*. This delay is associated with: 1) longer than anticipated review time to obtain approvals from the California Coastal Commission for Phase 1C; and 2) coordination of road repairs with the academic calendar, needed to mitigate traffic impacts and conflicts around student residence halls and major pedestrian thoroughfares, particularly at commencement and during student housing move-in/out dates.

FUNDING

State funding for preliminary plans and working drawings were appropriated with General Obligation Bonds in 2006 and 2007 respectively. State General Funds for construction were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Funding for preliminary plans, working drawings, and construction is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$489,000 | \$251,000 | \$740,000 |
| Working Drawings | 100% | \$252,000 | \$530,000 | \$782,000 |
| Construction | 100% | \$12,136,000 | \$5,169,000 | \$17,305,000 |
| Totals | | \$12,877,000 | \$5,950,000 | \$18,827,000 |

Coastal Biology Building

Santa Cruz

SCOPE

This project will provide approximately 32,000 assignable square feet (48,839 gross square feet) of research, instructional and office space on the Coastal Science Campus to support the past decade's exponential growth in the Ecology and Evolutionary Biology program and will serve as the center for UCSC's nationally and internationally recognized programs in marine-dependent and coastal-related biological sciences. The project will also provide the necessary site infrastructure to operate the facility. An Amendment to the Project Planning Guide for an increase in equipment funding utilizing State General Funds was approved by the State in 2015-16.

STATUS

Construction contracts were awarded in April 2015 for the three project bid packages and the project is planned to complete in March 2018, a ten-month delay from the schedule provided in the contract award approval. The building is occupied; however the delay is related to additional time needed to complete punch list items and equipment commissioning. Equipment purchases are scheduled to complete in May 2018.

FUNDING

State General Funds for working drawings were approved in 2013-14 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). State General Funds for construction were approved in 2014-15 under the same funding mechanism. State General Funds for equipment were approved in 2015-16 under the same funding mechanism. Funding for preliminary plans and a portion of construction is being provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$3,985,000 | \$3,985,000 |
| Working Drawings | 100% | \$3,530,000 | | 3,530,000 |
| Construction | 100% | \$64,127,000 | \$6,580,000 | \$70,707,000 |
| Equipment | 45% | \$2,000,000 | | \$2,000,000 |
| Totals | | \$69,657,000 | \$10,565,000 | \$80,222,000 |

Environmental Health and Safety Facility Santa Cruz

SCOPE

The project will construct a new regulated waste-handling and storage facility of approximately 4,665 assignable square feet (ASF)/7,305 gross square feet to meet regulated waste demands based on current enrollments and research programs. The new facility will be located close to the center of campus where most waste is generated, thereby reducing transportation risk and costs, increasing operational efficiency, and facilitating an increased level of service to campus clients.

STATUS

Preliminary plans and working drawings have been approved. Approval to award construction contracts was given in September 2017. Refinements made during the preliminary plans phase have reduced the total program from 5,200 ASF to approximately 4,665 ASF, while still meeting all project goals. This reduction was achieved through: reconfiguring the space to gain efficiencies, changing restroom facility designs to adhere to University policy, and incorporating material processing efficiencies. Office of the President approved the Project Planning Guide amendment in August 2016.

In the December 2016 *State General Funds for Capital Improvements Status Report* construction was anticipated to complete by the end of September 2018, which was three months earlier than with the original schedule. Due to delays related to the bidding process, construction is now estimated to be complete by the end of November 2018.

FUNDING

State General Funds for preliminary plans, working drawings, and construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$1,201,000 | | \$1,201,000 |
| Working Drawings | 100% | \$849,000 | | \$849,000 |
| Construction | 25% | \$17,387,000 | | \$17,387,000 |
| Totals | | \$19,437,000 | | \$19,437,000 |

Life Safety Upgrades Santa Cruz

SCOPE

This project will address fire, life-safety and health concerns, including critical code deficiencies, by providing improvements and upgrades to fire sprinkler, fire alarm, and back-up power systems in a total of 18 campus instructional, research, and administrative buildings. The project also will reduce significant life-safety risks to campus pedestrians by providing additional outdoor pathway lighting on heavily-used circulation routes throughout the campus.

STATUS

Preliminary plans and working drawing are complete. Approval to award construction contracts was given in May 2016 and construction is scheduled to complete in September 2018, a 14 month delay from the originally approved project, and a six month delay from the schedule provided with the approval of working drawings. The schedule extension is related to delays in receipt of bids and award of contract, and the decision to limit some disruptive work to summer periods.

FUNDING

State General Funds for preliminary plans, working drawings, and construction were approved in 2014-15 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Additional \$859,000 in non-State funds was committed to the project in May 2016.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | \$370,000 | | \$370,000 |
| Working Drawings | 100% | \$507,000 | | \$507,000 |
| Construction | 65% | \$9,324,000 | \$859,000 | \$10,183,000 |
| Totals | | \$10,201,000 | \$859,000 | \$11,060,000 |

Telecommunications Infrastructure Phase B

Santa Cruz

SCOPE

The Telecommunications Infrastructure Improvements Phase B project will upgrade existing voice and data infrastructure on the Santa Cruz campus by providing reliable converged services – voice, video, and data – over a single cable plant that will increase internet speeds and Wi-Fi availability for instruction and research.

STATUS

The project was completed in December 2017, which is a ten month delay from the original schedule. The construction delay is related to additional time needed to complete electrical systems coordination and equipment commissioning.

FUNDING

State General Funds for construction were approved in 2015-16 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94). Preliminary plans, working drawings and additional construction funds are provided by non-State resources.

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-------------------|-----------------|--------------------|------------------------|---------------|
| Preliminary Plans | 100% | | \$541,000 | \$541,000 |
| Working Drawings | 100% | | \$736,000 | \$736,000 |
| Construction | 100% | \$12,623,000 | \$442,000 | \$13,065,000 |
| Totals | | \$12,623,000 | \$1,719,000 | \$14,342,000 |

2017-18 Systemwide State Deferred Maintenance Program

Systemwide

SCOPE

The proposed 2017-18 Systemwide State Deferred Maintenance Program ("Program") of \$50 million is the first phase of a program to: (1) fund existing deferred maintenance work up to \$35 million, as a match to one-time 2017-18 State funds received for deferred maintenance, essentially doubling the amount of work that could be implemented in a single year; and (2) funds of \$15 million to perform facility condition assessments on State eligible space for \$15 million. These assessments will deliver a credible deferred maintenance and capital renewal forecast for State eligible space going forward and act as the basis of scope for future phases of the deferred maintenance program. Total funds of up to \$50,000,000 is requested to be funded under the funding mechanism authorized in accordance with Sections 92493 through 92496 of the Education Code, as added by Chapter 50 of the Statutes of 2013, Assembly Bill 94.

STATUS

Allocations for funding of Facilities Conditions Assessments were released to campuses in August 2017 and assessments are expected to be complete within 33 months (May 2020). Office of the President has submitted deferred maintenance project lists for review and approval to the Department of Finance.

FUNDING

State General Funds for construction were approved in 2017-18 under the funding mechanism authorized in accordance with Sections 92493 et seq. of the Education Code, as added by Chapter 50, Statutes of 2013 (Assembly Bill 94).

| <i>Phase</i> | <i>Complete</i> | <i>State Funds</i> | <i>Non-State Funds</i> | <i>Totals</i> |
|-----------------------|-----------------|--------------------|------------------------|---------------|
| Condition Assessments | 0% | \$15,000,000 | | \$15,000,000 |
| Deferred Maintenance | 0% | \$35,000,000 | | \$35,000,000 |
| Totals | | \$50,000,000 | | \$50,000,000 |

University of California
Los Angeles

Project Planning Guide Addendum

for

CHS - SOM WEST SEISMIC RENOVATION

Project Number 948909

June 2017



CAMPUS APPROVAL

University of California, Los Angeles
CHS – SOM WEST SEISMIC RENOVATION
Project Number 948909
June 2017

Reviewed by:


Susan G. Santon, Associate Vice Chancellor
Capital Programs Capital Planning and Finance

6/14/17
Date

Approved by:


Steven A. Olsen
Vice Chancellor and Chief Financial Officer

6/14/17
Date


Gene Block, Chancellor

6/15/17
Date

University of California, Los Angeles
CHS - SOM WEST SEISMIC RENOVATION
Project Number 948909
June 2017

Table of Contents

| | |
|-------------------------------------|-------------|
| | <u>Page</u> |
| LOCATION PLAN | ii |
| PROJECT DESCRIPTION | 1 |
| PROJECT SCHEDULE | |
| ENVIRONMENTAL IMPACT CLASSIFICATION | |
| LOCATION PLAN | |

1

2

3

4

E

6

7

9

17

44
45

24

25

12

13

52

3

4

5

CAPITAL IMPROVEMENT BUDGET ANALYTICAL DATA

UNIVERSITY OF CALIFORNIA
Los Angeles

Campus

| | | | | |
|----------------|-----------------------------------|------------------|-----------|--------------|
| Project Title: | CHS - SOM West Seismic Renovation | 948809 | 4332D | CCCI: 8284 |
| | | Campus Reference | Asset No. | EPI : 3277 |
| | | | | Cost Indexes |

F ANALYTICAL DATA

| | Column (1) | [2] | [3] | (4) Total All Sources |
|------------------------------------|------------|---------|--------|-----------------------|
| ASF per PPG..... | | ASF | ASF | 88,569 ASF |
| ASF Current..... | | ASF | ASF | 88,569 ASF |
| OGSF..... | | OGSF | OGSF | 144,732 OGSF |
| Ratio (ASF Current / OGSF)..... | to 1.00 | to 1.00 | | 61.2% to 1.00* |
| Construction Cost per ASF..... | / ASF | / ASF | / ASF | \$ 250 / ASF |
| Construction Cost per OGSF..... | / OGSF | / OGSF | / OGSF | \$ 153 / OGSF |
| Total P-W-C Cost per ASF..... | / ASF | / ASF | / ASF | \$ 306 / ASF |
| Total P-W-C Cost per OGSF..... | / OGSF | / OGSF | / OGSF | \$ 188 / OGSF |
| Gr. 2 & 3 Equip. Cost per ASF..... | / ASF | / ASF | / ASF | \$ 0 / ASF |

G CONSTRUCTION COST ANALYSIS

| | Cost | Unit Cost | | % | Remarks |
|--|------|-------------|-----------|-------|--|
| | | \$ / ASF | \$ / OGSF | | |
| Concrete & Structure..... | \$ | | | | |
| Closing - in..... | | | | | |
| Finishing..... | | | | | |
| Group 1 Equipment..... | | | | | |
| a. SUBTOTAL- Gen. Constr. | \$ | \$ | \$ | | |
| b. HVAC..... | | | | | |
| c. Plumbing..... | | | | | |
| d. Electrical..... | | | | | |
| Elevators..... | | | | | |
| f. Other..... | | | | | * Identify: |
| TOTAL BUILDING COST ONLY..... | \$ | \$ | \$ | 100.0 | * Identify: |
| g. Additional Bldg. Costs..... | | | | | |
| TOTAL BUILDING + ADDITIONAL COSTS..... | \$ | \$ | \$ | | |
| h. Other Construction..... | | * Identify: | | | |
| i. Other Construction..... | | * Identify: | | | |
| TOTAL CONSTRUCTION COST..... | \$ | | | | * Same as Schedule C, Item 1 (line 24), Page 1 |

H NOTES:

| | |
|-----------------------------------|-----------|
| Special Items | |
| Agency Reviews | \$50,000 |
| Independent Structural Review | \$45,000 |
| Existing Conditions Documentation | \$30,000 |
| Constructability Review | \$95,000 |
| Value Engineering | \$40,000 |
| HazMat Survey and Monitoring | \$245,000 |
| Waterproofing Consultant | \$30,000 |
| Total | \$535,000 |

Budget No. 3

Issue Date 8/17/2015
Revised 5/11/2016
Revised 8/9/2016
Revised 2/13/2017
Revised 5/17/2017

Prepared by:

Form Update: 10/11/02

Page 2 of 2

CHS – SOM WEST SEISMIC RENOVATION

University of California, Los Angeles

PROJECT DESCRIPTION

The approved project seismically renovates the School of Medicine West building in the Center for the Health Sciences (CHS), which has a Level V seismic rating (formerly “Poor”). Seismic deficiencies include an irregular plan, lack of capacity in the concrete shear walls, discontinuous shear walls, and a strong-beam weak-column condition in the exterior frames. Mandatory code corrections triggered by the structural work includes disabled access upgrades and fire/life safety improvements. Upon completion of the work, the seismic rating will be upgraded to Level III (formerly “Good”). The project also includes upgrades to fire/life safety infrastructure in other high-rise buildings in the CHS complex.

This addendum clarifies the scope of the project to identify the Dentistry Building as a high-rise structure in the CHS complex that will receive upgrades to fire/life safety systems. The Dentistry Building and the the School of Medicine West building share connected corridors and all structures in CHS have an interconnected fire/life safety system that report to a centralized panel in the complex. The proposed work is consistent with the scope of the approved project to improve life safety for occupants of the CHS and would not require an increase to the current budget.

The approved project budget of \$40,000,000 is funded by campus funds for preliminary plans and working drawings (\$2,800,000) and State funds (\$25,000,000) and campus funds (\$12,200,000) for construction. The State funds are provided under provisions of sections 92493 through 92496 of the Education Code, as added by Chapter 50 of the Statutes of 2013 Assembly Bill No. 94).

Under the current request, the project budget would not change. Consistent with the approved schedule, the attached schedule shows project completion in May 2018. No adjustments are anticipated.

Background

The Dentistry Building is a 205,189 gsf reinforced concrete structure comprising a 9-story tower and a 5-story low-rise wing (inclusive of 2 basement levels) built in 1966. This State-supportable facility currently accommodates academic and research programs of the School of Dentistry and the School of Medicine. Space types include faculty and staff offices, conference rooms, research labs, classrooms, seminar rooms, class labs, study areas, and a dental clinic.

Since approval of the original PPG in August 2014, the campus evaluated the fire/life safety systems in the building after it became apparent that the old system in the Dentistry Building would need to be upgraded to meet contemporary codes consistent with new systems being installed in the complex under the State-funded CHS – SOM West Seismic Renovation and CHS Seismic Correction and Fire Safety projects. Upgraded systems are also needed to support the fire/life safety demands of contemporary research in the facility.

Scope of Work

The proposed fire/life safety scope would include installation of a new fire alarm system on all levels of the building consistent with the CHS – SOM West Seismic Renovation project. The work would include installation of new notification devices (speakers and strobes); new initiating devices (smoke, heat and duct detectors, and manual pull stations); and new fire alarm panels, fire alarm conduit, and network connectivity to the existing CHS Fire Command Center in the Southeast Wing in the CHS complex.

Following completion of the proposed fire alarm system installation in the Dentistry Building - and completion of the CHS – SOM West Seismic Renovation and the CHS Seismic Correction and Fire Safety projects - the entire CHS complex will have a common backbone fire alarm system and replacement notifier devices connected to a central Fire Command Center.

PROJECT SCHEDULE

UNIVERSITY OF CALIFORNIA, LOS ANGELES

PROJECT: CHS - SOM West Seismic Renovation
ACCOUNT NO: 948909

Date: May 12, 2017

| ACTIVITY | No. of Months | FISCAL YEAR | | | | | | | | | | | |
|----------------------------|---------------------|-------------|---|------|-----------|------|-----------|------|-----------|------|-----------|------|------|
| | | July | 2014-2016 | July | 2015-2016 | July | 2016-2017 | July | 2017-2018 | July | 2018-2019 | July | July |
| | | | J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J | | | | | | | | | | |
| Preliminary Plans | 9 | | | | | | | | | | | | |
| UCOP Review | 1 | | | | | | | | | | | | |
| Working Drawings | 3 | | | | | | | | | | | | |
| Agency Review | 5 | | | | | | | | | | | | |
| UCOP Review | 2 | | | | | | | | | | | | |
| Bid/Award Contract | 2 | | | | | | | | | | | | |
| Construction | 22 | | | | | | | | | | | | |
| Cumulative Calendar Months | 42 | | | | | | | | | | | | |


Stephanie Tollenaere, Director of Project Management

UNIVERSITY OF CALIFORNIA

ENVIRONMENTAL IMPACT CLASSIFICATION

Campus or Field Station Los AngelesProject Account 948909Project Title CHS - SOM West Seismic Renovation - Addendum

For purposes of compliance with the California Environmental Quality Act of 1970 (CEQA), and Amended University of California Procedures for Implementation of CEQA, this project has been reviewed and initially classified as indicated below. Please check (X) as appropriate. Include project description and appropriate local map.

☐ I. EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970

When it can be seen with certainty that there is no possibility the action will result in physical change to the environment or the action is specifically exempted by statute, the project is classified as exempt from CEQA.

The proposed action is exempt from CEQA under Guideline section 15061(b)(3), which provides that CEQA does not apply to the actions of a public agency when a project has been determined to qualify for a categorical exemption under Section 15300, none of the exceptions set forth in Section 15300.2 apply, and where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment.

☒ II. CATEGORICALLY EXEMPT

This project falls under the Indicated Class of Exemption and there is no significant effect on the environment

☒ Class 1: Existing Facilities

Pursuant to state law and University of California Procedures for Implementation of CEQA (CEQA), the proposed project is categorically exempt under Article 19, Section 15301, Class 1, Existing Facilities. The project is exempt because it consists of the seismic correction and fire/life systems upgrade of existing facilities with no expansion of use beyond existing conditions. Furthermore, per CEQA Section 15300.2, none of the exceptions to a Categorical Exemption would apply.

☐ III. INITIAL STUDY

This project is not Exempt from CEQA or Categorically Exempt; an Initial Study is to be prepared to determine if the project may have a significant effect on the environment that has not been substantially and adequately analyzed in a certified program EIR. Checklist ☐ Narrative ☐

☐ IV. ENVIRONMENTAL IMPACT REPORT (EIR)

It is known that the project will have a significant effect on the environment and has not been adequately and substantially analyzed in a certified program EIR.

PROJECT DESCRIPTION

The proposed project would seismically renovate the 144,723 gsf School of Medicine West building (SOM West) in the Center for the Health Sciences (CHS), which has a Level V seismic rating. The seismic correction work would involve installation of new shear walls, fiber wrapping of select columns and beams, and bolting of structural elements. The seismic work would be performed entirely on the interior of the building. The scope of work would include strengthening of existing concrete footings, repairs to the roof, and correction of exterior falling hazards due to inadequately anchored masonry veneer. Code corrections triggered by the work would include disabled access upgrades and fire/life safety system improvements (including upgrades to fire/life safety infrastructure in other building in the CHS Complex). In addition, the project would include relocation of utilities, abatement of hazardous materials, space utilization improvements in select areas, and repair and replacement of building components and finishes impacted by the work. Following completion, the CHS-SOM West seismic rating would be upgraded to Level III.

This project scope is being amended to include the following fire/life safety upgrades in the Dentistry Building: installation of a new notification devices (speakers and strobes); new initiating devices (smoke, heat/duct detectors, and manual pull stations); and new fire alarm panels, fire alarm conduit, and network connectivity to the existing CHS Fire Command Center in the southeast wing in the CHS complex.

V. Does this project conform to the approved LRDP? YES ☒ NO ☐

VI.

Prepared by

KF9

Date

05/15/17

5-15-17

Local Approved by

Dariusz J. Juntun

Date

5/15/17

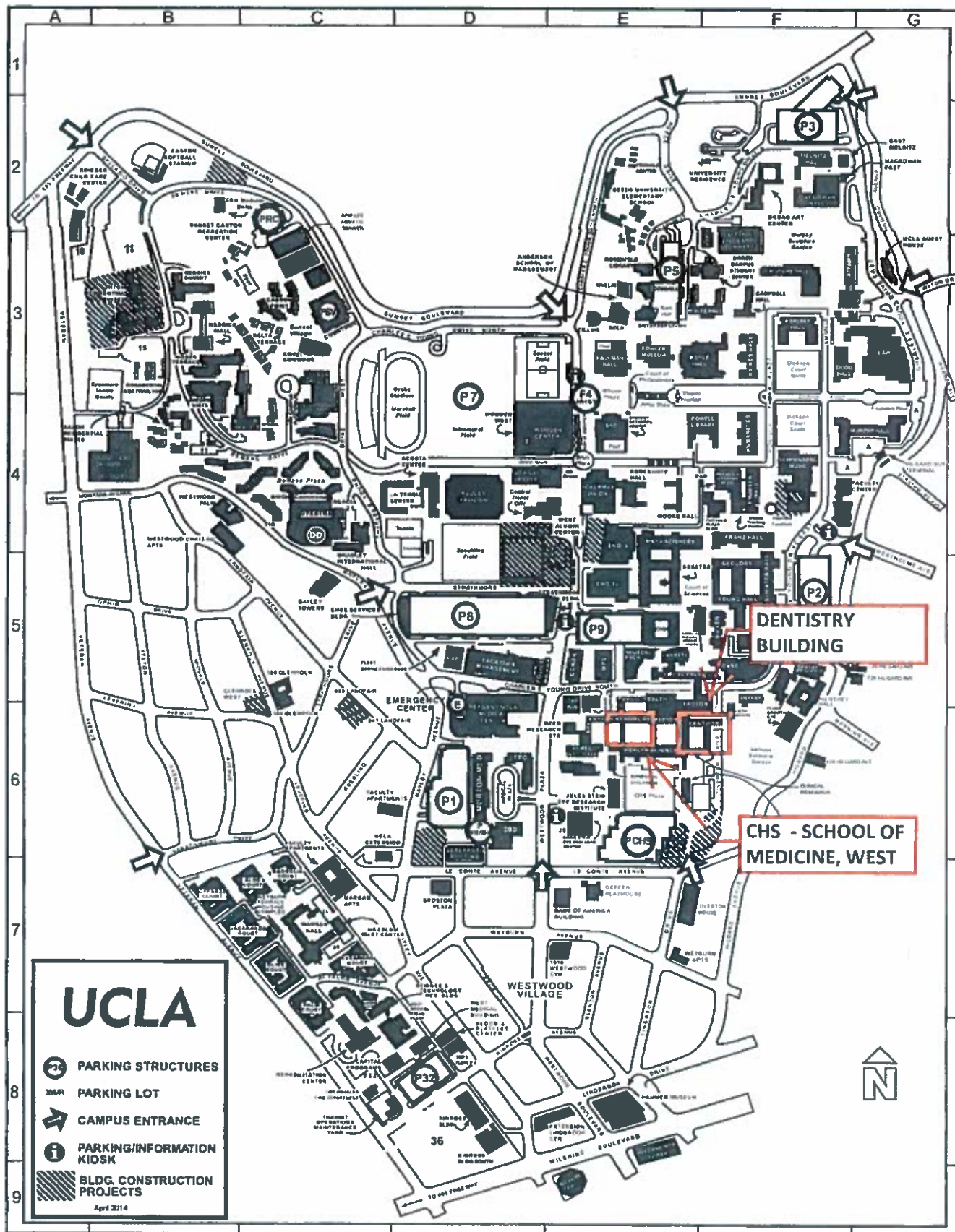
VII. OFFICE OF THE PRESIDENT

Concur with Classification ☒Do not concur with Classification ☐

Signed

Date

5/26/17





PROJECT PLANNING GUIDE AMENDMENT

UNIVERSITY OF CALIFORNIA

AGRICULTURE AND NATURAL RESOURCES

**INTERMOUNTAIN REC FIELD LABORATORY AND
MULTIPURPOSE FACILITY**

PROJECT NUMBER 9512500

July 2017

Signature approval:

 7/27/2017

Tu M. Tran
Associate Vice President for Business Operations

Date

INTERMOUNTAIN REC FIELD LABORATORY AND MULTIPURPOSE FACILITY

PROPOSED PROJECT PLANNING GUIDE AMENDMENT

This Amendment modifies the project scope described in the Project Planning Guide (PPG) for the *Intermountain Research and Extension Center (REC) Field Laboratory and Multipurpose Facility* project. The previously approved project scope proposed adding the new program space as an addition to an existing structure. The currently proposed project proposes housing all the new program space in a separate free standing structure.

PROJECT HISTORY

Preliminary Plans were approved on May 30, 2015. Working Drawings and Approval to Bid was received on September 19, 2016. The project proceeded with the bidding process and bids were opened on December 8. Bids exceeded available funds by 44 percent. After considering multiple options, it was determined that a redesign of the project was necessary in order to maintain the approved budget and proceed with the project.

The previously approved design proposed adding the new program square footage in the form of an addition to the existing administration building in the Headquarters area of the REC. While this approach was going to provide many positive advantages, it proved this approach added significantly to the project cost. The bids for the project identified unanticipated cost increases related to challenges associated with attaching to existing structure, reworking of existing utilities, and a compressed construction site.

ALTERNATIVES CONSIDERED

Upon receipt of the bid results of the previously approved design, an exhaustive post bid examination was conducted with all parties familiar and involved in the project. This process identified and developed multiple options for advancing the project. The main conceptual approaches include the following:

Award the previously approved design to the low bidder and augment the budget with Division resources. This was ruled out as a non-responsible use of funds.

Re-advertise and rebid the previously approved design without modification (with enhanced public notice) was ruled out because it would not address the underlying issues contributing to the bid failure.

Rebid with minor modifications to the previously approved design (light value engineering) would not produce required project savings.

Rebid with major modifications to the previously approved design (deep value engineering) would not produce required project savings and would trigger additional time-consuming steps such as agency re-review.

ALTERNATIVE CONSIDERED / SELECTED

The selected alternative was to redesign the project into a new freestanding building. This design will meet the goals of proposed program while having the least impact on the budget. Estimates for the redesigned facility confirm no increase to the construction budget is needed. The project budget would require an increase to cover design related fees.

CURRENTLY PROPOSED PROJECT DESCRIPTION

The attached area reconciliation shows the allocation of space. The same program spaces provided in the previously approved design are maintained with slight or no adjustment to size and configuration. The program spaces are organized in a highly efficient manner which allows maximum functionality by reducing non program spaces such as corridors. The entire program is housed in a building envelope (rectangular footprint, single gabled roof profile) which will greatly reduce construction cost. The currently proposed design has a slight increase of 25 assignable square feet (asf); that comes partially with the addition of the catering kitchen space, yet is on target to maintain the construction budget using the allocated State funds.

Relocating Project Site

A new site within the Headquarters area of the REC has been identified for the proposed design. The new site is across the parking lot from the originally proposed location and is identified in the attached Site Plan (Proposed Project and Vicinity). This site was selected because it avoids the challenges related to existing utilities and site access that were increasing estimated costs.

Addition of Food Preparation Area

The previous design included shared use of the employee breakroom in the existing Administration Office building. The currently proposed location for the new building will result in the breakroom not being accessible for this shared functionality and some program for food preparation was added into the new design. The food preparation area resulted in an additional 144 asf; however other program areas were designed more efficiently resulting in a net gain of only 25 asf compared to the prior approval.

BUDGET

The Working Drawing phase budget has been increased by \$35,000 to cover fees associated with revisions to the project design. This increase will be covered by ANR reserves.

The original construction phase budget of \$1,786,000 and remains unchanged. The new design approach is expected to remain within the estimated construction budget. If bids exceed the budget, any additional funds required will be requested and subject to separate approval. Following this amendment and approval of the budget augmentation the total project budget will be \$2,121,000 consisting of preliminary plans (\$75,000), working drawings (\$160,000), construction (\$1,786,000), and equipment (\$100,000). The budget will be funded by external financing supported by State general funds (\$1,986,000) and Division reserves (\$135,000).

SCHEDULE

The original completion date of 10/31/2017 has been revised to 6/30/2018 to accommodate the time needed to re bid the new design.

ATTACHMENTS

CIB

Area Reconciliation

Site Plan

Environmental Impact Classification

**CAPITAL IMPROVEMENT PROGRAM BUDGET
BUDGET DATA**

UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources
Campus

| | | | |
|--|------------------|-----------|--------------|
| Intermountain REC Field Laboratory and Multipurpose Facility | 9512500 | R101 | CCCI: 6284 |
| Project Title | Campus Reference | Asset No. | EPI: |
| | | | Cost Indexes |

A. FUNDING SCHEDULE

Per C.I.P., dated 6/1/2017

| Totals | Prefunded | 2014-15 | 2015-16 | 2017-18 | |
|--------------------|-----------|---------|---------|---------|--|
| SP 75 | | 75 | | | |
| W 160 | | 125 | | 35 X | |
| C 1,786 | | | 1,786 | | |
| C | | | X | | |
| E 100 | | | 100 X | | |
| 2,121 (Tot. Proj.) | | 200 | 1,886 | 35 | |

B. FUNDING REFERENCES

| Account No. | Column (1) | (2) | (3) | (4) Total All Sources | ////////// |
|-------------|------------|-----|-----|-----------------------|------------|
| Source | | | | | ////////// |
| | | | | | ////////// |
| | | | | | ////////// |
| | | | | | ////////// |
| | | | | | ////////// |

C. COSTS


| | | | | | % |
|---|------------|------------|------------|--------------|------------|
| 0. Site Clearance | | | | \$ 61,000 | 3.0 |
| 1. Building Construction | | | | 1,480,000 | 73.2 |
| 2. Exterior Utilities | | | | 130,000 | 6.4 |
| 4. Site Development | | | | 45,000 | 2.2 |
| 5. Fees | | | | 198,000 | 9.8 |
| 6. A&E/PP&C | | | | 45,000 | 2.2 |
| 7. Surveys/Tests/Plans & Specifications | ////////// | ////////// | ////////// | 13,000 | 0.6 |
| 8. Special Items | | | | 9,000 | 0.4 |
| SUBTOTAL | | | | \$ 1,981,000 | 98.0 |
| 9. Const Contingency 2.3% | | | | 40,000 | 2.0 |
| TOTAL P-W-C | | | | \$ 2,021,000 | 100.0 |
| 3. Group 2&3 Equipment | | | | 100,000 | |
| TOTAL PROJECT | | | | \$ 2,121,000 | ////////// |
| Available Funding | | | | | ////////// |
| Anticipated Surplus (Deficit) | ////////// | ////////// | ////////// | ////////// | ////////// |

D. FUNDING SOURCE

| | | |
|--|--------------|--------------|
| | State Funds | \$ 1,986,000 |
| | Campus Funds | 135,000 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | TOTAL | \$ 2,121,000 |

E. STATUS OF PROJECT:

Completion of Working Drawings
Re-Bid

| | | | | |
|-------------|---------------------------------|---|------------|-----------|
| Cam- pus | Name: Luzanne Martin | Signature:  | Budget No. | 8 |
| | Title: Project Manager, ANR-FPM | Title: Shawn Tibor, Director, ANR FPM | Issue Date | 7/14/2014 |
| AVP- PPC | Prepared by: Luzanne Martin | Approved for Campus, Date: | Revised | 5/21/2015 |
| | Program: | Signature: | Revised | 9/20/2016 |
| | Fiscal: | Title: | Revised | 6/27/2017 |
| | Cost: | Approved for AVP-PPC, Date: | Revised | |

UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources
Campus

| F. ANALYTICAL DATA | | | | |
|---------------------------------|--------------|--------------|--------------|-----------------|
| | Column (1) | (2) | (3) | (4) |
| ASF per PPG August 2013 | 3,900 | 3,900 | 3,900 | 3,900 ASF |
| ASF Current | 3,764 | 3,764 | 3,764 | 4,546 ASF |
| OGSF | 4,638 | 4,638 | 4,638 | 4,790 OGSF |
| Ratio (ASF Current/OGSF) | 0.81 to 1.00 | 0.81 to 1.00 | 0.81 to 1.00 | 110.00 to 1.00 |
| Bldg Construction Cost per ASF | \$ - /ASF | \$ - /ASF | \$ - /ASF | \$ 107.00 /ASF |
| Bldg Construction Cost per OGSF | \$ - /OGSF | \$ - /OGSF | \$ - /OGSF | \$ 53.00 /OGSF |
| Total P-W-C Cost per ASF | \$ - /ASF | \$ - /ASF | \$ - /ASF | \$ 144.00 /ASF |
| Total P-W-C Cost per OGSF | \$ - /OGSF | \$ - /OGSF | \$ - /OGSF | \$ 421.92 /OGSF |
| Gr. 2&3 Equip Cost per ASF | \$ - /ASF | \$ - /ASF | \$ - /ASF | \$ 22.00 /ASF |
| | | | | |
| | | | | |
| | | | | |

[illegible]

| | | |
|-----------------------------|------------|-----------|
| Special items: | | |
| Plan check fees | \$ | 6,000 |
| Seismic review | \$ | 3,000 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | Budget No. | 8 |
| | Issue Date | 7/14/2014 |
| | Revised | 5/21/2015 |
| | Revised | 9/20/2016 |
| \$ 9,000 | Revised | 6/27/2017 |
| Prepared by: Luzanne Martin | Revised | |

Page 2 of 2



UC/ANR

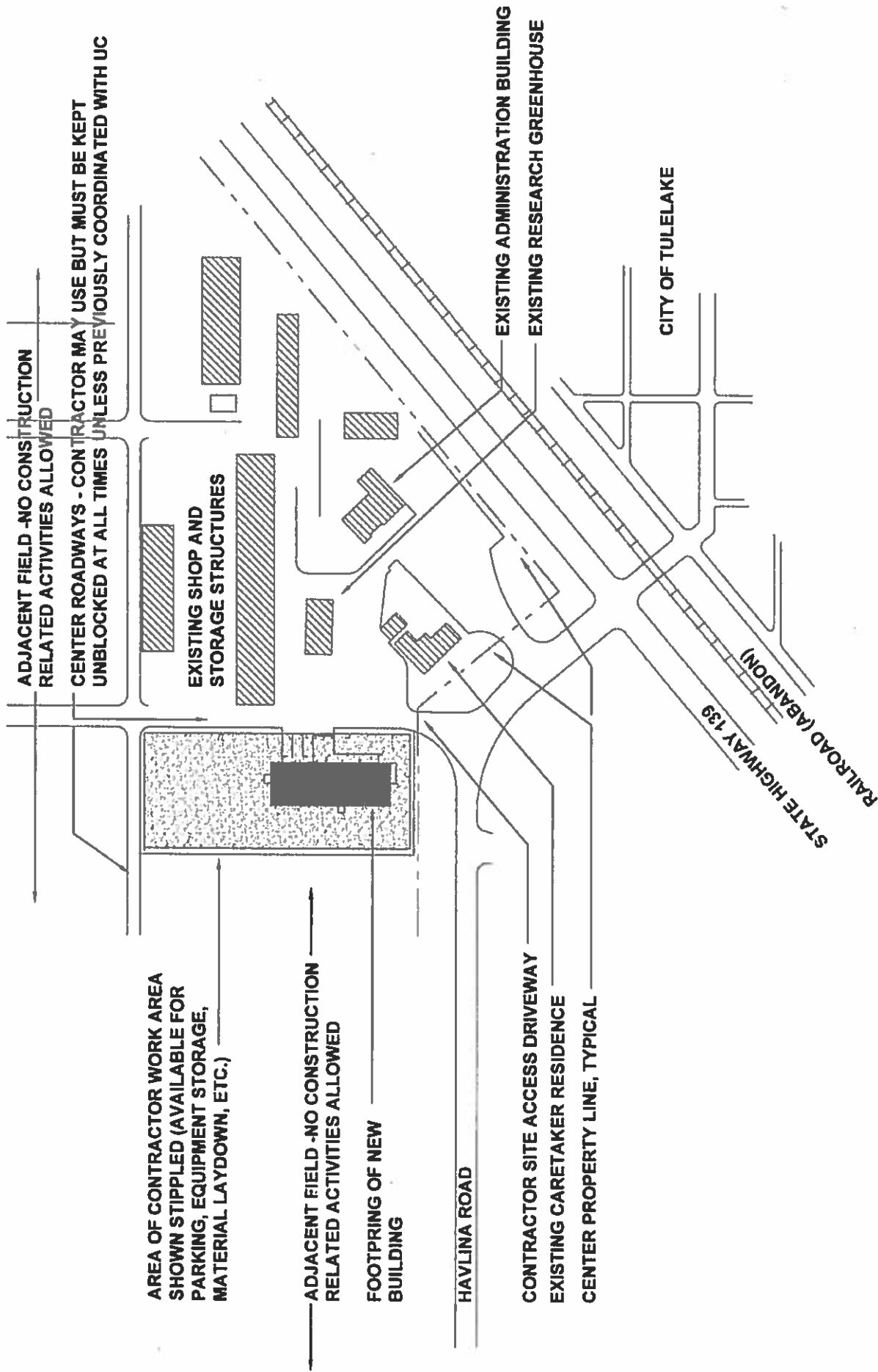
INTERMOUNTAIN REC FIELD LABORATORY AND MULTIPURPOSE FACILITY

PROJECT 9512500

AREA RECONCILIATION

| ROOM | PREVIOUSLY APPROVED | CURRENTLY PROPOSED |
|-----------------------|----------------------------|---------------------------|
| Meeting room | 1,641 | 1,677 |
| Meeting room storage | 175 | 201 |
| Sample prep | 484 | 486 |
| Clean room | 330 | 333 |
| Work room 1 | 110 | 144 |
| Work room 2 | 233 | 224 |
| Lobby/prefunction | 809 | 598 |
| Food Preparation Area | NA* | 144 |
| | 3,782 ASF | 3,807 ASF |

***Previously approved design proposed using existing breakroom for food service activities; currently proposed design incorporates a Food Preparation Area to serve this function.**



SITE PLAN (PROPOSED PROJECT AND VICINITY)



SCALE: NOT TO SCALE

SECTION 01950

Campus/Field Station/Division ANR Intermountain REC

Project Account _____

Project Title Intermountain Conference Center Building

For purposes of compliance with the California Environmental Quality Act of 1970 (CEQA), and Amended University of California Procedures for Implementation of CEQA, this project has been reviewed and initially classified as indicated below. Please check (X) as appropriate. Include project description and appropriate local map with your submission.

☐ I. **EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970** - When it can be seen with certainty that there is no possibility the action will result in physical change to the environment (15061(b)(3)), or the action is specifically exempted by statute (15260-15285), the project is classified as generally exempt from CEQA. General/Statutory Exemption: § _____

☒ II. **CATEGORICALLY EXEMPT** - This project falls under the indicated Class(es) of Exemption(s), none of the exceptions to the exemption apply (15300.2), and there is no significant effect on the environment (for complete list see CEQA Guidelines Section 15300):

| | |
|---|--|
| <input type="checkbox"/> Class 1: Existing Facilities | <input type="checkbox"/> Class 17: Open Space Contracts or Easements |
| <input type="checkbox"/> Class 2: Replacement or Reconstruction | <input type="checkbox"/> Class 23: Normal Operation of Facilities for Public Gatherings |
| <input checked="" type="checkbox"/> Class 3: New Construction or Small Structures | <input type="checkbox"/> Class 25: Transfer of Land: Natural Conditions/Historical Resources |
| <input type="checkbox"/> Class 4: Minor Alterations to Land | <input type="checkbox"/> Class 30: Minor Actions: Prevent Hazardous Waste/Substances |
| <input type="checkbox"/> Class 6: Information Collection | <input type="checkbox"/> Class 31: Historical Resource Restoration/Rehabilitation |
| <input type="checkbox"/> Class 11: Accessory Structures | <input type="checkbox"/> Class 32: In-Fill Development Projects |
| <input type="checkbox"/> Class 13: Acquisition for Conservation | <input type="checkbox"/> Class 33: Small Habitat Restoration Projects |
| <input type="checkbox"/> Class 16: Transfer of Land Ownership for Parks | <input type="checkbox"/> Other: _____ |

☐ III. **INITIAL STUDY** - This project is not statutorily or categorically exempt from CEQA; an Initial Study is to be prepared to determine if the project may have a significant effect on the environment.

☐ Stand-Alone ☐ Tiered Initial Study (15152): _____

☐ IV. **ENVIRONMENTAL IMPACT REPORT (EIR)** - It is known that the project will have a direct or cumulatively significant effect on the environment and an EIR will be/has been prepared. Identify the type of EIR:

☐ Programmatic ☐ Stand-Alone (Project-Specific) _____

Additional project analysis:

☐ None/Findings Only ☐ Addendum ☐ Subsequent ☐ Supplement to EIR: _____

PROJECT DESCRIPTION - [Insert brief project description, provide supporting documentation as appropriate.]

Real estate transaction type: ☐ Acquisition ☐ Sale ☐ Lease ☐ Easement ☐ License

Agriculture and Natural Resources proposes to construct a new building at the Intermountain Research and Extension Center. The proposed facility will consist of approximately 4,800 square feet and will provide conference space for approximately 110 occupants with smaller breakout and workrooms, laboratory sample space, and ancillary spaces. The proposed project would be constructed in an existing research plot with low research/crop growing potential that is currently used for equipment storage and overflow parking. Site preparation will include extending water and electrical services to the site and connection to an existing septic system with adequate capacity for the proposed project. The proposed project will be a pre-engineered metal structure to match the majority of existing structures at the Intermountain Research and Extension Center.

This project qualifies as categorically exempt under Exemption Class 3 of the Guidelines for the Implementation to the California Environmental Quality Act (CEQA). This exemption applies to the new construction of small structures. In addition, none of the exceptions for application of a categorical exemption apply to this project.

V. Does this project conform to the approved LRDP? ☐ YES ☐ NO ☒ NA [If NO or NA, include explanation in Project Description above]

VI.

Prepared by Matt Dulcich

Date

Local Approval by Shawn Tibor

Date

VII. OFFICE OF THE PRESIDENT

☐ Concur with Classification☐ Do not concur with Classification

Signed _____

Date _____

AMENDMENT TO THE PROJECT PLANNING GUIDE

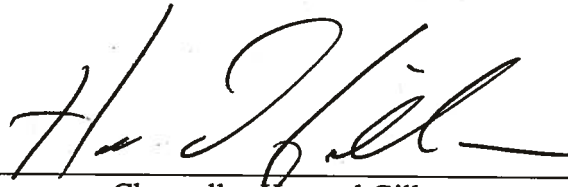
Interdisciplinary Science and Engineering Building

Project No. 999239

UNIVERSITY OF CALIFORNIA, IRVINE

August 2017

Approved:



Chancellor Howard Gillman



Provost and Executive Vice Chancellor
Enrique Lavernia

 8/18/17

Interim Campus Planning and Budget Officer
Assistant Vice Chancellor, Budget Office
Martha J. Graciano

AMENDMENT TO THE PROJECT PLANNING GUIDE

Interdisciplinary Science and Engineering Building

Project No. 999239

University of California, Irvine

Amendment to the Project Planning Guide

TABLE OF CONTENTS

BUDGET AND ANALYTICAL DATA FORMS

| | |
|--------------------------------------|---|
| A. EXECUTIVE SUMMARY | 1 |
| B. BACKGROUND | 1 |
| C. PROJECT SCOPE..... | 2 |
| D. PROJECT BUDGET AND SCHEDULE | 3 |

PROJECT TIME SCHEDULE

ENVIRONMENTAL IMPACT CLASSIFICATION

SITE PLAN

**CAPITAL IMPROVEMENT BUDGET
BUDGET DATA**

UNIVERSITY OF CALIFORNIA
IRVINE
Campus

| | | | |
|---|------------------|-----------|--------------|
| Project Name : Interdisciplinary Science & Engineering Building | 999239 | | CCCI: 6566 |
| | | | EPI: 3329 |
| Project Title | Campus Reference | Asset No. | Cost Indexes |

A. FUNDING SCHEDULE

| Totals | | | | Prefunded | | 2016-17 | | | 2017-18 | | | 2018-19 | | | 2020-21 | | |
|--------|---|----|---------|-----------|--|---------|----|-------|---------|---|----|---------|----|--|---------|--|--|
| | D | \$ | 4,800 | | | D | \$ | 1,000 | CF | D | \$ | 3,800 | SG | | | | |
| | C | \$ | 147,435 | | | | | | | C | \$ | 46,200 | SG | | | | |
| | | | | | | | | | | C | \$ | 30,000 | GF | | | | |
| | | | | | | | | | | C | \$ | 2,485 | CF | | | | |
| | | | | | | | | | | C | \$ | 68,750 | EF | | | | |
| | E | \$ | 4,000 | | | | | | | E | \$ | 4,000 | EF | | | | |
| Total: | | \$ | 156,235 | | | | \$ | 1,000 | | | \$ | 155,235 | | | | | |

B. FUNDING REFERENCES

| | Column (1) | (2) | (3) | (4) Total All Sources | |
|-------------|------------|-----|-----|-----------------------|--|
| Account No. | | | | | |
| Source | | | | | |
| | | | | | |
| | | | | | |

C. COST

| | | Original CIB | Augmentation | | % |
|--|--|-----------------------|----------------------|-----------------------|--------------|
| 0. Site Clearance | | \$906,000 | | \$ 906,000 | 0.6% |
| 1. Construction | | \$89,729,000 | \$27,618,000 | \$ 117,347,000 | 75.1% |
| 2. Exterior Utilities | | \$3,487,000 | | \$ 3,487,000 | 2.2% |
| 4. Site Development | | \$2,949,000 | | \$ 2,949,000 | 1.9% |
| 5. Fees | | \$7,766,000 | \$2,209,000 | \$ 9,975,000 | 6.4% |
| 6. A&E/PP&C | | \$3,398,000 | \$967,000 | \$ 4,365,000 | 2.8% |
| 7. Surveys/Tests/Plans & Specifications | | \$1,456,000 | \$410,000 | \$ 1,866,000 | 1.2% |
| 8. Special Items | | \$3,455,000 | \$1,650,000 | \$5,105,000 | 3.3% |
| SUBTOTAL | | \$ 113,146,000 | \$ 32,854,000 | \$ 146,000,000 | 93.4% |
| 9. Contingency 5.0% | | \$4,854,000 | \$1,381,000 | \$6,235,000 | 4.0% |
| TOTAL P-W-C | | \$ 118,000,000 | \$ 34,235,000 | \$ 152,235,000 | 97.4% |
| 3. Group 2&3 Equipment | | \$2,000,000 | \$2,000,000 | \$4,000,000 | 2.6% |
| TOTAL PROJECT | | \$ 120,000,000 | \$ 36,235,000 | \$ 156,235,000 | |
| Available Funding | | | | | |
| Anticipated Surplus (Deficit) | | | | \$ - | |

D. FINANCING

| | | |
|--|--------------------|-----------------------|
| | State Funds | \$ 50,000,000 |
| | Gift Funds | \$ 30,000,000 |
| | External Financing | \$ 72,750,000 |
| | Campus Funds | \$ 3,485,000 |
| | | \$ 156,235,000 |

E. STATUS OF PROJECT:

| Project Planning Guide Amendment | | | | | |
|----------------------------------|-------------------------------|-----------------------------|------------|----------|--|
| Cam | Name: | Signature: Brian Pratt | Budget No. | 2 | |
| pus | Title: | Title: Campus Architect | Issue Date | 08/03/16 | |
| | Prepared By: Capital Planning | Approved for Campus, Date: | Revised | 08/17/17 | |
| AVP-PPC | Program: | Signature: | Revised | | |
| | Fiscal: | Title: | Revised | | |
| | Cost | Approved for AVP-PPC, Date: | Revised | | |

**CAPITAL IMPROVEMENT BUDGET
BUDGET DATA**

UNIVERSITY OF CALIFORNIA

IRVINE

Campus

| | | | |
|---|------------------|-----------|--------------|
| Project Name : Interdisciplinary Science & Engineering Building | 999239 | | CCCI: 6566 |
| | | | EPI: 3329 |
| Project Title | Campus Reference | Asset No. | Cost Indexes |

F. ANALYTICAL DATA

| | | Original CIB | Augmentation | Total All Sources |
|----------------------------------|-------|------------------|-----------------|-------------------|
| ASF - Proposed | ASF | 79,700 ASF | 5,500 ASF | 85,200 ASF |
| ASF Current | ASF | ASF | ASF | ASF |
| OGSF - Proposed | OGSF | 133,000 OGSF | 48,700 OGSF | 181,700 OGSF |
| Ratio (ASF Current/OGSF | | 0.60 | 0.11 | 0.47 |
| Construction Cost per ASF | /ASF | \$ 1,125.83 /ASF | \$5,021.45 /ASF | \$ 1,377.31 /ASF |
| Construction Cost per OGSF | /OGSF | \$674.65 /OGSF | \$567.10 /OGSF | \$645.83 /OGSF |
| Total P-W-C Cost per ASF | /ASF | \$1,480.55 /ASF | \$6,224.55 /ASF | \$1,786.80 /ASF |
| Total P-W-C Cost per OGSF | /OGSF | \$887.22 /OGSF | \$702.98 /OGSF | \$ 837.84 /OGSF |
| Group 2&3 Equipment Cost per ASF | /ASF | \$25.09 /ASF | \$363.64 /ASF | \$ 46.95 /ASF |

G. CONSTRUCTION COST ANALYSIS

| | Costs | Unit Costs | | % | Remarks |
|----------------------------------|-------|------------|---------|--------|--|
| | | \$/ASF | \$/OGSF | | |
| Concrete & Structure | | | | | |
| Closing-In | | | | | |
| Finishing | | | | | |
| Group 1 Equipment | | | | | |
| a. SUBTOTAL-General Construction | | | | | |
| b. HVAC | | | | | |
| c. Plumbing | | | | | |
| d. Electrical | | | | | |
| e. Elevators | | | | | |
| f. Others | | | | | Identify: |
| TOTAL BUILDING | | | | | |
| COST ONLY | | | | 100.0% | |
| g. Additional Building Cost | | | | | Identify: |
| TOTAL BUILDING + | | | | | |
| ADDITIONAL COSTS | | | | | |
| h. Other Construction | | Identify: | | | |
| i. Other Construction | | Identify: | | | |
| TOTAL CONSTRUCTION | | | | | |
| COST | | | | | Same as Schedule C, Item 1 (line 24), Page 1 |

H. NOTES:

Sub 8 Includes:

| | | | |
|--|---------------------|--|---------------------|
| Acoustician | \$ 50,000 | Paleontologist/Tribal Monitor | \$ 40,000 |
| Agency Review | \$ 75,000 | Parking | \$ 115,000 |
| Commission Building Systems | \$ 75,000 | Peer Review: Civil, Architectural, and Waterproofing | \$ 80,000 |
| Environmental : IS/MND and EP&S | \$ 100,000 | Programming / Project DPP | \$ 500,000 |
| Environmental Monitoring During Construction | \$ 45,000 | Sampling (HAZMAT) | \$ 15,000 |
| Facilities Management Utility Coordination / Shutdowns | \$ 60,000 | Special Inspections: Architectural, Civil, Waterproofing | \$ 500,000 |
| Geotechnical Report | \$ 30,000 | Topographic/As-Built Survey/CAD Base Sheets | \$ 90,000 |
| Independent Seismic Review | \$ 75,000 | Utility Infrastructure Coordination | \$ 50,000 |
| Interest During Construction | \$ 2,900,000 | Value Engineering/Constructability Review | \$ 75,000 |
| Laboratory Planner | \$ 150,000 | Wind Study | \$ 80,000 |
| Subtotal Column "A": | \$ 3,560,000 | Subtotal Column "B": | \$ 1,545,000 |
| Total | | Total | \$ 5,105,000 |

| | | |
|--------------|------------|----------|
| | Budget No. | 2 |
| | Issue Date | 08/03/16 |
| | Revised | 08/17/17 |
| | Revised | |
| | Revised | |
| Prepared by: | Revised | |

AMENDMENT TO THE PROJECT PLANNING GUIDE

Interdisciplinary Science and Engineering Building

Project No. 999239

A. EXECUTIVE SUMMARY

At their November 2016 meeting the Regents reviewed UCI's Interdisciplinary Science and Engineering Building (at that time known as the Interdisciplinary Sciences Building) and approved a total project budget of \$120 million. The approved budget and scope was for a 133,000 gsf (79,700 asf) building that would provide teaching, research, and office space for the Schools of Engineering, Physical Sciences, and Information & Computer Sciences. As amended, the project would add approximately 41,400 gsf of shell space as a cost-effective way of providing additional space for these Schools or other sciences disciplines such as the School of Biological Sciences. In addition, the proposed augmentation would also fund a small amount of additional built-out research space that results in a net increase of approximately 5,500 asf in the building, and would increase the equipment budget to outfit shared research support and scholarly activity spaces in the building.

B. BACKGROUND

The Interdisciplinary Science and Engineering Building (ISEB) as currently approved would address the most urgent needs for instruction and research space for the Henry Samueli School of Engineering, the School of Physical Sciences, and the Donald Bren School of Information & Computer Sciences (ICS). Space shortages resulting from recent enrollment and program growth in these Schools are hindering their instructional programs and the recruitment and retention of faculty.

Project Drivers

Between 2008-09 and 2016-17, enrollment growth in the Schools of Engineering, Physical Sciences, and ICS far outstripped the level of growth for the campus as a whole. Undergraduate enrollment in the three Schools together increased 62 percent in less than a decade, compared to 21 percent undergraduate growth for the campus.

Faculty recruitment has not kept pace with enrollment growth. Between 2008-09 and 2016-17, the three Schools added only 37 faculty, a 13 percent increase. To correct this imbalance, the campus intends to recruit 88 new faculty in these Schools by 2020-21.

In November 2016, the Regents approved a total project budget of \$120 million to construct a 133,000 gsf (79,700 asf) building that would accommodate approximately 50 of the 88 new faculty being recruited for Engineering, Physical Sciences, and ICS.

At the time the project was planned, the campus recognized that this building wouldn't fully accommodate expected faculty growth in science and engineering disciplines and was exploring the possibility of leasing additional space until a second sciences building could be constructed. Given the drawbacks of leased space, including cost,

fragmentation of academic programs, and the stringent requirements for laboratory space, and the uncertainty of funding for another research building, the campus is proposing to add \$36.235 million to the ISEB project to expand the building and provide additional equipment, as outlined below:

- Construction of a large component of shell space—approximately 41,400 gsf—that would be built out with gifts and other non-State resources at a future time. In conjunction with this space, the building’s mechanical equipment would be upsized and additional fire-safety features incorporated to address high-rise code requirements. The shell space is intended to provide flexible research laboratory and academic space for the disciplines already slated to occupy the building, as well as potentially for Biological Sciences, which is anticipated to add another 23 faculty by 2020. Specific assignments would be determined at a later date.

Expanding the ISEB project is a cost-effective solution for providing additional space since site development and infrastructure for the building are provided as part of the base project. Increasing the size of the building would also result in more efficient land use.

- Construction of additional built-out laboratory support space that results in a net increase of approximately 7,300 gsf (5,500 asf) in the building. Completion of detailed planning, building massing, and conceptual floorplans resulted in building dimensions that allow for a small amount of additional space on the laboratory floors.
- Provision of \$2 million of additional equipment funds to outfit shared research support and scholarly activity space so that the building will be fully functional upon opening. The project as previously approved provided equipment funding for furnishings and to equip the instructional space. Additional equipment funding for the shared research support and scholarly activity space is now proposed because these types of spaces typically would not be funded from research grants.

C. PROJECT SCOPE

The proposed augmented scope of the Interdisciplinary Science and Engineering Building would construct a building of approximately 181,700 gross square feet that would provide approximately 140,300 gsf (85,200 asf) of built out space, plus approximately 41,400 gsf of shell space that would be built out as resources become available. The building will provide instructional computer laboratories, research and scholarly activity space to initially support approximately 50 research teams, academic and administrative office space, and shared auditorium and colloquium space. The table below provides a space breakdown of the proposed building.

Tables 1 and 2 below provide space breakdowns of the proposed building compared to the previously approved scope.

Table 1: Approved Total GSF vs. Proposed

| | |
|--|----------------|
| Approved GSF | 133,000 |
| Proposed additional built-out space | 7,300 |
| Proposed additional shell space ¹ | 41,400 |
| Total project GSF | 181,700 |

¹ Approximate gsf shown. The proposed shell space could ultimately provide approximately 30,000 asf of laboratory and academic space.

Table 2: Program Summary -- Approved ASF vs. Proposed

| Assignable Space Type | Approved ASF | Proposed ASF | Difference |
|----------------------------------|---------------|---------------|--------------|
| Instructional Labs & Support | 3,500 | 3,200 | -300 |
| Research & Scholarly Activity | 60,000 | 65,700 | 5,700 |
| Academic & Administrative Office | 12,000 | 11,900 | -100 |
| Shared Auditorium & Colloquium | 4,200 | 4,400 | 200 |
| Total ASF¹ | 79,700 | 85,200 | 5,500 |

¹ Excludes proposed additional shell space.

D. PROJECT BUDGET AND SCHEDULE

The project budget of \$156.235 million reflects an increase of \$36.235 million over the approved budget, and will be funded from a combination of external financing (\$72.75 million), gift funds (\$30 million), indirect cost recovery reserves (\$3.485 million), and external financing supported by State appropriations under Sections 92493 through 92496 of the Education Code (\$50 million).

The project schedule is unchanged, with construction scheduled to start in March of 2018 with completion in September of 2020.

Campus/Field Station/Division IrvineProject Account 999239Project Title Interdisciplinary Science and Engineering Building

For purposes of compliance with the California Environmental Quality Act of 1970 (CEQA), and Amended University of California Procedures for Implementation of CEQA, this project has been reviewed and initially classified as indicated below. Please check (X) as appropriate. Include project description and appropriate local map with your submission.

☐ I. **EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970** - When it can be seen with certainty that there is no possibility the action will result in physical change to the environment (15061(b)(3)), or the action is specifically exempted by statute (15260-15285), the project is classified as generally exempt from CEQA. General/Statutory Exemption: § [Insert applicable CEQA Guidelines Section]

☐ II. **CATEGORICALLY EXEMPT** - This project falls under the indicated Class(es) of Exemption(s), none of the exceptions to the exemption apply (15300.2), and there is no significant effect on the environment (for complete list see CEQA Guidelines Section 15300):

| | |
|---|--|
| <input type="checkbox"/> Class 1: Existing Facilities | <input type="checkbox"/> Class 17: Open Space Contracts or Easements |
| <input type="checkbox"/> Class 2: Replacement or Reconstruction | <input type="checkbox"/> Class 23: Normal Operation of Facilities for Public Gatherings |
| <input type="checkbox"/> Class 3: New Construction or Small Structures | <input type="checkbox"/> Class 25: Transfer of Land: Natural Conditions/Historical Resources |
| <input type="checkbox"/> Class 4: Minor Alterations to Land | <input type="checkbox"/> Class 30: Minor Actions: Prevent Hazardous Waste/Substances |
| <input type="checkbox"/> Class 6: Information Collection | <input type="checkbox"/> Class 31: Historical Resource Restoration/Rehabilitation |
| <input type="checkbox"/> Class 11: Accessory Structures | <input type="checkbox"/> Class 32: In-Fill Development Projects |
| <input type="checkbox"/> Class 13: Acquisition for Conservation | <input type="checkbox"/> Class 33: Small Habitat Restoration Projects |
| <input type="checkbox"/> Class 16: Transfer of Land Ownership for Parks | <input type="checkbox"/> Other: <u>[If other, identify which class under Section 15300]</u> |

☒ III. **INITIAL STUDY** - This project is not statutorily or categorically exempt from CEQA; an Initial Study is to be prepared to determine if the project may have a significant effect on the environment.

☐ Stand-Alone ☒ Tiered Initial Study (15152):

2007 UCI LRDP EIR SCH# 2006071024

☐ IV. **ENVIRONMENTAL IMPACT REPORT (EIR)** - It is known that the project will have a direct or cumulatively significant effect on the environment and an EIR will be/has been prepared. Identify the type of EIR:

☐ Programmatic ☐ Stand-Alone (Project-Specific)

[Identify EIR title]

Additional project analysis:

☐ None/Findings Only ☐ Addendum ☐ Subsequent ☐ Supplement to EIR:

[Identify EIR from which document is tiered/based]

PROJECT DESCRIPTION

Real estate transaction type: ☐ Acquisition ☐ Sale ☐ Lease ☐ Easement ☐ License [Include proposed use in project description below]

The proposed project would demolish the existing surface parking lot, 12B, and construct an up to 200,000-gross-square-foot (GSF) structure on a 3.5-acre site located in the Physical Sciences Quad of the Academic Core. With eight stories and an additional basement level, the structure would include wet laboratory, office, classroom and auditorium, and support space. Approximately 50,000 GSF would be constructed as unfinished shell space; however, the IS/MND analysis will include its buildout. Site improvements include paving and landscaping of the Physical Sciences pedestrian mall, along the edge of the project site, and between the project building and Physical Sciences Classroom Building and Physical Sciences Lecture Hall. Additional improvements would be made to the existing service road located to the east of the project site.

The project is consistent with the 2007 LRDP designation of Academic and Support, which allows for classrooms and instructional and research laboratories. Additionally, the proposed 200,000 GSF structure is within the total space program identified in the 2007 LRDP and analyzed in the 2007 LRDP EIR.

V. Does this project conform to the approved LRDP? ☒ YES ☐ NO ☐ NA [If NO or NA, include explanation in Project Description above]

[Signature]
Prepared by Lindsey Hashimoto

7/13/17
Date

[Signature]
Local approved by Richard Demerjian

7-13-17
Date

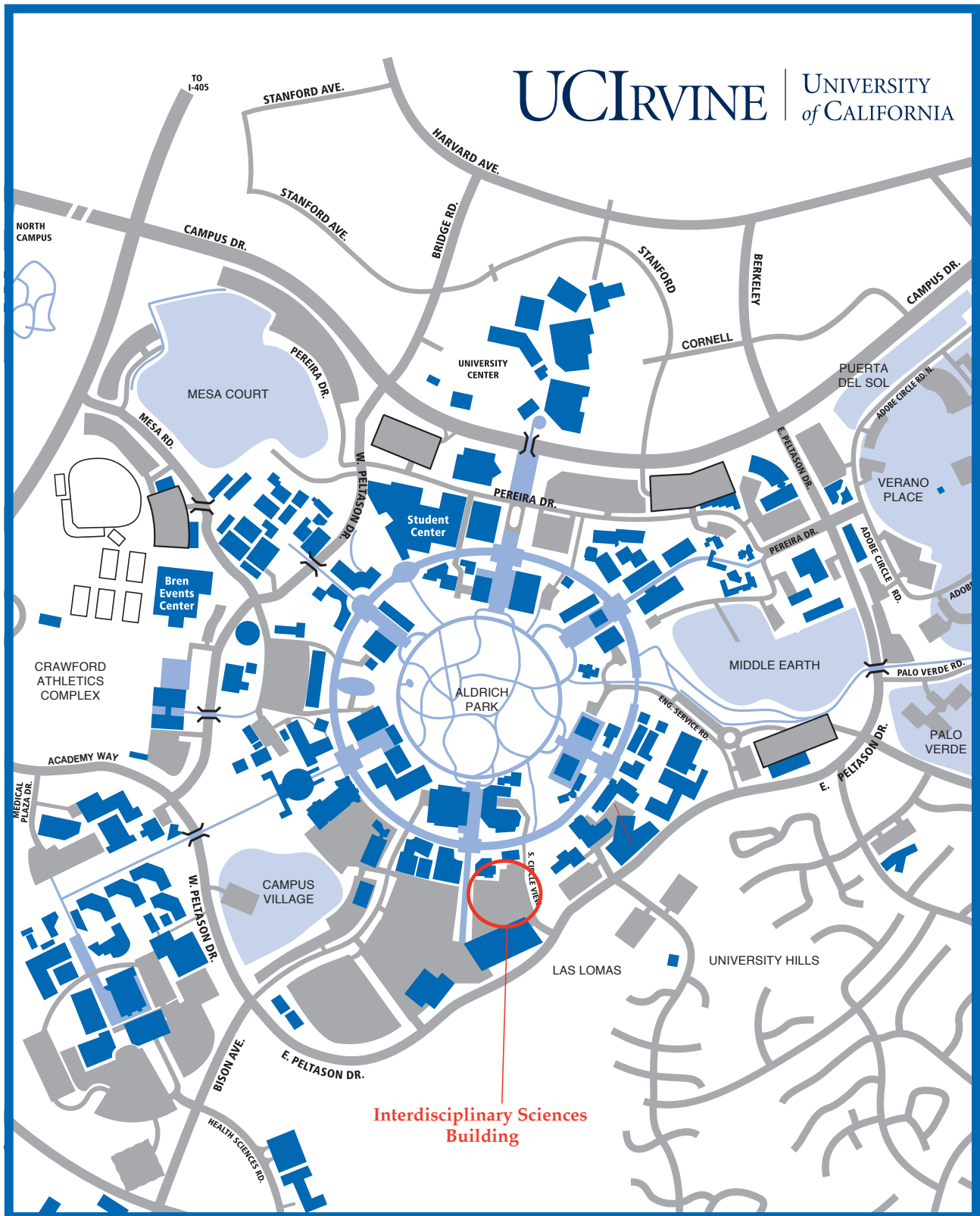
VII. OFFICE OF THE PRESIDENT

☒ Concur with Classification

☐ Do not concur with Classification

[Signature]
Signed

7/14/2017
Date



SITE PLAN