

**University of Colorado Boulder**

December 2013

**FY 2014-15 State Capital Construction Funding Requests****1) Ketchum Arts and Sciences Capital Renewal Project**

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- University of Colorado's first priority is a continuation project
- Design completed with 07-08 state funding
- \$1,149,528 cash added; \$11,592,712 state funds in FY14-15 will complete the project
- 59,454 GSF - undergraduate teaching laboratory space
- Replaces severely deteriorated infrastructure and building systems
- Utilization will increase by eliminating the deferred maintenance issues, enhancing existing conditions and equipment, and adding air conditioning
- Completion by fall semester 2015



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### 2) Jennie Smoly Caruthers Biotechnology Building - Academic Wing

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- \$4,022,989 cash added to enable design in FY14-15
- Additional state-funded 57,347 GSF wing to be added to the now complete \$160 million cash-funded “Jennie Smoly Caruthers Biotechnology Building” on CU Boulder’s East Campus, awarded LEED Platinum
- FY15-16 request for \$20,243,179 state and \$8,000,000 cash funds
- Undergraduate students will be exposed to leading-edge scientific exploration and innovation, and bear witness to the process of refining commercial applications for technology transfer to the private sector
- World class educational opportunities await students in the **Discovery Learning Apprentice Program** and the **Howard Hughes Biological Sciences Undergraduate Research Assistance Program**
- Graduates will have gained highly marketable skills while working side-by-side with internationally recognized faculty and research teams. The preparation of an astute workforce supports state **Office of Economic Development and International Trade** goals to boost the biosciences sector of the Colorado economy
- Occupancy - March 2017



## FY 2014-15 State Capital Construction Funding Requests

### 3) Aerospace and Energy Systems Building

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- Constructs new 73,238 GSF building for total \$47 million
- FY15 request is for \$4,354,159 in state funds + \$2,902,772 in cash spending authority for design
- Will help CU Boulder continue to rank as a national leader in Aerospace Engineering Sciences and in Renewable and Sustainable Energy
- New facility will engage students, scientists, engineers, federal partners and computational experts in interdisciplinary collaboration that will support new space missions, the development of new energy sources, and better management of existing energy resources
- Supports Department of Aerospace Engineering Sciences, the Department of Electrical and Computer Engineering, and the Department of Civil, Environmental and Architectural Engineering
- Current facilities limit enrollment to 2,200 students; Demand is greater
- Current vision for program plan is on main campus but we are exploring whether there are better synergies between LASP and Aerospace on the east campus
- Occupancy by January 2017



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## FY 2014-15 State Capital Construction Funding Requests

### FY 2014-15 Controlled Maintenance Project Summaries

#### **ECME Upgrade HVAC & Controls for IAQ, Ph 2 of 2:**

FY15 request = \$1,167,768

This project will support work on the air distribution system, testing and balancing, laboratory pressure controls, exhaust system improvements, emergency showers & eye washes, and the reconfiguration of the laboratory return air for the remaining portions yet to be completed. Phase 2 areas of work will include areas of the 1<sup>st</sup> Basement, 1<sup>st</sup> and 2<sup>nd</sup> floors of Mechanical Engineering.

#### **Ramaley AHU and Exhaust Fan Upgrades for IAQ, Ph 1 of 3:**

FY15 request = \$1,481,195

This project refurbishes supply air handling units (AHUs) in the west and south wings of Ramaley that are almost 40 years old. The scope includes new filter banks, new exterior louvers, new dampers, & new controls. Phase I includes refurbishment of the west wing AHU, demo existing exhaust fans and add new and redundant exhaust fans in the C Wing and the N Wing.

#### **Campus Fire Sprinkler Upgrades, Ph 1 of 5:**

FY15 request = \$790,953 (Revised 10-26-13)

This project provides fire sprinklers in Clare Small and Dennison buildings to minimize the risk to life, health, property, and continuity of operations.

#### **Improve Fire Department Access - various locations, Ph 1 of 1:**

FY15 request = \$164,739

This project widens access for the City of Boulder fire department connection to Henderson Museum and two fire hydrants west of the University Memorial Center accessed through parking lot 208. Access to parking lot 208 is restricted with an automatic vehicle barrier system with drive lanes roughly 9 feet 6 inches wide. Similar restrictions also occur at the Museum Collection/ Education building entrance to campus from Broadway. Both entrances will be widened for Fire Department access.

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#### Controlled Maintenance Project Summaries – Cont.

##### **Replace Chiller & Cooling Tower @ ARCE, Ph 1 of 1:**

FY15 request = \$888,073

This project replaces the chiller and cooling tower in the Administrative and Research Center building on the East Campus. The current system is unreliable and expensive to maintain.

##### **Science Learning Lab Building Electrical Service Upgrades, Ph 1 of 1:**

FY15 request = \$817,685

This project replaces switchgear in the Science Learning Laboratory and will bring the electric panel up to code for safety purposes.

##### **Campus Elevator System Upgrades, Ph 1 of 2:**

FY15 request = \$710,070

This project will upgrade aged elevators in Norlin Library, Muenzinger, Hellems, Ketchum, and Fleming, Science Learning Lab, and Regent Hall. Upgraded parts and features will bring them up to code and put them in a maintainable condition. Door operator packages, proximity edges, emergency lights, hydraulic power units, elevator controls with remote monitoring, door clutches, geared machine motors, and cab finishes will be part of the needed repairs for these elevators.

##### **Roof Repair/Replacement & Waterproofing, Ph 2 of 2:**

FY15 request \$773,990

This project addresses critically needed roof repair for Macky Auditorium, Imig Music and Ramaley Buildings. Repair will prevent leaks and damage to building interiors.