Quarterly Report of CU-Boulder Planning Projects

Capital Projects Status - January 2017 (for 2016 Q4)

This report is also available on the Facilities Planning Web Site:
http://www.colorado.edu/fm/planning-design-construction/planning

I. PROGRAM PLAN PHASE

The Program Planning Phase includes projects for which a state required program plan is being prepared, marketed, or has been completed and is waiting for funding.

Feasibility Preparation

1. Fleming – Tower Renovation and Systems Upgrades – Project is a renovation of four floors of the Tower for future academic use. The project provides new chilled water supply to the tower, upgrading the HVAC systems and distribution, new windows, updating the IT system, abatement and new interior finishes. Future phase renovation of aerospace lab/suite and added scope of classroom HVAC upgrades are being considered.

   Planner: Jan Becker  Estimated Cost: $5.3M – state funds
   Project Manager: TBD  Project Size: 9,352 ASF Renovation
   Planning Consultant: TBD  Regent Approval: TBD

2. 19th Street Trail and Bridge – Construct a new 10’ bike/pedestrian bridge at 19th St, and new 10’ ADA compliant bike/pedestrian trail from the bridge up the hillside, to connect the City of Boulder to the University of Colorado campus.

   Planner: Richelle Reilly  Estimated Cost: $5,998,000 – campus & DRCOG funds
   Project Manager: Brian Moffitt  Project Size: N/A
   Planning Consultant: TBD  Regent Approval: TBD

Awaiting Funding

1. Hellem’s Capital Renewal – The Five-Year Capital Improvement Program (CIP), approved by the Board of Regents in June, includes a year one capital renewal project for Hellem’s Arts and Sciences Building. Severely deteriorated electrical, plumbing, and mechanical systems will be replaced to comply with current code requirements, including life safety and ADA. This project is included in the UCB FY18 CIP and state request which has been submitted to the state for funding.

   Planner: Tom Goodhew  Estimated Cost: $30M – state funds
   Project Size: 95,065 GSF

Active Design Projects

1. Williams Village East Residence Hall – Project is to develop a new 700 bed residence hall on the Williams Village campus for Housing and Dining Services. Facilities are to be dormitory style housing directed at first-year and second-year students. Project is to be located just east of the Williams Village North Residence Hall.

   Planner: Tom Goodhew  Estimated Cost: $90M – HDS auxiliary funds
   Project Manager: Heidi Roge  Project Size: 177,000 GSF
   Design/Build Team: Whiting-Turner Construction with alm2s & KWK Architects
2. **Aerospace Engineering Sciences Building** – In August, the Legislative Capital Development Committee approved the campus’ request to cash fund $5.5M for the design of this building planned for the East Campus. For final phase, FY17-18 request to the state is for approximately $23M, with the balance up to $80.4M to be funded by the campus. Capital requests have been submitted to the state since the regents approved the original program plan in March 2008.

   Planner: Wayne Northcutt  
   Estimated Cost: $80.4M - state, campus & private funds
   Program Plan Consultant: HDR Architecture  
   Project Size: 138,500 GSF
   Architect: Hord Coplan Macht  
   Project Manager: Jim Faber

3. **Area North of Boulder Creek Bridges** – This project consists of the removal of existing pedestrian bridges over Boulder Creek between 17th Street and Folsom Street and the addition of a new pedestrian bridge. The bridge will be elevated above the 100-year floodplain and connect to pathways on the north and south sides of the creek. The project is funded by a two-phase grant from the Colorado Division of Emergency Management Hazard Mitigation Grant Program (HMGP), and Phase 1 has been approved for design and engineering from a conceptual level through design development. Upon completion of Phase 1 work, HMGP will review the project’s technical feasibility and projected cost estimate to determine if Phase 2 of the grant is awarded. FEMA funding = 75%, CU match funding = 25%.

   Planner: Amy Kirtland  
   Estimated Cost: $3.8M – campus & federal funds
   Project Manager: Brian Moffitt  
   Project Size: N/A
   Planning Consultant: Loris and Associates  
   Regent Approval: February 2017

### II. CONSTRUCTION PHASE

1. **Center for Academic Success & Engagement (CASE)** – New classroom, auditorium, conference and office spaces will be constructed over the Euclid Avenue Auto Park. Construction activities are underway.

   Planner: Wayne Northcutt  
   Estimated Cost: $43M – campus funds
   Project Manager: Stephen Graziano  
   Project Size: 115,000 GSF
   Program Plan: Consultant: RNL  
   Regent Approval: February 2014
   Design-Build Team: GH Phipps + OZ + BORA

2. **Laboratory for Atmospheric & Space Physics (LASP) – Astrophysics Research Lab (ARL) Cleanrooms** – Renovate existing cleanroom and instrumentation spaces at the Center for Astrophysics and Space Astronomy (CASA) Building. Per an agreement with the United Arab Emirates, LASP will develop, test, and integrate scientific equipment for a new spacecraft as part of the Emirates Mars Mission. The Mars orbiter will be launched on a JAXA rocket in January 2020.

   Planner: Wayne Northcutt  
   Estimated Cost: $9M – campus, ICR & private funds
   Project Manager: Keith Gardner  
   Project Size: 10,500 GSF
   Architect: Architectural Workshop  
   Regent Approval: June 2016
   CM/GC: Fransen Pittman GC

3. **Baseline Road Underpass** – The City of Boulder is coordinating with the campus to design and construct a new underpass at Baseline Road, between 28th Street and Broadway Avenue. Construction is underway.

   Planner: Richelle Reilly  
   Estimated Cost: City of Boulder funds
   Project Manager: City of Boulder  
   Project Size: N/A

4. **Systems Biotechnology Academic Wing (E or 5th Wing)** – Construction of the 5th wing of the Jennie Smoly Caruthers Biotechnology Building will provide teaching and research laboratories and classrooms to support current and new interdisciplinary programs for the Department of Chemical and Biological Engineering and the Biochemistry Division of the Chemistry and Biochemistry Department.

   Planner: Wayne Northcutt  
   Estimated Cost: $32,266,168 – campus, ICR & state funds
   Project Manager: Peter Nelson  
   Project Size: 53,147 GSF
   Architect: HDR Architecture  
   CM/GC: Adolfson & Peterson
5. **Capital Assets Management Plan (CAMP), Initial Priorities - Engineering Center Wing Renovation** – This project focuses on much-needed building system and classroom improvements in selected areas of the Engineering Complex.

   - Planner: Wayne Northcutt
   - Estimated Cost: $24,750,000 – campus funds
   - Project Manager: Rich Deborski
   - Project Size: 51,305 GSF
   - Architect: AMD Architects
   - Regent Approval: November 2014
   - CM/GC: Haselden Construction LLC

6. **Village Center Dining and Community Commons** – This project is constructing a new dining and residence life center for the Williams Village campus to replace the Darley Commons facilities. Occupancy planned in time to serve meals at the start of Spring Semester 2017.

   - Planner: Tom Goodhew
   - Estimated Cost: $48,900,000 HDS auxiliary funds
   - Project Manager: Jon Keiser
   - Project Size: 106,646 GSF
   - Program Plan Consultant: Slaterpaull Architects
   - Regent Approval: June 2014
   - Design/Build Team: GE Johnson / KSQ Architects

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**III. IN-ACTIVE DESIGN PHASE**

Includes authorized projects for which a project architect has been retained and design has temporarily been put on hold.

1. **Capital Assets Management Plan (CAMP), Initial Priorities - Carlson Gymnasium Renovation** – This project includes a renovation and infill of the existing spaces in the building in order to accommodate for much-needed academic program improvements on campus.

   - Planner: Tom Goodhew
   - Estimated Cost: $31M – campus funds
   - Project Manager: Stephen Graziano
   - Project Size: 52,630 GSF renovation
   - Architect: GKK Works
   - 9,000 GSF addition
   - Regent Approval: November 2014

2. **North of Boulder Area Creek Master Site Development Plan** – This project is to provide planning studies and design guidelines for development of the campus area north of Boulder Creek between 17th Street and Folsom Avenue. The project mitigates flood risks and replaces existing housing stock, while providing additional areas for athletic and recreation fields. Additional flexible development parcels are anticipated to accommodate expansion of the campus and respond to changing university needs over time. A master plan design is proposed and next steps would include stakeholder feedback, further floodplain analysis, and sensitivity studies.

   - Planner: Amy Kirtland
   - Estimated Cost: N/A
   - Planning Consultant: OZ Architecture
   - Project Size: N/A
   - Regent Approval: N/A

3. **Regent 3rd Floor Renovations** – The third floor of the Regent Administration Building will be renovated and reconfigured into new open office space.

   - Planner: Amy Kirtland
   - Estimated Cost: $2,380,392
   - Project Manager: Mike Gilbert
   - Project Size: 14,161 GSF
   - Architect: Iron Horse Architects
   - Regent Approval: NA

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**IV. PROJECTS BEING COMPLETED**

1. **2860 Wilderness Place Acquisition and Renovation** (formerly Life Sciences Complex) – Acquisition and renovation of an off-campus lab building has provided modern vivarium facilities to support behavioral research groups in campus life sciences programs. The project is considered a 7-10 year interim solution to a permanent East Campus facility.

   - Planner: Wayne Northcutt
   - Approved Cost: $20,449,289 – campus & ICR funds
   - Project Manager: Larry Hill
   - Project Size: 60,000 GSF
   - Program Plan Consultant/Architect: Anderson Mason Dale
   - CM/GC: Whiting-Turner
   - Regent Approval: April 2014, September 2015
2. **Athletics Complex** – The project first constructed new stadium seating on the northeast corner of Folsom Field, Champion Club seating. The new building east of Dal Ward, the Champion Center, houses administrative and academic functions of Athletics. The Dal Ward Center was remodeled and expanded for athletics program needs. Finally, the new Indoor Practice Facility was developed on the north half of Franklin Field with outdoor practice field to the south.

Planner: Bill Haverly/Tom Goodhew
Project Manager: Rachel Stonecypher
Design Build Team: Mortenson/Populous

Approved Cost: $166,199,173 – auxiliary & private funds
Project Size: 19,000 GSF renovation
173,000 GSF new building

3. **Folsom Parking Garage** – This is a below-grade parking garage built in conjunction with the Indoor Practice Facility. This two-level facility provided approximately 580 parking spaces to serve the campus.

Planner: Bill Haverly/Tom Goodhew
Project Manager: Rachel Stonecypher
Design Build Team: Mortenson

Approved Cost: $24,825,000
Project Size: 209,000 GSF
Regent Approval: June 2014

4. **Sustainability, Energy, and Environment Complex (SEEC)** - formerly Geosciences Complex - This project consists of a new wet lab building and renovation of the 289,000 GSF MacAllister Building immediately to the north.

Planner: Wayne Northcutt
Project Manager: Jim Faber
Consultant: Klipp Architecture
CM/GC: JE Dunn Construction

Approved Cost: $111,500,000 campus & private funds
Project Size: 289,000 GSF renovation
142,000 GSF new building

5. **Ketchum Arts and Sciences Renovation** – This project comprehensively renovated the building, including replacement of building systems infrastructure and reconfigured the building to comply with life-safety and ADA regulations while also aggregating classrooms on a single level. Initial office space was occupied January 2016; classrooms were available in February 2016.

Planner: Tom Goodhew
Project Manager: Keith Gardner
Architect: Slaterpaull Architects
CM/GC: Fransen Pittman GC

Approved Cost: $22,549,966 – state and campus funds
Project Size: 58,544 GSF
Regent Approval: June 2014

6. **Campus Utility System Improvements** – This project renovated the existing Main Campus Power House, and included the refurbishment of the cogeneration turbines; Construction of the Main Campus East District Energy Plant is augmenting steam and chilled water capacity throughout the campus. The project included distribution system improvements that interconnects the two plants and extends chilled water to the Kittredge area buildings. Construction is complete and systems are being commissioned.

Planner: Tom Goodhew
Project Manager: Katherine Dunklau
Program Plan Consultant: Lutz, Daily & Brain
CM/GC: JE Dunn Construction

Approved Cost: $91.1M auxiliary funds
Project Size: 73,350 GSF
Regent Approval: June 2011

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**Abbreviations used:**

- ADA: Americans with Disabilities Act
- CM/GC: Construction Management / General Contractor
- FEMA: Federal Emergency Management Agency
- FY: Fiscal Year (July 1 to June 30)
- GSF: Gross Square Footage
- HDS: Housing and Dining Services