I. PROGRAMMING PHASE

The Programming Phase includes projects for which a state-required program plan is being prepared and marketed or has been completed and is awaiting funding. This phase also includes other planning studies.

Feasibility Preparation

1. **Strategic Facilities Visioning** – Campus visioning effort for strategic facilities planning. The intent of the visioning is to understand where the university is headed over the next 30 years, the priorities of the schools and colleges, the growth of enrollment and its associated demographics, emerging changes to how we teach/learn (online, remote, video, experiential, technology, etc.), and ultimately, what we need to do to support the infrastructure needs of the campus to enable it to meet its goals.

   Planner: Bill Haverly
   Estimated Cost: N/A
   Project Manager: Ida Mae Isaac
   Project Size: N/A
   Planning Consultant: AECOM Strategy Plus
   Regent Approval: N/A

2. **Housing Master Plan** – A comprehensive Housing Master Plan to define residential community needs for a full range of campus constituents. Overarching goals are to support student success and education affordability through programs and facilities that create sustainable and resilient residential communities. Provision of safe, supportive and affordable living conditions allows students, faculty, and staff to focus on academic and research endeavors.

   Planner: Tom Goodhew
   Estimated Cost: N/A
   Planning Consultant: Brailsford & Dunlavey
   Project Size: N/A
   Regent Approval: N/A

3. **Transportation Master Plan** – The Transportation Master Plan will update and define the current transportation needs and the future of campus transit in preparation for the upcoming Campus Master Plan. The plan will start with analysis of existing conditions and campus data, providing options and recommendations based on goals for all phases of campus transportation including SOV & multi-modal travel, transit to and through campus, parking strategies & curb management, safety, new technologies, sustainability and resiliency.

   Planner: Richelle Reilly
   Estimated Cost: N/A
   Planning Consultant: Fehr & Peers
   Project Size: N/A
   Regent Approval: N/A

4. **Strategic Energy Master Plan** – The Strategic Energy Master Plan will define long-term Sustainability Goals pertaining to energy conservation, water conservation, reduction in greenhouse gas emissions and energy resiliency. Utilizing NREL Strategic Energy Management Evaluation Protocol, the plan will consider all aspects of energy related to UCB constituents with an eye towards advancing sustainable, resilient communities, enhancing the campus culture of quality academic and research pursuits.

   Planner: Lindsay Schumacher
   Estimated Cost: N/A
   Planning Consultant: TBD
   Project Size: N/A
   Regent Approval: N/A

5. **JILA Modernization** – JILA, a partnership between CU Boulder and NIST, seeks to develop contemporary physics lab spaces on the Boulder campus. Study will look at a combination of new laboratory spaces and renovation of existing office and support areas.

   Planner: Wayne Northcutt
   Estimated Cost: TBD
   Planning Consultant: TBD
   Project Size: TBD
   Regent Approval: N/A
Awaiting Funding

1. **Hellems Capital Renewal** – The Five-Year Capital Improvement Program (CIP), approved by the Board of Regents, includes a year-one capital renewal project for Hellems 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. **Studies – Phase 1**

   Planner: Tom Goodhew
   Estimated Cost: $75M – state & campus funds
   Project Manager: TBD
   Architect: TBD
   Contractor: TBD

2. **Guggenheim Geography Building Capital Renewal** – The Five-Year Capital Improvement Program (CIP), approved by the Board of Regents, includes a year-two capital renewal project for Guggenheim Geography 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. **Studies – Phase 1**

   Planner: Tom Goodhew
   Estimated Cost: $24,722,062 – state & campus funds
   Project Manager: TBD
   Architect: TBD
   Regent Approval: TBD
   Contractor: TBD

Active Design Projects

1. **Education – Fire Sprinkler/HVAC Upgrade** – This is a Controlled Maintenance (CM) project designed to replace the original mechanical system in the building with a new system which will tie into the new campus chilled water lines. The project will also install a fire sprinkler system in the building, as the building currently does not have one. **Concept – Phase 3**

   Planner: Tom Goodhew
   Estimated Cost: $3,789,266 – state funds
   Project Manager: Keith Gardner
   Architect: Architectural Workshop
   Regent Approval: N/A
   Contractor: TBD

2. **North of Boulder Creek 19th Street Trail and Bridge Capital Renewal** – 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. **Schematic – Phase 4**

   Planner: Richelle Reilly
   Estimated Cost: $5,998,000 – campus & DRCOG funds
   Project Manager: Brian Moffitt
   Design Consultant: Loris and Associates/BHA Design
   Regent Approval: June 2012

3. **UMC – South Terrace Renovation Capital Renewal** – Repair and replace existing exterior 17,000 SF south terrace paver system due to leaks into the bowling alley lounge below. Project requires structural reinforcement of terrace deck. **Document – Phase 6**

   Planner: Tom Goodhew
   Estimated Cost: $2,500,000 – campus funds
   Project Manager: Jim Wollum
   Architect: Handprint Architecture
   Regent Approval: N/A
   Contractor: TBD

4. **Koelbel Business and Engineering School Expansion** – Addition and renovation to Koelbel for Business School and CEAS/ECCS Wing. Architect has been selected. **Schematic – Phase 5**

   Planner: Jan Becker
   Estimated Cost: $45M – campus & private funds
   Project Manager: Keane Ray
   Architect: Anderson Mason Dale
   Regent Approval: 11/09/18
   Contractor: Haselden
5. **Fleming Office Tower Renovation and Systems Upgrades** – Tower renovation for HVAC and data access upgrades and new finishes in offices. Center building renovation to include HVAC and data access upgrades only.  
*Document – Phase 6*

Planner: Jan Becker  
Estimated Cost: $13.71M – campus funds  
Project Manager: Blake Guyer  
Project Size: 23,444 GSF (tower only)  
Architect: Beck Architecture  
Regent Approval: June 2018  
Contractor: CM/CG: Adolfson & Peterson

**II. CONSTRUCTION PHASE**

1. **Williams Village East Residence Hall** – Project to develop a new 700-bed residence hall on the Williams Village campus for Housing and Dining Services. Dormitory style housing directed at first- and second-year students to be located just east of the Williams Village North Residence Hall.  
*Construction – Phase 6*

Planner: Tom Goodhew  
Estimated Cost: $96,700,000 – HDS auxiliary funds  
Project Manager: Heidi Roge  
Project Size: 178,051 GSF  
Design/Build Team: Whiting-Turner Contracting Co. with alm2s & KWK Architects  
Regent Approval: June 2017

2. **Aerospace Engineering Sciences Building** – New 4-story building for Aerospace Engineering. 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.  
*Construction – Phase 6*

Planner: Wayne Northcutt  
Contractor: Whiting-Turner Contracting Co.  
Estimated Cost: $82,545,712 - campus & private funds  
Project Manager: Jim Faber  
Project Size: 139,167 GSF  
Architect: Hord Coplan Macht  
Program Plan Consultant: HDR Architecture  

3. **Aerospace North Wing Addition** – North wing addition to the Aerospace Engineering Sciences AES building in support of accelerated student enrollment.  
*Construction – Phase 6*

Planner: Wayne Northcutt  
Estimated Cost: $18,653,000 - campus & private funds  
Project Manager: Jim Faber  
Project Size: 31,265 GSF  
Architect: Hord Coplan Macht  
Contractor: Whiting-Turner  
Regent Approval: February 2018

4. **Music – Imig Addition** – New addition to south side of Imig.  
*Document – Phase 6*

Planner: Amy Kirtland  
Estimated Cost: $57M – campus + private funds  
Project Manager: Rachel Stonecypher  
Project Size: 58,000 GSF  
Architect: Pfeiffer  
Contractor: Adolfson & Peterson Construction  
Regent Approval: June 2018

5. **North of Boulder Creek 23rd Street Bridge Capital Renewal** – 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). 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%.  
*Document – Phase 6*

Planner: Amy Kirtland  
Estimated Cost: $3.8M- campus & private funds  
Project Manager: Brian Moffitt  
Project Size: N/A  
Design Consultant: Loris and Associates  
Contractor: Hamilton  
Regent Approval: February 2017
6. **Integrative Physiology Relocation/Ramaley Addition** – Laboratory addition to Ramaley to provide modern research facilities, accommodate growth for IPHY and consolidate department operations into fewer buildings.

*Document – Phase 6*

- **Planner:** Wayne Northcutt / **Project Manager:** Peter Nelson
- **Estimated Cost:** $21M – campus funds
- **Planning Consultant:** CRB
- **Architect:** Hord Coplan Macht
- **Contractor:** Fransen Pittman
- **Regent Approval:** February 2018

**Project Size:** New construction - 28,000 GSF

**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 / **PM:** Stephen Graziano
- **Estimated Cost:** $31M – campus funds
- **Architect:** GKK Works
- **Planning Consultant:** OZ Architecture
- **Project Size:** 52,630 GSF renovation / 9,000 GSF addition
- **Project Manager:** Stephen Graziano
- **Contractor:** TBD
- **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. **Engineering Center Office Tower Capital Renewal and Renovation** – This project includes renovation of tower office floors 2 – 8.

*Schematic – Phase 4*

- **Planner:** Jan Becker
- **Estimated Cost:** $24.5M – campus funds
- **Project Manager:** Rich Deborski
- **Project Size:** 77,600 GSF
- **Architect:** Anderson Mason Dale
- **Contractor:** Haselden
- **Regent Approval:** TBD

**IV. PROJECTS BEING COMPLETED**

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

*Construction – Phase 7*

- **Planner:** Wayne Northcutt
- **Estimated Cost:** $52,955,672 – campus funds
- **Project Manager:** Stephen Graziano
- **Project Size:** 115,000 GSF
- **Program Plan:** Consultant: RNL
- **Design-Build Team:** GH Phipps + OZ + BORA
- **Regent Approval:** February 2014, June 2017

2. **Engineering Center Administrative Wing** – This project proposes complete renovation of the administrative suite and includes replacing HVAC system and improving space utilization.

*Construction – Phase 7*

- **Planner:** Jan Becker
- **Estimated Cost:** $3.82M – campus funds
- **Project Manager:** Keane Ray
- **Project Size:** 8,710 GSF
- **Architect:** Anderson Mason Dale
- **Contractor:** JHL Constructors Inc.
- **Regent Approval:** February 2018

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