



University Health & Counseling Center

Ten-Year Capital Plan

December 2020

Prepared by:
Campus Planning and Facilities Management



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University of Oregon Capital Plan Master Schedule

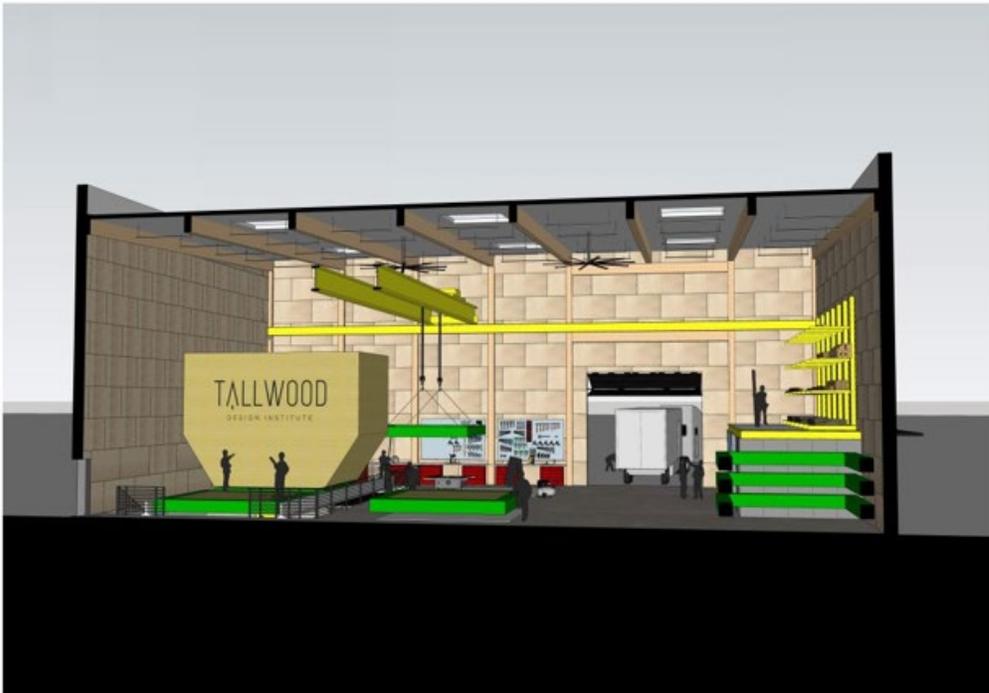
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Project: 2020 Capital Plan
Date: December 2020

Task		Project Summary		Manual Task		Start-only		Deadline	
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Academic Projects



Oregon Acoustics Research Laboratory

PROJECT DESCRIPTION

The Oregon Acoustics Research Laboratory will be used to do acoustic testing of floor-ceiling construction assemblies, develop innovative mass timber assemblies, develop acoustical isolation technologies, and conduct human factors comfort and physiology research.

Objectives

- The proposed facility will attract industry engagement and co-development of intellectual property because of its high acoustical performance and high throughput testing capabilities.
- UO will be the only institution of higher education in North America with such a facility and it will support advancement of mass timber technologies, building acoustic material designs, and acoustics education and research programs.

CURRENT PROJECT

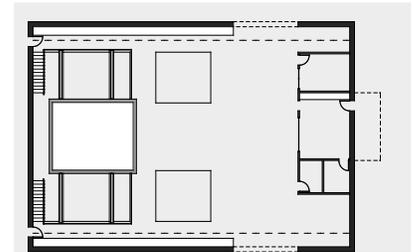
Design and Construction Scope

Build-to-suit a 7,000-10,000 square foot acoustic facility off campus to conduct research of mass timber and other construction assemblies, development of acoustical isolation technologies, building acoustics education, and industry contracted testing of floor-ceiling assemblies. The facility will split time between research, education, and industry contracted acoustical testing.

Current Project Status

The project Design for the Acoustic Chamber has been completed through the design development phase. The process of selecting a partner to complete the design, and then construct & operate the facility is underway. A site in Springfield has been selected that is suitable for this specialized facility.

PROJECT STATS



Project Type: New Building

Space Type: Design and research

Square Footage: 7,000-10,000

Current Projected Budget: \$8.75 M

Funding Source(s): Awarded grant from Business Oregon (\$702K), TallWood Design Institute State Allocation (\$150K), other Grants, Gifts, and the UO Internal Bank.

Project Completion: Winter 2021



Zebrafish International Resource Center (ZIRC)

Research Restoration and Expansion

PROJECT DESCRIPTION

Biomedical research using zebrafish began at the University of Oregon in the 1970's. Today, more than 1000 laboratories in 41 countries use zebrafish to model human biology and disease, as well as to study basic principles of biology. UO is known worldwide as the birthplace of zebrafish research.

In addition to 8 zebrafish research laboratories, UO is home to the Zebrafish International Resource Center (ZIRC) and the Zebrafish Information Network (ZFIN), two unique resources that serve vital functions for the international research community.

The National Institute of Health (NIH) has awarded an up to \$8M CO6 construction grant to support the modernization of existing or new infrastructure for biomedical research facilities. This opportunity would allow for the modernization of the existing 10,000 square foot ZIRC building that was constructed in 1999. Grant funding would also allow for the replacement of the 20-year-old aquaculture equipment systems

Objectives

- Replace existing aquaculture filtration equipment that supports the main fish room.

CURRENT PROJECT (PENDING BOT APPROVAL)

- Expand the existing ZIRC building to create more efficient support spaces and increase their operational capacity. Building expansion will be up to approximately 5,000 sf.
- Incorporate a second quarantine room that will double current capacity.
- Improve equipment cleaning throughput and efficiency with new equipment and improvements to the circulation of dirty and clean equipment.
- Add space for cryogenic freezers to increase long-term resource storage.
- Upgrade building mechanical, plumbing, and electrical systems to support new equipment and spaces, as required.

Current Project Status

Construction Documents are being prepared for a final NIH review in early 2021. NIH approved drawing set will be used for single phase permitting through the City of Eugene. Bidding is projected to occur in spring of 2021. Construction is forecasted for 10 months for a spring 2022 complete.

PROJECT STATS



Project Type: Equipment and Building Renovation and Expansion

Space Type: Research

Project Square Footage: 9,742

Addition 4,875 sf, Renovation 4,867 sf

Anticipated Budget: \$8.8M

Funding Source(s):

\$8M - CO6 Grant (Grant allowable)

\$.55M - VPRI (Non-grant allowable)

\$.25 - Supplemental Grant

Expected Completion : Spring 2022



Huestis Hall Deferred Maintenance

PROJECT DESCRIPTION

CURRENT PROJECT (LEGISLATIVELY APPROVED, PENDING BOT APPROVAL)

PROJECT STATS

Huestis Hall was constructed in the early 1970s. The raw concrete façade and repetitive windows are features typical of the Brutalist architecture style popular during the time. The four-story building is part of the science complex and is connected to Streisinger Hall. The Lokey Laboratories expansion is beneath Huestis Hall.

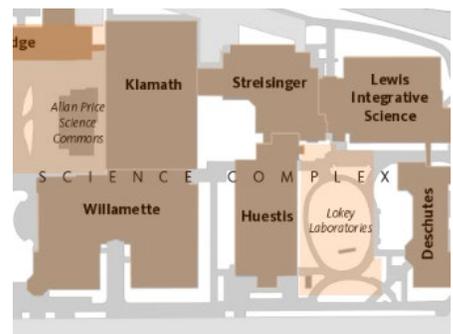
Objectives

- Replace the original building mechanical, electrical, and plumbing systems and equipment
- Create modular lab spaces by revising layouts and equipping them with casework systems designed to adapt to a changing environment
- Modernize the circulation corridors and shared public areas.
- Reduce the energy and maintenance costs
- Update the fire alarm, notification, and sprinkler system

- Renew the network infrastructure and pathways
- Increase the program square footage in the basement by relocating mechanical equipment from the basement to the roof (750 SF gain)
- Address the building envelope leaks that have plagued the facility
- Retrofit the seismic lateral-force-resisting system to achieve current life safety performance levels

Project Status

In Programming/Concept design



Project Type: Building Renovation

Space Type: Laboratory and Classroom Teaching Labs

Project Square Footage: 53,850

Anticipated Budget: \$63.6M

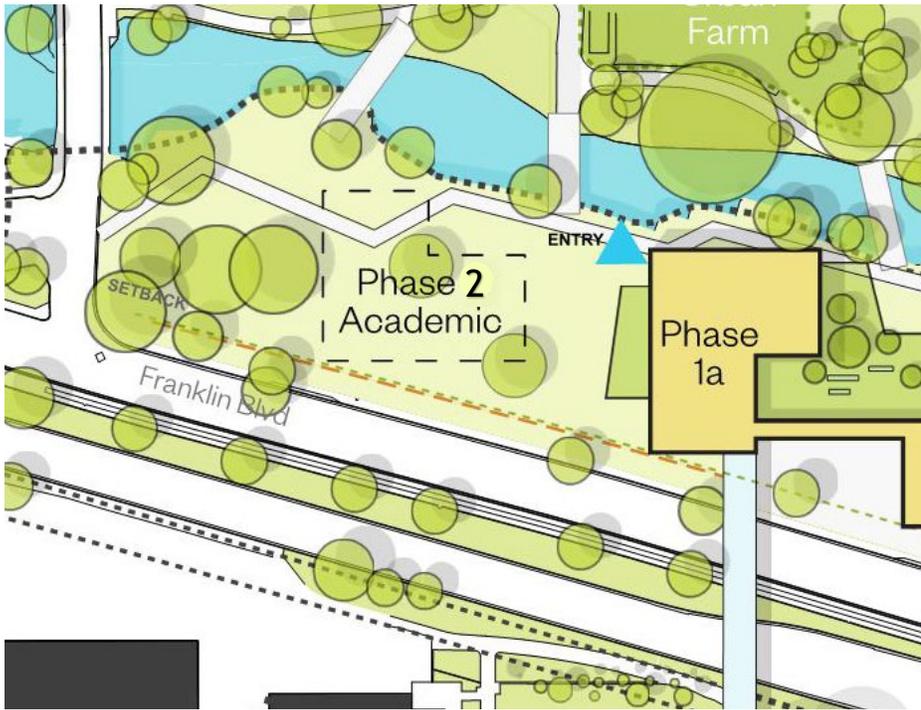
Funding Source(s):

Q Bonds: \$50.8M

G Bonds: \$6.36M

UO Match: \$6.36M

Project Completion: January 2024



Knight Campus Phase 2 - Academic Building

PROJECT DESCRIPTION

Knight Campus Phase 2 provides for an expansion of academic endeavors associated with the mission of the Knight Campus initiative. Located on the northern edge of the campus seven-minute walking circle, this site provides the best opportunity to integrate undergraduate and graduate education into the programs being developed within the Knight Campus.

Objectives

- Enhance the mission of the Knight Campus through the development of undergraduate and graduate academic programs.

PLANNED PROJECT

Design and Construction Scope

- Complete the development of the Franklin Blvd site, with a third phase planned on Riverfront Research Parkway.
- Improve access across Franklin Blvd at Onyx Street.

Project Status

Project is in pre-planning

PROJECT STATS

Project Type: New Construction

Space Type:

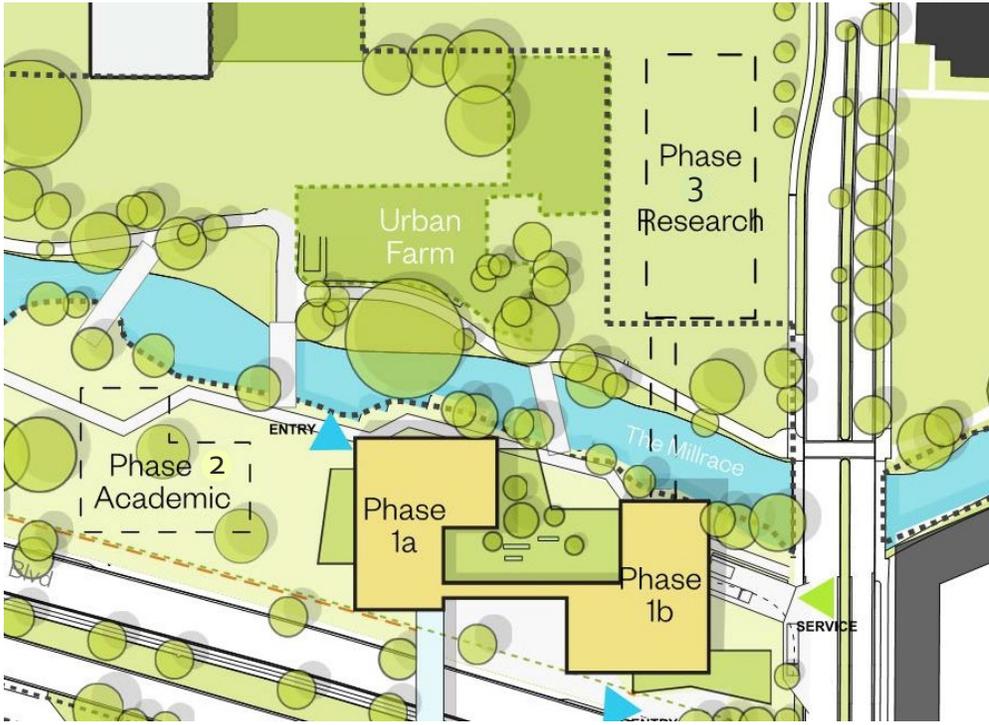
Academic classroom space, scientific and engineering teaching labs.

Net Square Footage: Approx. 50,000-55,000

Anticipated Budget: TBD

Funding Source(s): Gift Funds

Expected Project Duration: 3-4 years



Knight Campus Phase 3 - Laboratory Building

PROJECT DESCRIPTION

The Knight Campus for Accelerating Scientific Impact has planned for a Phase 3 facility that will provide an opportunity to expand the breadth of research potential through the development of additional laboratories and associated support spaces.

Objectives

- Expand the range of research activities available within Knight Campus.
- Build a bridged connection to the first Knight Campus research building to continue the interconnectivity of the research community.

PLANNED PROJECT

Design and Construction Scope

Development of this facility will further define an open space framework and enhance the campus presence north of Franklin Boulevard.

Project Status

The project is in pre-planning

PROJECT STATS

Project Type: New Construction

Space Type: Research

Net Square Footage: 120,000 -150,000

Anticipated Budget: TBD

Funding Source(s): Gift Funds

Expected Project Duration: 3-4 Years



Campus Heritage Project: University and Villard- Deferred Maintenance

PROJECT DESCRIPTION

University and Villard Halls are the two founding buildings of the University of Oregon. In 1876 University Hall was the first building constructed. Villard Hall followed in 1885. Both are listed on the National Register for Historic Places. Both buildings are designated National Historic Landmarks.

University Hall encompasses multiple math classrooms supporting approximately 17,000 students annually. The building also contains faculty and staff offices. Villard Hall is currently the home of the Theater Arts Department and the Comparative Literature Program supporting approximately 5,000 students in a typical academic year.

Objectives

- Replace all building systems (mechanical, electrical, plumbing, fire protection, computer network, access controls, and security). These new systems will meet energy performance requirements of the Oregon Model for Sustainable Development and LEED Gold certification.
- Improve building exterior envelope conditions, including historic preservation treatments as well as energy efficiency improvements.
- Provide corrective life/safety and accessibility measures to the building.
- Upgrade the building structural systems to comply with current building code to

PLANNED PROJECT

ensure a structurally sound building in a seismic event.

- Provide corrective improvements to building utility systems (storm water, sanitary sewer, domestic water, fire protection water, and natural gas), and capitalize on the connection to the Central Power Station.
- Revitalize building spaces to meet current campus standards and improve the student experience. Improvements to the building interior environment will include finishes, lighting, and quality of space to meet campus standards.
- Improve the south entrance to Villard Hall as it has become the primary entrance to the building. This in turn will improve accessibility both entering and navigating the building.
- Improve the south parking lot to provide a link between University and Villard Halls and to enrich the pedestrian experience.

Project Status

Building assessments have been completed

PROJECT STATS

Project Type: Renovation, Restoration and Deferred Maintenance

Space Type: Classrooms, Offices, Theater and Theater Support Functions

Square Footage:

University Hall: 26,616

Villard Hall: 32,000

Robinson Theater: 19,153

Anticipated Budget: \$64.35M

Funding Source(s):

Q Bonds: \$52.65M

G Bonds: \$5.85M

UO Match: \$5.85M

Project Duration: 3-4 years



Pacific Hall Classroom 123 and Lobby Addition & Renovation

PROJECT DESCRIPTION

Pacific Hall is one of our core science and research buildings. It is located at the far edge of the science complex, immediately to the west of Onyx Bridge. Built in 1950, it recently underwent a major renovation to the south wing. In addition to housing major research laboratory facilities, this building also contains a 200-seat classroom which supports the academic mission of the science programs. This classroom is in need of significant renovation. Additionally, the lobby entrance to the building, which is adjacent to this classroom lacks ADA-compliant access for the building, appropriate staging for the classroom, and does not support the function of the building.

Objectives

- Upgrade classroom 123 to meet current academic standards for classroom use, including ADA compliance, improved audiovisual technology, new seating, energy efficient lighting and improved acoustics.
- Renovate and expand the west lobby in order to provide an ADA compliant entrance and improve functions of the space to support the building needs.

PLANNED PROJECT

Design and Construction Scope

The proposed project consists of renovating a 200-seat classroom and expanding/improving the lobby on the West side of the building.

Project Status

The project is in pre-planning

PROJECT STATS

Project Type: Addition and Renovation

Space Type: Classroom and Public

Square Footage:

Addition: 1500

Renovation: 3800

Anticipated Budget: \$6M

Funding Source(s):

Revenue bonds

Gift Funds

Project Duration: 3-4 Years



Classroom and Faculty Office Building New Building

PROJECT DESCRIPTION

POTENTIAL PROJECT

PROJECT STATS

This project will provide necessary classroom seats (approximately 750 new seats) and faculty offices to address capacity challenges as the university increases student enrollment in the coming years.

Objectives

- Add classroom seats to facilitate more robust scheduling options for students.
- Incorporate faculty offices to better house existing faculty throughout campus and accommodate new faculty growth as enrollment grows.

This project is to design and construct a 60,000 SF classroom building that supports the teaching initiatives of the university.

Project Status

At end of schematic design phase and on hold.

Space Type: Classroom and Office

Square Footage: Approx. 60,000

Anticipated Budget: \$56.7M

Funding Source(s):

Revenue Bonds
Gifts

Project Duration: 3-5 years

Design and Construction Scope

Project Type: New Building



Hendricks Hall Deferred Maintenance

PROJECT DESCRIPTION

Hendricks Hall was built in 1918 and serves the College of Arts and Sciences, Career Services, and the College of Design. Hendricks is an unreinforced masonry building which frames the Women's Memorial Quad.

Objectives

- Replace building systems that are at the end of their useful life.
- Bring building up to current seismic standards.
- Bring building into ADA compliance.
- Reduce energy and maintenance costs.
- Improve functional efficiency for occupying departments.

POTENTIAL PROJECT

Design and Construction Scope

This project will replace the building infrastructure including HVAC, plumbing, and electrical systems. This project will also provide improvements to the building envelope to increase building performance, increase energy efficiency, and improve thermal comfort.

Project Status

Project is in pre-planning

PROJECT STATS

Project Type: Building Renovation and Systems Replacement

Space Type:
Existing: Offices

Square Footage: 28,568

Anticipated Budget: TBD

Funding Source(s): TBD

Expected Project Duration: 3-4 years



Klamath Hall Deferred Maintenance

PROJECT DESCRIPTION

Klamath Hall was built in 1967 and is a poured concrete building in the Brutalist architecture style. This building is core to the science complex and is also attached to Onyx Bridge, Willamette Hall, Streisinger Hall, the Lewis Integrative Science Building, and the Price Science Commons and Research Library at the basement level.

Objectives

- Replace building systems that are at the end of their useful life and put research at risk due to leaks and loss of power.
- Create safe laboratories that meet current safety standards and building codes.
- Remove office functions and maximize square footage of research laboratories to help support faculty recruitment and retention.
- Replace building systems to provide capacity in the facility for research to grow. Current systems have no additional capacity.
- Reduce energy and maintenance costs.

POTENTIAL PROJECT

Design and Construction Scope

This project will replace the 1960's building infrastructure including HVAC, plumbing, and electrical systems. This project will also provide a new exterior building envelope to increase building performance, increase energy efficiency, and improve thermal comfort. As the current configuration relies on a neighboring building for vertical transportation, a new elevator supporting Klamath will be included. This project will complement the 3rd Floor renovation project that is currently underway.

Project Status

Building assessment completed

PROJECT STATS



Existing Lab Conditions

Project Type: Building Renovation and Systems Replacement

Space Type:

Existing: Laboratory, Instruction and Office
New: Laboratory and Instruction

Square Footage: 80,000

Anticipated Budget:

Phase 1: \$50M
Future Phases: \$47.4M

Funding Source(s): Q-Bonds

Expected Project Duration: 4-5 years



Condon Hall Deferred Maintenance

PROJECT DESCRIPTION

The original portion of Condon Hall was built in 1925 and is an unreinforced masonry building. In 1966 a major addition was added to the south. This building is a concrete structure with a brick clad exterior. It currently houses the Geography and Anthropology departments. It also contains eight classrooms.

Objectives

- Replace building systems that are at the end of their useful life.
- Bring building up to current seismic standards.
- Bring building into ADA compliance.
- Reduce energy and maintenance costs.
- Improve functional efficiency for occupying departments.

POTENTIAL PROJECT

Design and Construction Scope

This project will replace the aged building infrastructure including HVAC, plumbing, and electrical systems. This project will also upgrade exterior building envelope to increase building performance, increase energy efficiency, improve thermal comfort.

Project Status

Long-term exploration

PROJECT STATS



1966 Addition

Project Type: Building Renovation and Systems Replacement

Space Type:

Research Laboratories, Faculty Offices, Classrooms and Administrative Offices

Square Footage: 42,325

Anticipated Budget: TBD

Funding Source(s): TBD

Expected Project Duration: 3-4 years



Knight Library Commons & Off-Site Storage

PROJECT DESCRIPTION

Knight Library, originally constructed in 1937 has had a number of major renovations and additions, the last occurring in 1994. Through the decades of change, the function of the building has continually transformed. With the influx of technological resources available to students, faculty and staff the building is in need of another transformation to build more collaborative learning environments that support current and future educational trends. This renovation also involves a need to develop off-site storage for the volumes of books and reference materials that are still used today, just not at the frequency that they have historically. An off-site storage facility that maintains access to this material will free up much needed space within the current building, located in the core of campus, for the development of commons learning spaces that will support the future trends of higher education learning environments.

Objectives

- Free up and renovate precious space within the core of campus to support future learning spaces.
- Relocate book stacks to an off-site storage facility in order to maintain availability.

POTENTIAL PROJECT

Design and Construction Scope

This project may construct a new off-site storage facility with appropriate environmental controls for the storage of the materials being relocated (leasing space is also an option). Renovations to the existing library will be made to develop commons learning spaces that provide environments that are appropriate for current collaborative and interactive learning techniques.

Project Status

Project in pre-planning

PROJECT STATS



Study space in 1994 Addition

Project Type: New Storage Structure and Existing Building Renovation

Space Type:
Library and Materials Storage

Square Footage: TBD

Anticipated Budget: TBD

Funding Source(s): TBD

Expected Project Duration: 4-5 years



Student Services and Enrollment Management Projects



Hamilton and Walton Residence Halls Transformation Project Ph1

PROJECT DESCRIPTION

Dynamic and attractive communities are needed now to help drive and support student recruitment and retention in a very competitive environment. Walton Hall and Hamilton Hall are in need of mechanical, electrical, plumbing, roofing, and other major systems replacement, as well as significant contemporary improvements.

Objectives

- Drive and support enrollment growth.
- Grow from 1,400 to 1,800 beds, including 400 upper-division student focused beds.
- Enhance Academic Residential Community offerings.
- Provide a variety of room types.
- Explore adding retail space to the ground floor.
- Add Prospective Student Recruitment and Visitors Center.
- New and enhanced dining options.

CURRENT PROJECT

Design and Construction Scope

Design and construct new facilities in three phases between 2019 and 2024.

- Phase I: Building A
- Phase II: Buildings B & C
- Phase III: Hamilton demolition and open space restoration.

Phase I Construction Scope

Complete the design and construct a 700-bed residential facility, including Academic Residential Communities and associated learning spaces, a Faculty in Residence Apartment, new dining venues, and a prospective students recruitment and visitors center. Building A will have 7 floors, including a mezzanine, for a total of 209,500 GSF.

Project Status

Phase I is 50% through construction. Completion early summer 2020.

PROJECT STATS



Project Type: Building(s) Replacement

Space Type: Housing, Dining, Academic Residential Community Space, Prospective Student Recruitment and Visitors Center.

Square Footage: Phase I 209,500 GSF

Anticipated Total Project Budget: \$86.4M

Funding Source(s): Revenue Bonds/Internal Bank; University Housing Carry Forward; Funding Raising/Sponsorships

Target Completion Date: Phase I: Spring 2021; Phase II: Spring 2023, and Phase III: Fall 2024



Hamilton and Walton Residence Halls Transformation Project: Ph 2

PROJECT DESCRIPTION

Dynamic and attractive communities are needed now to help drive and support student recruitment and retention in a very competitive environment. Walton Hall and Hamilton Hall are in need of mechanical, electrical, plumbing, roofing, and other major systems replacement, as well as significant contemporary improvements.

Objectives

- Drive and support enrollment growth.
- Grow from 1,400 to 1,800 beds, including 400 upper-division student focused beds.
- Enhance Academic Residential Community offerings.
- Provide a variety of room types.
- Explore adding retail space to the ground floor.
- Add Prospective Student Recruitment and Visitors Center.
- New and enhanced dining options.

PLANNED PROJECT

Design and Construction Scope

Design and construct new facilities in three phases between 2019 and 2024.

- Phase I: Building A
- Phase II: Buildings B & C
- Phase III: Hamilton demolition and open space restoration.

Phase II Scope

Complete the design and construct two residential facilities: building B, 700-beds, building C, 400-beds. Facilities will include Academic Residential Communities and associated learning spaces, a Faculty in Residence Apartment.

Project Status

Phase II is currently at 50% Construction Document design.

PROJECT STATS



Project Type: Building(s) Replacement

Space Type: Housing, Dining, Academic Residential Community Space, Prospective Student Recruitment and Visitors Center.

Square Footage: Phase II 305,000 GSF.

Anticipated Total Ph2 Budget: 121.3M

Funding Source(s): Revenue Bonds/Internal Bank; University Housing Carry Forward

Target Completion Date: Phase II: Summer 2023



Hamilton and Walton Residence Halls Transformation Project Ph3

PROJECT DESCRIPTION

Dynamic and attractive communities are needed now to help drive and support student recruitment and retention in a very competitive environment. Walton Hall and Hamilton Hall are in need of mechanical, electrical, plumbing, roofing, and other major systems replacement, as well as significant contemporary improvements.

Objectives

- Drive and support enrollment growth.
- Grow from 1,400 to 1,800 beds, including 400 upper-division student focused beds.
- Enhance Academic Residential Community offerings.
- Provide a variety of room types.
- Explore adding retail space to the ground floor.
- Add Prospective Student Recruitment and Visitors Center.
- New and enhanced dining options.

PLANNED PROJECT

Design and Construction Scope

Design and construct new facilities in three phases between 2019 and 2024.

- Phase I: Building A
- Phase II: Buildings B & C
- Phase III: Hamilton demolition and open space restoration.

Phase III Construction Scope

Complete the design and construct an open space replacement for the displaced Humpy Lumpy open space. Demolition of the existing Hamilton Hall will begin in the summer of 2023, with site restoration and buildout of the new open space to follow.

Project Status

Phase III is currently at the end of Schematic Design, and the design will be taken through Construction Documents beginning in March of 2020. Phase III will begin in the summer of 2023 with the demolition of Hamilton Hall, and will finish in the fall of 2024.

PROJECT STATS



Project Type: Building(s) Replacement

Space Type: Housing, Dining, Academic Residential Community Space, Prospective Student Recruitment and Visitors Center.

Square Footage: Phase III 154,595 GSF

Anticipated Total Ph3 Budget: \$9.9M

Funding Source(s): Revenue Bonds/Internal Bank; University Housing Carry Forward; Funding Raising/Sponsorships

Target Completion Date: Phase III: Fall 2024



East Campus Apartments New Buildings

PROJECT DESCRIPTION

The University of Oregon's on-campus housing space options are limited to traditional residence halls, graduate student apartments and primarily family apartments and houses. Dynamic and attractive housing facilities and communities for upper-division students are needed to help drive retention.

Objectives

- Explore the development of apartments and townhouses of a 500-bed capacity in this area for graduate students.

POTENTIAL PROJECT

Design and Construction Scope

Design and construct up to a 500-bed residential complex.

Project Status

Pre-planning

PROJECT STATS

Project Type: New Building; P3 delivery

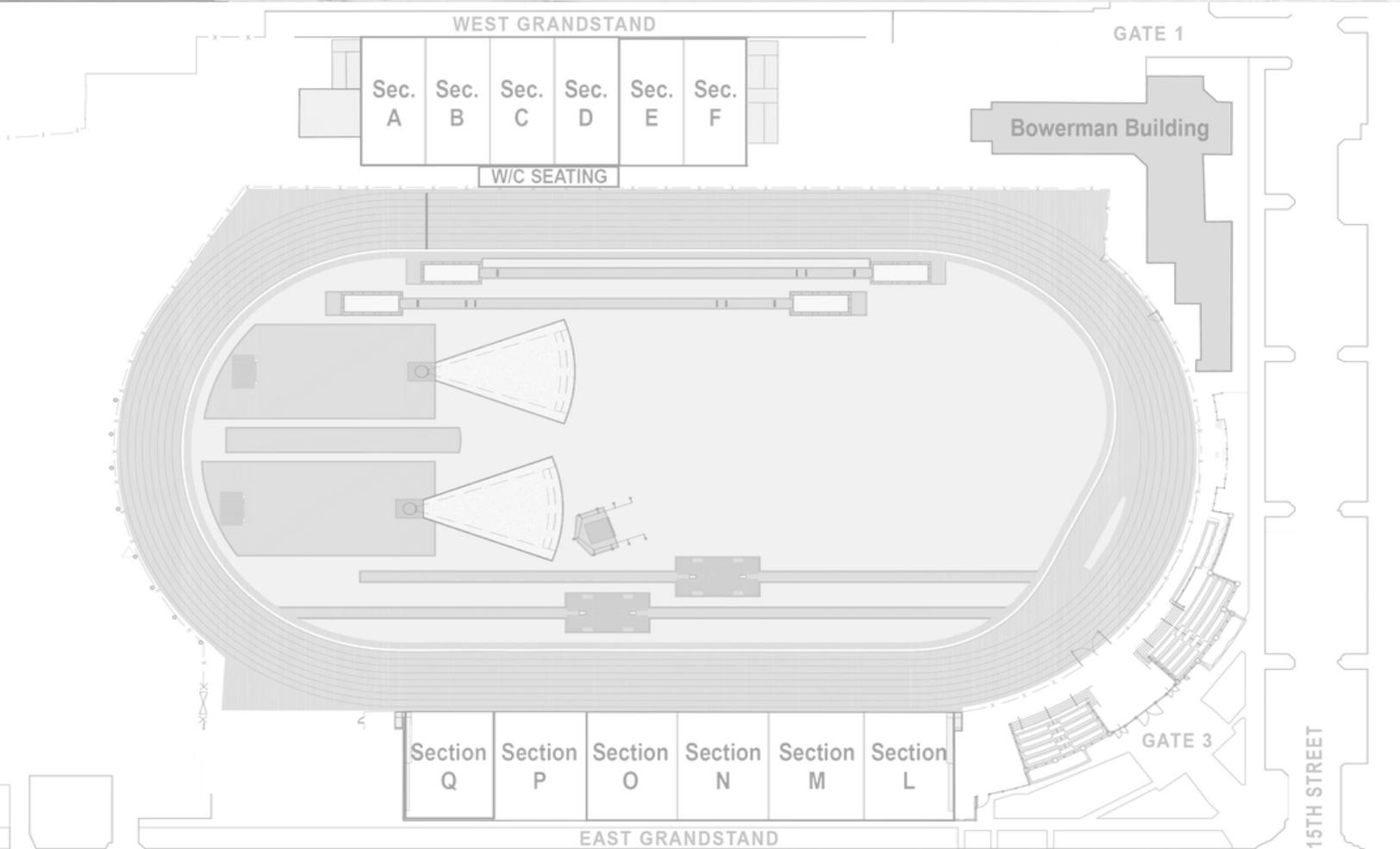
Space Type: Housing

Square Footage: TBD

Anticipated Budget: TBD

Funding Source(s): TBD

Expected Project Duration: 3-4 Years



Other Projects



Romania Site Development

PROJECT DESCRIPTION

The Romania site is located on the eastern edge of the university campus on the south side of Oregon Highway 126/Franklin Boulevard. The tract is approximately 4 acres which includes a 46,000 SF building. The use prior to university acquisition was as a car dealership and warehouse. The 1960 showroom, with its unique and concave roofline, is listed in the National Register of Historic Places.

Objectives

- Enter into a public-private partnership with a developer to design, finance, build, and operate a modern, university-centric entity/facility.
- Upgrade the use of the real estate to provide revenue to the University from a long-term ground lease.

PLANNED PROJECT

Design and Construction Scope

A University-selected developer will design, finance, build, and operate a modern, revenue-producing enterprise on the site. The University will retain an appropriate level of control of each phase to protect and preserve campus culture and university needs. The university will also retain long-term ownership rights to the property.

Project Status

The Request for Qualifications (RFQ) process to select the developer were completed in November 2018. Project^ was the selected developer. Negotiations of the terms of the public-private partnership have been concluded A Nonbinding Ground Lease Term Sheet was executed in June 2020.

PROJECT STATS



Project Type: Public-Private Partnership

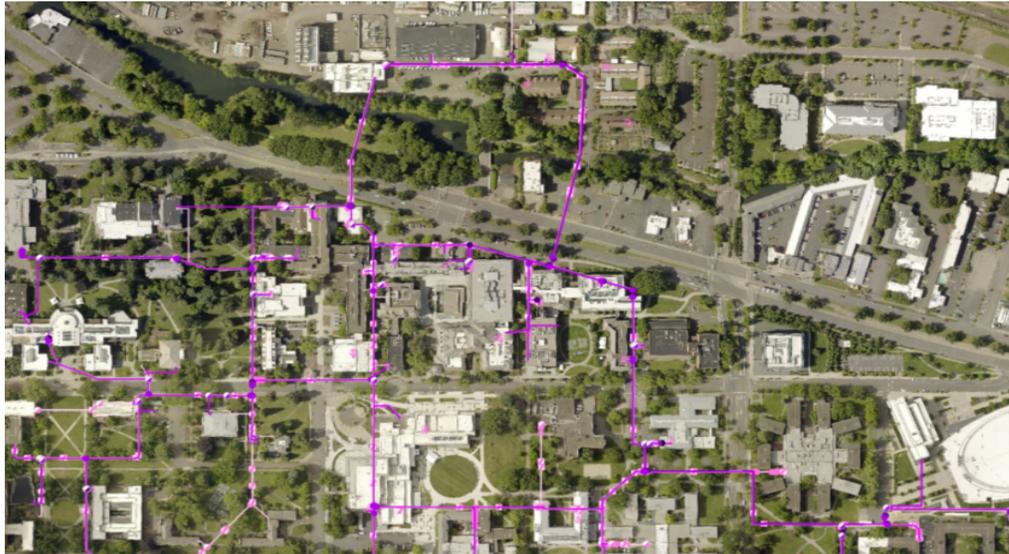
Space Type: Mixed-use development with office, retail, hotel and residential uses. Adequate parking to support all uses is included.

Square Footage: 180,338 (4.14 acre)

Anticipated Budget: TBD

Funding Source(s): TBD

Expected Project Duration: 3+/- Years



Utility Infrastructure Upgrades Phase 1

PROJECT DESCRIPTION

The University utility system includes an electrical distribution system comprised of 16 miles of high voltage electrical cables, switches, and other equipment that deliver electrical power to campus buildings through a series of underground vaults and 4.5 miles of tunnels. Significant upgrades are required to improve safety, increase reliability of electrical power to campus, reduce disruptions during maintenance and testing, and continue meeting the 24/7 requirements of the institution's critical science and research efforts.

The University utility system also includes a campus chilled water plant and 12 miles of chilled water supply and return piping. System cooling capacity must be increased to meet demand generated from campus growth and to maintain existing resiliency. The chilled water production and distribution systems must be upgraded in order to maintain continuity of campus business operations requiring campus chilled water.

Objectives

- Increase chilled water production capacity by installing a 3 to 4M gallon thermal energy storage system (TES) including tank and associated piping.
- Update the Chilled Water Plant controls to incorporate the TES, improve system efficiency and reduce operational costs.
- Install additional cooling towers and increase low load (free cooling) heat exchanger capacity.

PLANNED PROJECT

- Upgrade the electrical distribution system to provide redundancy to critical research buildings and improve safety.
- Increase the capacity and efficiency of the campus chilled water distribution system to support increased cooling demand and campus growth.
- Upgrade building control systems, improve heating and cooling performance and decrease building energy consumption, thereby reducing future costly utility system expansion.

Design and Construction Scope

Phase 1A

- Design and construct a thermal energy storage system (TES)
- Update Chilled Water Plant controls and production efficiency
- Install additional cooling towers and heat exchanger capacity

Phase 1B

- Upgrades to electrical distribution system

Phase 1C

- Increase chilled water distribution system capacity

Phase 1D

- Upgrade building control and energy performance

Project Status:

Phase 1A: Starting schematic design
 Phase 1B: Assessing scope and budget
 Phase 1C/D: TBD

PROJECT STATS



Project Type: Utility Infrastructure

Space Type: N/A

Square Footage: N/A

Anticipated Budget:

Phase 1A: \$7.5M - \$8.5M
 Phase 1B/C/D: TBD

Funding Source(s):

Phase 1A: \$6M Utility Service Center Infrastructure Renewal Reserves

\$2.5M System Development Funds

Phase 1B/C/D: Up to \$12M Revenue Bonds

Project Duration:

Phase 1A: 18 months

Phase 1B-1D: 2-5 years

