

CAL POLY KENNEDY LIBRARY TRANSFORMATION

Retired Faculty and Staff Association

September 20, 2022



CAL POLY



HENSEL PHELPS
Plan. Build. Manage.



AGENDA

1. Project Status
 - Schedule
 - Budget
2. Project Scope
 - Value Add Opportunities
3. Updates from Vice President Zachary Smith
4. Library services during the renovation



CAL POLY



HENSEL PHELPS
Civil • Build • Manage

MILLER HULL

Kennedy Library Renovation



Project status updates

<https://afd.calpoly.edu/facilities/planning-capital-projects/project-news/kennedy-library/>

9/21/22

Project Summary:

This much anticipated renovation to the Robert E. Kennedy Library features an energy efficient and sustainable design and accommodates programmatic needs. The upgrade and expansion will provide new improved student study spaces and more.

Stage of Development:

Design

Project Budget:

\$73 million

Location:

Building 35

Timeline:

Planning: Work Complete

Request For Proposal/Request For Application: July - December 2021

Design: February 2022 - June 2023

Guaranteed Maximum Price: December 2022 - April 2023

Construction: July 2023 - September 2025

Move-In: 2026

Delivery Method:

Collaborative-Design-Build

FPCP Project Manager:

Carla Brown

Penny Sandman

Client:

Library Services

Academic Programs and Planning

Architect:

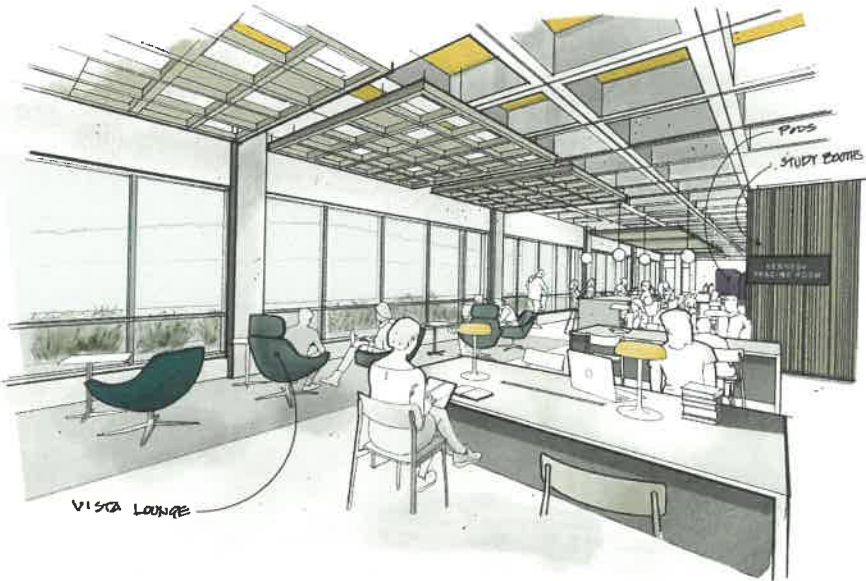
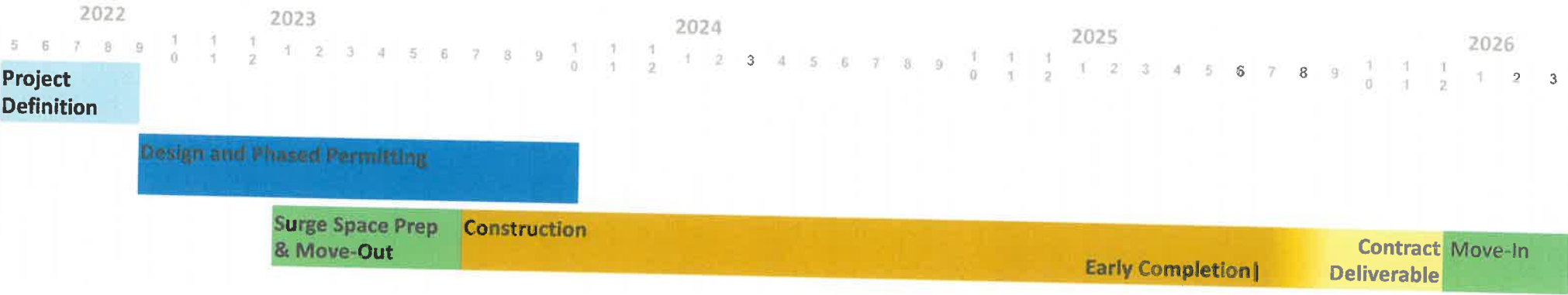
Miller Hull Partnership

Contractor:

Hensel Phelps

Leadership in Energy and Environment Design or (LEED): Targeting LEED Gold Certification

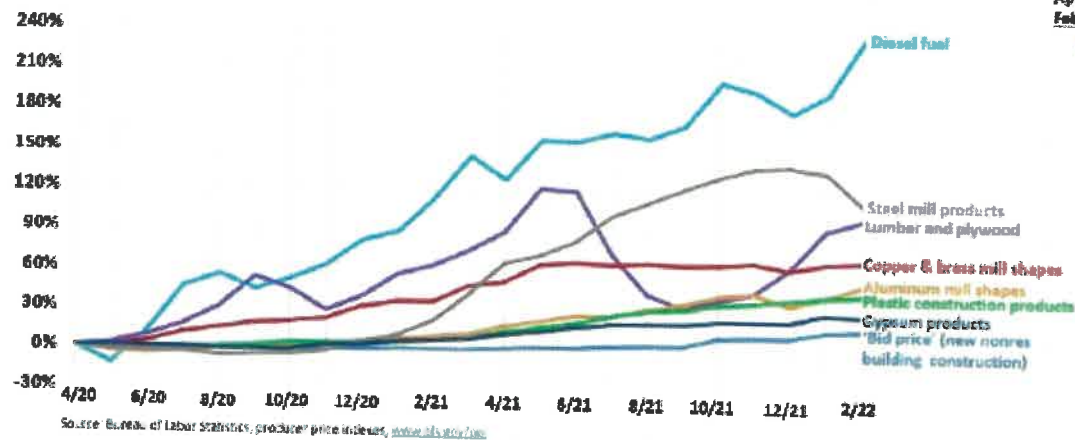
2.0 STATUS UPDATE: SCHEDULE



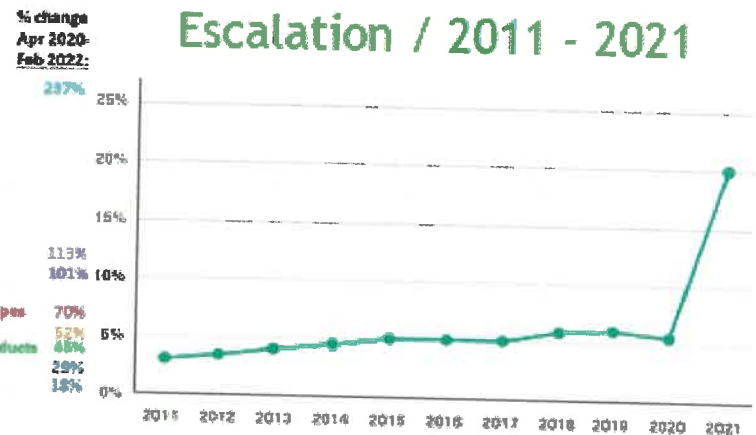
Budget - \$73M

Escalation / Current Market Conditions

PPIs for construction bid prices and selected inputs
cumulative change in PPIs, April 2020-February 2022, not seasonally adjusted

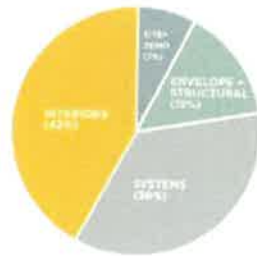


Escalation / 2011 - 2021



2022 CONSTRUCTION INFLATION ALERT

2.2 BENCHMARKING - RENOVATION EXAMPLES



UNIVERSITY OF WASHINGTON
ODEGAARD LIBRARY

Renovation Area: **55,000sf** / 135,000sf
Original Construction Date: 1972
Renovation Completion Date: 2014
Location: Seattle, WA

Scope: **Partial** interior renovation of brutalist concrete library

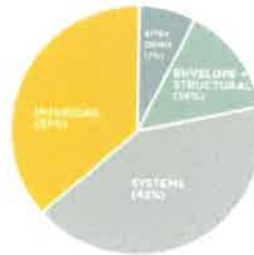
Program: Classrooms, student study, staff workspace

MEPF: Separate ESCO project upgraded systems outside of project boundary, added fire sprinkler throughout, reconfiguration of ductwork, new lighting, convenience outlets, minimal restroom upgrades

Envelope: Minimal exterior glazing replacement, added skylight

Structural: Minor seismic upgrades, structural work to accommodate new skylight and feature stair

Vertical Circulation: Added feature stair to connect 3 stories. Utilized existing egress stairs and elevators



UNIVERSITY OF ARIZONA
MAIN LIBRARY

Renovation Area: **60,000sf** / 360,000sf
Original Construction Date: 1973
Renovation Completion Date: 2021
Location: Tucson, AZ

Scope: **Partial** interior renovation of brutalist concrete library

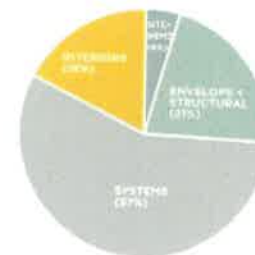
Program: classrooms, student study, and makerspace

MEPF: reuse of existing AHUs, reconfiguration of ductwork, new lighting, convenience outlets, restroom upgrades, AV, fire alarm and sprinkler

Envelope: Selective exterior glazing replacement, new building entries

Structural: Slab cuts and foundations to accommodate new feature stair and building entries

Vertical Circulation: Added feature stair to connect 2 stories. Upgrades to existing feature stair. Added 2-story elevator. Utilized existing egress stairs and main elevators.



CAL POLY SAN LUIS OBISPO
KENNEDY LIBRARY

Renovation Area: **196,000sf** / 196,000sf
Original Construction Date: 1980
Renovation Completion Date: 2025
Location: San Luis Obispo, CA

Scope: **Full** interior renovation of brutalist concrete library

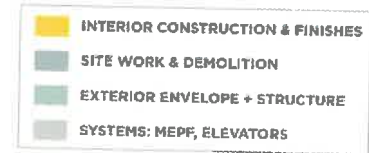
Program: classrooms, student study, faculty spaces/offices

MEPF: new mechanical cooling system and ductwork, addition of automated fire alarm system and full fire sprinkler system, full replacement of electrical and lighting systems

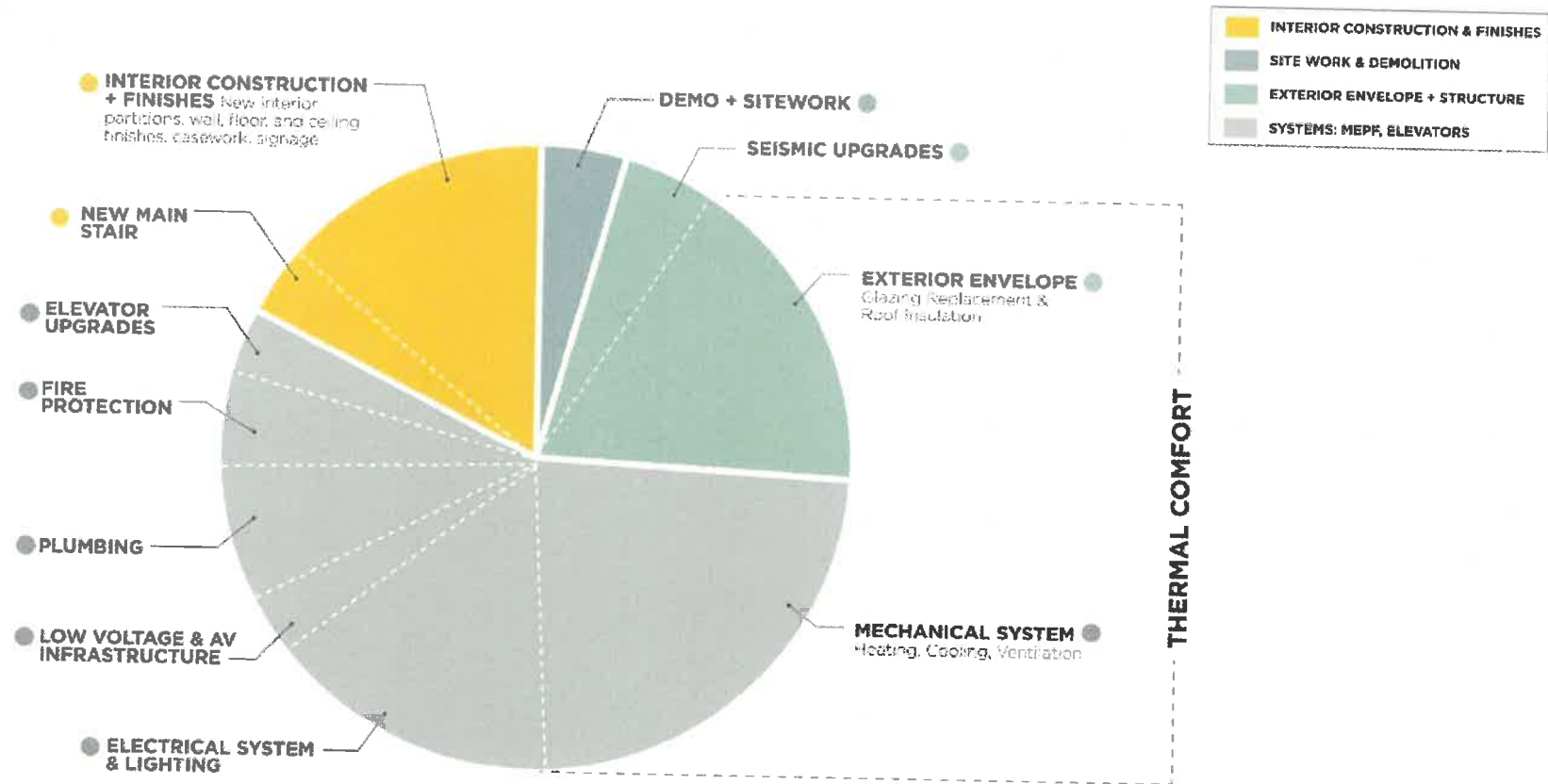
Envelope: Full exterior glazing replacement

Structural: Seismic upgrades, structural work to accommodate new stair

Vertical Circulation: Fully enclosed feature and egress stair to connect 5 stories. Minor upgrades to existing egress stairs. Upgrade to existing service elevator, reuse of existing passenger elevators.



2.3 STATUS UPDATE: BUDGET



PROJECT DEFINITION

VISION STATEMENT

*Kennedy Library embodies Cal Poly's **Learn by Doing** spirit, supporting engaging, practical, and active learning experiences. We do this by providing spaces, services, and technologies that empower our community to work, reflect, connect, and collaborate. In showcasing work from across disciplines we energize the campus and connect individuals to the opportunities that will enrich their research and academic experiences.*

1 Connect + Enrich Strengthen campus community, internally and externally

Support interaction & collaboration, create a strong connection to campus, create north campus anchor/quad; porosity at the ground level; building more welcoming & inviting/home away from home; gathering space; Café to better serve campus and library patrons



- **Welcoming and visible service points** for students and faculty
- **Group study spaces** to foster collaboration and interaction
- **Indoor and outdoor gathering spaces** at main floor and courtyard
- **Porous ground level** between main entry and courtyard, enhancing the building's connection to the courtyard
- **Cafe space** to create a north anchor and draw people to the library

2 Showcase + Celebrate Showcase work that embodies Learn by Doing, the Teacher-Scholar Model, and collections.

Global gallery, exhibition space, event space, special collections



- **Expanded special collections** space moved to front entry to be visible to campus and library patrons, act as a destination
- **Community gallery and exhibition space** integrated throughout first floor and entry to become prominent component of library experience
- **General collections** organized throughout building for easier browsing
- **Multi-purpose event + classroom space** at ground level spills into courtyard to allow for activation of outdoor space

3 Strengthen Learn by Doing Support student, faculty, and staff success

Support engaging, practical, and active learning experiences; create staff home base; add space / maximize space utilization; transparency and connectivity; vertical campus; diversity of study, learning and collaboration options, upgrade technology, improve wayfinding and accessibility, provide minimum 356 classroom seats



- **Clear and visible wayfinding** and circulation throughout building with new main stair, consistent location of program and services on each floor, and east-west spine
- **Diversity of student study spaces** to provide a range of independent and collaborative learning opportunities.
- **New classroom spaces** to provide increase student seat counts
- **Reconfiguration of faculty and staff space** to create a home base and improve service delivery
- **Enhanced visibility and transparency** throughout building

4 Optimize Building Performance Optimize campus asset

Clarify the space of the library building, reduce operating costs while increasing thermal comfort; upgrade building systems, reduce energy use; improved lighting and daylighting; long life, loose fit / support program flexibility over time; more usable space without building an addition



- **Exterior glazing replacement** to meet thermal comfort targets and California Energy Code
- **New mechanical system** to provide cooling and achieve thermal comfort standards, exceed energy code requirements
- **Electrical, lighting, and AV infrastructure replacements** to support reconfiguration of space
- **Upgrade to service elevator** to convert to passenger elevator
- **New restrooms** to improve accessibility
- **Seismic upgrades** to extend life of building

PROJECT DEFINITION

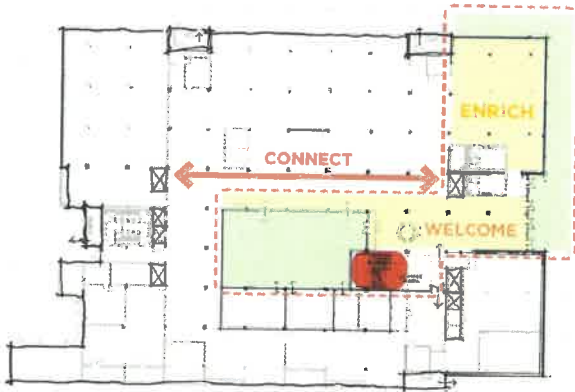
CONNECT + ENRICH

Strengthen campus community, internally and externally.

To establish a north campus anchor, the design aims to create a porous ground level through the connection of outdoor spaces. Locating the cafe in the northeast corner, adjacent to the library entry, the buzzing activity of these spaces draws patrons to the library. When users are within the space, levels of the building are further connected through outdoor gathering spaces in the courtyard and terraces above.

To address concerns of the current library's wayfinding and to better support interaction and collaboration, the conceptual design proposes a clear circulation spine that runs east-west within the building, in the same location on each floor.

To orient users on all levels, this spine is adjacent and visible from the lobby, elevators, and connecting stair. It also includes service points on all floors—both staffed and self-service. These simple, clear wayfinding elements allow for all users to orient themselves and navigate the building confidently.



PROJECT DEFINITION

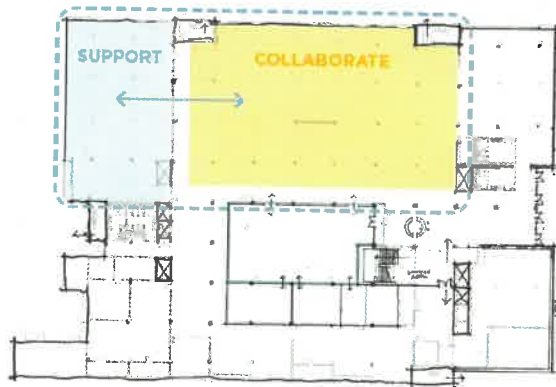
STRENGTHEN LEARN BY DOING

Support student, faculty, and staff success

The library serves as the academic center of gravity for students on campus. Thousands come to the library each day to study, collaborate, focus and produce. As each student will be seeking a different environment for the desired activity, variety and diversity of environments is key! The student space recommended in the program includes solitary workspace, collaborative team areas, quiet and dynamic zones. Furniture will be selected to both foster and intuitively suggest these environments.

Faculty and Staff are essential to academic pursuits of all kinds. In order to provide this mentoring and support, they need both front-facing and internally-facing workspace. Areas for collaborate work, consultation, private conversations, focused work, and administrative functions are all accommodated for the various service groups.

By having these two programs adjacent on every level, it fosters the connection between staff and students to support mentorship and success.



PROJECT DEFINITION

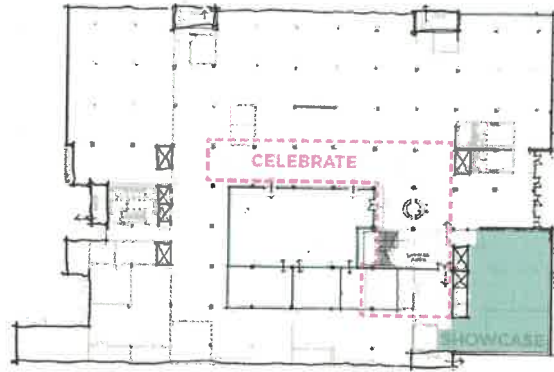
SHOWCASE + CELEBRATE

Showcase work that embodies Learn by Doing, the Teacher-Scholar Model, and collections.

To showcase and celebrate the diverse works of Cal Poly's talented student community, exhibit/gallery space as well as Special collections is prominently located immediately upon entering the library and adjacent to the connecting stair.

The role of the special collections space is to preserve and protect valuable artifacts for use by future generations. This area includes high density shelving for the collection, gallery display and a convenient relationship to the exterior courtyard and classroom meeting spaces.

This location also provides the ability to establish separate hours of operation and/or security. By locating this function in a prominent location within the library, Special collections is able to establish its own identity as a destination with prominence.



PROJECT DEFINITION

	CONCENTRATE	STUDENT STUDY QUIET CRAM	
APP / LEADERSHIP / LIBRARY ADMIN	CONCENTRATE	STUDENT STUDY QUIET CRAM	
ACAD SERV. / CTLT CREATIVE WKS	COLLABORATE	STUDENT STUDY COLLABORATIVE / CLASSROOMS	
OWLI / HONORS	COMPREHEND	STUDENT STUDY / OWLI / GIS / RHD / CLASSROOMS	SPECIAL COLLECTIONS
CSAS / ITS / ILL	CONNECT	STUDENT STUDY 24 HOUR / GALLERY / COFFEE / CLASSROOMS	SPECIAL COLLECTIONS

3.1 EXCLUSIONS FROM BASE SCOPE

- Atrium
- Operable Windows
- Some Campus Standards
- New FF&E (Furniture/Equipment) Through-Out Library

Excluded and on Value Add list:

- New Fishbowls
- Interior Glazing at Offices and Conference Rooms
- Conference Room A/V Infrastructure
- Landscape

Excluded, more investigation ongoing

- Generator & Fire Pump
- Pre-Action/Dry-Type Fire Protection at IDF Rooms and Special Collections
- Specialized Humidity Control at Special Collections
- Electrical Substation to be Deferred Maintenance
- Complete Replacement of Underground Sewer & Storm Piping
- New Roof with Insulation and Fall Protection



3.2 VALUE ADD OPPORTUNITIES

Deferred Maintenance

- Roof Replacement – Need to be funded during the project

Donor Opportunity

- Reading Room (Need direction in Project Definition)
- Enhanced Courtyard
- Fishbowls & Zoom Rooms
- Gallery Enhancements (Accent Lighting & Glazing)

Contingency Release

- Enhanced A/V Fit-Out at Classrooms and Conference Rooms
- Acoustical Treatment at Conference Rooms & Student Spaces
- Interior Glazing at Offices & Conference rooms
- Enhanced Main Stair
- Environmental Graphics
- Paint Exposed Conduit & Duct at Open Ceilings
- Added New Furniture





Fundraising – Reading Room in the Sky

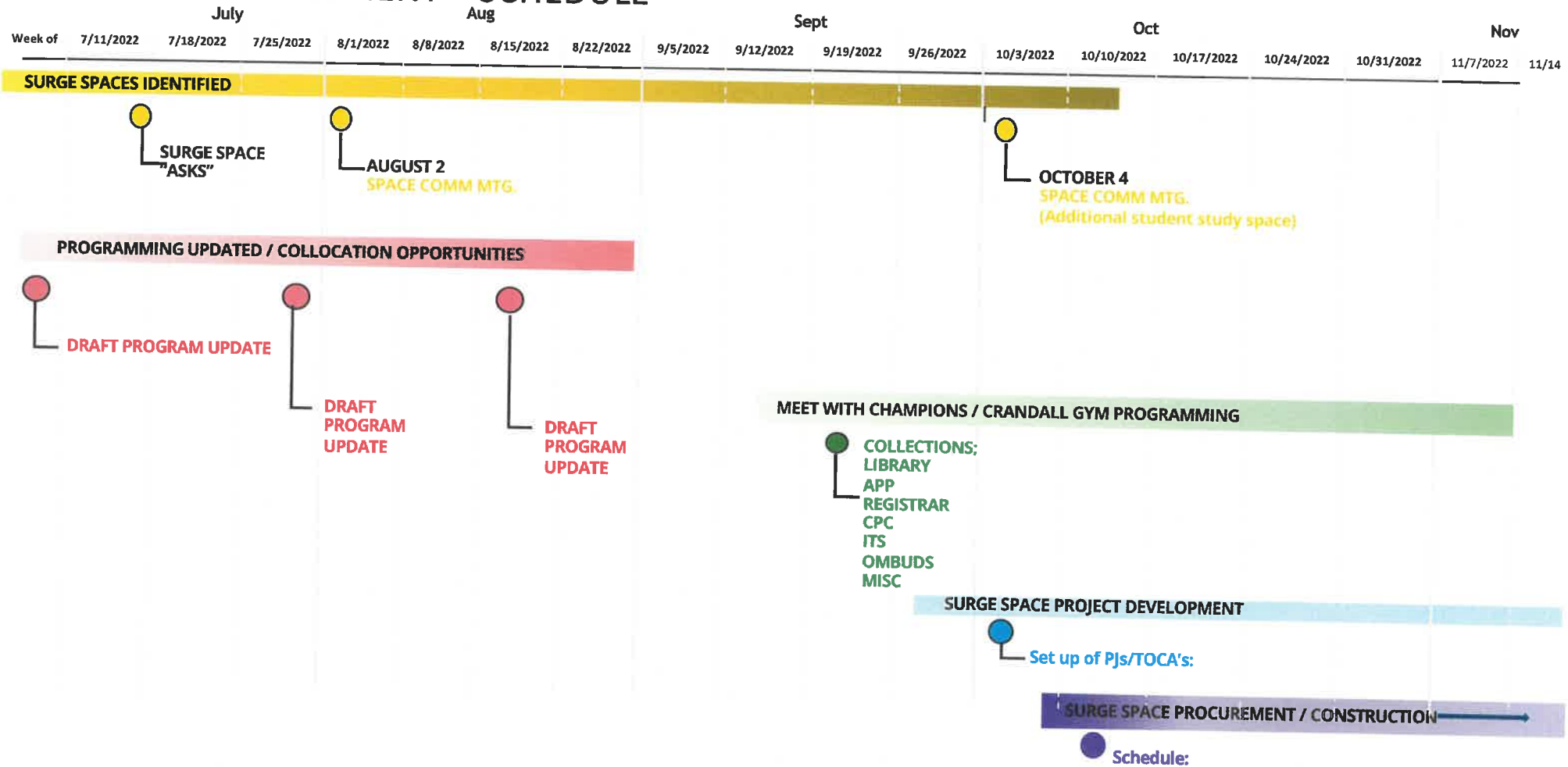
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Commitment needed by
end of September 2022



9/21/22

4.0 MOVE MANAGEMENT – SCHEDULE



A photograph of a university campus. On the left, a large, leafy green tree stands in the foreground. To the right is a modern, multi-story building with a concrete facade and large windows. A paved road or walkway leads from the foreground into the distance, flanked by trees and buildings. The sky is clear and blue.

QUESTIONS, COMMENTS,
WISDOM SHARING

Contact Adriana Popescu, Dean of Library Services
popescu@calpoly.edu