

UC SAN DIEGO
PROJECT SUMMARIES
2017-18 and 2018-19 Campus

Athena Circle Miramar Street Connection

- Provides an internal campus connection between Mesa Housing and the rest of East Campus by creating a connection between Athena Circle and Miramar Street including associated road improvements.

Campuswide Fire Loop Upgrades

- Provides increased water main service to under-pressurized fire hydrants as well as creates loop feeds to areas currently protected by radial feeds.

Design & Innovation Building (formerly called Structural and Materials Engineering 2 or SME2)

- Provides approximately 57,200 ASF / 88,000 GSF of new space for hands-on learning, to promote project-based, peer-based, and service-based learning.
- Project provides design, craft, and maker spaces; collaboration and presentation space; and office and support space.

East Campus Domestic Water & Gas Line Replacement (Voigt)

- Replaces approximately 4,300 linear feet of existing domestic water main in Voigt Drive with 16" PVC water main.
- Replaces mainline valves and connections to existing main.
- This project would replace the main gas line under Voigt drive. The existing gas line is beyond its service life and should be replaced. Coordination of the project and the Voigt roadway project is critical.

Engineering Interdisciplinary Facility

- Provides approximately 124,000 ASF of new space that would include 11 research collaboration laboratories; faculty offices; hotel offices; student workstations; education space, including a 275-seat lecture hall and executive education facilities; and meeting space.
- Serves as a living laboratory for advanced research in critical areas related to the digital future and would be designed to foster interactions among and across the research teams, co-laboratories and strategic industry partners. In addition, it would provide space needed for faculty growth in the Jacobs School of Engineering and improve the faculty-student ratio in all departments.

Fire Station and Torrey Pines Center South (TPCS)

- Fire Station provides approximately 10,500 GSF
- Due to continued development on campus, a fire station is required.
- The campus has proactively coordinated with the City of San Diego (City) and identified a suitable campus site.
- UC San Diego would dedicate the land and design and build the fire station. The City would staff and operate the Fire station.
- The City is preparing a Real Estate Agreement that will detail responsibilities of each party.
- In exchange for the campus' provision of land and funding for the fire station, the City has agreed to provide the campus with an option to purchase the property known as Torrey Pines Center South (TPCS).

Hillcrest Parking Structure(s)

- The new structure (or structures) would provide approximately 2,400 parking spaces.
- The structure (or structures) would replace the existing Arbor and Bachman Parking Structures. The Arbor and Bachman structures would be removed due to age and to accommodate the future replacement of the Hillcrest Hospital, and associated outpatient and research facilities that would be rebuilt as the entire Hillcrest Campus is redeveloped over the next several years. (Also refer to upcoming Hillcrest LRDP Update)

I-5 Electrical Switch Station

- The proposed project would construct a new medium voltage (12KV), electrical switch station located near Interstate 5, within the vicinity of the existing utilities tunnel and East and West Vault.
- This project is needed to mitigate the excessive heating in the tunnel and in I-5 East and West Vaults. This would also redirect the power flow from cogeneration system directly to the North Campus Switch Station, eliminating the bidirectional flow in the I-5 Vaults and tunnels and thus reducing their internal temperature and improving the current-carrying capability of the conductors.

Land Acquisition 1

- Acquisition of property to deliver a new primary and urgent care facility, through a public-private partnership, to serve the rapidly growing communities in San Diego as part of the UC San Diego Health Value-based Care strategy.
- Generates new ground lease revenue for the campus.

Land Acquisition 2

- Acquisition of property to deliver a new primary and urgent care facility, through a public-private partnership, to serve the rapidly growing communities in San Diego as part of the UC San Diego Health Value-based Care strategy.
- Generates new ground lease revenue for the campus.

Land Acquisition 3

- Pursuing the acquisition of several smaller parcels adjacent to the Hillcrest medical center campus in order to provide sufficient land for the construction of a new replacement hospital, outpatient facility, and research building.
- The parcels total less than three acres in size.

Medical Center Drive South Pedestrian and Bicycle Improvements

- Project corrects bike and pedestrian path of travel deficiencies along Medical Center Drive South, including signalized intersections and ADA upgrades.

Mesa Housing Pedestrian and Bike Bridge

- Provides pedestrian and bicycle connection for residents living at Mesa Housing to the new I5/Gilman Bridge and the West Campus (reduces demand on campus shuttles, city streets, neighboring communities).

Mesa Housing Power Conversion

- Project installs conduit manholes and electrical gear required to expand campus micro grid to mesa housing. Project also provides for replacement of SDG&E gear with campus micro grid gear at Nuevo West.

Muir Biology Building 1st and 2nd Floor Renovation

- Renovates approximately 14,000 ASF on the first and second floor of the Muir Biology Building. The proposed space consists of various mechanical, electrical, and plumbing system upgrades to the research facilities.
- Space improvements and modifications would be comprised of research lab spaces, procedure rooms, microscopy rooms, constant temperature rooms, private and shared offices, break rooms, a conference room, meeting rooms and restroom accessibility upgrades.
- Improvements address deficiencies with respect to infrastructure and life-safety requirements, requiring overhaul or replacement of building systems.
- Upgrades building in terms of fire-life safety requirements, provide significant infrastructure improvements, and renovate research laboratories, including installation of fire sprinklers.

North Campus Childcare Facility

- Provides approximately 20,000 GSF
- The facility accommodates approximately 125 children based on available square footage per Title 22 regulations.
- In support of faculty recruitment and retention and the growing waitlist demand for young infant care, the program would serve children aged between two months and five years.
- Over the next 10-20 years, the campus expects to see a significant increase in undergraduate and graduate enrollment. The campus expects to see the need for childcare increase as faculty and staff populations increase to serve these students.

- The proposed site would provide access to child care on West campus and is relatively easy to access for the faculty and staff situated at the expanding medical facilities on East campus. The site would provide a level of security as it is situated away from congested areas, is relatively quiet and has the ability to accommodate parent parking for peak drop-off and pick-up periods (Parents must physically sign-in and out due to Title 22 regulations).

North Torrey Pines Living and Learning Neighborhood

- Provides approximately 644,000 ASF/ 915,500 GSF
- The proposed project locates student housing together with academic space to simultaneously address the high demand for additional housing, classroom, and academic space, and provide needed parking.
- Provide 2,000 new undergraduate beds in a mix of residence halls and apartments; residential support space for undergraduate students; dining, market, and retail space; new lecture halls and classrooms; residential life and administrative space for students and staff in Sixth College; and approximately 1,250 below-grade parking spaces (278 net new).
- The project is located on an eight-and-a-half-acre parcel that is currently home to two surface parking lots (972 parking spaces) and a temporary research facility.

Nuevo East Student Housing

- Provides approximately 490,000 ASF/710,000 GSF
- Approximately 1,380 beds for single graduate/professional students and upper-division single undergraduate students.
- Community center called “The Exchange” to centralize residential support services for the North Mesa (including students living at One Miramar, Nuevo West, Mesa Nueva, and Nuevo East).
- Provides new apartments, student support space, and a small amount of surface parking for short-term residential business services and accessibility.

One Miramar Street Apartments Exterior Refresh (Single Graduate Housing)

- Facilities are 12 years old and require maintenance including repairs to walls, stairwells, wood trim components, roofs, paint, etc.

Parcel Restoration & Surface Parking Lot, South of VA

- Project corrects storm water erosion impacts to utilities, infills erosion channels, paves a surface lot for up to 450 cars and create storm water mitigation measures to prevent future runoff issues.

Park & Market Tenant Improvements

- Upon completion of construction and delivery of the 66,750 GSF four-story building in a warm shell condition in mid-2020, the campus proposes to construct tenant improvements for the building’s future programs.
- The improvements would also include an allowance for a future 4,000 rentable square foot restaurant on a portion of the ground floor.

Public City Sewer Improvements (formerly Campus Wide Sewer Upgrades - Phase 2)

- Project constructs approximately 3,000 linear feet of sewer main parallel to existing city sewer main. New line would be turned over to the City at completion of the project.

RIMAC Enhancements

- RIMAC is the premier sports complex at UC San Diego, and is an important center for life on campus supporting NCAA Division 1 intercollegiate sports, as well as recreation activities and large-scale events. To allow for RIMAC Arena to continue serving UC San Diego well into the future, a series of building improvements have been identified and proposed.
- Project includes a new scoreboard, retractable bowl configuration seating, and replacement of 800 linear feet of concourse railing with glass railing. The scoreboard would be a 15’ by 50’ side-mounted video board, providing optimal scoreboard configurations for games and concert type events.
- The RIMAC arena’s existing retractable seating is near the end of its lifespan. The new 4,500 seat retractable system would improve operation and flexibility of the arena, creating higher efficiency for changeover times between configurations of the arena.

Research and Clinical Facility (includes Vision Research Institute)

- Provides approximately 350,000 GSF of new research and clinical space, office, operating rooms, and shell space for future tenant improvements to be shared by the rapidly expanding Shiley Eye Center, UC San Diego Health specialty clinics, and affiliated third party research entities.
- Provides approximately 1,400 below grade parking stalls.
- Proposed delivery through a public-private partnership that would likely be developed in 2 phases over several years.
- Generate new ground lease revenues for the campus.
- The campus is evaluating whether the vision clinical space would be part of this project or included as part of a renovation to the existing Shiley Eye Center. The campus is currently preparing cost analyses to determine the best approach for providing these services.

Ridge Walk Academic Complex at NTPLLN

- Provides approximately 128,000 ASF/195,000 GSF for departments and programs within the Divisions of Social Sciences and Arts and Humanities, as well as new active learning classrooms to accommodate enrollment growth.
- The proposed space would include research, academic and administrative offices, scholarly activity, seminar spaces, graduate student offices, as well as conference and collaborative spaces.

Ridge Walk Improvements

- Improvements to existing Ridge Walk at the north and south limits of the NTPLLN project scope and to provide pedestrian and bicycle connectivity through Rupertus Grove.

Rupertus Way Pedestrian Bridge

- Provides a direct connection between the Pepper Canyon LRT stop and the center of campus.
- The project would include landscape enhancements from the western edge of the bridge to Russel Lane, between Visual Arts and Pepper Canyon Hall. The project scope would likely include earth fill and a retaining wall on the western edge of the canyon, which would require deck relocation at Outback Adventures.

SIO Biological Collections Building

- Provides approximately 9,000 ASF/ 10,000 GSF
- SIO is renowned for the world's premier collections of marine organisms from the Pacific Ocean, including Marine Vertebrates (fish), Pelagic Invertebrates, and Benthic Invertebrates. These collections are used like major libraries where scientists come to study them and request loans of specimens. They are also continuing to expand the depth of the collections as new expeditions return with more specimens from different areas of the Pacific and the world. The fact that these collections contain specimens from many different decades makes them invaluable for studying global change and other phenomena.
- Space for these collections was included in Vaughan Hall, but each of the above collections have outgrown the amount of space allocated to them, and have only 2 or 3 more years capacity before they would no longer be able to accept additional specimens.
- Facility would have temperature control, compact shelving, a small laboratory, and proper fire control measures to be able to provide needed storage capacity for the next 30 years.

SIO Parking Structure & Entry Improvements

- Provides a recognizable campus entry for the public and other visitors to Scripps Institution of Oceanography (SIO). Presently, the south entry area is confusing and unattractive, there is no public parking during the week, way-finding is difficult, and there are no visitor facilities, such as public restrooms.
- SIO proposes to remove the surface parking from the southern entry and replace it with a partially underground 3-level parking structure with a green roof in order to provide for staff and visitor parking on the site of existing parking lot 003. Associated with this facility would be a small visitor orientation pavilion and public restrooms. To the west, on existing parking lot 002, a vehicle turn-around would be created with an adjacent landscaped entry plaza that would include some public seating.

Spanos Facility Expansion

- Provides approximately 20,000 ASF
- Due to the campus expansion of students and student athletes, the Spanos Facility serves as a home for athletic performance for all competitive teams on campus.
- The renovation of the existing building includes strengthening the identity of the building as an Athletic Performance Center and creating a focal point at the north end of Ridge Walk.
- Significant infrastructure improvements are required to bring the locker rooms and circulation spaces to current building codes.

Torrey Pines Center South 3rd Floor Renovation (TPCS)

- Renovation of the entire third floor of Torrey Pines Center South, an administrative office building located north of the campus. Scope would include reconfiguration of offices and support space to accommodate a greater number of staff working in the building, new flooring, furniture, fixtures, paint, and lighting. Also would include accessibility upgrades in the restrooms to meet ADA.
- Connects neighboring spaces where appropriate to improve efficiency between related departments.
- Offices would be relocated to interior to maximize natural light and scope would include creation of hoteling spaces and telephone booths.
- Renovation provides workspace that supports flexible schedules, telecommute options, and use of technology.

Triton Pavilion for Student Services & Community Engagement (formerly Student Resources and Alumni Services Building)

- Provides approximately 280,000 GSF of new space for programs such as Extension, Alumni & Community Relations, International Center, Student Health & Well-being, and Campus Support that are located in temporary and deteriorating facilities and/or are dispersed among several facilities that do not meet the programmatic needs.
- The World War II-era buildings in the University Center are low-density, inefficient and deteriorating, and do not provide appropriate space to support the academic and administrative programs that currently are housed in them.
- Alumni operations are housed in multiple locations that do not provide the opportunity to nurture relationships, showcase, and celebrate the history of the campus, strengthen the community or celebrate alumni achievements.
- Extension is currently located in “temporary” modular buildings that were placed on campus nearly 40 years ago. These facilities are outdated and located on a future building site for undergraduate housing in the Marshall College neighborhood.
- New facilities are needed to provide replacement and expansion space for these programs, providing an opportunity for the campus to remove inferior space from the campus inventory and maintenance responsibility.
- Project would also include a small amount of retail space.

University Center Multi-Modal Connections

- The San Diego Association of Governments and CalTrans are currently working on a host of regional transportation projects including a new Gilman Bridge over Interstate 5 and the extension of Light Rail Transit (LRT) service to the Campus.
- Over the next five years, UC San Diego will undergo a transformation to meet the growing needs of the campus. With the arrival of Light Rail Transit in 2021 to the campus, continued student growth and update of UC San Diego’s Long Range Development Plan, the campus is adding more housing, classrooms, research facilities, and more to enhance the student experience and create a vibrant, better connected campus that continues to foster innovation.
- The existing Gilman Transit (bus) Center is highly trafficked – there are many pedestrians and bicycles crossing through this area of campus each day and the exterior circulation roads and pathways have not been updated to the extent required to provide a safe and efficient way for everyone to get around.
- This project would provide pedestrian and circulation improvements needed at the center of campus that would enhance the urban core as described in the Physical Design Framework. These guidelines envision a mixed-use urban downtown at the center of campus that is pedestrian oriented.

Voigt Parking Structure

- Project replaces an existing surface parking lot to provide approximately 800 parking spaces in a multi-story configuration.
- The top deck of the parking structure would be flush with the existing elevation at the western terminus of Warren Mall and would improve pedestrian and bicycle circulation.

Warren Apartment Building Renovations and Fire Life Safety Improvements - Phases 1-4

- Renovates 20+ year-old apartments to address life-safety and accessibility needs, along with overall facilities modernization.
- Project elements include installation of fire sprinklers, modernization of baths, infrastructure improvements (as needed), accessibility compliance improvements, and other improvements necessary to extend useful life of facilities.
- Phased to be completed over multiple years whereby all Housing Dining Hospitality facilities would be brought up to code and fully sprinkled as agreed to by UCSD Fire Marshall.
- Project implementation has also been phased over summers to minimize impact on housing availability.