

UNIVERSITY OF HOUSTON SYSTEM



CONSTRUCTION PROJECTS

2009-2016

A MESSAGE FROM THE EXECUTIVE DIRECTOR

Contained within these pages you'll find notable project details for the nearly \$1 billion in capital project expenditures completed and in progress over the last five years. The projects featured in this brochure encompass approximately 4 million square feet of new and/or renovated space, about 2 million square feet and 5,800 spaces of new parking garages, over 4,300 new student resident beds, \$28 million in deferred maintenance and life safety upgrades, and the UH System's first LEED Silver building, Cougar Woods Dining Hall.

I hope you enjoy reading about these projects at the UH System component universities and touring the campus as much as our team and the many who contributed did realizing them. Thank you and Go Coogs!

Jonathan Thurston

Executive Director, Facilities Planning & Construction

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IN DESIGN

MULTIDISCIPLINARY RESEARCH AND ENGINEERING BUILDING - OPENING SPRING 2016

The new Multidisciplinary Research and Engineering Building will serve many key functions for both the Division of Research and the Cullen College of Engineering. The new facility will provide state-of-the-art infrastructure to support the educational experience of undergraduate and graduate students by enhancing their hands-on experience in a research laboratory setting. The new building will foster collaboration across the campus by minimizing investments in multiple and redundant instrumentation facilities by housing these core functions in a neutral location while sustaining and enhancing research growth. The new facility will include a research core that houses major core facilities that serve the critical needs of the university's research foci, both in energy and health. Other programmatic activities can be designed to accommodate ancillary spaces in support of the research core functions.

Project Budget- \$51,000,000

Total Project GSF - 120,000

CURRENT CONSTRUCTION

FOOTBALL STADIUM - OPENING SUMMER 2014



On December 3, 2012, the demolition of Robertson Stadium marked the beginning of construction on the new University of Houston football stadium. The new stadium will be oriented to align with the adjacent buildings and the surrounding campus circulation. The playing surface will be a state-of-the-art synthetic turf designed to host a multitude of events such as high school football games, band practice, and intramural events. With over 40,000 seats, the stadium will feature approximately 5,000 premium seats including 766 armchair style padded club seats, 2,778 armchair seats and 1,201 benches with backs. The stadium will have 210,000 square feet of air-conditioned space that will include club facilities, 26 suites, press box facilities, locker rooms, meeting rooms, concessions, central commissary, and a UH Athletics Ticket Office. The Bert F. Winston Band and Performance Center will house the Spirit of Houston Band recital halls and classroom spaces, as well as a gallery/multi-purpose area. The stylish club area will be the ultimate Houston football experience. With 12,400 square feet of multi-purpose club area overlooking the playing field, fans with access to the club area will enjoy upscale food and drinks while receiving first-class hospitality. The stadium will also feature 34 loge boxes located throughout the stadium.

The elevated stands are designed to be expanded in the future, while still preserving views to downtown Houston. The new stadium has been designed using green/sustainable principles and for future expansion to 60,000 seats.

Project Budget - \$120,000,000

Total Project GSF - 210,000

UNIVERSITY CENTER TRANSFORMATION - PHASE I JANUARY 2014 / PHASE II JANUARY 2015



Phase 1 of the UC Transformation project includes construction of a new two-story north addition for student organizations and other campus services and a new east addition that will house a new 450-seat theater, central kitchen, a food court and the relocated bookstore. The two additions add approximately 126,000 square feet.

Phase 2 of the project will be the complete renovation of the existing UC building and will include new lounge and retail spaces. The existing UC will be renamed University Center South. Two second-level pedestrian bridges will connect UC South to the new UC North building and a new plaza will be created at ground level for public student events such as pep rallies, concerts and public speakers.

Project Budget - \$80,000,000

Total Project GSF - 301,500

UHD GIRARD STREET PARKING GARAGE AND VISITORS CENTER - OPENING FALL 2014

This University of Houston-Downtown project is a parking garage with four levels of parking that is replacing an existing garage, which is being demolished. The project includes a new Welcome Center that will house Admissions and Student Orientation. It will have enough shell space for future build out.



Project Budget- \$16,500,000

Total Project GSF - 190,000 cars

UHV REGIONAL CENTER FOR ECONOMIC DEVELOPMENT - OPENING FALL 2014



The University of Houston-Victoria project is construction of a three-story multi-use facility to be located north-east of the Center Building. The Regional Center for Economic Development will include a 60-seat tiered classroom, 200-seat auditorium, 400-seat multipurpose room, two 40-seat classrooms, and support for the school of Business Administration, Student Affairs and Allied Health.

Project Budget- \$12,416,715

Total Project GSF - 63,000

COMPLETED PROJECTS

CENTRAL PLANT - FALL 2013

The addition to the Central Plant will add 8,000 square feet to the existing building. The expansion will accommodate three new chillers and a new office suite for the plant located on the ground floor. The project also includes the purchase and installation of three new low NOx high efficiency boilers, replacement of all four cooling towers, and the addition of one new cooling tower. A grant was received from Green Mountain Energy for the installation of a solar panel array on the roof of the addition. The panels can just barely be seen from the ground, but they are expected to produce enough energy to supply power to the 4,000-square-foot office suite.



Project Budget - \$38,693,196

Total Project GSF - 15,776

LAMAR FLEMING, JR.- FALL 2013



This project renovates a portion of the Lamar Fleming Building to address major life safety issues including the addition of sprinkler and fire alarm systems as well as converting old lab space into office space.

Project Budget- \$6,025,000

Total project GSF - 117,155

COUGAR VILLAGE II - SUMMER 2013

Cougar Village II is a residential facility consisting of approximately 274 two-bedroom shared bath units, approximately 36 individual units for resident assistants, and related amenities. The project is the second phase of two similar residential facilities to be located along Wheeler Street at the southern edge of the UH campus. Each student bedroom will accommodate two beds for a total capacity of 1,144 beds.



Amenities will include a lobby with a service desk, a central lounge and floor lounges on each floor, computer room, free laundry room, testing center, fitness area, Living Learning Center, floor kitchenettes, mail center, courtyards and Wi-Fi service. Adjacent exterior courtyards will support outdoor activities and feature landscaping, seating, bike parking, artwork and site lighting. All site improvements shall complement and enhance the Cougar Village Phase I project, including a courtyard that creates a large gathering place for campus-wide events and informal recreation. The seven-story building will also house the offices of Student Housing and Residential Life as well as a testing center.

Project Budget - \$50,000,000

Total Project GSF - 287,872

COUGAR PLACE - SUMMER 2013



The new Cougar Place student housing facility consists of two four-story residential wings organized around two connecting quads. A separate but connected commons building contains reception, classrooms and common living and learning areas intended to provide student gathering space and academic support for an enhanced residential life experience. The new facility will have 799 student beds and will be designed to house sophomore and other upper

class-level students. Unit configurations will consist of four private bedrooms with two shared bathrooms and a small common living area. Amenities include living/learning spaces, a computer room, free laundry rooms, a fitness area and free Internet/Wi-Fi. The facility has been designed using green/sustainable principles.

Project Budget - \$48,500,000

Total Project GSF - 318,000

WELCOME CENTER STUDENT GARAGE - SUMMER 2013

The new Welcome Center Student Parking Garage will contain approximately 1,500 parking spaces, measuring approximately 500,000 gross square feet on four parking levels. It is located immediately south of the Welcome Center Parking Garage and east of Moody Towers at the corner of Wheeler and Calhoun. This garage will primarily serve the growing student residential corridor along Wheeler Street, but also will provide additional parking for visitors, faculty and staff immediately adjacent to a future Metro rail stop. Primary access to Garage 1A will be from the access road between the Welcome Center and the new garage with a secondary access from Entrance 4.



Project Budget - \$20,000,000

Total Project GSF - 500,000

UHV JAGUAR SUITES - SUMMER 2013



The suite-style residence hall at the University of Houston-Victoria features 54 units, all with four private bedrooms measuring 9 feet by 12 feet, a shared living space and kitchenette, and two baths. The building features a multi-purpose room, two large study rooms, computer labs and small group study rooms on each floor, a large fitness room, commons areas with televisions on each floor and two elevators. Additional amenities include

Wi-Fi throughout the building, laundry facilities on each floor and a pool.

Project Budget- \$11,500,000

Total Project GSF - 81,721

SCIENCE AND RESEARCH 1 - SPRING 2013

This project included life safety and mechanical upgrades to the Science and Research 1 Building including a new generator and air handlers, fire alarm and sprinkler systems and elevator machine upgrades.



Project Budget- \$15,800,000

Total Project GSF - 214,496

HEALTH AND BIOMEDICAL SCIENCES CENTER - FALL 2012



The Health and Biomedical Sciences Center is a six-story building with approximately 167,000 gross square feet that includes interstitial spaces above the fifth and sixth floors with vivarium spaces to support animal research. The building also includes an ambulatory surgical center, laser center, research laboratories, clinical facilities, seminar spaces and classrooms. The facility is adjacent to and interconnected with the J. Armistead College of

Optometry Building. The project also includes the construction of a 16,000-gross-square-foot satellite central plant that will support the new facility and a future Pharmacy Building.

Project Budget - \$90,000,000

Total Project GSF - 175,892

COUGAR WOODS DINING HALL - FALL 2012

Cougar Woods Dining Hall houses a modern dining facility with approximately 600 seats and serves the residential students within walking distance of the facility. The food service facility has a traditional food line and full preparation kitchen located in the back and includes a Cougar Xpress Mini Market with snacks, drinks and other on-the-go selections.



Project Budget - \$9,300,000

Total Project GSF - 25,000

CLASSROOM AND BUSINESS BUILDING - FALL 2012



The new Classroom and Business Building is approximately 147,000 gross square feet over five floors. The first two floors house eight 80-seat general purpose classrooms, a new testing center, a new writing center, and administrative office space for various Academic Affairs departments. Floors 3, 4 and 5 are dedicated to the Bauer College of Business and include space for the Wolff Center for Entrepreneurship and the Executive MBA program, including student lounges, breakout rooms,

conference rooms, student organization office space, administrative and clinical offices, a multi-purpose room and a great hall on the fifth floor.

Project Budget - \$41,000,000

Total Project GSF - 146,940

SCIENCE AND ENGINEERING RESEARCH CENTER - FALL 2012



The Science & Engineering Research Center interior laboratory construction was completed at the end of 2012. The last two floors to complete are the fourth, slated for Biochemistry Research, and the second for the Department of Biomedical Engineering. The building has been under construction for several years as floors have been completed as funding became available. Each of the five floors of the building contains approximately 20,000

square feet of research space in support of the University's Tier One mission.

Project Budget - \$31,064,069

Total Project GSF - 87,155

UHD PARKING GARAGE EXPANSION - FALL 2012

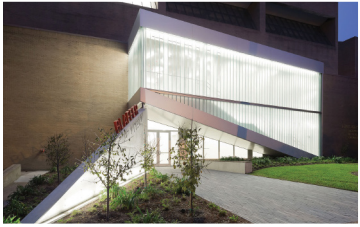
The University of Houston-Downtown Parking Garage project consisted of the addition of two new intermediate parking levels for visitor parking for the existing Academic Building, with an internal entry/exit ramp.



Project Budget- \$2,797,275

Total Project GSF - 60,000

BLAFFER MUSEUM - SUMMER 2012



The Blaffer Museum renovation located at the Fine Arts building is an architecturally significant renovation. The project makes the gallery more accessible to visitors by creating a new gallery entrance on the north side of the building and a new interconnecting staircase between the first and second floors.

All gallery interiors have been renovated and a classroom and coffee bar have been added. Infrastructure improvements include new HVAC and electrical systems, enhanced security, audio/visual capabilities and a new fire suppression system.

Project Budget - \$2,000,000

Total Project GSF - 14,249

STADIUM PARKING GARAGE - SUMMER 2012

The new Stadium Parking Garage is a 2,300-car facility with a total of 750,000 square feet of parking and 12,000 square feet of retail and office space. Primary access to the garage is from Holman Street. The garage has four levels of parking and includes a Fan Shop, Taco Cabana, Cougar Xpress Mini Market and offices for UH Parking and Transportation and UH Parking Customer Service. The southern boundary will define Cougar Walk, a mixed-use corridor, which will extend the major pedestrian circulation of the University's Entrance 14 West, located on Cullen Boulevard. This access way will provide a new major entrance to the university extending from Scott Street through the PG Hoffman building to the core of the campus.



Project Budget - \$26,000,000

Total Project GSF - 744,777

SCIENCE TEACHING LAB BUILDING - SUMMER 2012

The Science Teaching Lab Building is located at the south corner of Entrance 14 and Cullen Boulevard. The building is four floors with the undergraduate biology and chemistry teaching labs on the first three floors. The fourth floor is shell space for future research labs, half of which is now chemistry research labs.



Project Budget - \$31,199,333

Total Project GSF - 123,988

ENERGY RESEARCH PARK- BUILDING 1 - SUMMER 2012



The renovation of Building 1 houses various administrative departments including Advancement, Finance, the Office of Real Estate Services and Transwestern property management. The renovation included a new roof, building envelope improvements including new windows and canopies, infrastructure upgrades including new HVAC systems, voice and data cabling, elevator modernization, ADA upgrades and interior finish improvements.

Project Budget - \$7,760,225

Total Project GSF - 31,000

UHCL ARBOR ADDITIONS AND RENOVATIONS- SUMMER 2012

The University of Houston-Clear Lake Arbor Building project consisted of renovations to the existing Arbor Building as well as the addition of approximately 32,000 square feet of space for the Fine Arts and Education programs. The project incorporated pre-engineered metal building systems located in two structures: one each at the north and south end of the Arbor Building.



Project Budget- \$12,418,782

Total Project GSF - 210,000

ENERGY RESEARCH PARK- BUILDING 4 - SPRING 2012



Building 4 underwent a near total exterior renovation in 2011 that included a new roof, new windows and metal panels, ADA upgrades and a new building entrance. A later renovation of the interiors has been completed and Building 4 now serves as the central administrative facility for the campus. It includes a conference center, classrooms and Cougar Xpress Mini Market. The building is approximately 33,000 square feet.

Project Budget - \$5,872,764

Total Project GSF - 31,084

ENERGY RESEARCH PARK- BUILDING 9A - FALL 2011



Approximately 24,000 square feet of Building 9A were renovated in late 2010 to house the new petroleum engineering program. The two-story renovation includes new classrooms, teaching labs, a student lounge and faculty and staff offices. Shell space was provided for the future build-out of two research labs.

Project Budget - \$5,190,649

Total Project GSF - 24,000

LANCE T. FUNSTON COMMUNICATION CENTER AT JACK J. VALENTI SCHOOL OF COMMUNICATION EXPANSION- SUMMER 2011

This project consisted of new construction including a state-of-the-art video production studio and support facilities and renovations to existing space including a new grand entry, an upgraded video production studio, faculty and staff offices, classrooms, and associated mechanical, electrical, plumbing, and life safety infrastructure.



Project Budget- \$3,651,000

Total Project GSF - 19,650

MICHAEL J. CEMO HALL - FALL 2010



Michael J. Cemo Hall provides the Bauer College of Business with an enhanced learning environment to meet the needs of its increasing student population. Located on the east side of campus near the existing Melcher Hall, the new facility contributes to the "business district" of the campus. The building is approximately 34,000 gross square feet and includes a 440-seat auditorium, three 80-seat classrooms, student meeting rooms, and the Elizabeth D. Rockwell Career Services Center.

Project Budget - \$9,769,554

Total Project GSF - 34,000

COUGAR VILLAGE - SUMMER 2010

Cougar Village was conceived to help facilitate the University of Houston's aspiration and transformation from an urban commuter-based campus to a Tier One research institution, with the anticipated growth of the student body and the requirement that 25 percent of students be housed on campus.

The construction of this facility also marked the beginning of UH's plan to build a residential village on the south edge of campus. The building is seven floors, providing 1,163 beds including 282 suites housing four students each with a bathroom and a separate foyer/vanity area, 35 RA's in single-occupancy rooms, and three faculty/staff apartments on the top floor.



Project Budget - \$46,461,589

Total Project GSF - 301,505

FRESH FOOD COMPANY - SUMMER 2010

The Fresh Food Company consisted of upgrading the layout of dining, new furnishings, and kitchen facilities at the Moody Towers Residence Hall.



Project Budget - \$11,000,000

Total Project GSF - 32,000

HILTON RENOVATION - SPRING 2010



The UH Hilton renovation included renovations to Eric's Restaurant, ballrooms and guest rooms located in the tower. An exterior back lit onyx wall visible from University Drive was incorporated at the exterior entry. Guest rooms were enlarged by incorporating the exterior space of the brise-soleil into the rooms. The guest bathroom layouts were changed to be more efficient and finishes and fixtures were upgraded. The old monumental spiral stairway in the Waldorf Astoria pre-function area was demolished and a new stairway was built closer to the entry creating a larger lobby. The renovation also included a reconfigured concierge desk and the removal of all planters located in the courtyard resulting in a larger guest lounge.

Project Budget - \$13,669,195

Total Project GSF - 40,961

EAST PARKING GARAGE - FALL 2009

The 1,500 space East Parking Garage is located in the Professional Precinct near the Bauer College of Business and is viewable from Spur 5 and I-45. This five-level garage meets the needs of students, faculty, visitors and residents of the nearby Calhoun Lofts housing facility.



Project Budget - \$18,000,000

Total Project GSF - 490,000

CALHOUN LOFTS - SUMMER 2009



The 984-bed Calhoun Lofts offers loft-style living with an urban feel. All units are apartments with kitchens; the rooftop terrace overlooks downtown Houston as well as the entire campus. There is a small theater, a sky lounge, exercise room and a laundry room on every floor. It also includes a 10,500-square-foot retail center which includes a large convenience store, and a bookstore. The six connected buildings enclose two landscaped courtyards, and are served by eight elevators. The central building is 10 stories high with a total of 570,000 gross square feet.

Project Budget - \$106,587,141

Total Project GSF - 569,000

UNIVERSITY OF HOUSTON SYSTEM

For more construction project information,
please visit the Facilities Planning and Construction website at
www.uh.edu/plantops/departments/fpc/ or Facebook page at
www.facebook.com/UniversityOfHoustonPlantOperations.