

UT System Science, Technology, Engineering & Health
Project Planning Descriptions 8/05 – Expected 8/06

UT Arlington

Engineering Research Building

Project Description: This project includes new construction and selective renovation of three existing facilities consisting of Nedderman Hall, Engineering Lab Building, and Woolf Hall. The new facility will be constructed to house 24 research labs, 8 teaching labs, 4 computer system labs, 1 senior design lab, and 62 offices collectively for faculty and graduate research assistants for the Computer Science & Engineering Department. There will be 13 labs and 13 offices for the Biomedical Engineering Department and a new Science and Engineering Library. The project is to include a landscaped courtyard with a water feature.

Project Gross Square Feet: 235,123

Project Cost: \$80,430,000

Website: <http://www.uta.edu/engineering/>

Engineering Research Building Expansion

Project Description: This project is to expand the proposed new Engineering Research Building with an addition of a College of Science wing. This wing will provide additional space for research labs and offices. It is anticipated this addition will occur during the initial construction phase of the Engineering Research Building and be completed along with the ERB project. The actual number of labs and offices will be established during the Facilities Programming Phase of this project.

Project Gross Square Feet: 60,000 – 80,000

Project Cost: \$30,000,000

Website: <http://www.uta.edu/engineering/>

UT Austin

Applied Research Lab Expansion

Project Description: Construction of this building addition is necessary to allow ARL to compete with other similar organizations for both research opportunities and the qualified staff necessary for the operation. Funding for this project will be from research grants.

Project Gross Square Feet: 15,000

Project Cost: \$ 3,500,000

Website: <http://www.arlut.utexas.edu/>

UT Austin continued

Biomedical Engineering Building

Project Description: This project will construct a new building for Biomedical Engineering at the Pickle Research Campus.

Project Gross Square Feet: N/A

Project Cost: \$55,100,000

Website: <http://www.bme.utexas.edu/about/BuildingConcept.cfm>

Dell Computer Science Hall

Project Description: The project involves demolishing the outdated west wing of the original Taylor Hall building. A separate project to demolish a one story east wing of Taylor Hall will create room adjacent to the Power Plant Annex for the construction of a more efficient and higher capacity central chilling station to replace the outdated Central Chilling Station #2. After the Chilling Station Replacement project is completed, the demolition of Central Chilling Station #2 and the demolition of Taylor hall's west wing will create space for a new Computer Science Building. The new building will be linked to the Applied Computational Engineering and Sciences (A.C.E.S.) Building and to Taylor Hall. Upon completion of the Computer Sciences Building, Taylor Hall will be renovated. The new Computer Sciences Building will have five levels plus a basement. A wing of the new building will connect to Taylor Hall and ACES, but the wing will be limited to two levels plus the basement. Design Guidelines contained in the Campus Master Plan dictate the height restrictions of the new building and its connector wings, as well as how the new building will align with the adjacent existing buildings. Upon completion of the Computer Sciences Building, Taylor Hall will be renovated. The 1934 building needs renovation to upgrade fire and life safety systems to current code, comply with Texas Accessibility Standards and modernize the building to meet the current needs of the Department of Computer Sciences.

Project Gross Square Feet: N/A

Project Cost: \$67,000,000

Website: <http://www.cs.utexas.edu/department/index.html>

Dell Pediatric Research Institute

Project Description: This project will establish a pediatric health research institute in Austin. Combining UT Austin's core expertise in life sciences with the new Dell Children's Medical Center will establish Austin as a center of excellence for children's health and biomedical research.

Project Gross Square Feet: N/A

Project Cost: \$97,000,000

Website: <http://www.utexas.edu/research/sciencecoalition/>

UT Austin continued

Experimental Science Building

Project Description: This project will provide the University with a facility that has modern, technology-enabled classrooms and undergraduate teaching laboratories. It will provide office and laboratory space to recruit and retain faculty in critical academic initiative areas such as neuroscience, computational biology, environmental sciences, pharmacy and molecular and cellular biology.

Project Gross Square Feet: 256,000

Project Cost: \$125,000,000

Website: http://www.cnm.utexas.edu/about_cnm.htm

Vivarium

Project Description: Program needs for the new occupants of the Neural and Molecular Biology Building (NMS) require having animal facilities either in the new building or adjacent. Installing animal facilities inside the new building would be difficult and the available space is very limited. Instead, the University is pursuing the construction of a Vivarium which will be constructed adjacent to the NMS building, just north of Anna Hiss Gymnasium. This location will not only benefit NMS, but it will also benefit the new Biomedical Engineering Building (BME) when it is complete in 2008. BME will be connected to NMS, allowing direct access from BME's new laboratories to the Vivarium, through NMS.

Project Gross Square Feet: 6,000

Project Cost: \$15,000,000

Website: <http://www.biosci.utexas.edu/mcdb/about.html>

Robert A. Welch Hall

Project Description: This project will repair and renovate the Robert A. Welch Hall, which is a multi-use facility that houses ten lecture halls, undergraduate and graduate administrative offices, laboratories, and classrooms associated with the Mass Spectrometry, NMA Spectroscopy, ESA Spectroscopy, Chemistry and Biochemistry departments.

Project Gross Square Feet: 439,540

Project Cost: \$60,000,000

Website: <http://www.utexas.edu/maps/main/buildings/wel.html>

UT Brownsville

Science and Technology Learning Center

Project Description: The Science and Technology Learning Center is being requested for addition to the FY 2006-2011 Capital Improvement Program. This new building is important to meet the needs of the campus's growing enrollment.

Project Gross Square Feet: 102,000

Project Cost: \$33,800,000

Website: <http://csmt.phys.utb.edu/>

UT Dallas

Center for Brain Health

Project Description: UT Dallas has received contributions to support the building or the acquisition of a facility to house the Center for Brain Health. The Center, which conducts innovative research and provides clinical services for a variety of brain disorders including brain injury, Alzheimer's disease, and stroke, is an important initiative and has generated significant community support in addition to this pledge.

Project Gross Square Feet: N/A

Project Cost: \$700,000

Website: <http://brainhealth.utdallas.edu/>

Math, Science, and Engineering Teaching-Learning Center

Project Description: The new facility will be equipped to serve concurrently as a major laboratory for research on effective teaching and learning techniques in these fields, both at the college level and through a full range from kindergarten through 12th grade. The facility will include lecture halls, recitation areas, instructional laboratories, and offices for faculty and tutors.

Project Gross Square Feet: N/A

Project Cost: \$27,000,000

Website: <http://www.ecs.utdallas.edu/>

Vivarium and Experimental Space

Project Description: This project will build out the current shell space in the basement of the new Natural Sciences Engineering Research Laboratory for a vivarium and experimental space for neuroscience and neuroengineering faculty.

Project Gross Square Feet: 10,000

Project Cost: \$15,000,000

Website: <http://www.ecs.utdallas.edu/research/index.html>

UT El Paso

Physical Sciences / Engineering Core Facility

Project Description: This project will construct a new state-of-the-art undergraduate laboratory and teaching facility for the Natural Sciences. This facility will double the existing outdated laboratory, teaching and undergraduate research space currently housed in a 40-year-old Physical Sciences Building. The new facility will house the university's chemistry and physics departments, 25-30 instructional laboratories, lecture support space, undergraduate and graduate research space, and necessary office space.

Project Gross Square Feet: N/A

Project Cost: \$85,000,000

Website:

<http://academics.utep.edu/Default.aspx?alias=academics.utep.edu/eng>

UT El Paso continued

Science and Engineering Core Facilities Upgrade

Project Description: This project will renovate the existing Physical Sciences Building. There will be renovation to a portion of the existing Engineering Science Complex and finish out of the remaining shelled portions of the existing Biosciences Research Building.

Project Gross Square Feet: N/A

Project Cost: \$39,000,000

Website:

<http://academics.utep.edu/Default.aspx?alias=academics.utep.edu/eng>

UT Pan American

Science Building Renovation

Project Description: This 3rd floor area was "shelled" in 1997 for lack of funds. New available funds will allow the floor to be finished. Space contains four teaching labs, two research labs, and 24 faculty offices.

Project Gross Square Feet: N/A

Project Cost: \$1,995,000

Website: <http://www.panam.edu/2000/colleges/index.cfm?curcol=5>

Animal Research Facility

Project Description: This project will make a more technologically adequate area in the new Regional Academic Health Center (RAHC) that was constructed on the campus by UTSA Health Science Center.

Project Gross Square Feet: 20,000

Project Cost: \$5,000,000

Website: <http://www.panam.edu/2000/colleges/index.cfm?curcol=5>

Student Health Clinic

Project Description: This project will build a new Student Health Clinic. The present one is no longer able to accommodate the campus's growing needs. The Student Health Clinic will be built in conjunction with the new Wellness and Recreation Sports Center.

Project Gross Square Feet: 7,500

Project Cost: \$1,500,000

Website:

https://portal.utpa.edu/portal/page?_pageid=99,1314679&_dad=portal&_schema=PORTAL

UT Permian Basin

Science and Technology Complex

Project Description: This project will construct a new Science Building, a new Information Technology building, and renovate the vacated space in the Mesa Building and Industrial Technology Building for additional classrooms, faculty offices, and student support spaces.

Project Gross Square Feet: 165,000

Project Cost: \$56,000,000

Website: <http://www.utpb.edu/scimath/index.shtml>

UT San Antonio

Combined Science Facility Renovations – 1604 Campus

Project Description: This project consists of a comprehensive renovation to science facilities at UT San Antonio's 1604 Campus. Facilities included in this proposed renovation package consist of the Science Building, Physical Science Laboratory, Earth and Life Science Laboratory, and the Small Animal Laboratory.

Project Gross Square Feet: N/A

Project Cost: \$20,500,000

Website: <http://www.utsa.edu/cos/>

Engineering Building, Phase II

Project Description: This project will construct a new building consisting of research and teaching laboratories, classrooms, seminar rooms and/or conferencing facilities, faculty and staff offices, and student and faculty support facilities to accommodate increasing enrollments in undergraduate and graduate programs within the Colleges of Engineering and Sciences. This building will include the most sophisticated of information technology features designed and installed for an information intensive environment. This project would also provide campus infrastructure and site utilities and enhancements.

Project Gross Square Feet: 150,000

Project Cost: \$82,500,000

Website: <http://www.utsa.edu/cos/>

UT Tyler

Braithwaite Building Addition

Project Description: This project will support the continued growth of the College of Nursing, including the new Ph.D. in Nursing and additional research/graduate teaching endeavors. The building will contain state-of-the-art classrooms and associated support spaces. The facility will also contain multipurpose conference rooms and office space.

Project Gross Square Feet: N/A

Project Cost: \$2,400,000

Website: <http://www.uttyler.edu/nursing/nursing.htm>

UT Tyler continued

Completion/Renovation/Expansion for Engineering and Sciences

Project Description: This project is composed of completion of a previously approved TRB project and renovation of existing classrooms and labs. The Science and Technology north building will be completed first, with simultaneous conversion of existing science and math classrooms and labs into larger science laboratories.

Project Gross Square Feet: 256,468

Project Cost: \$48,000,000

Website: <http://cecs.uttyler.edu/>

Expansion of the Palestine Campus

Project Description: This project will provide additional, modern space to accommodate rapid enrollment growth at UT Tyler's Palestine Campus. This project will involve the construction of a new building for clinical and general classrooms, laboratories and general office space for faculty.

Project Gross Square Feet: 23,000

Project Cost: \$7,000,000

Website: <http://www.uttyler.edu/palestine/>

UT Southwestern Medical Center Dallas

Laboratory Research and Support

Project Description: This project will construct a four story laboratory research and support building. Two floors will initially be finished-out as pathogen-free vivarium facilities to include areas for animal holding, procedures, laboratories, cage-washing and autoclave, and associated material handling and storage. The remaining two floors will be shell space for future research and support. The Building will be located on the South Campus near the Moss Research Building at the southwest corner of the campus near Medical Center Drive. The building will require two loading docks, one for clean incoming material and one for dirty outgoing material.

Project Gross Square Feet: 75,780

Project Cost: \$11,600,000

Website: <http://www.utsouthwestern.edu/home/research/index.html>

UT Southwestern Medical Center Dallas continued

North Campus Phase 5

Project Description: This project will construct an eight story biomedical research building with 88,933 square feet of underground parking. This project also includes a 24,780 GSF Thermal Energy Plant. This project will be constructed in a portion of the 90-acre site identified as U. T. Southwestern's Medical Center North Campus which is located in the vicinity of Inwood Road and Harry Hines Boulevard.

Project Gross Square Feet: 238,026

Project Cost: \$156,000,000

Website: <http://www.utsouthwestern.edu/home/research/index.html>

UT Medical Branch Galveston

Specialty Care Center at Victory Lakes

Project Description: This project will construct an outpatient clinic located in League City, Texas, to serve UTMB patients in North Galveston County.

Project Gross Square Feet: 100,000

Project Cost: \$35,000,000

Website: <http://www.utmb.edu/>

Basic Science Renovation

Project Description: This project will renovate and modernize select laboratory areas for basic science use along with enhanced security for research areas.

Project Gross Square Feet: N/A

Project Cost: \$6,000,000

Website: <http://www.utmb.edu/>

Jennie Sealy Hospital Replacement

Project Description: These facilities will be constructed and owned by the Sealy Smith Foundation and provided to UTMB under a nominal cost lease agreement. UTMB will reimburse the landlord for leasehold improvements as identified within the lease documents. UTMB will also be responsible for the furniture and equipment required for this project.

Project Gross Square Feet: 600,000

Project Cost: \$250,000,000

Website: <http://www.utmb.edu/tour/27.htm>

UT Health Science Center – Houston

Biomedical Research and Education Facility

Project Description: This project will be the primary home for adult stem cell research and education. The facility will contain state-of-the-art laboratories and associated support spaces such as cold rooms. The facility will also contain multipurpose conference rooms and office space.

Project Gross Square Feet: N/A

Project Cost: \$62,000,000

Website: <http://gsbs.uth.tmc.edu/>

Dental Branch Replacement Building

Project Description: This project will replace the existing 50-year-old Dental Branch Building. The existing facility no longer meets the needs of students, educators, and patients in the delivery of contemporary dental education. The facility will contain state-of-the-art pre-clinical and clinical laboratories, treatment laboratories, classrooms, multipurpose conference rooms, research laboratories, and office space.

Project Gross Square Feet: N/A

Project Cost: \$80,000,000

Website: <http://www.db.uth.tmc.edu/>

Expansion of RAHC Public Health Satellite

Project Description: This project will complete the Phase I project (\$1M), and add a 15,000 gross square feet facility (\$3M) as an addition to the Brownsville Public Health Division of the RAHC (Regional Academic Health Center), located on the campus of UT Brownsville. Receipt of a federal grant related to the bioterrorism initiative is highly likely. If obtained, it will enable the institution to complete shell space, add on to the facility, and to construct a BSL 3 lab.

Project Gross Square Feet: 15,000

Project Cost: \$3,000,000

Website: <http://www.sph.uth.tmc.edu/rservices/default.asp?id=277>

UT Health Science Center - San Antonio

Cyclotron Addition

Project Description: Addition to the Robert F. McDermott Clinical Science Building. The Research Imaging Center (RIC) was successful in recruiting a renowned scientist who requires a state-of-the-art dual-beam, negative-ion cyclotron. The RIC is used to study basic mechanisms of cognitive learning, development, and aging in animal models for human diseases.

Project Gross Square Feet: 3,000

Project Cost: \$3,000,000

Website: <http://ric.uthscsa.edu/>

UT Health Science Center - San Antonio continued

Laboratory Animal Resources Renovation

Project Description: This project will increase space in the Department of Laboratory Animal Resources (LAR) so that it is better suited to a large and expanding animal research program. A renovation grant has been awarded to UTHSCSA from NIG that provides 1:1 match for the entire project.

Project Gross Square Feet: N/A

Project Cost: \$5,500,000

Website: <http://sacs.uthscsa.edu/catalog/lar.asp>

Medical Arts and Research Center

Project Description: The UTHSCSA's non-profit health corporation, University Physicians Group (UPG), is the organizational structure through which the University conducts its clinical care activities. UPG currently leases clinical space in eight separate locations throughout the city. The two main clinic sites are the Diagnostic Pavilion, located adjacent to the University campus, and the Brady Green clinic located in downtown San Antonio. The Medical Arts Research Center would replace the Diagnostic Pavilion and allow consolidation of other services from many of the smaller sites currently in use.

Project Gross Square Feet: N/A

Project Cost: \$95,000,000

Website: <http://www.upg-sa.com/index.html>

UT Health Science Center - San Antonio

Pre-Clinical Laboratory Renovation

Project Description: This project will renovate the pre-clinical laboratories in the Dental School.

Project Gross Square Feet: N/A

Project Cost: \$4,500,000

Website: <http://dental.uthscsa.edu/>

South Texas Research Facility

Project Description: This project will construct a new research space with structured parking located on the north campus adjacent to the existing Children's Cancer Research Institute and Medical Arts and Research Center which will begin construction in Fall 2006.

Project Gross Square Feet: 200,000

Project Cost: \$150,000,000

Website: <http://www.uthscsa.edu/research/>

UT M. D. Anderson Cancer Center

Alkek Expansion

Project Description: This project will construct five new inpatient floors with additional support space provided for pharmacy, nursing support, additional PACU and ICU beds. The project will also renovate the existing 12th floor to address infrastructure issues associated with the current protected environment.

Project Gross Square Feet: 401,500 New Construction; 37,000 Renovation

Project Cost: \$280,000,000

Website:

http://www.mdanderson.org/featured_sites/virtualtour/display.cfm?id=f08b9757-79c7-11d4-aec700508bdcce3a&method=displayfull&pn=cbb66cfc-7dc6-11d4-aec700508bdcce3a

Bastrop Facility (Phase I)

Project Description: The project consists of a building to provide basic research laboratories, education space, primate research laboratories, pathology support and various site and infrastructure upgrades. The building will be consistent with the low-rise/low profile theme of the Bastrop campus and will contain a combination of laboratories, offices, and conference/teaching spaces. The required infrastructure upgrades include a new campus entrance, water and sewage requirements, parking, and roadways.

Project Gross Square Feet: N/A

Project Cost: \$30,000,000

Website: <http://www.mdanderson.org/>

Center for Advanced Biomedical Imaging Research

Project Description: This project will construct a four story building and will house laboratories dedicated to the development and validation of Positron Emission Tomography (PET) as well as Magnetic Resonance Imaging (MRI) and Optical Imaging Tracers.

Project Gross Square Feet: N/A

Project Cost: \$55,000,000

Website:

<http://www.mdanderson.org/departments/mccombs/display.cfm?id=7e901a48-6c69-4cba-b3b3f815aeed9c99&method=displayfull&pn=feecb1fe-8b77-4ccb-b5392daaf1cc812d>

Center for Targeted Therapy Research Building

Project Description: The new five story research facility housing Experimental and Molecular Therapeutics programs will be located at UT Research Park on South Campus.

Project Gross Square Feet: 165,000

Project Cost: \$70,000,000

Website:

<http://www.mdanderson.org/departments/mcombs/display.cfm?id=54ebadb1-141e-4c83-b8f7d1372298ff3d&method=displayfull&pn=feecb1fe-8b77-4ccb-b5392daaf1cc812d>

UT M. D. Anderson Cancer Center continued

Faculty Center Tower

Project Description: This project will support the growing needs of office space required to maintain the current institutional growth rate of 5 percent a year as well as reduce lease expenses.

Project Gross Square Feet: N/A

Project Cost: \$145,000,000

Website: <http://www.mdanderson.org/>

Smithville Facility (Phase I)

Project Description: The project consists of five elements: (1) a fourth research laboratory building of 23,000 GSF; (2) a new auditorium/office building of 12,000 GSF; (3) a cell line preservation/storage addition of 2,800 GSF; (4) phase four expansion of the animal building of 4,400 GSF; (5) a new central heating and cooling plant of 5,500 GSF, renovation of mechanical systems in Laboratory Buildings 1 and 2, plus site and infrastructure upgrades to support the new buildings.

Project Gross Square Feet: See above

Project Cost: \$26,000,000

Website: <http://www.mdanderson.org/>

South Campus Vivarium Facility

Project Description: This project will provide space for the work required at the Physical Plant Building (PPB) to provide animal research facilities for 18,000 mice to serve the MDACC South Campus. Additional animal holding, remodeling of a portion of the existing vivarium facility in the Smith Research Building, and space for diagnostic imaging are planned for future phases.

Project Gross Square Feet: 38,000

Project Cost: \$45,000,000

Website: <http://www.mdanderson.org/>