

# U. T. Arlington

## Proposal for the Life Science Building & Animal Research Facility

Presented by James D. Spaniolo  
President



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# U. T. Arlington

## Life Science Building & Animal Research Facility

- Major renovation of Life Science Building (210,612 GSF) originally constructed in 1970, and an animal research facility addition (20,000 GSF)
- Renovate existing building to create state-of-the-art teaching and research space in accordance with the Campus Master Plan (May 2007)
- 2012 THECB Space Utilization: Classrooms – 83 (Target 75), Class Labs – 100 (Target 75)



# U. T. Arlington

## Life Science Building & Animal Research Facility (cont.)

- Total Project Cost: \$91.3 million

		Existing Building		Animal Research Facility	
	Total Project Cost	GSF	Cost/GSF	GSF	Cost/GSF
Renovation	\$69,300,000	210,612	\$329		
New	\$22,000,000			20,000	\$1,100
Total	\$91,300,000				

\*U. T. System Historical Data Recommends \$1,100/GSF for Animal Research Facility



# U. T. Arlington

## Life Science Building & Animal Research Facility (cont.)

### Master Plan (Gross Sq Ft)

Building Type	2005	2012	Projected 2020
Research	1,003,678	1,399,666	1,909,807

Chemistry & Physics ('06) 125,142 GSF

Civil Engineering Lab Bldg ('08) 28,545 GSF

Engineering Lab Addition ('09) 26,573 GSF

Engineering Research Bldg ('11) 231,232 GSF

- Campus Master Plan includes adding over 1 million square feet of research space and maintaining existing research space to include the Life Science Building



# U. T. Austin

## Proposal for the Engineering Education and Research Center

Presented by William C. Powers, Jr.  
President



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# U. T. Austin

## Engineering Education and Research Center

- New 433,000 gross square feet building
  - Removes 240,000 gross square feet of obsolete space
  - Net space added is 193,000 gross square feet
- Student-Centered project with new space for project-based learning and student services
- Flexible, interdisciplinary research space



# U. T. Austin

## Engineering Education and Research Center (cont.)

- New home for the top-10 ranked Department of Electrical and Computer Engineering
- High priority project for UT Austin
- First phase and highest priority project of the Engineering Strategic Master Plan





# U. T. Austin

## Engineering Education and Research Center (cont.)

- This significant teaching facility has 45,500 ASF of new project-based teaching laboratories and modern, technology-enabled classrooms for all engineering departments, and centralized student services and student organizations.
- Additional personnel and research space will provide capacity for an estimated doubling of the current level of research expenditures in Department of Electrical & Computer Engineering.
- A new type of interdisciplinary research space will bring faculty and student teams together in modular labs to solve grand challenge problems.
- The original estimate of \$28 million in new annual research expenditures has increased to \$32.3 million.





# U. T. Austin

## Engineering Education and Research Center (cont.)

- Per THECB Data, Fall 2011:
  - UT Austin adjusted deficit of 1,905,327 SF
  - UT Austin score is above 150 in the Space Usage Efficiency report
- EERC meets the THECB standards for space need, building cost and building efficiency and will lower the amount of deferred maintenance



# U. T. Austin

## Engineering Education and Research Center (cont.)

- \$310,000,000 Total Project Cost

### Cost Breakdown

EERC new construction	\$256,257,846
Demolition, sitework and swing space	\$ 24,742,154
ECJ Renovation	\$ 8,400,000
Network Operations Center	\$ 17,000,000
Material Transfer Center – new construction	<u>\$ 3,600,000</u>
	\$310,000,000



# U. T. Austin

## Engineering Education and Research Center (cont.)

- Funding Breakdown, per TRB request

Tuition Revenue Bond Request	\$ 95,000,000
Permanent University Fund	\$ 105,000,000
Other Local Funds	\$ 5,000,000
Gifts/Donations	<u>\$ 105,000,000</u>
	\$ 310,000,000



# U. T. Austin Engineering Education and Research Center (cont.)

- Campus Map



# U. T. Brownsville

## Proposal for the Construction of the New UTB Campus

Presented by Juliet V. García  
President



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# U. T. Brownsville

## Construction of the New UTB Campus

- Provides classroom, library and office space not available in current facilities
- Consists of facilities necessary to provide basic educational & support services
- UTB utilizes 4.0 NASF per semester credit hour;  
Current space deficit = 370,894 NASF





# U. T. Brownsville

## Construction of the New UTB Campus (cont.)

- Total Project Cost – \$151,650,000

Space Type	Budget (Millions)	Area (GSF)	Cost (SF)	Historical Average Cost	
				UT System*	THECB**
General Classroom	\$ 71.72	260,808	\$275	\$374	\$401
Library and Information Technology	32.99	119,949	275	374	324
Administrative and Student Support	35.23	128,086	275	374	401
Support Space	11.71	37,631	311	374	599
<b>Total</b>	<b>\$151.65</b>	<b>546,474</b>			





# U. T. Brownsville

## Construction of the New UTB Campus (cont.)

- Reviewing proposals for permanent site for campus of the 21<sup>st</sup> Century. Expected closing on identified property by May 2013
- Selection of professional services firm to develop master plan at the November 2012 Board of Regents' meeting



# U. T. Dallas

## Proposal for the Engineering Building

Presented by David E. Daniel  
President



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# U. T. Dallas Engineering Building

- Research labs, classrooms, offices, and support space
- Primarily for mechanical engineering (grown from 11 to 477 students in four years)
- Space Usage Efficiency (SUE) = 200



# U. T. Dallas Engineering Building (cont.)

- Total Project Cost: \$95 Million

Building	Total Project Cost	GSF	Cost/GSF
Engineering Building	\$95,000,000	218,000	\$435



# U. T. El Paso

## Proposal for the Interdisciplinary Research Facility

Presented by Diana Natalicio  
President



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# U. T. El Paso Interdisciplinary Research Facility

- Five-story, 250,000 sq. ft. building
- Aligned with Strategic Plan for Research
- Provides critically needed research, research support and teaching space
- Alleviates space deficit of 757,574 sq. ft.



# U. T. El Paso Interdisciplinary Research Facility (cont.)

- Total Project Cost: \$110 million
  - \$90 million construction cost, \$358/GSF
  - \$20 million demolition, asbestos abatement, thermal plant expansion, roadways and pedestrian circulation





# U. T. El Paso Interdisciplinary Research Facility (cont.)



# U. T. Pan American

## Proposal for the New Science Building

Presented by Dr. Robert S. Nelsen  
President



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# U. T. Pan American New Science Building

- 120,444 NASF; classrooms, labs, research, offices to expand and enhance STEM disciplines
- Biology, chemistry, math, pre-med, and environmental studies



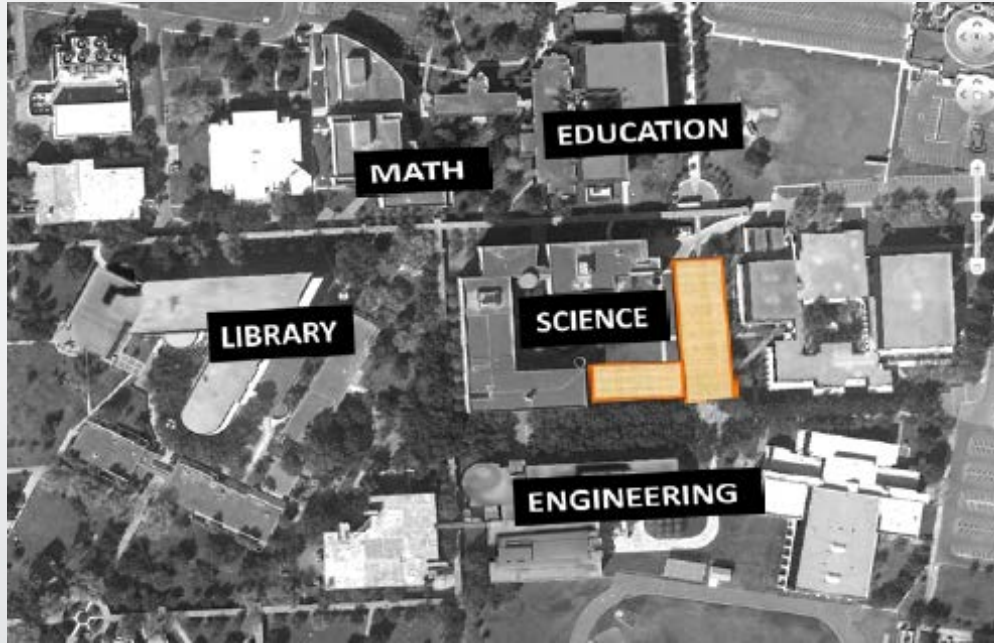
# U. T. Pan American New Science Building

- \$98 Million

	Total Project Cost*	GSF	Cost/GSF
General/Lab	\$98,000,000	162,600	\$491*
* Cost/GSF is based on Construction Cost (\$79.8M)			



# U. T. Pan American New Science Building



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# U. T. Permian Basin

## Proposal for Tuition Revenue Bond Funding for an Engineering Building

Presented by W. David Watts  
President



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# U. T. Permian Basin

## TRB for Engineering Building

- Classroom and Laboratory Building
- Engineering program is essential to growth goals outlined in the Master Plan
- Will allow mechanical, petroleum and (eventually) chemical engineering programs to be located in one facility





# U. T. Permian Basin

## TRB for Engineering Building (cont.)




- Estimated Total Project Cost \$60,000,000
  - 80,000 gross sq. ft.; 48,000 assignable net sq. ft.
- Total Project Cost at estimated 2014 (start date) price - \$750 per sq. ft.
- Total Project Cost Comparison to recent similar U. T. System new construction projects

Title	Campus	Substantial Completion	Total Project Cost	Total Project Cost/Gsf (adjusted to 2012)
Estuarine Research Ctr	Austin	July 2011	\$21,342,300	\$639
Physical Sciences Core	El Paso	Dec 2011	\$69,309,100	\$523
Applied Engineering & Tech	San Antonio	Aug 2009	\$82,500,000	\$629



# U. T. Permian Basin TRB for Engineering Building (cont.)

The Engineering Building will consolidate engineering programs on one campus.

	EXISTING BUILDINGS
	PROPOSED NEAR-TERM BUILDING SITES
	PROPOSED LONG-TERM BUILDING SITES



# U. T. San Antonio

## Proposal for Experimental Science Instructional Building

Presented by Dr. Ricardo Romo  
President



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# U. T. San Antonio

## Experimental Science Instructional Building

- New 150,000 GSF science building
- State of the art teaching labs critical for STEM education and repurposing of 37 year old existing science building.
- THECB Highest Possible Space Usage Score: Class - 100 / Class Labs - 100



# U. T. San Antonio

## Experimental Science Instructional Building (cont.)

- Total Project Cost: \$92,750,000

Space Type	Budget (Millions)	Area (GSF)	Area (ASF)	Total Project Cost Per GSF	Total Project Cost Per ASF	Historical Cost Average Per GSF UT System*
Classroom	\$14.43	37,500	22,500	385	641	421
Laboratories**	\$61.60	75,000	45,000	821	1369	899
Office	\$16.72	37,500	22,500	446	743	488
Total	\$92.75					

\*OFPC Historical Project Cost Information dated April 1, 2009 plus 5% escalation per year for 6 years

\*\*Based upon Laboratory BSL 1-3



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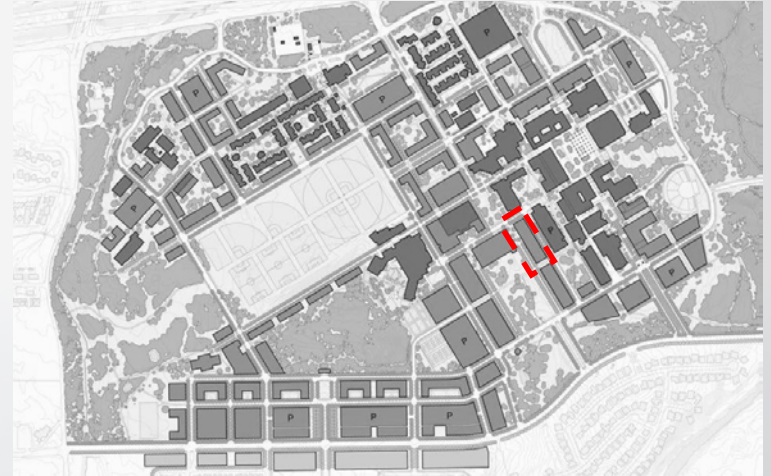
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# U. T. San Antonio Experimental Science Instructional Building (cont.)



*UTSA Main Campus*



*UTSA Main Campus Master Plan*



# U. T. Tyler

Proposed

STEM and Business Complex/Renovation of  
Business Building

Presented by President Rod Mabry



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# U. T. Tyler

## STEM and Business Complex/Renovation of Business Building

- 138,000 GSF and 96,600 ASF teaching, research and faculty office space
  - Addition = classroom & labs supporting technology, business and sciences - need classrooms holding 75 to 200 for more efficiency
  - Renovation = convert small classrooms into offices and research spaces for best use of existing shapes



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# U. T. Tyler

## STEM and Business Complex/Renovation of Business Building (cont.)

- New Home to Two Colleges –
  - Business & Technology and Arts & Sciences
  - Currently share worn-out, linear building that is too small to handle burgeoning growth
    - Increase growth immediately
    - Increase research capability



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# U. T. Tyler

## STEM and Business Complex/Renovation of Business Building (cont.)

- New home to "University of Tomorrow," a UT Tyler division supporting 10 new on-line degree programs and more than 100 hybrid courses



# U. T. Tyler

## STEM and Business Complex/Renovation of Business Building (cont.)

- Total Project Cost \$48,500,000
- 138,000 gross square feet (GSF)
- 96,600 assignable square feet (ASF)
- \$351 per square foot



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# U. T. Tyler

1. STEM-Business Complex
2. Vacant Land near Patriot and Varsity
3. Vacant Land near Lake Dr. and University
4. Music Building expansion

