U. T. Arlington

Proposal for the
Life Science Building & Animal Research Facility

Presented by James D. Spaniolo
President
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

<table>
<thead>
<tr>
<th></th>
<th>Existing Building</th>
<th>Animal Research Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Project Cost</td>
<td>GSF</td>
</tr>
<tr>
<td>Renovation</td>
<td>$69,300,000</td>
<td>210,612</td>
</tr>
<tr>
<td>New</td>
<td>$22,000,000</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>$91,300,000</td>
<td></td>
</tr>
</tbody>
</table>

*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)

<table>
<thead>
<tr>
<th>Building Type</th>
<th>2005</th>
<th>2012</th>
<th>Projected 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>1,003,678</td>
<td>1,399,666</td>
<td>1,909,807</td>
</tr>
</tbody>
</table>

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
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.
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**

<table>
<thead>
<tr>
<th>Cost Breakdown</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>EERC new construction</td>
<td>$256,257,846</td>
</tr>
<tr>
<td>Demolition, sitework and swing space</td>
<td>$24,742,154</td>
</tr>
<tr>
<td>ECJ Renovation</td>
<td>$8,400,000</td>
</tr>
<tr>
<td>Network Operations Center</td>
<td>$17,000,000</td>
</tr>
<tr>
<td>Material Transfer Center – new construction</td>
<td>$3,600,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$310,000,000</strong></td>
</tr>
</tbody>
</table>
U. T. Austin
Engineering Education and Research Center (cont.)

• Funding Breakdown, per TRB request

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition Revenue Bond Request</td>
<td>$ 95,000,000</td>
</tr>
<tr>
<td>Permanent University Fund</td>
<td>$ 105,000,000</td>
</tr>
<tr>
<td>Other Local Funds</td>
<td>$ 5,000,000</td>
</tr>
<tr>
<td>Gifts/Donations</td>
<td>$ 105,000,000</td>
</tr>
<tr>
<td>Total</td>
<td>$ 310,000,000</td>
</tr>
</tbody>
</table>
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
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

<table>
<thead>
<tr>
<th>Space Type</th>
<th>Budget (Millions)</th>
<th>Area (GSF)</th>
<th>Cost (SF)</th>
<th>Historical Average Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>UT System*</td>
</tr>
<tr>
<td>General Classroom</td>
<td>$ 71.72</td>
<td>260,808</td>
<td>$275</td>
<td>$374</td>
</tr>
<tr>
<td>Library and Information Technology</td>
<td>32.99</td>
<td>119,949</td>
<td>275</td>
<td>374</td>
</tr>
<tr>
<td>Administrative and Student Support</td>
<td>35.23</td>
<td>128,086</td>
<td>275</td>
<td>374</td>
</tr>
<tr>
<td>Support Space</td>
<td>11.71</td>
<td>37,631</td>
<td>311</td>
<td>374</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$151.65</strong></td>
<td><strong>546,474</strong></td>
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</table>
U. T. Brownsville
Construction of the New UTB Campus (cont.)

• Reviewing proposals for permanent site for campus of the 21st 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
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

<table>
<thead>
<tr>
<th>Building</th>
<th>Total Project Cost</th>
<th>GSF</th>
<th>Cost/GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Building</td>
<td>$95,000,000</td>
<td>218,000</td>
<td>$435</td>
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</tbody>
</table>
U. T. El Paso

Proposal for the
Interdisciplinary Research Facility

Presented by Diana Natalicio
President
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
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

<table>
<thead>
<tr>
<th></th>
<th>Total Project Cost*</th>
<th>GSF</th>
<th>Cost/GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>General/Lab</td>
<td>$98,000,000</td>
<td>162,600</td>
<td>$491*</td>
</tr>
</tbody>
</table>

* Cost/GSF is based on Construction Cost ($79.8M)
U. T. Pan American
New Science Building
U. T. Permian Basin

Proposal for Tuition Revenue Bond Funding for an Engineering Building

Presented by W. David Watts
President
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

<table>
<thead>
<tr>
<th>Title</th>
<th>Campus</th>
<th>Completion</th>
<th>Project Cost</th>
<th>Cost/Gsf (adjusted to 2012)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estuarine Research Ctr</td>
<td>Austin</td>
<td>July 2011</td>
<td>$21,342,300</td>
<td>$639</td>
</tr>
<tr>
<td>Physical Sciences Core</td>
<td>El Paso</td>
<td>Dec 2011</td>
<td>$69,309,100</td>
<td>$523</td>
</tr>
<tr>
<td>Applied Engineering &amp; Tech</td>
<td>San Antonio</td>
<td>Aug 2009</td>
<td>$82,500,000</td>
<td>$629</td>
</tr>
</tbody>
</table>
The Engineering Building will consolidate engineering programs on one campus.
U. T. San Antonio

Proposal for
Experimental Science Instructional Building

Presented by Dr. Ricardo Romo
President
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

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

*OFPC Historical Project Cost Information dated April 1, 2009 plus 5% escalation per year for 6 years
**Based upon Laboratory BSL 1-3
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
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
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
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
1. STEM-Business Complex
2. Vacant Land near Patriot and Varsity
3. Vacant Land near Lake Dr. and University
4. Music Building expansion