Agenda Items

Joint Academic Affairs Committee and Facilities Planning and Construction Committee
U. T. System Board of Regents’ Meeting
July 2014

U. T. Arlington

Proposal for the Science and Engineering Innovation and Research Building

Presented by Dr. Vistasp M. Karbhari
President
U. T. Arlington
Science and Engineering Innovation and Research Building

- Renovate circa 1970 Life Science Building (LSB) 220,612 GSF
- New Science and Engineering Innovation and Research Building (SEIR) 210,000 GSF
- U. T. System Task Force / Double Engineering Grads by 2020
- SEIR: Bioengineering, Architectural Engineering, Engineering Management, Biology, Chemistry, Resource Engineering, and Health Science
- LSB – High Utilization, over 9,500 Student Contact Hours/Semester
- LSB – Addresses $5 Million Deferred Maintenance and Code Deficiencies
- Increases Enrollment and National Standing for Science and Engineering

U. T. Arlington
Science and Engineering Innovation and Research Building (cont.)

- TPC: $211M ($486 per GSF avg. New and Renovation)
- Renovation LSB: 210,612 GSF $68,000,000
- Minor addition @ LSB: 13,800 GSF $5,000,000
- New Construction: SEIR 210,000 GSF $138,000,000
- TRB Funds: $190M
- RFS Funds: $21M
U. T. Arlington
Science and Engineering Innovation and Research Building (cont.)

U. T. Arlington
Proposal for the College of Nursing and Allied Health Professions Academic and Research Building
Presented by Dr. Vistasp M. Karbhari
President
U. T. Arlington 
College of Nursing and Allied Health Professions 
Academic and Research Building 

- 200,000 GSF, Designed for LEED certification 
- Multi-disciplinary Research, Development, and Training Facility 
- Supports both Nursing and Kinesiology Programs 
- U. T. Arlington produces more nursing students than any other school in Texas 
- College of Nursing enrollment will double within five years of completion 
- Kinesiology Research Programs will increase 300% to 400% with the new facility 

Total Project Cost : $110,000,000 
TRB $99,000,000 and RFS Bond Proceeds $11,000,000 
$550 per GSF with allowance for technology items 
New, larger Smart Hospital: expand program offerings, improve access, and provide over one-half of clinical hour requirements (900 hours) 
Large auditorium, lecture halls, and classrooms equipped with state-of-the-art equipment for synchronous distance delivery
U. T. Arlington
College of Nursing and Allied Health Professions
Academic and Research Building (cont.)

U. T. Austin
Proposal for the
Robert A. Welch Hall Renovation

Presented by William Powers, Jr.
President
U. T. Austin
Robert A. Welch Hall Renovation

Renovation of 312,000 GSF

- Part of the College of Natural Sciences Strategic Plan and the Space Master Plan
- College’s strategic goals require reliable facilities that can support state-of-the-art research and teaching
- Building suffers from a long list of problems that limit faculty recruitment and retention, teaching, and research
- Helps transform the College into a multidisciplinary program-based college
- Provides improved space utilization to accommodate program growth projections that would otherwise require new construction

Total Project Cost of $125,000,000 with funding of:

- $100,000,000 from Tuition Revenue Bond Proceeds
- $ 25,000,000 from Unexpended Plant Funds - Cash Reserves
U. T. Austin
McCombs School of Business Renovation

Renovation of 384,000 GSF

- Part of the McCombs School of Business Strategic Facilities Master Plan
- Renovates an older building constructed in 1962, plus a 1975 addition
- Provides modern classrooms and support services for undergraduates
- Increases the school’s standing among peer institutions
- Allows an increase in undergraduate enrollment, provides space for additional faculty, adds team-based learning spaces and modernizes building systems to correct potential failure risks and bring the building up to current code

Graduate program will move to a new building in 2017, creating an opportunity for a sequenced renovation of the existing McCombs space

Total Project Cost of $170,000,000 with funding of:
- $105,000,000 from Tuition Revenue Bond Proceeds
- $ 40,000,000 from Gifts
- $ 25,000,000 from Unexpended Plant Funds - Cash Reserves
U. T. Austin
McCombs School of Business Renovation (cont.)

U. T. Dallas
Proposal for the Engineering Building

Presented by Dr. David E. Daniel
President
U. T. Dallas Engineering Building

- 200,000 GSF of classrooms, laboratories, offices and support space for academic programs in the engineering disciplines
- Engineering enrollment increased from 3,173 students in Fall 2010 to a projected enrollment of 5,350 students in Fall 2014
- During the same period, degree production increased by 46%
- Building will accommodate growth for 2,000 additional students and 67 additional faculty members
- Project aligns with U. T. Dallas’ long-term strategic plan and Campus Master Plan
- Space Usage Efficiency (SUE) = 200

U. T. Dallas Engineering Building (cont.)

- Total Project Cost: $110,000,000
  - $99,000,000 TRB and $11,000,000 RFS

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<tr>
<th>Building</th>
<th>Total Project Cost</th>
<th>GSF</th>
<th>Cost/GSF</th>
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U. T. Dallas
Engineering Building
(cont.)

Proposed Engineering Building Site

U. T. Dallas
Proposal for the Science Building

Presented by Dr. David E. Daniel
President
U. T. Dallas
Science Building

- 175,000 GSF of classrooms, laboratories, office space, and support space primarily for Mathematics, Physics, and the UTeach Program
- Space will improve student success in two gateway disciplines to all STEM programs
- Building will accommodate growth for 1,750 additional students and 70 additional faculty members
- Project is aligned with U.T. Dallas’ long-term strategic plan and campus master plan
- Space Usage Efficiency (SUE) = 200

U. T. Dallas
Science Building (cont.)

- Total Project Cost: $95,000,000
  – $95,000,000 TRB

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U. T. Dallas Science Building (cont.)

Proposed Science Building Site

U. T. El Paso

Proposal for the Interdisciplinary Research Facility (Barry/Burges Hall Replacement)

Presented by Dr. Diana Natalicio
President
U. T. El Paso
Interdisciplinary Research Facility

- Six-story, 293,000 square foot building
- Provides critically needed research, research support, and teaching space
- Alleviates space deficit of 685,501 square feet

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

- Total Project Cost: $130 million
  - $110 million construction cost, $375 per GSF
  - $20 million demolition, asbestos abatement, thermal plant expansion, roadways, and pedestrian circulation
- Funding Sources
  - $117 million in Tuition Revenue Bonds
  - $13 million in Institutional Match
U. T. El Paso
Interdisciplinary Research Facility (cont.)

U. T. El Paso
Proposal for the
College of Business Administration Complex

Presented by Dr. Diana Natalicio
President
U. T. El Paso
College of Business Administration Complex

- 215,000 square foot building
- Aligns with the Campus Master Plan for north campus
- Consolidates undergraduate and graduate programs in one facility, eliminating the need for off-campus space lease
- Alleviates overall space deficit of 685,501 square feet

U. T. El Paso
College of Business Administration Complex (cont.)

- Total Project Cost: $105 Million
  - $91.2 million construction cost, $366 per GSF
  - $10 million construction cost for parking facility, $55 per GSF
  - $3.8 million infrastructure improvements, underground improvements, and thermal plant enhancement
- Sources of Funding
  - $94.5 million in Tuition Revenue Bonds
  - $10.5 million in Institutional Match
U. T. El Paso
College of Business Administration Complex (cont.)

U. T. Permian Basin
Proposal for
School of Engineering Building

Presented by Dr. W. David Watts
President
U. T. Permian Basin
School of Engineering Building

• 80,000 gross square foot, 48,000 net assignable square foot for August 2018 occupancy – Tuition Revenue Bond funding
• Continued growth of Petroleum and Mechanical Engineering programs is key to serving the West Texas energy industry
• Allows consolidation on one campus, more efficient operations and improved laboratory, and student success and service spaces

U. T. Permian Basin
School of Engineering Building (cont.)

• Total Project Cost $60 million - $750 per GSF
• Annual debt service of $5.32 million assuming 6% interest for 20 years
• Cost comparison to most recent UTPB classroom project – Science & Tech Building – opened Fall 2011 - $500 per GSF
• Potential private funding from donors of $6 to $8 million
U. T. Permian Basin
School of Engineering Building (cont.)

2012 Campus Master Plan

U. T. Permian Basin
Proposal for
Kinesiology and Athletic Complex

Presented by Dr. W. David Watts
President
U. T. Permian Basin
Kinesiology and Athletic Complex

- 42,500 GSF, 34,000 net for August 2016 occupancy - Tuition Revenue Bond funding
- Provides improved academic and lab space for Kinesiology and Athletic Training programs
- Locker room space for all outdoor athletic programs
- Supports programs in which there is significant enrollment growth

U. T. Permian Basin
Kinesiology and Athletic Complex (cont.)

- Total Project Cost $8,450,600 million - $200 per GSF
- Assumes private funding of $2.2 million as part of the Board-approved football initiative
- Annual debt service of $545,000 assuming 6% interest for 20 years on debt of $6.25 million
U. T. Permian Basin
Kinesiology and Athletic Complex (cont.)

U. T. Rio Grande Valley

Proposed Facilities

Brownsville: 1) Multipurpose Academic Center
2) Fine Arts and Classrooms Building
3) Student Success and Administrative Building

Edinburg: 1) Interdisciplinary Engineering and Academic Studies Building

Presented by Dr. Guy Bailey
President
U. T. Rio Grande Valley (cont.)

- Address space deficit and enrollment growth
- Replace space currently leased (Brownsville)
- SUE overall scores: Edinburg 183, Brownsville 184 (Fall 2013)
- Matching funds (Edinburg): RFS Debt, Gifts
- Total cost $205.7 million; TRB request $198.2 million

U. T. Rio Grande Valley
Multipurpose Academic Center

- Classrooms for science disciplines (132,527 GSF)
- General purpose classrooms (45,000 GSF)

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<th>Campus</th>
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<th>TRB Request</th>
<th>GSF</th>
<th>Cost /GSF</th>
<th>Assignable SF</th>
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U. T. Rio Grande Valley
Fine Arts and Classrooms Building

- Classrooms for music education (125,174 GSF)
- General purpose classrooms (30,000 GSF)

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U. T. Rio Grande Valley
Student Success and Administrative Building

- Administrative services space (154,282 GSF)
- Student support and collaborative areas (27,433 GSF)

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<th>Cost /GSF</th>
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U. T. Rio Grande Valley Brownsville Campus

Priority 1: Multipurpose Academic Center
Priority 2: Fine Arts and Classrooms Building
Priority 3: Student Success and Administrative Building
TP: Thermal Plant

U. T. Rio Grande Valley Interdisciplinary Engineering and Academic Studies Building

- 250-seat lecture auditorium, 150-seat lecture halls, 60-seat classrooms, faculty offices, and outdoor study space/pavilion
- Interdisciplinary space to enhance instruction, research collaborations and support engineering core

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<th>TRB Request</th>
<th>GSF</th>
<th>Cost /GSF</th>
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U. T. Rio Grande Valley
Edinburg Campus

Priority 1: Interdisciplinary Engineering and Academic Studies Building

U. T. San Antonio
Proposal for the Instructional Science and Engineering Building

Presented by Dr. Ricardo Romo
President
U. T. San Antonio
Instructional Science and Engineering Building

- New 175,000 GSF/105,000 ASF science and engineering building with 21st century state-of-the-art instructional and research labs for physical sciences and engineering as well as classrooms and faculty offices
- New class labs and classrooms critical for undergraduate instruction
  - Improve graduation rates and increase undergraduate enrollment
  - Replace existing 39 year old class labs
- 2013 THECB Space Usage Score
  - Class: 100 – Highest possible score
  - Class Lab: 92 - 22.6% above standard

U. T. San Antonio
Instructional Science and Engineering Building (cont.)

- Total Project Cost: $115,000,000

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<th>Area (GSF)</th>
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<th>Total Project Cost/ASF</th>
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Source of Funds | Amount
--- | ---
Tuition Revenue Bonds | $95,000,000
Institutional Unexpended Plant Funds | $20,000,000
U. T. San Antonio
Instructional Science and Engineering Building (cont.)

UTSA Main Campus - Existing

UTSA Main Campus - Master Plan

U. T. San Antonio
Proposal for the Peter T. Flawn Building
Renovations and Adaptive Reuse

Presented by Dr. Ricardo Romo
President
U. T. San Antonio  
Peter T. Flawn Building Renovations and Adaptive Reuse

- Renovations and reuse of the 185,362 GSF Flawn Building to transform obsolete laboratories into 21st century classroom spaces
- New classrooms critical for undergraduate instruction
  - Improve graduation rates and increase undergraduate enrollment
  - Address $22 Million of Capital Renewal Needs in 39 year old facility
- 2013 THECB Space Usage Score
  - Class: 100 – Highest possible score

U. T. San Antonio  
Peter T. Flawn Building Renovations and Adaptive Reuse (cont.)

- Total Project Cost: $42,500,000

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<th>Area (ASF)</th>
<th>Total Project Cost/GSF</th>
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<td>112,555</td>
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Source of Funds     Amount
Tuition Revenue Bonds     $42,500,000
U. T. San Antonio
Peter T. Flawn Building Renovations and Adaptive Reuse (cont.)

U. T. Tyler
Proposal for the STEM Building

Presented by Dr. Rodney H. Mabry
President
U. T. Tyler
STEM Building

- 104,700 GSF STEM addition
- 50,000 GSF renovation of existing Business Building
- Highest strategic priority in overall University plan
- Space utilization efficiency score 150
- Space deficit 227,322 sq. ft.

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<th>Renovation</th>
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<tr>
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<td>Total</td>
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U. T. Tyler
STEM Building (cont.)

- $76,000,000 Total Project Cost from TRB
U. T. Tyler
STEM Building (cont.)

- Business/Arts & Sciences Bldg.
- Proposed Addition
- Robert R. Muntz Library