



Agenda Items
Meeting
of the
Board of Regents

November 10, 2016



AGENDA ITEMS
MEETING OF THE BOARD OF REGENTS
THE TEXAS A&M UNIVERSITY SYSTEM
November 10, 2016
College Station, Texas

1. COMMITTEE ON FINANCE

- 1.1 Approval of FY 2018 Operating Budget Guidelines, A&M System

2. COMMITTEE ON AUDIT

3. COMMITTEE ON BUILDINGS AND PHYSICAL PLANT

- 3.1 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the West Campus Support Building Project, Texas A&M University, College Station, Texas (Project No. 02-3177), A&M System
- 3.2 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Biocontainment Research Facility Project, Texas A&M University, College Station, Texas (Project No. 02-3205), A&M System
- 3.3 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the HVAC Replacement at Mosher Hall Project, Texas A&M University, College Station, Texas (Project No. 02-3213), A&M System
- 3.4 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Addition of Instructional and Support Spaces Project, Texas A&M International University, Laredo, Texas (Project No. 16-3206), A&M System
- 3.5 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Nursing and Health Sciences Building Project, Texas A&M University-Commerce, Commerce, Texas (Project No. 21-3186), A&M System
- 3.6 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Medical Research and Education Building 2 Project, Texas A&M University Health Science Center, Bryan, Texas (Project No. 23-3203), A&M System
- 3.7 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Multipurpose Building 3 Project, Texas A&M University-Central Texas, Killeen, Texas (Project No. 24-3194), A&M System

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

- 3.8 Approval of the Project Scope and Budget, Appropriation for Pre-Construction and Construction Services, and Approval for Construction for the New Campus Electrical Substation and Capacity Upgrade Project, Texas A&M University, College Station, Texas (Project No. 7-2015), Texas A&M
- 3.9 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval of Construction for The Gardens at Texas A&M University Project, Texas A&M University, College Station, Texas (Project No. 2014-04482), Texas A&M
- 3.10 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Waterfront Events Pavilion Project, Texas A&M University at Galveston, Galveston, Texas (Project No. 10-5391), Texas A&M

Report

Report of System Construction Projects Authorized by the Board

- 4. COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS
- 5. THE TEXAS A&M UNIVERSITY SYSTEM BOARD OF REGENTS (*not assigned to Committee*)
 - 5.1 *Approval of The Texas A&M University System 2016-2021 Strategic Plan, A&M System
 - 5.11 Adoption of a Resolution Honoring Dennis L. Christiansen, Ph.D., P.E., for His Outstanding Dedication and Service as Agency Director of the Texas A&M Transportation Institute, A&M System

Executive Session Items

- 5.2 *Authorization to Lease up to 95,000 Square Feet of Office and Warehouse Space in the Northpointe Business Park Located in Bryan, Brazos County, Texas, A&M System
- 5.3 *Authorization to Execute a First Amendment to Ground Lease in Support of the Fixed Based Operations Operating Agreement and Airport Operations Management Agreement Covering Airport Operations at Easterwood Airport, A&M System
- 5.4 *Authorization to Execute a Lease of Land on the Campus of Texas A&M International University for Construction of a Tennis Complex, TAMIU
- 5.5 *Authorization to Sell the Land and Improvements Located at 102 Childs Street in Center, Shelby County, Texas, TVMDL
- 5.6 *Authorization to Purchase Land and Improvements in Galveston County, Texas, Texas A&M
- 5.7 *Authorization for the President to Negotiate and Execute a New Employment Contract with the Head Men's and Women's Track and Field Coach, Texas A&M

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

- 5.8 Appointment of President of Texas A&M International University, A&M System
- 5.9 Appointment of President of Texas A&M University-Commerce, A&M System
- 5.10 *Naming of Sole Finalist for Agency Director of Texas A&M Transportation Institute, A&M System

6. CONSENT AGENDA ITEMS

The Texas A&M University System/Board of Regents

- 6.1 Approval of Minutes, BOR
- 6.2 Granting of the Title of Emeritus/Emerita, November 2016
- 6.3 Confirmation of Appointment and Commissioning of Peace Officers
- 6.4 Designation of the *Regents Professor Awards* and the *Regents Fellow Service Awards* for Exemplary Performance and Professional Service During Fiscal Year 2015-16
- 6.5 Approval of Revisions to System Policy *10.01, Internal Auditing*
- 6.6 Approval of Revisions to System Policy *10.02, Control of Fraud, Waste and Abuse*
- 6.7 Approval of Revisions to System Policy *25.01, Use and Operation of System Aircraft*
- 6.8 Approval of Revisions to System Policy *25.06, Participation by Historically Underutilized Business*
- 6.9 Approval of Revisions to System Policy *27.04, Budget Authorizations, Limitations, and Delegations of Authority*
- 6.10 Approval of Revisions to System Policy *51.06, Naming of Buildings and Other Entities*

Texas A&M International University

- 6.11 Granting of Faculty Development Leave for FY 2017

Texas A&M University

- 6.12 Approval of Academic Tenure, November 2016
- 6.13 Establishment of the Center for Translation of Healthcare Technologies (*also listed under Texas A&M Engineering Experiment Station*)

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

- 6.14 Establishment of the Advanced Scientific Computing Center *(also listed under Texas A&M Engineering Experiment Station)*
- 6.15 Establishment of the Center for Population Health and Aging
- 6.16 Approval of a New Master of Science in Nursing Degree Program with a Major in Forensic Nursing, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.17 Approval of a New Master's Degree in Physician Assistant Studies, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.18 Approval of a New Bachelor of Science Degree Program with a Major in Oceanography and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.19 *Naming of Areas within The Gardens
- 6.20 *Naming of the Parsons Mounted Calvary Headquarters Facility

Texas A&M University-Commerce

- 6.21 Approval of Academic Tenure, November 2016
- 6.22 Establishment of the Biomedical Institute for Regenerative Research

Texas A&M University-Kingsville

- 6.23 Approval of Academic Tenure, November 2016
- 6.24 Authorization to Establish Three Quasi-Endowments

Texas A&M University-Texarkana

- 6.25 Approval of a New Master of Science in Accounting Degree Program, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

Texas A&M AgriLife Extension Service

- 6.26 Approval of 2017 Stiles Farm Foundation Budget, AgriLife Extension

Texas A&M Engineering Experiment Station

6.13 Establishment of the Center for Translation of Healthcare Technologies *(also listed under Texas A&M University)*

6.14 Establishment of the Advanced Scientific Computing Center *(also listed under Texas A&M University)*

A&M System	The Texas A&M University System
A&M-Central Texas	Texas A&M University-Central Texas
A&M-Commerce	Texas A&M University-Commerce
A&M-Corpus Christi	Texas A&M University-Corpus Christi
A&M-San Antonio	Texas A&M University-San Antonio
A/E.....	Architect/Engineer
AgriLife Extension.....	Texas A&M AgriLife Extension Service
AgriLife Research	Texas A&M AgriLife Research
BOR	Board of Regents
FP&C.....	Facilities Planning and Construction
NCTM	National Center for Therapeutics Manufacturing
POR.....	Program of Requirements
PUF	Permanent University Fund
PVAMU	Prairie View A&M University
RFS.....	Revenue Financing System
TAMHSC	Texas A&M Health Science Center
TAMIU	Texas A&M International University
TAMUG	Texas A&M University at Galveston
TAMUT	Texas A&M University-Texarkana
Tarleton.....	Tarleton State University
TEES.....	Texas A&M Engineering Experiment Station
TEEX.....	Texas A&M Engineering Extension Service
Texas A&M at Qatar.....	Texas A&M University at Qatar
Texas A&M	Texas A&M University
Texas A&M-Kingsville.....	Texas A&M University-Kingsville
TFS.....	Texas A&M Forest Service
THECB.....	Texas Higher Education Coordinating Board
TIGM.....	Texas A&M Institute for Genomic Medicine
TIPS.....	Texas A&M Institute for Preclinical Studies
TTI.....	Texas A&M Transportation Institute
TVMDL.....	Texas A&M Veterinary Medical Diagnostic Laboratory
UTIMCO.....	The University of Texas Investment Management Company
WTAMU.....	West Texas A&M University

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Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of FY 2018 Operating Budget Guidelines

Proposed Board Action:

Approve FY 2018 operating budget guidelines per System Policy [27.03, Annual Operating Budget Process](#).

Background Information:

System Policy 27.03 states that the Board shall approve annually, upon the recommendation of the chancellor, guidelines for the preparation of annual operating budgets for the system.

A&M System Funding or Other Financial Implications:

Not applicable.

Agenda Item No.

SYSTEM OFFICES

Office of the Executive Vice Chancellor and Chief Financial Officer

October 3, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of FY 2018 Operating Budget Guidelines

I recommend adoption of the following minute order:

“The Texas A&M University System guidelines for the FY 2018 operating budget, as shown in the attached exhibit, are hereby adopted.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

The Texas A&M University System
FY 2018 Operating Budget Guidelines

The Texas A&M University System (A&M System) is committed to serving the citizens of the state of Texas and understands that the valuable, but limited, resources provided to us must be utilized in the most efficient and effective manner and, as always, with the benefit of the state taxpayers foremost on our minds. The A&M System will continue to act as good stewards of the state of Texas' limited resources and will ensure the benefit to the state taxpayer is considered in every academic, research and service activity performed.

The A&M System remains focused on keeping the cost of attending our universities affordable, expanding student access, improving existing programs, developing new programs to meet new demands, expanding research and commercialization capabilities and implementing operational efficiencies through shared services, strategic outsourcing and other opportunities. Careful consideration must be given to maintaining the proper balance between tuition and fee increases and financial aid, and the effects these have on student access. The imperative of excellence in all we do and the reality of resource limitations in the state of Texas increase the difficulty of meeting these challenges and dictate that we devote our collective skills to ensuring that the productivity of all A&M System resources is optimized.

In preparation for the upcoming FY 2018 budget process, we will remain focused on keeping administrative costs low through the continued improvement of operational efficiencies. In addition, budget recommendations shall be prepared within the estimated funds available and reserve balances should only be used in special one-time situations or where a definite plan provides justification of a limited use of such balances. In self-supporting activities, total funds budgeted shall not exceed realistic estimates of income and balances brought forward. It is expected that government and private contracts will finance their proportionate share of increases being recommended. Recommendations for other operating expenses should be based upon careful estimates of actual needs, taking into account every possibility for savings. Every effort should be made to ensure that we are taking advantage of cost savings opportunities and reducing expenditures wherever possible. In addition, all budgetary projections should include provisions to accommodate items subject to possible inflationary increases during the course of this operating year.

Chief Executive Officers are authorized to begin the process of preparing the FY 2018 operating budgets within the limits of available resources. The System Office of Budgets and Accounting will provide detailed instructions to be used in the support of each phase of the review and approval process for the Chancellor and Board of Regents.

FY 2018 Budget Calendar

2016

November Budget guidelines and budget calendar presented to the Board for approval

2017

January 10th 85th Regular Session begins

February FY 2017 budget update provided to the Board

May 29th ‘Sine Die,’ 85th Regular Session

June Preliminary budgets submitted to the System Office of Budgets and Accounting for review

July/August Programmatic Budget Reviews

August FY 2018 Budget presented to the Board for approval

Request approval of full-time equivalent (FTE) employment levels and service department agenda items

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the West Campus Support Building Project, Texas A&M University, College Station, Texas (Project No. 02-3177)

Background and Prior Actions:

The West Campus Support Building Project was included as an approved project on the FY 2016 — FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$17,000,000 for construction services and related project costs, and revert previous appropriations to the source account.
- (3) Approve construction of the West Campus Support Building Project at Texas A&M University (Texas A&M).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	<u>\$17,000,000</u>	\$1,218,270	Housing Revenue
Total Project Funds	<u><u>\$17,000,000</u></u>		

Project Justification:

Texas A&M University is currently in the process of planning and constructing a new West Campus-Housing District. The first phase is an apartment style housing that houses 1,266 students. The district is to be developed in phases, housing up to as many as 4,000 students in the future.

This west campus community is being developed on approximately 40 acres along Raymond Stotzer Parkway and Discovery Drive and is the first to be developed on the west side of campus.

To assure success and meet the anticipated demand, the West Campus Housing District will require a variety of support facilities to be built in close proximity serving the residential student needs, including residence life support space, academic and student support space, social gathering space and a dining facility. The new West Campus Support Building will provide these necessary services for the residential students as well as the broader west campus community.

Scope:

The Residence Life and Food Service components of the program have been combined to provide efficiencies and together are envisioned to become the “Social Heart” of the West Campus Housing District. With approximately 1,266 students living in the district, a place for meeting, dining, studying and socializing will be critical to the success of this residential community. The West Campus Support Building Project will be designed to serve this number of students initially, but is planned so that expansion of the building can occur seamlessly for a future residential population of 4,000.

The West Campus Support Building Project is envisioned to be a pleasant, inviting, and stimulating environment that welcomes students and contributes to their success, a place that is upbeat, dynamic, energetic, and visually open and a destination that gathers students to eat, socialize, and study together, strengthening the social fabric of the campus.

The Residence Life program elements include Residence Life offices, student support spaces, social lounge spaces, and student recreation spaces. A significant part of the building program includes a 3,000 square foot (SF) community learning center, a 2,132 SF game room and a 1,560 SF multipurpose room.

The Dining and Food Service program includes a “Marketplace” style dining facility to accommodate 200 seats in a variety of configurations. The program also calls for the dining space to be shared, after dining hours, with Residence Life programs. All of the dining and kitchen components are designed to Texas A&M’s food service provider’s (Chartwells) standards.

A site master plan has been developed for the West Campus Housing Community to guide the multi-phased development, and identifies the preferred site configuration for the West Campus Support Building Project in the southern quadrant of the 40-acre site, along a formal axis (West Campus Blvd.) for east/west connectivity. The proximity of the Support Building to the housing district and its planned density of development make it well suited to the goal of fostering a walkable, pedestrian friendly environment. Site development includes utility infrastructure, sidewalks and other paving, and landscaping. No additional parking is provided. The sustainable goal for this project is Leadership in Energy and Environmental Design (LEED) Silver.

Construction on this project is scheduled to start in November 2016 with substantial completion scheduled for November 2017. The total project budget is \$17,000,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the West Campus Support Building Project, Texas A&M University, College Station, Texas (Project No. 02-3177)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$17,000,000 for the West Campus Support Building Project is approved.

The amount of \$17,000,000 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds, (Housing Revenue), for construction services and related project costs. The amount of \$1,700,000 is reverted to Account No. 02-808817, Reserve-Housing Capital Projects.

The West Campus Support Building Project, Texas A&M University, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

John Sharp
Chancellor

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

Michael K. Young, President
Texas A&M University

WEST CAMPUS SUPPORT BUILDING
TEXAS A&M UNIVERSITY
PROJECT NO. 02-3177

PROJECT BUDGET

1.	Amount Available for Construction Contract	\$13,800,000
2.	Architectural/Engineering Fees	1,073,559
3.	SSC/Physical Plant Services	5,000
4.	Data/Telecommunications	445,500
5.	Miscellaneous Fees	13,741
6.	Owner Supplied Insurance	6,200
7.	Security System	35,000
8.	Testing and Air Balancing	77,500
9.	Construction Testing	138,000
10.	Envelope Testing	25,200
11.	A/V Equipment & Installation	51,400
12.	Movable Furnishings	400,000
13.	FP&C Project Management and Inspection Fees	438,900
14.	Owner's Contingency	<u>490,000</u>
15.	TOTAL ESTIMATED COST OF PROJECT	<u>\$17,000,000</u>

**WEST CAMPUS SUPPORT BUILDING
TEXAS A&M UNIVERSITY
PROJECT NO. 02-3177**

PROJECT SCHEDULE

1. BOR Approval to Include in Capital PlanNovember 6, 2014
2. Issue A/E RFQNovember 11, 2014
3. Receive A/E RFQ Responses..... December 16, 2014
4. Shortlist A/E Firms January 7, 2015
5. Interview A/E Shortlist January 21, 2015
6. Design Kick-Off Meeting May 4, 2015
7. Execute AE Agreement May 6, 2015
8. Complete Schematic DesignOctober 1, 2015
9. Complete Design DevelopmentNovember 19, 2015
10. Complete Construction Documents June 14, 2016
11. Advertise for Competitive Sealed Proposals (CSP)July 26, 2016
12. Receive CSPs August 25, 2016
13. CSP Evaluation August 31, 2016
14. Chancellor Approval of CSP Rank Order September 6, 2016
15. BOR Approval for ConstructionNovember 10, 2016
16. Submit THECB ApplicationNovember 18, 2016
17. Execute CSP AgreementNovember 21, 2016
18. Begin ConstructionNovember 23, 2016
19. Substantial CompletionNovember 21, 2017
20. Owner Occupancy January 2018

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
02-3177 West Campus Support Building
Housing Revenue**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	17,170,000.00				
YEAR 1	16,810,000.00	360,000.00	858,500.00	1,218,500.00	1,401,275.00
YEAR 2	16,430,000.00	380,000.00	840,500.00	1,220,500.00	1,403,575.00
YEAR 3	16,035,000.00	395,000.00	821,500.00	1,216,500.00	1,398,975.00
YEAR 4	15,620,000.00	415,000.00	801,750.00	1,216,750.00	1,399,262.50
YEAR 5	15,180,000.00	440,000.00	781,000.00	1,221,000.00	1,404,150.00
YEAR 6	14,720,000.00	460,000.00	759,000.00	1,219,000.00	1,401,850.00
YEAR 7	14,240,000.00	480,000.00	736,000.00	1,216,000.00	1,398,400.00
YEAR 8	13,735,000.00	505,000.00	712,000.00	1,217,000.00	1,399,550.00
YEAR 9	13,205,000.00	530,000.00	686,750.00	1,216,750.00	1,399,262.50
YEAR 10	12,645,000.00	560,000.00	660,250.00	1,220,250.00	1,403,287.50
YEAR 11	12,060,000.00	585,000.00	632,250.00	1,217,250.00	1,399,837.50
YEAR 12	11,445,000.00	615,000.00	603,000.00	1,218,000.00	1,400,700.00
YEAR 13	10,800,000.00	645,000.00	572,250.00	1,217,250.00	1,399,837.50
YEAR 14	10,120,000.00	680,000.00	540,000.00	1,220,000.00	1,403,000.00
YEAR 15	9,410,000.00	710,000.00	506,000.00	1,216,000.00	1,398,400.00
YEAR 16	8,660,000.00	750,000.00	470,500.00	1,220,500.00	1,403,575.00
YEAR 17	7,875,000.00	785,000.00	433,000.00	1,218,000.00	1,400,700.00
YEAR 18	7,050,000.00	825,000.00	393,750.00	1,218,750.00	1,401,562.50
YEAR 19	6,185,000.00	865,000.00	352,500.00	1,217,500.00	1,400,125.00
YEAR 20	5,275,000.00	910,000.00	309,250.00	1,219,250.00	1,402,137.50
YEAR 21	4,320,000.00	955,000.00	263,750.00	1,218,750.00	1,401,562.50
YEAR 22	3,320,000.00	1,000,000.00	216,000.00	1,216,000.00	1,398,400.00
YEAR 23	2,265,000.00	1,055,000.00	166,000.00	1,221,000.00	1,404,150.00
YEAR 24	1,160,000.00	1,105,000.00	113,250.00	1,218,250.00	1,400,987.50
YEAR 25	-	1,160,000.00	58,000.00	1,218,000.00	1,400,700.00
		<u>\$ 17,170,000.00</u>	<u>\$ 13,286,750.00</u>	<u>\$ 30,456,750.00</u>	<u>\$ 35,025,262.50</u>

Estimated issuance costs and rounding of \$170,000 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



West Campus Support Building

Texas A&M University

Project No. 02-3177

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Biocontainment Research Facility Project, Texas A&M University, College Station, Texas (Project No. 02-3205)

Background and Prior Actions:

The Biocontainment Research Facility Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$76,500,000 for construction services and related project costs. \$9,500,000 has been previously appropriated to this project.
- (3) Approve construction of the Biocontainment Research Facility Project at Texas A&M University (Texas A&M).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$75,000,000	\$5,891,312	Tuition Revenue Bonds
Permanent University Fund Debt Proceeds	<u>\$11,000,000</u>	\$ 872,717	Available University Fund
Total Project Funds	<u>\$86,000,000</u>		

Project Justification:

Texas A&M has a critical need for a state-of-the-art containment facility in order to conduct research on infectious agents and diseases in plants, animals, and humans. Not only do we face threats from emerging infectious diseases and antibiotic resistant organisms that occur naturally, but there is also the constant threat of the deliberate release of modified organisms by terrorist

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Agenda Item Briefing

nation states. With only modest scientific capacity, one can create agents with enhanced impact that elude existing detection methods, vaccines or treatments. Research in a biocontainment facility is necessary to understand the mechanisms of action relevant to these zoonotic pathogens; to develop new and innovative methods for monitoring, detecting and preventing the resulting disease; and for treatment and containment during major outbreaks.

Such a facility would significantly expand Texas A&M's infectious disease research and aggressively position Texas A&M faculty-researchers for competitive federal funding. Biosafety Level (BSL) 3 Ag research space is needed to study the effects of high impact pathogens in experimental animals. The ability of the university and The Texas A&M University System (A&M System) to be competitive in this area of research is dependent upon adequate containment facilities at the BSL-3 level, specifically at BSL-3 Ag for large animal research. Texas A&M has the faculty and know-how to perform this vital research, but does not have a facility at BSL-3 Ag in which the laboratory itself must act as the primary barrier to prevent the release of an infectious agent into the environment.

Working together, the components of the A&M System are in a unique position to tackle infectious disease threats to humans and animals. There are numerous current research collaborations between the biomedical, veterinary, engineering, environmental, social, life, and health sciences occurring within the A&M System. These research programs are developing and implementing cutting edge diagnostic technologies, therapeutics, and prevention methods in response to infectious disease threats ranging from bioterrorism to food safety. The merging of these existing research units into a new biocontainment facility will promote a global health focus for the A&M System both organizationally and functionally. This facility will fuel synergistic connections between research and commercialization, in the Texas Biocorridor and beyond, ultimately elevating the university's role as an important driver of economic growth and development in Brazos County, Texas, and the nation. The current ability of individual principal investigators, departments, colleges, and agencies to perform basic and applied research that involves a number of important infectious agents is severely limited. Expansion of large animal infectious disease research will uniquely position Texas A&M faculty-researchers to address these important diseases and allow them to compete for federal funding that is currently out of reach. A BSL-3 Ag biocontainment facility is a driving force for the accelerated funding of biomedical and life sciences research.

In concurrence with our mission and our responsibility to students, this biocontainment facility will offer an unparalleled opportunity to extend and expand the educational programs at the undergraduate, graduate, and post graduate levels. As the world continues to shrink, the global health aspect of the various disciplines will continue to grow more interconnected. This facility will allow Texas A&M to educate and prepare the next generation of public, animal, environmental health, and science professionals to meet these emerging public health challenges.

Scope:

The new Biocontainment Research Facility Project is to be located adjacent to and west of the new Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) building presently under construction on Agronomy Road. The new facility will be designed and constructed as a stand-

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alone building and will be approximately 102,000 gross square feet. It will serve as a much needed system-wide resource and home to specialized research components of the College of Veterinary Medicine and Biomedical Sciences, TVMDL, Office of the State Chemist, Texas A&M University Health Science Center including the College of Medicine, the Texas A&M AgriLife Research including Food Safety Research, Plant Pathology and Microbiology, and the Department of Entomology. As a system level facility, individual colleges and others will share the laboratories in accordance with an overall management plan developed for the facility. This facility will be designed to accommodate Animal Biosafety Level (ABSL) 2, ABSL-3 and BSL-3 Ag research for large to medium sized animals that include horses, cattle, bison, deer, elk, sheep, pigs, and goats. Importantly, an Arthropod Containment Level (ACL) 2 and ACL-3 insectary space will also be included to address mosquito and other vector-borne diseases of high interest locally and globally. Training and education are key components of the facility that will provide both supplemental income for research, and also promote Texas A&M as a high containment training facility of national and international recognition.

Construction on this project is scheduled to start in January 2017 with substantial completion scheduled for March 2019. The total project budget is \$86,000,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Biocontainment Research Facility Project, Texas A&M University, College Station, Texas (Project No. 02-3205)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$86,000,000 for the Biocontainment Research Facility Project is approved.

The amount of \$75,000,000 is appropriated from Account No. 01-083536 Revenue Financing System Debt Proceeds, (TRB), and the amount of \$1,500,000 is appropriated from Account No. 01-084243 Permanent University Fund Debt Proceeds (AUF), for construction services and related project costs.

The Biocontainment Research Facility Project, Texas A&M University, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Michael K. Young, President
Texas A&M University

ATTACHMENT TO ITEM

BIOCONTAINMENT RESEARCH FACILITY TEXAS A&M UNIVERSITY PROJECT NO. 02-3205	PROJECT BUDGET
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1. Amount Available for Construction Contract	\$66,725,000
2. Architectural/Engineering Fees	7,375,000
3. CMAR Pre-Construction Services	190,000
4. SSC/Physical Plant Services	35,000
5. Data	890,000
6. Telecommunications	186,000
7. Commissioning (Cx)	1,431,000
8. Miscellaneous (Safety review, dist. Antenna, ROCIP)	1,243,054
9. Security System	430,000
10. Testing and Air Balancing	270,000
11. Construction Testing	468,000
12. Envelope Testing	45,000
13. Artwork and Graphics	20,000
14. A/V Equipment & Installation	310,000
15. Movable Equipment	680,000
16. Movable Furnishings	238,498
17. FP&C Project Management and Inspection Fees	2,220,000
18. Owner's Contingency	<u>3,243,448</u>
19. TOTAL ESTIMATED COST OF PROJECT	<u>\$86,000,000</u>

**BIOCONTAINMENT RESEARCH FACILITY
TEXAS A&M UNIVERSITY
PROJECT NO. 02-3205**

PROJECT SCHEDULE

1. BOR Approval to Include in Capital Plan September 4, 2015
2. Issue A/E RFQ September 8, 2015
3. Receive A/E RFQ Responses..... September 30, 2015
4. Shortlist A/E FirmsOctober 15, 2015
5. Issue CMAR RFPOctober 21, 2015
6. Interview A/E ShortlistOctober 27, 2015
7. Issue CMAR RFPNovember 11, 2015
8. Receive CMAR RFP ResponseNovember 12, 2015
9. A/E Ranked Order Approved by ChancellorNovember 16, 2015
10. CMAR Ranked Order Approved by Chancellor December 3, 2015
11. Execute A/E Agreement February 4, 2016
12. A/E Design Kick-Off February 24, 2016
13. Execute CMAR Agreement March 22, 2016
14. Complete Schematic Design June 9, 2016
15. Complete Design DevelopmentOctober 20, 2016
16. Receive GMP from CMAROctober 27, 2016
17. BOR Approval for ConstructionNovember 10, 2016
18. Submit THECB ApplicationNovember 18, 2016
19. Begin ConstructionJanuary 16, 2017
20. Complete Construction Documents May 3, 2017
21. Substantial Completion March 16, 2019
22. Owner Occupancy May 31, 2019

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
02-3205 Biocontainment Research Facility
Tuition Revenue Bonds**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	75,000,000.00			
YEAR 1	72,670,000.00	2,330,000.00	3,562,500.00	5,892,500.00
YEAR 2	70,230,000.00	2,440,000.00	3,451,825.00	5,891,825.00
YEAR 3	67,675,000.00	2,555,000.00	3,335,925.00	5,890,925.00
YEAR 4	65,000,000.00	2,675,000.00	3,214,562.50	5,889,562.50
YEAR 5	62,195,000.00	2,805,000.00	3,087,500.00	5,892,500.00
YEAR 6	59,260,000.00	2,935,000.00	2,954,262.50	5,889,262.50
YEAR 7	56,185,000.00	3,075,000.00	2,814,850.00	5,889,850.00
YEAR 8	52,960,000.00	3,225,000.00	2,668,787.50	5,893,787.50
YEAR 9	49,585,000.00	3,375,000.00	2,515,600.00	5,890,600.00
YEAR 10	46,050,000.00	3,535,000.00	2,355,287.50	5,890,287.50
YEAR 11	42,345,000.00	3,705,000.00	2,187,375.00	5,892,375.00
YEAR 12	38,465,000.00	3,880,000.00	2,011,387.50	5,891,387.50
YEAR 13	34,400,000.00	4,065,000.00	1,827,087.50	5,892,087.50
YEAR 14	30,145,000.00	4,255,000.00	1,634,000.00	5,889,000.00
YEAR 15	25,685,000.00	4,460,000.00	1,431,887.50	5,891,887.50
YEAR 16	21,015,000.00	4,670,000.00	1,220,037.50	5,890,037.50
YEAR 17	16,120,000.00	4,895,000.00	998,212.50	5,893,212.50
YEAR 18	10,995,000.00	5,125,000.00	765,700.00	5,890,700.00
YEAR 19	5,625,000.00	5,370,000.00	522,262.50	5,892,262.50
YEAR 20	-	5,625,000.00	267,187.50	5,892,187.50
		<u>\$ 75,000,000.00</u>	<u>\$ 42,826,237.50</u>	<u>\$ 117,826,237.50</u>

Long-term rates are assumed to be 4.75%. Rates are subject to market change.
Actual debt service will correspond to the TRB appropriations provided by the State.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

**TEXAS A&M UNIVERSITY
PERMANENT UNIVERSITY FUND
02-3205 Biocontainment Research Facility
Available University Fund**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	11,110,000.00			
YEAR 1	10,765,000.00	345,000.00	527,725.00	872,725.00
YEAR 2	10,405,000.00	360,000.00	511,337.50	871,337.50
YEAR 3	10,025,000.00	380,000.00	494,237.50	874,237.50
YEAR 4	9,630,000.00	395,000.00	476,187.50	871,187.50
YEAR 5	9,215,000.00	415,000.00	457,425.00	872,425.00
YEAR 6	8,780,000.00	435,000.00	437,712.50	872,712.50
YEAR 7	8,325,000.00	455,000.00	417,050.00	872,050.00
YEAR 8	7,845,000.00	480,000.00	395,437.50	875,437.50
YEAR 9	7,345,000.00	500,000.00	372,637.50	872,637.50
YEAR 10	6,820,000.00	525,000.00	348,887.50	873,887.50
YEAR 11	6,270,000.00	550,000.00	323,950.00	873,950.00
YEAR 12	5,695,000.00	575,000.00	297,825.00	872,825.00
YEAR 13	5,095,000.00	600,000.00	270,512.50	870,512.50
YEAR 14	4,465,000.00	630,000.00	242,012.50	872,012.50
YEAR 15	3,805,000.00	660,000.00	212,087.50	872,087.50
YEAR 16	3,115,000.00	690,000.00	180,737.50	870,737.50
YEAR 17	2,390,000.00	725,000.00	147,962.50	872,962.50
YEAR 18	1,630,000.00	760,000.00	113,525.00	873,525.00
YEAR 19	835,000.00	795,000.00	77,425.00	872,425.00
YEAR 20	-	835,000.00	39,662.50	874,662.50
		<u>\$ 11,110,000.00</u>	<u>\$ 6,344,337.50</u>	<u>\$ 17,454,337.50</u>

Estimated issuance costs and rounding of \$110,000 are included in this schedule.
Long-term rates are assumed to be 4.75%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Biocontainment Research Facility

Texas A&M University

Project No. 02-3205

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the HVAC Replacement at Mosher Hall Project, Texas A&M University, College Station, Texas (Project No. 02-3213)

Background and Prior Actions:

The HVAC Replacement at Mosher Hall Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$15,028,100 for construction services and related project costs and revert previous appropriations to the source account.
- (3) Approve construction of the HVAC Replacement at Mosher Hall Project at Texas A&M University (Texas A&M).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	<u>\$15,028,100</u>	\$1,076,980	Housing Revenue
Total Project Funds	<u>\$15,028,100</u>		

Project Justification:

Originally constructed in 1975, Mosher Hall has an existing heating, ventilation, air conditioning (HVAC) system consisting of a constant volume air handling system with zone reheat coils in each room. There are twenty (20) total Air Handler Units (AHUs), including four AHUs per floor for each of the five floors of this building. Outside air (OA) intakes are located on the roof with OA ductwork routed down to each of the mechanical rooms that house the AHUs. The mechanical room serves as an OA/Return Air (RA) mixing plenum with evidence of moisture related issues caused by condensation from humid OA being introduced directly into the room.

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Each pair of dorm rooms share a restroom which is exhausted by a roof mounted exhaust fan that serves the stacked restrooms.

The HVAC system has reached the end of its useful life and is in need of replacement. There have been significant maintenance issues resulting from aged heating water piping which is routed throughout this facility.

Scope:

This renovation project will replace the Mosher Hall HVAC system. The existing mechanical system, which consists of constant volume air handling units in each mechanical room with reheat coils per room, will be removed in its entirety. A new mechanical system will be installed to serve each room. The new system will be a variable air volume (VAV) dual duct system with dual duct zone control valves for each room, thereby giving each room individual temperature control. All ductwork from the new air handlers to the rooms will be new.

In addition, the chilled water and hot water pumps in the Commons mechanical room will be removed and replaced with new pumps located in a pump room. All chilled and hot water distribution piping within the building will be replaced. A new Direct Digital Control (DDC) system will be provided and will be tied into a campus-wide control system for better energy management and control by Utilities and Energy Services (UES).

There will be selective demolition of the existing ceilings in the corridors and restrooms, as well as existing partition walls to route the ductwork from the corridors to the restrooms. All light fixtures which are affected by the ceiling work will be demolished. New ceilings will be installed in the corridors and restrooms, as well as new light fixtures in the corridors and restrooms. There is an alternate for new, energy efficient light fixtures in the rest of the building, less stairwells and exterior lighting.

Construction on this project is scheduled to start in December 2016 with substantial completion scheduled for July 2017. The total project budget is \$15,028,100.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the HVAC Replacement at Mosher Hall Project, Texas A&M University, College Station, Texas (Project No. 02-3213)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$15,028,100 for the HVAC Replacement at Mosher Hall Project is approved.

The amount of \$15,028,100 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (Housing Revenue), for construction services and related project costs. The amount of \$1,340,000 is reverted to Account No. 02-030062 Residence Life.

The HVAC Replacement at Mosher Hall Project, Texas A&M University, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Michael K. Young, President
Texas A&M University

ATTACHMENT TO ITEM

HVAC REPLACEMENT AT MOSHER HALL	PROJECT BUDGET
TEXAS A&M UNIVERSITY	
PROJECT NO. 02-3213	

1.	Amount Available for Construction Contract.....	\$12,440,000
2.	Owner's Contingency	622,000
3.	Architectural/Engineering Fees	850,000
4.	FP&C Project Management and Inspection Fees	388,000
5.	SSC/Physical Plant Services	3,500
6.	Owner's Builder's Risk Insurance (FM Global).....	280,000
7.	Energy System Testing & Balancing	90,000
8.	Other Project Costs	<u>354,600</u>
9.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$15,028,100</u>

HVAC REPLACEMENT AT MOSHER HALL
TEXAS A&M UNIVERSITY
PROJECT NO. 02-3213

PROJECT SCHEDULE

1. BOR Approval to Include in Capital Plan September 4, 2015
2. Issue A/E RFQ February 16, 2016
3. Receive A/E RFQ Responses..... March 9, 2016
4. Interview A/E Shortlist April 13, 2016
5. Design Kick-Off Meeting May 12, 2016
6. Execute AE Agreement June 2, 2016
7. Complete Schematic Design June 17, 2016
8. Complete Design Development July 15, 2016
9. Complete Construction Documents August 19, 2016
10. Advertise for Competitive Sealed Proposals (CSP) September 2, 2016
11. Receive CSPs September 26, 2016
12. CSP Evaluation September 27, 2016
13. Chancellor Approval of CSP Rank OrderOctober 14, 2016
14. BOR Approval for ConstructionNovember 10, 2016
15. Execute CSP Agreement December 2, 2016
16. Begin Construction December 9, 2016
17. Substantial Completion July 31, 2017
18. Owner Occupancy August 2017

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
02-3213 HVAC Replacement at Mosher Hall
Housing Revenue**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	15,180,000.00				
YEAR 1	14,860,000.00	320,000.00	759,000.00	1,079,000.00	1,240,850.00
YEAR 2	14,525,000.00	335,000.00	743,000.00	1,078,000.00	1,239,700.00
YEAR 3	14,175,000.00	350,000.00	726,250.00	1,076,250.00	1,237,687.50
YEAR 4	13,805,000.00	370,000.00	708,750.00	1,078,750.00	1,240,562.50
YEAR 5	13,420,000.00	385,000.00	690,250.00	1,075,250.00	1,236,537.50
YEAR 6	13,015,000.00	405,000.00	671,000.00	1,076,000.00	1,237,400.00
YEAR 7	12,590,000.00	425,000.00	650,750.00	1,075,750.00	1,237,112.50
YEAR 8	12,145,000.00	445,000.00	629,500.00	1,074,500.00	1,235,675.00
YEAR 9	11,675,000.00	470,000.00	607,250.00	1,077,250.00	1,238,837.50
YEAR 10	11,180,000.00	495,000.00	583,750.00	1,078,750.00	1,240,562.50
YEAR 11	10,660,000.00	520,000.00	559,000.00	1,079,000.00	1,240,850.00
YEAR 12	10,115,000.00	545,000.00	533,000.00	1,078,000.00	1,239,700.00
YEAR 13	9,545,000.00	570,000.00	505,750.00	1,075,750.00	1,237,112.50
YEAR 14	8,945,000.00	600,000.00	477,250.00	1,077,250.00	1,238,837.50
YEAR 15	8,315,000.00	630,000.00	447,250.00	1,077,250.00	1,238,837.50
YEAR 16	7,655,000.00	660,000.00	415,750.00	1,075,750.00	1,237,112.50
YEAR 17	6,960,000.00	695,000.00	382,750.00	1,077,750.00	1,239,412.50
YEAR 18	6,230,000.00	730,000.00	348,000.00	1,078,000.00	1,239,700.00
YEAR 19	5,465,000.00	765,000.00	311,500.00	1,076,500.00	1,237,975.00
YEAR 20	4,660,000.00	805,000.00	273,250.00	1,078,250.00	1,239,987.50
YEAR 21	3,815,000.00	845,000.00	233,000.00	1,078,000.00	1,239,700.00
YEAR 22	2,930,000.00	885,000.00	190,750.00	1,075,750.00	1,237,112.50
YEAR 23	2,000,000.00	930,000.00	146,500.00	1,076,500.00	1,237,975.00
YEAR 24	1,025,000.00	975,000.00	100,000.00	1,075,000.00	1,236,250.00
YEAR 25	-	1,025,000.00	51,250.00	1,076,250.00	1,237,687.50
		<u>\$ 15,180,000.00</u>	<u>\$ 11,744,500.00</u>	<u>\$ 26,924,500.00</u>	<u>\$ 30,963,175.00</u>

Estimated issuance costs and rounding of \$151,900 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



HVAC Replacement at Mosher Hall

Texas A&M University

Project No. 02-3213

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Addition of Instructional and Support Spaces Project, Texas A&M International University, Laredo, Texas (Project No. 16-3206)

Background and Prior Actions:

The Addition of Instructional and Support Spaces Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$64,790,000 for construction services and related project costs. \$6,210,000 has been previously appropriated to this project.
- (3) Approve construction of the Addition of Instructional and Support Spaces Project at Texas A&M International University (TAMIU).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$55,200,000	\$4,335,991	Tuition Revenue Bonds
Cash (HEF)	\$11,000,000	N/A	N/A
Cash (Designated Tuition)	<u>\$ 4,800,000</u>	N/A	N/A
Total Project Funds	<u>\$71,000,000</u>		

Project Justification:

The university is growing and lacks the quantity and quality of classrooms and teaching labs to expand its course offerings and increase enrollment (the university is aiming for 10,000 students by 2020; current enrollment is approximately 7,550 students). The university's first building on campus, the Killam Library, needs to evolve from a "do-it-all" building (which includes not only library functions, but also the university police, purchasing department, and the College of

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Education faculty and staff offices) into a more student-centered 21st century library. Learning methods of today's students are changing and new learning environments are required to respond to this change. The university police department's current space does not function adequately enough to support the department. This project will construct new facilities to house these functions which will allow the Killam Library to be converted, through a separate project, to modern library space.

Scope:

TAMIU proposes to significantly increase its academic space on campus to meet a long-identified need for larger teaching spaces as class sizes grow. This project will also support a push to expand engineering programs and allow science programs to continue expansion. Two buildings, an Academic Building and a Support Services Building, will be constructed which will provide much needed academic and support space as well as shell space for future offices for the College of Education, lab spaces, and an auditorium.

In summary, this project provides for:

- A three-story, 121,142 gross square foot (GSF) academic building including the following:
 - 9 classrooms ranging from large auditoria to medium-sized flat-floor classrooms; where appropriate, the program emphasizes active learning environments
 - 13 teaching laboratories, nine of which are engineering-focused (4 of the 9 engineering labs will function as medium-sized classrooms when the building opens and until the Department of Engineering will need the labs)
 - Utility infrastructure and lighting will be built for the labs during the original new construction and is included as part of this project
 - Shell space for future build out of the following:
 - Future office space (15,889 GSF)
 - Petro Engineering Lab (1,600 GSF)
 - Computer Lab (1,600 GSF)
 - Auditorium/class room (3,189 GSF)
- A single story Support Services Building of 11,590 GSF to house the university's Police Department.

Due to the intended expansion of the engineering program, several of the included labs are earmarked for future use as engineering labs. However, as this program is currently in the process of growth, in the near-term these labs will be used as general academic classrooms until such time that they are needed to be brought online as Engineering Labs.

Construction on this project is scheduled to start in December 2016 with substantial completion scheduled for January 2019. The total project budget is \$71,000,000.

Other Major Fiscal Impacts:

None.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Addition of Instructional and Support Spaces Project, Texas A&M International University, Laredo, Texas (Project No. 16-3206)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$71,000,000 for the Addition of Instructional and Support Spaces Project is approved.

The amount of \$55,200,000 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (TRB), the amount of \$4,922,382 is appropriated from Account No. 16-141026, HEAF-Addition of Instructional and Support Spaces, and the amount of \$4,667,618 is appropriated from Account No. 16-210224, DT-Addition of Instructional and Support Spaces, for construction services and related project costs.

The Addition of Instructional and Support Spaces Project, Texas A&M International University, Laredo, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

John Sharp
Chancellor

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

Pablo Arenaz, Interim President
Texas A&M International University

ADDITION OF INSTRUCTIONAL AND SUPPORT SPACES**PROJECT BUDGET****TEXAS A&M INTERNATIONAL UNIVERSITY
PROJECT NO. 16-3206**

1.	Amount Available for Construction Contract	\$56,768,998
2.	Owner's Contingency	2,021,000
3.	Architectural/Engineering & CMAR Fees	4,338,965
4.	FP&C Project Management and Inspection Fees	1,833,077
5.	A/V Equipment & Installation	1,555,000
6.	Construction Testing	178,403
7.	Movable Furnishings & Miscellaneous Equipment	1,778,454
8.	Security	76,000
9.	Owner's Builder's Risk Insurance (FM Global)	1,056,116
10.	CIS/Data	784,000
11.	Telecommunications	89,000
12.	Energy System Testing & Balancing	245,000
13.	Envelope Services	100,000
14.	Electrical Testing.....	65,000
15.	Other Project Costs	<u>110,987</u>
16.	TOTAL ESTIMATED COST OF PROJECT	<u>\$71,000,000</u>

ADDITION OF INSTRUCTIONAL AND SUPPORT SPACES**PROJECT SCHEDULE****TEXAS A&M INTERNATIONAL UNIVERSITY
PROJECT NO. 16-3206**

1. Issue AE Request for Qualifications February 9, 2016
2. Issue CMAR Request for Proposals February 29, 2016
3. RFQ Responses Due..... March 1, 2016
4. Develop AE Shortlist March 9, 2016
5. RFP Responses Due March 21, 2016
6. Chancellor Approval of CMAR Ranked Order..... March 29, 2016
7. AE Interviews March 31, 2016
8. Chancellor Approval of AE Ranked Order April 15, 2016
9. Design Kickoff Meeting..... May 17, 2016
10. Execute AE Agreement June 10, 2016
11. Execute CMAR Agreement..... June 15, 2016
12. Complete Schematic Design August 17, 2016
13. GMP (25% DD)October 21, 2016
14. Complete Bid Package 1November 1, 2016
15. BOR Approval for ConstructionNovember 10, 2016
16. Submit THECB Application for ReviewNovember 18, 2016
17. Begin Construction December 19, 2016
18. Complete Design Development January 4, 2017
19. Complete Bid Package #2 January 19, 2017
20. Complete Construction Documents April 28, 2018
21. Construction Substantial Completion..... January 4, 2019
22. Owner Occupancy March 8, 2019

**TEXAS A&M INTERNATIONAL UNIVERSITY
REVENUE FINANCING SYSTEM
16-3206 Addition of Instructional and Support Spaces
Tuition Revenue Bonds**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	55,200,000.00			
YEAR 1	53,485,000.00	1,715,000.00	2,622,000.00	4,337,000.00
YEAR 2	51,690,000.00	1,795,000.00	2,540,537.50	4,335,537.50
YEAR 3	49,810,000.00	1,880,000.00	2,455,275.00	4,335,275.00
YEAR 4	47,840,000.00	1,970,000.00	2,365,975.00	4,335,975.00
YEAR 5	45,775,000.00	2,065,000.00	2,272,400.00	4,337,400.00
YEAR 6	43,615,000.00	2,160,000.00	2,174,312.50	4,334,312.50
YEAR 7	41,350,000.00	2,265,000.00	2,071,712.50	4,336,712.50
YEAR 8	38,980,000.00	2,370,000.00	1,964,125.00	4,334,125.00
YEAR 9	36,495,000.00	2,485,000.00	1,851,550.00	4,336,550.00
YEAR 10	33,890,000.00	2,605,000.00	1,733,512.50	4,338,512.50
YEAR 11	31,165,000.00	2,725,000.00	1,609,775.00	4,334,775.00
YEAR 12	28,310,000.00	2,855,000.00	1,480,337.50	4,335,337.50
YEAR 13	25,320,000.00	2,990,000.00	1,344,725.00	4,334,725.00
YEAR 14	22,185,000.00	3,135,000.00	1,202,700.00	4,337,700.00
YEAR 15	18,905,000.00	3,280,000.00	1,053,787.50	4,333,787.50
YEAR 16	15,465,000.00	3,440,000.00	897,987.50	4,337,987.50
YEAR 17	11,865,000.00	3,600,000.00	734,587.50	4,334,587.50
YEAR 18	8,090,000.00	3,775,000.00	563,587.50	4,338,587.50
YEAR 19	4,140,000.00	3,950,000.00	384,275.00	4,334,275.00
YEAR 20	-	4,140,000.00	196,650.00	4,336,650.00
		<u>\$ 55,200,000.00</u>	<u>\$ 31,519,812.50</u>	<u>\$ 86,719,812.50</u>

Long-term rates are assumed to be 4.75%. Rates are subject to market change.
Actual debt service will correspond to the TRB appropriations provided by the State.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Addition of Instructional and Support Spaces

Texas A&M International University

Project No. 16-3206

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Nursing and Health Sciences Building Project, Texas A&M University-Commerce, Commerce, Texas (Project No. 21-3186)

Background and Prior Actions:

The Nursing and Health Sciences Building Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$48,600,000 for construction services and related project costs. \$5,400,000 has previously been appropriated for this project.
- (3) Approve construction of the Nursing and Health Sciences Building Project at Texas A&M University-Commerce (A&M-Commerce).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$ 48,000,000	\$3,770,399	Tuition Revenue Bonds
Cash (HEF)	<u>\$ 6,000,000</u>	N/A	N/A
Total Project Funds	<u>\$ 54,000,000</u>	N/A	N/A

Project Justification:

NURSING DEPARTMENT

There is a nationwide need for strengthening the largest component of the health care workforce, nurses, to become partners and leaders in improving the delivery of care and the health care system as a whole. The A&M-Commerce Nursing Department's initial program is a Bachelor of Science in Nursing (BSN), designed to provide education in preparation for licensure and professional nursing practice. The program involves a four-year degree with the last two years concentrating on nursing courses. Clinical learning experiences will be conducted via a state-of-

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the-art simulation laboratory as well as traditional, hands-on, instructor-supervised practice in rural Northeast Texas clinics. The current Nursing Building is no longer able to meet the current or future needs of the program, either physically or functionally.

HEALTH AND HUMAN PERFORMANCE (HHP) DEPARTMENT

The current HHP facilities, which are spread over the campus in the University Field House, Whitley Gymnasium and Morris Recreation Center, now serve 1,300 students, consisting of 680 majors. Currently, the spaces shared by the HHP Department are inadequate for delivering its academic programs effectively. Classrooms lack flexibility, are too small for equipment and students, and have outdated building and fire codes. Certain faculty members have been forced to move equipment back and forth across campus between multiple buildings. With these increased challenges in dealing with shared and spread-out physical resources, the current facilities are no longer able to meet the needs of the rapidly expanding HHP program.

BIOLOGY DEPARTMENT

Researchers in the Department of Biological & Environmental Sciences are on the forefront of major breakthroughs in the critical field of cardiovascular disease, which has led to the establishment of a Biomedical Regenerative research group within the College of Science & Engineering. The researchers are currently housed in the Science Building, which is shared by the Department of Biological & Environmental Sciences, Department of Chemistry, Department of Physics & Astronomy, and the School of Agriculture. With the growth in each of these departments, the Science Building is at capacity and is not able to meet the needs of the expanding Biomedical Regenerative research group, either physically or functionally. The Biomedical Regenerative research group has already generated more than \$2,000,000 in external research funding (NSF, NIH, American Heart Association and the A&M System Chancellor's Research Initiative Award) to date with the prospect of significant additional extramural research funding from governmental and private sources in the near future. However, without new state-of-the-art laboratory space, the opportunity to expand this research group into a world class research institute will be severely limited.

Scope:

Nursing, Health & Human Performance, and Biology are all fields that contribute greatly to health care today. In support of this, A&M-Commerce is building a new facility to encompass all of these fields. The Nursing and Health Sciences Building will be located in the west central educational zone of the campus. As a significant gateway building to campus along Texas Highway 11 overlooking Gee Lake, this facility will require a dramatic presence. Concurrently, A&M-Commerce's new School of Nursing and Health Sciences (School) will tie the campus together and more fully define the edge of the university. Strengthening the network of campus spaces provides a variety of places for students to study and interact in an under-used area of campus.

A&M-Commerce's new School will encompass 114,000 square feet (SF) over three floors and accommodate the Nursing Department, the Health and Human Performance Department, and Biology research, as well as general instruction classrooms. The first floor will house the Health and Human Performance Department including a full court teaching gymnasium and a human performance lab supporting research, instruction and testing. The first floor will also include a

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teaching nutrition kitchen adjacent to a dynamic student lobby overlooking Gee Lake. The second floor is primarily dedicated to the Nursing Department including two skills labs, a physical assessment lab and a full hospital simulation center. The top floor will house 10,000 SF of biology research labs and lab support. The Nursing and Health Sciences Building will be an exciting interdisciplinary teaching and research tool for tomorrow's leaders in the health industry.

Outdoor features include a terrace overlooking the lake, walkways connecting the building to various other parts of campus, and an active greenspace to support the Human Performance program.

Construction on this project is scheduled to start in January 2017 with substantial completion scheduled for November 2018. The total project budget is \$54,000,000.

Other Major Fiscal Impacts:

None.

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THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Nursing and Health Sciences Building Project, Texas A&M University-Commerce, Commerce, Texas (Project No. 21-3186)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$54,000,000 for the Nursing and Health Sciences Building Project is approved.

The amount of \$48,000,000 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (TRB), and the amount of \$600,000 is appropriated from Account No. 21-185035, HEF-Nursing Building-New, for construction services and related project costs.

The Nursing and Health Sciences Building Project, Texas A&M University-Commerce, Commerce, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

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September 28, 2016

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Ray M. Keck III, Interim President
Texas A&M University-Commerce

NURSING AND HEALTH SCIENCES BUILDING
TEXAS A&M UNIVERSITY-COMMERCE
PROJECT NO. 21-3186

PROJECT BUDGET

1. Amount Available for Construction Contract	\$40,110,000
2. Architectural/Engineering Fees	3,654,899
3. CMAR Pre-Construction Services	135,000
4. SSC/Physical Plant Services	25,000
5. Fiber Optic Interface	50,000
6. Telecommunications	600,000
7. Owner Supplied Insurance	1,100,000
8. Program of Requirements.....	128,000
9. Security System.....	313,000
10. TAS-ADA Inspection.....	2,000
11. Testing and Air Balancing.....	200,000
12. Construction Testing	250,000
13. Envelope Consultant.....	60,000
14. Fire Detection and Alarm Testing	35,000
15. Exterior Graphics	5,000
16. A/V Equipment & Installation	850,000
17. Sports and Kitchen Equipment.....	120,000
18. Movable Furnishings.....	3,300,000
19. FP&C Project Management and Inspection Fees.....	1,394,000
20. Owner's Contingency.....	<u>1,668,101</u>
21. TOTAL ESTIMATED COST OF PROJECT	<u>\$54,000,000</u>

**NURSING AND HEALTH SCIENCES BUILDING
TEXAS A&M UNIVERSITY-COMMERCE
PROJECT NO. 21-3186**

PROJECT SCHEDULE

1. BOR Approval to Include in Capital Plan September 4, 2015
2. Issue A/E RFQ (Request for Qualifications) September 8, 2015
3. A/E RFQ Responses DueOctober 2, 2015
4. Interview A/E ShortlistOctober 29, 2015
5. Chancellor Approval of Ranked A/E Order December 7, 2016
6. Execute A/E Agreement February 4, 2016
7. Project Kick-Off Meeting February 22, 2016
8. Issue CMAR Request for Proposal (RFP) February 29, 2016
9. Receive RFP Response March 22, 2016
10. Shortlist CMAR Firms March 30, 2016
11. Interview CMAR Shortlisted Firms April 14, 2016
12. CMAR Ranked Order Approved by Chancellor May 12, 2016
13. Complete Schematic Design June 6, 2016
14. Execute CMAR Agreement June 9, 2016
15. Complete Design Development August 29, 2016
16. Receive GMP from CMAR September 26, 2016
17. BOR Approval for ConstructionNovember 10, 2016
18. Submit THECB ApplicationNovember 18, 2016
19. Begin Construction January 3, 2017
20. Complete Construction Documents March 23, 2017
21. Substantial CompletionNovember 2018
22. Owner Occupancy January 2019

TEXAS A&M UNIVERSITY - COMMERCE
REVENUE FINANCING SYSTEM
21-3186 Nursing and Health Sciences Building
Tuition Revenue Bonds

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	48,000,000.00			
YEAR 1	46,510,000.00	1,490,000.00	2,280,000.00	3,770,000.00
YEAR 2	44,950,000.00	1,560,000.00	2,209,225.00	3,769,225.00
YEAR 3	43,315,000.00	1,635,000.00	2,135,125.00	3,770,125.00
YEAR 4	41,600,000.00	1,715,000.00	2,057,462.50	3,772,462.50
YEAR 5	39,805,000.00	1,795,000.00	1,976,000.00	3,771,000.00
YEAR 6	37,925,000.00	1,880,000.00	1,890,737.50	3,770,737.50
YEAR 7	35,955,000.00	1,970,000.00	1,801,437.50	3,771,437.50
YEAR 8	33,895,000.00	2,060,000.00	1,707,862.50	3,767,862.50
YEAR 9	31,735,000.00	2,160,000.00	1,610,012.50	3,770,012.50
YEAR 10	29,470,000.00	2,265,000.00	1,507,412.50	3,772,412.50
YEAR 11	27,100,000.00	2,370,000.00	1,399,825.00	3,769,825.00
YEAR 12	24,615,000.00	2,485,000.00	1,287,250.00	3,772,250.00
YEAR 13	22,015,000.00	2,600,000.00	1,169,212.50	3,769,212.50
YEAR 14	19,290,000.00	2,725,000.00	1,045,712.50	3,770,712.50
YEAR 15	16,435,000.00	2,855,000.00	916,275.00	3,771,275.00
YEAR 16	13,445,000.00	2,990,000.00	780,662.50	3,770,662.50
YEAR 17	10,315,000.00	3,130,000.00	638,637.50	3,768,637.50
YEAR 18	7,035,000.00	3,280,000.00	489,962.50	3,769,962.50
YEAR 19	3,600,000.00	3,435,000.00	334,162.50	3,769,162.50
YEAR 20	-	3,600,000.00	171,000.00	3,771,000.00
		<u>\$ 48,000,000.00</u>	<u>\$ 27,407,975.00</u>	<u>\$ 75,407,975.00</u>

Long-term rates are assumed to be 4.75%. Rates are subject to market change.
Actual debt service will correspond to the TRB appropriations provided by the State.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Nursing and Health Sciences Building

Texas A&M University-Commerce

Project No. 21-3186

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Medical Research and Education Building 2 Project, Texas A&M University Health Science Center, Bryan, Texas (Project No. 23-3203)

Background and Prior Actions:

The Medical Research and Education Building 2 (MREB-2) Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$93,800,000 for construction services and related project costs. \$10,000,000 has been previously appropriated to this project.
- (3) Approve construction of the MREB-2 Project at the Texas A&M University Health Science Center (TAMHSC).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$ 72,000,000	\$5,655,669	Tuition Revenue Bonds
Revenue Financing System Debt Proceeds	<u>\$ 31,800,000</u>	\$2,148,903	Designated Tuition and Interest Income
Total Project Funds	<u>\$103,800,000</u>		

Project Justification:

The TAMHSC MREB-2 and Medical Research and Education Building 1 (MREB-1) Expansion Project is envisioned as a state-of-the-art laboratory that will support evolving research activities for the TAMHSC. The new facilities will be dedicated to research laboratories, laboratory support, and associated offices. The project includes expansion of the existing vivarium in the MREB-1 into the lower level of the MREB-1 Expansion to support new research activities; the addition of two levels to the MREB-1 Expansion will include the expansion of the MREB-1

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Biosafety Level 3 (BSL-3) laboratory, essential core facilities, a new multi-disciplinary classroom facility, and shell space.

The MREB-2 will be primarily dedicated to state-of-the-art laboratories and support and include an increased amount of lab core functions and additional shell space. The facilities are programmed to represent research typologies that support the TAMHSC College of Medicine programs.

The two research typologies are:

1. Typology 1- General Biomedical Research
2. Typology 2- Physiology-Based Research

Currently, the research facilities on the Bryan-College Station campuses range from the MREB-1, which is a modern laboratory space, to the Reynolds Building on Main Campus that is older and requires mechanical upgrades to replace antiquated units. Neither of these facilities has the capacity to increase research opportunities and spatial flexibility is limited. In particular, the Reynolds Building does not support the configuration required for a focus in team-based research collaboration.

Opportunities created by this project include:

1. Increase Competitiveness of TAMHSC and Focus on Excellence
2. Enable Interdisciplinary Team Development and Encourage Collaboration
3. Strengthen Recruitment Opportunities

Scope:

This new building is designed to accommodate general Biomedical and Physiology-based research. The expansion will be constructed adjacent to the existing MREB-1 on the TAMHSC campus in Bryan. The expansion consists of a new 123,000 gross square foot (GSF) MREB-2, the infill of shelled space on the first floor of the MREB-1, expansion of the existing vivarium, and the addition of two floors to the top of the MREB-1 creating additional core laboratory space, expanded BSL-3 laboratory and a much needed multi-disciplinary classroom facility. The total gross square footage is 168,000.

The design of the facility consists of two wings that accommodate a sloping site and an existing fire access lane that is bordered by the building site and wooded areas. The wings are organized around a central node that provides a readily identifiable entrance to the facility.

Site amenities include a new building entry with accessible ramp, enclosures for building support equipment, landscaping and an exterior plaza.

Construction on this project is scheduled to start in December 2016 with substantial completion scheduled for March 2019. The total project budget is \$103,800,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Medical Research and Education Building 2 Project, Texas A&M University Health Science Center, Bryan, Texas (Project No. 23-3203)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$103,800,000 for the Medical Research and Education Building 2 Project is approved.

The amount of \$62,000,000 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (Tuition Revenue Bonds), and the amount of \$31,800,000 is appropriated from Account No. 01-083536 Revenue Financing System Debt Proceeds (Designated Tuition and Interest Income), for construction services and related project costs.

The Medical Research and Education Building 2 Project, Texas A&M University Health Science Center, Bryan, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

John Sharp
Chancellor

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

Michael K. Young, President
Texas A&M University

for

Paul E. Ogden, M.D.
Interim Senior Vice President and
Chief Operating Officer
Texas A&M University Health Science Center

MEDICAL RESEARCH AND EDUCATION BUILDING 2 TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER PROJECT NO. 23-3203	PROJECT BUDGET
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1.	Amount Available for Construction Contract.....	\$72,200,000
2.	Architectural/Engineering Fees	5,493,625
3.	CMAR Pre-Construction Services	195,000
4.	SSC/Physical Plant Services	180,000
5.	Fiber Optic Interface	50,000
6.	Data/Telecommunications	1,191,000
7.	Commissioning (Cx).....	596,000
8.	Miscellaneous Fees	70,000
9.	Owner Supplied Insurance	2,200,000
10.	Program of Requirements	336,000
11.	Security System	794,000
12.	Testing and Air Balancing	596,000
13.	Construction Testing.....	681,000
14.	Envelope Testing	40,000
15.	Life Safety Review and Alarm Testing	75,000
16.	Exterior Graphics	15,375
17.	A/V Equipment & Installation	1,600,000
18.	Instructional Technology	200,000
19.	Movable Equipment.....	5,800,000
20.	Movable Furnishings and Moving Expenses	4,850,000
21.	FP&C Project Management and Inspection Fees	2,680,000
22.	Owner's Contingency	<u>3,957,000</u>
23.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$103,800,000</u>

MEDICAL RESEARCH AND EDUCATION BUILDING 2 TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER PROJECT NO. 23-3203	PROJECT SCHEDULE
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1. BOR Approval to Include in Capital Plan September 4, 2015
2. Issue A/E RFQOctober 14, 2015
3. Issue CMAR RFP.....November 3, 2015
4. Receive A/E RFQ Responses.....November 10, 2015
5. Shortlist A/E FirmsNovember 20, 2015
6. Interview A/E Shortlist December 1, 2015
7. Receive CMAR RFP Response..... December 3, 2015
8. Shortlist CMAR Firms December 8, 2015
9. A/E Ranked Order Approved by Chancellor December 14, 2015
10. Interview CMAR Shortlist..... December 16, 2015
11. CMAR Ranked Order Approved by Chancellor January 15, 2016
12. Execute A/E Agreement January 29, 2016
13. A/E Design Kick-Off February 3, 2016
14. Execute CMAR Agreement March 7, 2016
15. Complete Schematic Design April 21, 2016
16. Complete Design Development September 19, 2016
17. Receive GMP from CMAROctober 18, 2016
18. BOR Approval for ConstructionNovember 10, 2016
19. Submit THECB ApplicationNovember 18, 2016
20. Begin Construction December 9, 2016
21. Complete Construction Documents March 10, 2017
22. Substantial Completion March 4, 2019
23. Owner Occupancy June 3, 2019

**TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER
REVENUE FINANCING SYSTEM
23-3203 Medical Research and Education Building 2
Tuition Revenue Bonds**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	72,000,000.00			
YEAR 1	69,765,000.00	2,235,000.00	3,420,000.00	5,655,000.00
YEAR 2	67,425,000.00	2,340,000.00	3,313,837.50	5,653,837.50
YEAR 3	64,970,000.00	2,455,000.00	3,202,687.50	5,657,687.50
YEAR 4	62,400,000.00	2,570,000.00	3,086,075.00	5,656,075.00
YEAR 5	59,710,000.00	2,690,000.00	2,964,000.00	5,654,000.00
YEAR 6	56,890,000.00	2,820,000.00	2,836,225.00	5,656,225.00
YEAR 7	53,935,000.00	2,955,000.00	2,702,275.00	5,657,275.00
YEAR 8	50,840,000.00	3,095,000.00	2,561,912.50	5,656,912.50
YEAR 9	47,600,000.00	3,240,000.00	2,414,900.00	5,654,900.00
YEAR 10	44,205,000.00	3,395,000.00	2,261,000.00	5,656,000.00
YEAR 11	40,650,000.00	3,555,000.00	2,099,737.50	5,654,737.50
YEAR 12	36,925,000.00	3,725,000.00	1,930,875.00	5,655,875.00
YEAR 13	33,025,000.00	3,900,000.00	1,753,937.50	5,653,937.50
YEAR 14	28,940,000.00	4,085,000.00	1,568,687.50	5,653,687.50
YEAR 15	24,660,000.00	4,280,000.00	1,374,650.00	5,654,650.00
YEAR 16	20,175,000.00	4,485,000.00	1,171,350.00	5,656,350.00
YEAR 17	15,475,000.00	4,700,000.00	958,312.50	5,658,312.50
YEAR 18	10,555,000.00	4,920,000.00	735,062.50	5,655,062.50
YEAR 19	5,400,000.00	5,155,000.00	501,362.50	5,656,362.50
YEAR 20	-	5,400,000.00	256,500.00	5,656,500.00
		<u>\$ 72,000,000.00</u>	<u>\$ 41,113,387.50</u>	<u>\$ 113,113,387.50</u>

Long-term rates are assumed to be 4.75%. Rates are subject to market change.
Actual debt service will correspond to the TRB appropriations provided by the State.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

**TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER
REVENUE FINANCING SYSTEM
23-3203 Medical Research and Education Building 2
Designated Tuition/Interest Income**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	32,115,000.00				
YEAR 1	31,650,000.00	465,000.00	1,686,037.50	2,151,037.50	2,473,693.13
YEAR 2	31,165,000.00	485,000.00	1,661,625.00	2,146,625.00	2,468,618.75
YEAR 3	30,650,000.00	515,000.00	1,636,162.50	2,151,162.50	2,473,836.88
YEAR 4	30,110,000.00	540,000.00	1,609,125.00	2,149,125.00	2,471,493.75
YEAR 5	29,540,000.00	570,000.00	1,580,775.00	2,150,775.00	2,473,391.25
YEAR 6	28,940,000.00	600,000.00	1,550,850.00	2,150,850.00	2,473,477.50
YEAR 7	28,310,000.00	630,000.00	1,519,350.00	2,149,350.00	2,471,752.50
YEAR 8	27,650,000.00	660,000.00	1,486,275.00	2,146,275.00	2,468,216.25
YEAR 9	26,955,000.00	695,000.00	1,451,625.00	2,146,625.00	2,468,618.75
YEAR 10	26,220,000.00	735,000.00	1,415,137.50	2,150,137.50	2,472,658.13
YEAR 11	25,450,000.00	770,000.00	1,376,550.00	2,146,550.00	2,468,532.50
YEAR 12	24,635,000.00	815,000.00	1,336,125.00	2,151,125.00	2,473,793.75
YEAR 13	23,780,000.00	855,000.00	1,293,337.50	2,148,337.50	2,470,588.13
YEAR 14	22,880,000.00	900,000.00	1,248,450.00	2,148,450.00	2,470,717.50
YEAR 15	21,930,000.00	950,000.00	1,201,200.00	2,151,200.00	2,473,880.00
YEAR 16	20,935,000.00	995,000.00	1,151,325.00	2,146,325.00	2,468,273.75
YEAR 17	19,885,000.00	1,050,000.00	1,099,087.50	2,149,087.50	2,471,450.63
YEAR 18	18,780,000.00	1,105,000.00	1,043,962.50	2,148,962.50	2,471,306.88
YEAR 19	17,615,000.00	1,165,000.00	985,950.00	2,150,950.00	2,473,592.50
YEAR 20	16,390,000.00	1,225,000.00	924,787.50	2,149,787.50	2,472,255.63
YEAR 21	15,100,000.00	1,290,000.00	860,475.00	2,150,475.00	2,473,046.25
YEAR 22	13,745,000.00	1,355,000.00	792,750.00	2,147,750.00	2,469,912.50
YEAR 23	12,320,000.00	1,425,000.00	721,612.50	2,146,612.50	2,468,604.38
YEAR 24	10,820,000.00	1,500,000.00	646,800.00	2,146,800.00	2,468,820.00
YEAR 25	9,240,000.00	1,580,000.00	568,050.00	2,148,050.00	2,470,257.50
YEAR 26	7,575,000.00	1,665,000.00	485,100.00	2,150,100.00	2,472,615.00
YEAR 27	5,825,000.00	1,750,000.00	397,687.50	2,147,687.50	2,469,840.63
YEAR 28	3,980,000.00	1,845,000.00	305,812.50	2,150,812.50	2,473,434.38
YEAR 29	2,040,000.00	1,940,000.00	208,950.00	2,148,950.00	2,471,292.50
YEAR 30	-	2,040,000.00	107,100.00	2,147,100.00	2,469,165.00
		<u>\$ 32,115,000.00</u>	<u>\$ 32,352,075.00</u>	<u>\$ 64,467,075.00</u>	<u>\$ 74,137,136.30</u>

Issuance costs and rounding of \$315,000 are included in this schedule.
Long-term rates are assumed to be 5.25%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Medical Research and Education Building 2

Texas A&M University Health Science Center

Project No. 23-3203

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Executive Vice Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Multipurpose Building 3 Project, Texas A&M University-Central Texas, Killeen, Texas (Project No. 24-3194)

Background and Prior Actions:

The Multipurpose Building 3 Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$32,400,000 for construction services and related project costs. \$3,600,000 has been previously appropriated to this project.
- (3) Approve construction of the Multipurpose Building 3 Project at Texas A&M University-Central Texas (A&M-Central Texas).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	<u>\$36,000,000</u>	\$2,827,912	Tuition Revenue Bonds
Total Project Funds	<u>\$36,000,000</u>		

Project Justification:

Established in 2009 as a stand-alone university, A&M-Central Texas is a growing academic institution that provides upper-level instruction through bachelor's and master's degrees. The university serves a demographically and geographically diverse region in Central Texas, including Fort Hood. The A&M-Central Texas campus is located on 672 acres deeded to the A&M System by the United States Army.

While current university enrollment is 2,600 students, A&M-Central Texas projects enrollment to grow to 4,000 students over a five to ten year planning horizon. To address current and anticipated student demand and to meet community needs, the university is embarking on significant programmatic growth through the addition of new academic programs and degree

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plans. To support growth, A&M-Central Texas requires a new multipurpose academic facility. The new building (referred to as Multipurpose Building 3), in addition to Founders Hall and Warrior Hall, will form the core of the campus. The near-term future of the university will be built around these three buildings.

The Multipurpose Building is to be located at the Central Texas Campus. In order to support the university's programmatic growth, the role of the new building and its goals are identified as follows:

- New capabilities for both instructional and research labs
- Faculty growth for both the College of Arts and Sciences and ROTC
- Purpose built space for University and Historical Archive
- Focus on student success by providing more student-centric spaces
- Encourage faculty-student and student-community interactions
- Integration with the community
- Support cross-programming to maximize use of multi-function spaces (for example, the Kinesiology Performance Lab)

Scope:

The Multipurpose Building 3 will be built on a site identified by the master plan and illustrated in the site diagrams. The site is perpendicular to and southwest of Warrior Hall. The building will extend into the landscape and be the first to engage with the existing tree canopy. Careful planning and design of exterior courtyard space surrounding the new and existing buildings will be critical. In particular, the space between the three buildings is envisioned as an active courtyard that will foster informal student use, as well as supporting campus-wide events. A feature design element in the form of a grand porch at the entryway to the building will provide transitional space between indoor and outdoor spaces, act as an extension of the building lobby with shaded seating, and help to activate the exterior courtyard. The porch will also act as overflow space to support both interior and exterior events such as the campus picnic and future rugby games. It is important to note that future campus development will include an academic quad/rugby field which will be located to the south of Founders Hall and east of Multipurpose Building 3, further activating the exterior space and enhancing the collegiate atmosphere desired for the campus.

The approximate 60,000 gross square feet will have several program elements including the building entry lobby and student gathering areas, exterior spaces, university and historical archives, administration offices, ROTC program, classrooms, instructional/research labs for archaeology, kinesiology, Center for Civic Engagement/Student Collaboration Space, and building support.

Construction on this project is scheduled to start in January 2017 with substantial completion scheduled for July 2018. The total project budget is \$36,000,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Executive Vice Chancellor and Chief Financial Officer
September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Multipurpose Building 3 Project, Texas A&M University-Central Texas, Killeen, Texas (Project No. 24-3194)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$36,000,000 for the Multipurpose Building 3 Project is approved.

The amount of \$32,400,000 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (TRB), for construction services and related project costs.

The Multipurpose Building 3 Project, Texas A&M University-Central Texas, Killeen, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

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September 28, 2016

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Marc A. Nigliazzo, President
Texas A&M University-Central Texas

MULTIPURPOSE BUILDING 3**PROJECT BUDGET****TEXAS A&M UNIVERSITY-CENTRAL TEXAS****PROJECT NO. 24-3194**

1.	Amount Available for Construction Contract.....	\$26,736,000
2.	Owner's Contingency	1,300,000
3.	Architectural/Engineering Fees	2,572,660
4.	CMAR Preconstruction Fees	135,000
5.	FP&C Project Management and Inspection Fees	930,000
6.	A/V Equipment & Installation	300,000
7.	SSC/Physical Plant Services	50,000
8.	Construction Testing	130,000
9.	Movable Furnishings & Miscellaneous Equipment.....	2,174,340
10.	Owner's Builder's Risk Insurance (FM Global).....	585,000
11.	CIS/Data.....	295,000
12.	Telecommunications	117,000
13.	DAS Systems	118,000
14.	Energy System Testing & Balancing.....	177,000
15.	Envelope Services	100,000
16.	Electrical Testing	75,000
17.	Other Project Costs	75,000
18.	Artwork Allowance	<u>130,000</u>
19.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$36,000,000</u>

1. BOR Approval to Include in Capital Plan September 4, 2015
2. Issue A/E RFQ February 9, 2016
3. Receive A/E RFQ Responses February 23, 2016
4. RFQ Responses Due March 8, 2016
5. RFP Responses Due March 15, 2016
6. Shortlist A/E and CMAR Firms March 21, 2016
7. Interview A/E Shortlist April 7, 2016
8. Interview CMAR Shortlist April 8, 2016
9. Chancellor Approval of Ranked Order May 10, 2016
10. Execute AE & CMAR Agreements June 7, 2016
11. Design Kickoff Meeting June 8, 2016
12. Complete Schematic Design August 25, 2016
13. GMP (25% DD) October 27, 2016
14. Complete Bid Package 1 November 3, 2016
15. BOR Approval for Construction November 10, 2016
16. Submit THECB Application November 18, 2016
17. Complete Design Development December 8, 2016
18. Complete Bid Package 2 December 16, 2016
19. Begin Construction January 9, 2017
20. Complete Bid Package 3 February 16, 2017
21. Complete Construction Documents April 13, 2017
22. Complete Bid Package 4 April 14, 2017
23. Substantial Completion July 2018
24. Owner Occupancy October 2018

**TEXAS A&M UNIVERSITY - CENTRAL TEXAS
REVENUE FINANCING SYSTEM
24-3194 Multipurpose Building 3
Tuition Revenue Bonds**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	36,000,000.00			
YEAR 1	34,880,000.00	1,120,000.00	1,710,000.00	2,830,000.00
YEAR 2	33,710,000.00	1,170,000.00	1,656,800.00	2,826,800.00
YEAR 3	32,485,000.00	1,225,000.00	1,601,225.00	2,826,225.00
YEAR 4	31,200,000.00	1,285,000.00	1,543,037.50	2,828,037.50
YEAR 5	29,855,000.00	1,345,000.00	1,482,000.00	2,827,000.00
YEAR 6	28,445,000.00	1,410,000.00	1,418,112.50	2,828,112.50
YEAR 7	26,970,000.00	1,475,000.00	1,351,137.50	2,826,137.50
YEAR 8	25,425,000.00	1,545,000.00	1,281,075.00	2,826,075.00
YEAR 9	23,805,000.00	1,620,000.00	1,207,687.50	2,827,687.50
YEAR 10	22,110,000.00	1,695,000.00	1,130,737.50	2,825,737.50
YEAR 11	20,330,000.00	1,780,000.00	1,050,225.00	2,830,225.00
YEAR 12	18,465,000.00	1,865,000.00	965,675.00	2,830,675.00
YEAR 13	16,515,000.00	1,950,000.00	877,087.50	2,827,087.50
YEAR 14	14,470,000.00	2,045,000.00	784,462.50	2,829,462.50
YEAR 15	12,330,000.00	2,140,000.00	687,325.00	2,827,325.00
YEAR 16	10,090,000.00	2,240,000.00	585,675.00	2,825,675.00
YEAR 17	7,740,000.00	2,350,000.00	479,275.00	2,829,275.00
YEAR 18	5,280,000.00	2,460,000.00	367,650.00	2,827,650.00
YEAR 19	2,700,000.00	2,580,000.00	250,800.00	2,830,800.00
YEAR 20	-	2,700,000.00	128,250.00	2,828,250.00
		<u>\$ 36,000,000.00</u>	<u>\$ 20,558,237.50</u>	<u>\$ 56,558,237.50</u>

Long-term rates are assumed to be 4.75%. Rates are subject to market change.
Actual debt service will correspond to the TRB appropriations provided by the State.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Multipurpose Building 3

Texas A&M University-Central Texas

Project No. 24-3194

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Michael K. Young, President
Texas A&M University

Subject: Approval of the Project Scope and Budget, Appropriation for Pre-Construction and Construction Services, and Approval for Construction for the New Campus Electrical Substation and Capacity Upgrade Project, Texas A&M University, College Station, Texas (Project No. 7-2015)

Background and Prior Actions:

The New Campus Electrical Substation and Capacity Upgrade was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$9,750,000 for pre-construction and construction services and related project costs and revert previous appropriations to the source account.
- (3) Approve construction of the New Campus Electrical Substation and Capacity Upgrade Project at Texas A&M University (Texas A&M).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	<u>\$9,750,000</u>	\$803,712	Utility Revenue
Total Project Funds	<u>\$9,750,000</u>		

Project Justification:

The proposed substation with cross-campus interconnections will add capacity and increase reliability of the mission critical campus-wide electrical distribution system to meet planned campus growth and allow for future expansion.

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Scope:

The project includes the installation of a new 138 kV substation and 12.5 kV electrical distribution center on West Campus with two cross-campus interconnections.

A project site map is attached.

Project construction is scheduled to begin in January 2017 with substantial completion scheduled for January 2018. The total project budget is \$9,750,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

September 26, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Pre-Construction and Construction Services, and Approval for Construction for the New Campus Electrical Substation and Capacity Upgrade Project, Texas A&M University, College Station, Texas (Project No. 7-2015)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$9,750,000 for the New Campus Electrical Substation and Capacity Upgrade Project is approved.

The amount of \$9,750,000 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (Utility Revenue), for pre-construction and construction services and related project costs. The amount of \$975,000 is reverted to Account No. 02-808884, Utilities Capital Projects.

The New Campus Electrical Substation and Capacity Upgrade Project, Texas A&M University, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Michael K. Young, President
Texas A&M University

Approval Recommended:

John Sharp
Chancellor

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

NEW CAMPUS ELECTRICAL SUBSTATION AND CAPACITY UPGRADE PROJECT TEXAS A&M UNIVERSITY PROJECT NO. 7-2015	PROJECT BUDGET
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1.	Amount Available for Construction Contract.....	\$6,237,208
2.	Texas A&M Provided Transformers	1,301,200
3.	A/E Fees.....	964,670
4.	Agronomy Road to CUP cable	250,000
5.	Subtotal	<u>8,753,078</u>
6.	Contingency	759,117
7.	Project Management	<u>237,805</u>
8.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$9,750,000</u>

**NEW CAMPUS ELECTRICAL SUBSTATION AND
CAPACITY UPGRADE PROJECT
TEXAS A&M UNIVERSITY
PROJECT NO. 7-2015**

PROJECT SCHEDULE

1. Bid Opening August 23, 2016
2. BOR Approval of Construction Funding November 10, 2016
3. Construction Contract Awarded December 2016
4. Begin Construction January 2017
5. Substantial Completion January 2018

TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
New Campus Electrical Substation and Capacity Upgrade
Utility Revenue

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	9,850,000.00				
YEAR 1	9,645,000.00	205,000.00	492,500.00	697,500.00	802,125.00
YEAR 2	9,430,000.00	215,000.00	482,250.00	697,250.00	801,837.50
YEAR 3	9,200,000.00	230,000.00	471,500.00	701,500.00	806,725.00
YEAR 4	8,960,000.00	240,000.00	460,000.00	700,000.00	805,000.00
YEAR 5	8,710,000.00	250,000.00	448,000.00	698,000.00	802,700.00
YEAR 6	8,445,000.00	265,000.00	435,500.00	700,500.00	805,575.00
YEAR 7	8,170,000.00	275,000.00	422,250.00	697,250.00	801,837.50
YEAR 8	7,880,000.00	290,000.00	408,500.00	698,500.00	803,275.00
YEAR 9	7,575,000.00	305,000.00	394,000.00	699,000.00	803,850.00
YEAR 10	7,255,000.00	320,000.00	378,750.00	698,750.00	803,562.50
YEAR 11	6,920,000.00	335,000.00	362,750.00	697,750.00	802,412.50
YEAR 12	6,565,000.00	355,000.00	346,000.00	701,000.00	806,150.00
YEAR 13	6,195,000.00	370,000.00	328,250.00	698,250.00	802,987.50
YEAR 14	5,805,000.00	390,000.00	309,750.00	699,750.00	804,712.50
YEAR 15	5,395,000.00	410,000.00	290,250.00	700,250.00	805,287.50
YEAR 16	4,965,000.00	430,000.00	269,750.00	699,750.00	804,712.50
YEAR 17	4,515,000.00	450,000.00	248,250.00	698,250.00	802,987.50
YEAR 18	4,040,000.00	475,000.00	225,750.00	700,750.00	805,862.50
YEAR 19	3,545,000.00	495,000.00	202,000.00	697,000.00	801,550.00
YEAR 20	3,025,000.00	520,000.00	177,250.00	697,250.00	801,837.50
YEAR 21	2,480,000.00	545,000.00	151,250.00	696,250.00	800,687.50
YEAR 22	1,905,000.00	575,000.00	124,000.00	699,000.00	803,850.00
YEAR 23	1,300,000.00	605,000.00	95,250.00	700,250.00	805,287.50
YEAR 24	665,000.00	635,000.00	65,000.00	700,000.00	805,000.00
YEAR 25	-	665,000.00	33,250.00	698,250.00	802,987.50
		<u>\$ 9,850,000.00</u>	<u>\$ 7,622,000.00</u>	<u>\$ 17,472,000.00</u>	<u>\$ 20,092,800.00</u>

Estimated issuance costs and rounding of \$100,000 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/12/16

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



New Campus Electrical Substation and Capacity Upgrade

Texas A&M University

Project No. 7-2015

AGENDA ITEM BRIEFING

Submitted by: Michael K. Young, President
Texas A&M University

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval of Construction for The Gardens at Texas A&M University Project, Texas A&M University, College Station, Texas (Project No. 2014-04482)

Background and Prior Actions:

The Gardens at Texas A&M University Project was added to the FY 2016 – FY 2020 A&M System Capital Plan and approved by the Board at the April 2016 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$6,038,770 for construction services and related project costs. \$540,000 has been previously appropriated to this project.
- (3) Approve construction of The Gardens at Texas A&M University Project at Texas A&M University (Texas A&M)

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Debt Financing System Debt Proceeds	\$2,441,683	\$595,727	Gifts
Cash (Gifts) - on hand	\$3,337,087	N/A	N/A
Cash (Designated Tuition)	<u>\$ 800,000</u>	N/A	N/A
Total Project Funds	<u>\$6,578,770</u>		

Note: Any gifts received for this project are hereby appropriated and previous appropriations are reverted from Revenue Financing System Debt Proceeds.

For the RFS debt to be repaid with Gifts, Texas A&M has committed to fund any shortfall in gifts with Indirect Cost Recoveries. Currently, there is \$2,201,863 in outstanding pledge commitments.

Project Justification:

Texas A&M seeks to construct an outdoor teaching facility with gardens, a riparian greenway, and amenities to support educational activities for college and K-12 students. In addition, the facility will enhance research opportunities and provide outreach and service activities.

White Creek is a natural landform asset of the west campus of Texas A&M. This riparian way was designated the West Campus Greenway in 1998 by the Board. It extends from the front of the Horticultural/Forestry Sciences Building and follows White Creek behind the AgriLife Complex to the Bush Presidential Library and Museum.

The Gardens consists of approximately 45 acres, north of Kimbrough Boulevard behind the Texas A&M AgriLife Complex. The West Campus Greenway extending south of Kimbrough Boulevard behind George H.W. Bush Presidential Library and Museum to George Bush Drive will be included in the site plan regarding the White Creek restoration only.

Scope:

The seven acre Amy and Timothy Leach Gardens will be constructed as the first phase for a larger 45 acre garden located on the Texas A&M west campus. The project location is shown on the map with this agenda item.

The mission of The Gardens is to restore, preserve, and develop a portion of the West Campus Greenway into a public garden and green space/reserve. The facility will create an aesthetic, functional public garden to conduct formal teaching, research, and extension/outreach activities consistent with the mission of Texas A&M.

The Amy and Timothy Leach Gardens will include spaces to serve the following core functions: education, research, and demonstration; sustaining, restoring and preserving natural habitats for flora and fauna; providing space for recreation, special events, and tourism; and highlighting our agricultural culture and heritage.

Construction on this project is scheduled to start in January 2017 with substantial completion scheduled for November 2017. The total project budget is \$6,578,770.

Other Major Fiscal Impacts:

None.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

September 26, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval of Construction for The Gardens at Texas A&M University Project, Texas A&M University, College Station, Texas (Project No. 2014-04482)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$6,578,770 for The Gardens at Texas A&M University Project is approved.

The amount of \$2,441,683 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (Gifts), the amount of \$2,797,087 is appropriated from Account No. 02-513115, Gardens Project, and the amount of \$800,000 is appropriated from Account No. 02-808811, Garden Projects, for construction services and related project costs.

The Gardens at Texas A&M University Project, Texas A&M University, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Michael K. Young, President
Texas A&M University

Approval Recommended:

John Sharp
Chancellor

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

THE GARDENS AT TEXAS A&M UNIVERSITY
TEXAS A&M UNIVERSITY
PROJECT NO. 2014-04482

PROJECT BUDGET

1. Amount Available for Construction	4,490,000
2. Architectural/Engineering Fees	1,178,770
3. SSC Project Management Fees	180,000
4. Contingency.....	382,000
5. Fiber Optics Interface	50,000
6. Hazardous Material Survey & Monitoring.....	2,500
7. Energy Management System.....	100,000
8. Environmental Systems Balancing.....	6,000
9. Construction Testing	100,000
10. Physical Plant Services.....	39,500
11. Furniture and Equipment.....	<u>50,000</u>
12. TOTAL ESTIMATED COST OF PROJECT	<u>\$6,578,770</u>

1. Schematic Design (SD).....September 24, 2015
2. 100% Design Development (DD).....March 1, 2016
3. 75% Construction Documents (CD)September 1, 2016
4. 100% Construction Documents (CD) October 1, 2016
5. Board of Regents Approval for Construction November 10, 2016
6. 100% Construction Documents Released..... November 10, 2016
7. Begin ConstructionJanuary 1, 2017
8. Final Inspections November 1, 2017
9. Beneficial OccupancyDecember 1, 2017

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
The Gardens
Gifts**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
Commercial Paper	2,441,683.00				
YEAR 1	1,972,493.00	469,190.00	48,833.66	518,023.66	595,727.21
YEAR 2	1,493,919.00	478,574.00	39,449.86	518,023.86	595,727.44
YEAR 3	1,005,774.00	488,145.00	29,878.38	518,023.38	595,726.89
YEAR 4	507,866.00	497,908.00	20,115.48	518,023.48	595,727.00
YEAR 5	-	507,866.00	10,157.32	518,023.32	595,726.82
		<u>\$ 2,441,683.00</u>	<u>\$ 148,434.70</u>	<u>\$ 2,590,117.70</u>	<u>\$ 2,978,635.36</u>

Short-term rates are assumed to be 2.00%. Rates are subject to market change.
Assuming that project will remain in commercial paper until paid off in five years.
Prepared by the Office of the Treasurer - Treasury Services 9/21/16

Rates are variable and subject to market change.



The Gardens at Texas A&M University

Texas A&M University

Project No. 2014-04482

AGENDA ITEM BRIEFING

Submitted by: Michael K. Young, President
Texas A&M University

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Waterfront Events Pavilion Project, Texas A&M University at Galveston, Galveston, Texas (Project No. 10-5391)

Background and Prior Actions:

The Waterfront Events Pavilion Project was included as an approved project on the FY 2016 – FY 2020 A&M System Capital Plan approved by the Board at the September 2015 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$5,456,000 for construction services and related project costs. \$500,000 of funding has been previously appropriated to this project.
- (3) Approve construction of the Waterfront Events Pavilion Project at Texas A&M University at Galveston (TAMUG).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$3,448,500	\$233,207	Contract Commissions
Cash (Auxiliary Reserves)	\$1,507,500	N/A	N/A
Cash (Chartwells Capital Investment)	<u>\$1,000,000</u>	N/A	N/A
Total Project Funds	<u>\$5,956,000</u>		

Project Justification:

TAMUG is an ocean-front campus with programs and activities related to marine and maritime fields. The campus hosts a number of events that include federal, state and local dignitaries,

Agenda Item No.
Agenda Item Briefing

university and system officials as well as a variety of student activities. Prior to Hurricane Ike, TAMUG would erect a large tent on the dock when the campus wished to showcase the waterfront. After the storm and reconstruction of the marina, the campus lost the space available to erect a tent and began pursuing the design and construction of a permanent facility that would better meet the needs of the campus. Funding for the project will include campus reserves, capital investment from Chartwells and revenue financing.

This project will include a multipurpose hall and amphitheater, and house catering and facility storage. The design includes exterior walls that can be opened to create an indoor/outdoor experience when weather permits. The multipurpose hall is designed to seat 150 people for banquets and 300 people for theater seating. The amphitheater is imagined to be an outdoor collaboration space that, depending on configuration, will seat between 125 and 250 people.

Scope:

This project will include approximately 5,500 gross square feet of new construction built adjacent to the southeast corner of the Ocean and Coastal Studies Building (OCSB) with the exteriors of the two buildings architecturally similar. The amphitheater and canopied stage will be approximately 2,000 square feet of new construction immediately west of the Pavilion. The project will also include the relocation of utilities and the replacement of a grass paver sidewalk with a heavy duty concrete sidewalk.

Construction on this project is scheduled to start in December 2016 with substantial completion scheduled for July 2017. The total project budget is \$5,956,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

September 28, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Waterfront Events Pavilion Project, Texas A&M University at Galveston, Galveston, Texas (Project No. 10-5391)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$5,956,000 for the Waterfront Events Pavilion Project is approved.

The amount of \$3,448,500 is appropriated from Account No. 01-083536, Revenue Financing System Debt Proceeds (Outsourced Dining: Chartwells/Commissions), the amount of \$1,007,500 is appropriated from Account No. 10-034010 Dining Services-Reserve, and the amount of \$1,000,000 is appropriated from Account No. 10-026340 Outsourced Dining: Chartwells, for construction services and related project costs.

The Waterfront Events Pavilion Project, Texas A&M University at Galveston, Galveston, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Michael K. Young
President

Submission Recommended:

Douglas J. Palmer
Interim Chief Operations Officer
Texas A&M University at Galveston

Approval Recommended:

John Sharp
Chancellor

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

WATERFRONT EVENTS PAVILION PROJECT TEXAS A&M UNIVERSITY AT GALVESTON PROJECT NO. 10-5391	PROJECT BUDGET
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1.	Amount Available for Construction Contract.....	\$4,682,690
2.	Owner's Contingency	468,442
3.	Architectural/Engineering Fees	506,868
4.	A/V Equipment & Installation	50,000
5.	SSC/Physical Plant Services	140,500
6.	Construction Testing.....	65,000
7.	Movable Furnishings & Miscellaneous Equipment.....	25,000
8.	Energy System Testing & Balancing	10,000
9.	Envelope Services	<u>7,500</u>
10.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$5,956,000</u>

**WATERFRONT EVENTS PAVILION PROJECT
TEXAS A&M UNIVERSITY AT GALVESTON
PROJECT NO. 10-5391**

PROJECT SCHEDULE

1. BOR Approval to Include in Capital Plan September 9, 2015
2. Execute A/E Agreement February 12, 2016
3. Project Kick-Off Meeting February 17, 2016
4. Complete Design Development April 29, 2016
5. Complete Construction Documents August 22, 2016
6. Advertise for Competitive Sealed Proposals (CSP)..... August 22, 2016
7. Receive CSPs September 9, 2016
8. CSP Evaluation September 12, 2016
9. Board of Regents Approval for ConstructionNovember 10, 2016
10. Award Construction ContractNovember 24, 2016
11. Issue Construction Notice to ProceedNovember 30, 2016
12. Begin Construction December 15, 2016
13. Construction Substantial CompletionJuly 1, 2017
14. Owner Occupancy..... September 1, 2017

TEXAS A&M UNIVERSITY at GALVESTON
REVENUE FINANCING SYSTEM
Waterfront Events Pavilion
Contract Commissions

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
	3,485,000.00				
YEAR 1	3,435,000.00	50,000.00	182,962.50	232,962.50	267,906.88
YEAR 2	3,385,000.00	50,000.00	180,337.50	230,337.50	264,888.13
YEAR 3	3,330,000.00	55,000.00	177,712.50	232,712.50	267,619.38
YEAR 4	3,270,000.00	60,000.00	174,825.00	234,825.00	270,048.75
YEAR 5	3,210,000.00	60,000.00	171,675.00	231,675.00	266,426.25
YEAR 6	3,145,000.00	65,000.00	168,525.00	233,525.00	268,553.75
YEAR 7	3,075,000.00	70,000.00	165,112.50	235,112.50	270,379.38
YEAR 8	3,005,000.00	70,000.00	161,437.50	231,437.50	266,153.13
YEAR 9	2,930,000.00	75,000.00	157,762.50	232,762.50	267,676.88
YEAR 10	2,850,000.00	80,000.00	153,825.00	233,825.00	268,898.75
YEAR 11	2,765,000.00	85,000.00	149,625.00	234,625.00	269,818.75
YEAR 12	2,675,000.00	90,000.00	145,162.50	235,162.50	270,436.88
YEAR 13	2,580,000.00	95,000.00	140,437.50	235,437.50	270,753.13
YEAR 14	2,485,000.00	95,000.00	135,450.00	230,450.00	265,017.50
YEAR 15	2,380,000.00	105,000.00	130,462.50	235,462.50	270,781.88
YEAR 16	2,270,000.00	110,000.00	124,950.00	234,950.00	270,192.50
YEAR 17	2,155,000.00	115,000.00	119,175.00	234,175.00	269,301.25
YEAR 18	2,035,000.00	120,000.00	113,137.50	233,137.50	268,108.13
YEAR 19	1,910,000.00	125,000.00	106,837.50	231,837.50	266,613.13
YEAR 20	1,775,000.00	135,000.00	100,275.00	235,275.00	270,566.25
YEAR 21	1,635,000.00	140,000.00	93,187.50	233,187.50	268,165.63
YEAR 22	1,490,000.00	145,000.00	85,837.50	230,837.50	265,463.13
YEAR 23	1,335,000.00	155,000.00	78,225.00	233,225.00	268,208.75
YEAR 24	1,170,000.00	165,000.00	70,087.50	235,087.50	270,350.63
YEAR 25	1,000,000.00	170,000.00	61,425.00	231,425.00	266,138.75
YEAR 26	820,000.00	180,000.00	52,500.00	232,500.00	267,375.00
YEAR 27	630,000.00	190,000.00	43,050.00	233,050.00	268,007.50
YEAR 28	430,000.00	200,000.00	33,075.00	233,075.00	268,036.25
YEAR 29	220,000.00	210,000.00	22,575.00	232,575.00	267,461.25
YEAR 30	-	220,000.00	11,550.00	231,550.00	266,282.50
		<u>\$ 3,485,000.00</u>	<u>\$ 3,511,200.00</u>	<u>\$ 6,996,200.00</u>	<u>\$ 8,045,630.07</u>

Estimated issuance costs and rounding of \$36,500 are included in this schedule.
Long-term rates are assumed to be 5.25%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/14/16

**Rates are subject to market change. Amounts are preliminary estimates
that will be revised at the time bonds are issued.**



Waterfront Events Pavilion

Texas A&M University at Galveston

Project No. 10-5391

Construction Project Status Report

Effective 10/21/2016

Projects in Programming / Planning:	9 Projects	\$	193,500,000
Projects in Design:	30 Projects	\$	1,382,949,675
Projects in Bidding:	2 Projects	\$	32,028,100
Projects in Construction:	16 Projects	\$	952,174,556
Combined Total:	57 Projects	\$	2,560,652,331

PROJECTS TO BE AUTHORIZED BY THE BOARD OF REGENTS

Projects in Programming / Planning:

Bryan, TX

28-3231	Cyber-Physical Research and Development Center	\$	10,000,000
28-3229	Mary K O'Connor Process Safety Center	\$	12,000,000
09-3244	RELLIS - TEEX HQ & Training	\$	7,000,000
28-3230	Rowlett Industrial Distribution Center	\$	13,000,000
28-3232	TEES Headquarters Building	\$	9,000,000

Canyon, TX

18-3226	Football & Soccer-Track Stadiums	\$	32,500,000
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College Station, TX

02-3236	21st Century Classroom Building	\$	70,000,000
02-3235	Student Services Building	\$	40,000,000

Ft. Worth, TX

02-3243	TAMU Law School	\$	-
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Total of Projects in Programming / Planning		\$	193,500,000
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Projects in Design:

Bryan, TX

28-3196	Center for Infrastructure Renewal	\$	80,800,000
23-3203	Medical Research & Education Building 2	\$	103,800,000
01-3228	RELLIS Campus Infrastructure	\$	49,200,000
01-3245	RELLIS Master Plan	\$	-
12-3224	TTI State Headquarters	\$	75,000,000

Canyon, TX

18-3199	Agricultural Sciences Complex	\$	48,760,000
18-3227	Renovate Jarrett Hall Phase II	\$	14,330,000

College Station, TX

02-3183	Aggie Softball Stadium	\$	28,640,000
02-3184	Aggie Track & Field Stadium	\$	39,800,000
02-3208	Agriculture Building #5	\$	45,000,000
02-3205	Biocontainment Research Facility (BRF)	\$	86,000,000
02-3211	Music Activities Center	\$	42,500,000
02-3216	Penberthy Rec Fields Relocation	\$	9,967,000
02-3220	Storm Water System Improvements	\$	11,429,600

Commerce, TX

21-3186	Nursing & Health Sciences Building	\$	54,000,000
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Dallas, TX

06-3192	Dallas AgriLife Center	\$	34,000,000
23-3202	Dentistry Clinical Education Facility	\$	127,500,000

Ft. Worth, TX

04-3191	Southwest Metroplex Building	\$	39,600,000
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Galveston, TX

10-3197	Academic Building Complex Phase II & Infrastructure	\$	56,280,000
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Killeen, TX

24-3194	Multipurpose Building 3	\$	36,000,000
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Kingsville, TX

17-3225	Administrative Services Building	\$	16,553,075
17-3207	Education Complex	\$	60,000,000

Laredo, TX

16-3206	Addition of Instructional & Support Space	\$	71,000,000
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McAllen, TX

02-3212	McAllen Multipurpose Academic Facility	\$	40,000,000
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Prairie View, TX

05-3204	Capital Improvements	\$	20,232,000
05-3198	Fabrication Center	\$	17,158,000

San Antonio, TX

25-3158	Science and Technology Building	\$	63,000,000
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Stephenville, TX

04-3195	Applied Science Building	\$	54,000,000
04-3176	Memorial Stadium Renovation and Expansion	\$	26,400,000

Texarkana, TX

22-3200	Academic & Student Services Building	\$	32,000,000
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Total of Projects in Design		\$	1,382,949,675
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Projects in Bidding:

College Station, TX

02-3213	HVAC Replacement Mosher Hall	\$	15,028,100
02-3177	West Campus Support Building	\$	17,000,000
Total of Projects in Bidding		\$	32,028,100

Projects in Construction:

Bryan, TX

02-3193	Joint Library Facility Module 2	\$	5,500,000
	Bartlett Cocke General Contractors		
Status:	Just Starting	Substantial Completion Date:	09/01/2017
		Construction Work Completed:	1%

College Station, TX

06-3175	Agriculture and Life Sciences Building No 4	\$	32,500,000
	Skanska USA Building, Inc.		
Status:	On Schedule	Substantial Completion Date:	02/20/2017
		Construction Work Completed:	68%
02-3164	Chemistry Bldg 72 Wing 1st & 2nd Floor Renovation	\$	12,894,125
	SpawGlass Construction, Inc.		
Status:	On Schedule	Substantial Completion Date:	07/27/2017
		Construction Work Completed:	3%
02-3156	Commons Building Renovations and Additions	\$	49,850,000
	Acklam Construction Co., LTD		
Status:	On Schedule	Substantial Completion Date:	07/01/2017
		Construction Work Completed:	94%
02-3162	Completion of Corps Dorm Renovation	\$	149,000,000
	SpawGlass Construction, Inc.		
Status:	On Schedule	Substantial Completion Date:	06/30/2017
		Construction Work Completed:	70%
02-3125	CVM & Biomedical Sciences New Education Bldg & Small Animal Clinic	\$	123,294,248
	Skanska USA Building, Inc.		
Status:	On Schedule	Substantial Completion Date:	08/21/2016
		Construction Work Completed:	99%
02-3155	Engineering Education Complex	\$	225,669,000
	J. T. Vaughn Construction, LLC		
Status:	On Schedule	Substantial Completion Date:	10/31/2017
		Construction Work Completed:	49%
02-3170	Human Clinical Research Center	\$	13,900,000
	Skanska USA Building, Inc.		
Status:	On Schedule	Substantial Completion Date:	12/16/2016
		Construction Work Completed:	78%

02-3210	Renovate the Commissary Building	\$	33,155,000
Evolve Infrastructure Solutions			
Status:	On Schedule	Substantial Completion Date:	04/07/2017
		Construction Work Completed:	3%
02-3143	Student Recreation Center Addition	\$	54,990,000
Satterfield and Pontikes Construction, Inc.			
Status:	Behind Schedule	Substantial Completion Date:	01/08/2016
		Construction Work Completed:	98%
20-3160	Texas A&M Veterinary Medical Diagnostic Laboratory	\$	53,600,000
J. T. Vaughn Construction, LLC			
Status:	On Schedule	Substantial Completion Date:	12/16/2016
		Construction Work Completed:	91%

Corpus Christi, TX

15-3188	Life Sciences Research & Engineering Complex-Ph I	\$	60,000,000
Fulton Construction Corp./Coastcon Corp. JV			
Status:	On Schedule	Substantial Completion Date:	07/31/2018
		Construction Work Completed:	0%

Galveston, TX

10-3180	Academic Building Complex	\$	47,950,000
Linbeck			
Status:	On Schedule	Substantial Completion Date:	07/20/2017
		Construction Work Completed:	42%

Prairie View, TX

05-3157	Football Stadium & Athletic Field House	\$	62,263,206
Skanska USA Building, Inc.			
Status:	Substantially Complete	Substantial Completion Date:	09/02/2016
		Construction Work Completed:	99%

Stephenville, TX

04-3187	Utility and Infrastructure Improvements	\$	25,750,000
Imperial Construction, Inc.			
Status:	On Schedule	Substantial Completion Date:	08/03/2017
		Construction Work Completed:	5%

Texarkana, TX

22-2997	Multipurpose Library Building & Central Plant-Phase II	\$	1,858,977
Alessi Keyes Construction			
Status:	On Schedule	Substantial Completion Date:	04/12/2017
		Construction Work Completed:	57%

Total of Projects in Construction	\$	952,174,556
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Private Development:

Bryan, TX

01-3248	Blinn at RELLIS	\$	-
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College Station, TX

02-3247	TAMU Hotel and Conference Center	\$	134,160,000
02-3209	Cain Hall Site Redevelopment	\$	174,517,300
02-3165	Century Square	\$	200,000,000
02-3246	New FBO & Hangar for Astin Aviation	\$	9,500,000
02-3189	Park West Development	\$	200,000,000
02-3163	TAMU-West Campus Housing	\$	111,000,000

Commerce, TX

21-3218	TAMU Commerce Freshman Housing	\$	30,000,000
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Corpus Christi, TX

15-3215	Momentum Village Phase II	\$	24,441,000
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Galveston, TX

10-3172	Operation Seawolf	\$	26,976,000
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Prairie View, TX

05-3214	PVAMU Phase 8 Student Housing	\$	20,723,000
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San Antonio, TX

25-3219	TAMU-San Antonio Housing	\$	13,646,600
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Stephenville, TX

04-3190	Tarleton 2016 Residence Hall	\$	54,000,000
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Texarkana, TX

22-3217	Student Recreation Center at TAMU-T	\$	9,700,000
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	Total of Private Development Projects	\$	1,008,663,900
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Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
Office of the Vice Chancellor and Dean of Engineering
November 2, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Adoption of a Resolution Honoring Dennis L. Christiansen, Ph.D., P.E., for His Outstanding Dedication and Service as Agency Director of the Texas A&M Transportation Institute

I respectfully request the Board of Regents' approval of the following resolution honoring Dr. Dennis L. Christiansen for his service to the Texas A&M Transportation Institute and The Texas A&M University System.

“WHEREAS, Dennis Christiansen has faithfully served The Texas A&M University System for 45 years – from 1971 through 2016 – most recently as the fifth Agency Director of the Texas A&M Transportation Institute (TTI), which is widely known as the largest and finest higher education-affiliated transportation research center in the United States; and

WHEREAS, Dr. Christiansen received a bachelor's degree in civil engineering from Northwestern University and master's and Ph.D. degrees in civil engineering from Texas A&M University; and

WHEREAS, Dr. Christiansen began his TTI career as a Research Assistant in 1971, while a master's degree student, and received increased leadership responsibilities throughout the years, serving as an Engineering Research Associate, Assistant Research Engineer, Program Manager, Associate Research Engineer, Research Engineer, Division Head, Associate Agency Director, Agency Deputy Director and Agency Director since 2006; and

WHEREAS, with his extensive research experience in traffic operations, transportation planning, and transit planning, Dr. Christiansen became an international expert in high occupancy vehicle (HOV) lanes, pioneering the HOV lane concept in Houston; and

WHEREAS, Dr. Christiansen served as a Visiting Associate Professor on the civil engineering faculty at Texas A&M University where he developed and taught a graduate civil engineering course in public transportation planning, operation and management, and was the author of numerous books, reports and publications about various facets of transportation and traffic engineering; and

WHEREAS, during his tenure as TTI's Agency Director, from 2006 to 2016, the Institute's annual research expenditures grew more than 60 percent – from \$38 million to \$61 million – and the Institute's total operating budget grew from \$44.5 million to \$67.8 million; and

WHEREAS, during the same time period, TTI's intellectual property portfolio has generated more than \$76 million in gross royalties, and TTI researchers have received 62 U.S. patents to date; and

WHEREAS, during his leadership, TTI's research facilities and laboratories across the state of Texas expanded from 216,000 square feet in 2006 to more than 324,000 square feet in 2016; and

WHEREAS, Dr. Christiansen has overseen the development and expansion of current TTI facilities, including the TTI State Headquarters and Research Building Environmental and Emissions Facility, the Sediment and Erosion Control Laboratory, and the Visibility Research Laboratory, in addition to expanding current agency urban offices in Austin, Dallas, El Paso, Houston and San Antonio, and opening new urban offices in Waco, Washington, D.C. and Mexico City; and

WHEREAS, his visionary leadership and commitment to TTI's future led to TTI's partnership with the Texas A&M Engineering Experiment Station in the joint Center for Infrastructure Renewal and the development of TTI's new State Headquarters, both in development at The A&M University System's RELLIS Campus; and

WHEREAS, Dr. Christiansen has championed research diversification and partnerships and overseen the creation of innovative new research programs and products during his time as Agency Director, including initiatives in physical and perimeter security, transportation finance and policy, transportation safety and mobility, environmental and air quality, connected and automated transportation, and the Freight Shuttle System; and

WHEREAS, during his tenure as Agency Director, Dr. Christiansen implemented a successful professional staff development program for TTI staff to build not only technical competency, but also managerial and leadership skills; and

WHEREAS, in honor of his research and leadership accomplishments and service to The Texas A&M University System, Dr. Christiansen received the Regents Fellow Service Award from The Texas A&M University System Board of Regents in 2004; and

WHEREAS, his accomplishments have been recognized nationally with numerous awards for his leadership in higher education in the field of transportation, including honorary membership in the Institute of Transportation Engineers (ITE), the ITE Theodore M. Matson Award, the Transportation Research Board's Fred Burgraff Award, and the S. S. Steinberg Award from the American Road and Transportation Builders Association; and

WHEREAS, Dr. Christiansen's many accomplishments have been recognized by his peers, including elected membership as president of the International Institute of Transportation Engineers, the Council of University Transportation Centers, the Research and Education Division of the American Road and Transportation Builders Association, and the ITS America Board; and

WHEREAS, Dr. Christiansen has dedicated 45 years – his entire professional life – toward advancing the national and international reputation of TTI and The Texas A&M University System, where he is well-respected among his peers; now, therefore, be it

Agenda Item No.
November 2, 2016

RESOLVED, that we, the members of the Board of Regents of The Texas A&M University System, gratefully acknowledge the dedication and service of Dr. Christiansen to TTI and The Texas A&M University System and, be it, further

RESOLVED, that this resolution be included in the minutes, and copies thereof be signed by the Chairman of the Board of Regents of The Texas A&M University System, and be presented to Dr. Christiansen and to the Archives of Texas A&M Transportation Institute as an expression of appreciation and respect for Dr. Dennis L. Christiansen.

ADOPTED, this 10th day of November 2016.”

Respectfully submitted,

M. Katherine Banks
Vice Chancellor and Dean of Engineering
Director, Texas A&M Engineering
Experiment Station

Approval Recommended:

John Sharp
Chancellor

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: John Sharp, Chancellor
The Texas A&M University System

Subject: Appointment of President of Texas A&M International University

Proposed Board Action:

Appoint Dr. Pablo Arenaz as president of Texas A&M International University, effective immediately.

Background Information:

At an October 2016 special meeting, the Board of Regents named Dr. Pablo Arenaz as the sole finalist for the position of president of Texas A&M International University. As required by state law, the 21-day notice has been given.

A copy of Dr. Arenaz's curriculum vitae is attached.

A&M System Funding or Other Financial Implications:

Chancellor Sharp recommends an initial salary of \$335,265.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM

Office of the Chancellor

October 12, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Appointment of President of Texas A&M International University

I recommend adoption of the following minute order:

“Effective immediately, Dr. Pablo Arenaz is hereby appointed president of Texas A&M International University, at an initial salary of \$335,265.”

Respectfully submitted,

John Sharp
Chancellor

Approval Recommended:

Approved for Legal Sufficiency:

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Ray Bonilla
General Counsel

Personnel Actions Requiring Board Action

Proposed New Hire:

Name: Dr. Pablo Arenaz
 Title: President, TAMIU
 Salary: \$ 335,265

External Market Data:

	Survey Name	Survey Job Title	Survey Annual Salary
1.	Salary.com	President	\$428,250
2.	HigherEdJobs.com	President	\$336,000
3.	TexasTribune.org	President	\$435,000
4.			
5.			

Internal Salary Data:

	Incumbent Name	Job Title	Annual Salary
1.	TAMIU - Dr. Ray M. Keck	Past President	\$325,500
2.	Texas A&M University-Corpus Christi	President	\$335,265
3.	Texas A&M University-Kingsville	President	\$335,265
4.	Prairie View A&M University	President	418,645
5.	Tarleton State University	President	335,265

Comments, if necessary:

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Curriculum vitae

PABLO ARENAZ

Interim President
Texas A& M International University
Laredo, TX 78041
Office 956.326.2320
pablo.arenaz@tamiu.edu

EDUCATION

- 6/72 B. S. in Education, University of Nevada, Reno, NV, Major: Biology Minor: Spanish
8/76 M. S. in Biology, University of Nevada, Reno, NV
Thesis: *Effect of carcinogens on the induction of somatic mosaicism in the soybean (Glycine max L. Merrill).*
6/81 Ph. D. in Genetics and Cell Biology, Washington State, University, Pullman, WA.
Dissertation: *Effect of sodium azide and its proximal mutagen on mammalian cells.*

ACADEMIC APPOINTMENTS

- 8/2008 Professor of Biology, Texas A&M International University
9/1996 Professor of Biology, University of Texas at El Paso.
9/1990 Associate Professor of Biology, University of Texas at El Paso.
9/1984 Assistant Professor of Biology, University of Texas El Paso.
6/1981 Postdoctoral Research Associate, Fels Research Institute, Temple University School Medicine.

ADMINISTRATIVE and SPECIAL APPOINTMENTS

Interim President, Texas A&M International University, (6/2016). As the Chief Executive Officer, my major responsibilities include (but not limited to) articulating the mission, vision, and values of the University to the faculty, staff, students, as well as the Board of Regents, political and community leaders, and the public. I am responsible for managing the University's resources, including a budget of \$124M in addition to maximizing efficiency and productivity. I engage in raising public and private funds designed to continue the development of the campus culture and infrastructure.

Major Accomplishments

- Received an \$80,000 gift/grant from the International Development Bank for a feasibility study with Argentina on enhanced oil recovery. It is highly likely that this effort will turn into a multimillion-dollar project, funded by the IDB, private corporations and Argentina.
- Negotiating with the City of Laredo for the construction of a 21 court Tennis complex on campus.

- Overseeing the design of a 98,000 gsf academic classroom, laboratory and research facility for engineering, biology and chemistry.
- Eduventures recently recognized TAMIU as the top institution for Student Success in the country for Master's-granting institutions.

Provost and Vice President for Academic Affairs, Texas A&M International University, (2008-2016). As Provost and VPAA, my major responsibilities include the development and implementation of academic policies and procedures, including academic tenure and promotion; oversight, management, assessment, review and accreditation of academic programs and research/academic centers; oversight of faculty development, faculty performance review and faculty personnel matters; oversight of scholarly and instructional support across academic affairs and enhancement of research capacity across campus; oversight of the academic affairs budget of over \$50M (excluding benefits); representing the University within the local community, interacting with the community's civic and educational leaders as well as the local business community; working with both federal and state legislative delegations, and representing Texas A&M International University with the Texas Higher Education Coordinating Board, the Texas A&M University System and other institutions in the System, and institutions in other Systems in the state.

Major Accomplishments

- Strengthened the first-year success program and academic advising, resulting in a change in the first-year persistence rate from 66% in 2008 to 76% in 2015.
- Grew enrollment from slightly under 5,500 students to slightly under 7,600 students in the fall of 2014, a 40% increase. During this time, admissions standards were raised.
- Developed and implemented a program designed to improve academic advising and mentoring of second-year students as well as improving teaching in sophomore-level courses. These activities were initially supported by a \$1.5M federal grant.
- Increased six-year graduation rates from 44% in 2008 to slightly over 52% in 2014. Six-year graduation rates have remained near 50% since then.
- Established the University Honors Program, which has grown from 50 students to nearly 300 in the past seven years.
- Instituted flexible class scheduling, including compressed, on-line and blended formats to provide versatility in scheduling for students and faculty members.
- Expanded graduate education opportunities by adding eight new on-line Master's programs, including an MBA in English and Spanish, a MS in Criminal Justice, a MA in Language, Literature and Translation, a MS in Global Communication, an MSN in Nursing Administration, an MPA with a focus on international non-profit, and a Master of Art in Teaching, all to meet regional and international educational needs and promote regional economic development. We have also added a dual BS/MS degree in Health Informatics with the University of Texas School of Public Health in Houston.

- Developed interdisciplinary graduate programs in History and Political Thought and Language, Literature and Translation.
- Developed new undergraduate degree programs in multidisciplinary engineering and rural public health as well as certificate programs in oil and gas accounting in an effort to provide additional opportunities for students and enhance the economic development of the region.
- Led the effort to join the Texas LEAP coalition.
- Instituted cross-disciplinary "signature courses" to infuse a global perspective into all degree programs.
- Developed on-line options for selected undergraduate degree programs to more effectively serve the people of this region, the State of Texas and northern Mexico.
- Created the Office of Global Initiatives and the Binational Center whose function is to look for collaborative opportunities with institutions in Mexico and throughout Latin America.
- Facilitated dual degree program development in business with the Universidad Autonoma de Tamaulipas, Anáhuac University in Mexico City and UNITEC University in Honduras. We are also in negotiations with Universidad Nacional Autonoma de Mexico, Anáhuac University and the Tecnológico Nacional de México to develop dual/joint programs in business, engineering, public administration and criminal justice.
- Managed an annual academic affairs budget of over \$50 million, excluding benefits.
- Reduced Academic Affairs budget by nearly \$4 million dollars over the FY11-12 biennium due to cuts in state appropriations. This was done without reducing the number of tenure/tenure-track faculty.
- Introduced zero-based budgeting and class scheduling for summer school.
- Reallocated funds to build needed infrastructure in biology, chemistry, geology, engineering, psychology, nursing and the fine and performing arts.
- Grew research expenditures from \$500,000 in 2008 to over \$3,500,000 in 2014, a 7-fold increase. Overall, annual grant expenditures exceed \$11,000,000, up from \$7,000,000 in 2009.
- Reorganized the Office of Research and Sponsored Projects to make it more user-friendly and efficient.
- Redesigned an overhead reimbursement program that rewards successful grant writers.
- Initiated a mechanism to fund pilot research projects, which has led to a 40% increase in proposal submission rates. We have also seen a return on investment of over four dollars for every dollar we have committed.
- Instituted a program to provide start-up funds for new faculty and reduce their teaching loads during the probationary period.
- Hired exciting, energetic junior faculty members in the sciences, social sciences, humanities, education and engineering.
- Increased the diversity of the faculty.
- Led the rewriting of the Institutional mission, vision and strategic plan (twice).

- Oversaw the successful SACS reaffirmation process.
- Worked with the Faculty Senate and Deans to redesign the promotion and tenure process, as well as the annual merit policies.
- Reorganized Continuing Education to meet the needs of the community and the region.
- Worked with the local legislative delegation and the President to secure \$55,000,000 for the construction of a new multi-purpose classroom/laboratory building.

Vice Provost for Graduate Studies and Dean of the Graduate School, University of Texas at El Paso, (2006-2008). As Vice Provost and Dean, I was responsible for graduate education across the University as well as the development of new graduate and doctoral programs

Major accomplishments:

- Increased the number of graduate applications from 3,300 in 2006 to 5,600 in 2008.
- Oversaw the initiation of three new doctoral programs and the development of six doctoral program proposals. In addition, 10 Master's proposals were submitted to the State for approval.
- Instituted new policies and initiatives in the Graduate School designed to increase graduate student retention and reduce the time to degree. Developed a set of accountability measures for graduate programs, which led to a 30% increase in the number of graduates at both the doctoral and master's level.
- Designed, with Howard University, a Preparing Future Faculty program for doctoral students, which was funded through an Alliance for Graduate Education and the Professorate (AGEP).

Vice Provost, University of Texas at El Paso, (2005-2006). As Vice Provost, I was responsible for overseeing academic space, negotiating start-up packages for new faculty and overseeing the design of new construction and renovations.

Major accomplishment/responsibilities:

- Developed policies and procedures related to effective use of academic space.
- Oversaw construction/remodeling projects for academic affairs.
- Directed the Border Biomedical Research Center, the umbrella organization for biomedical research on campus. While I was the director, we received the first two R01 grants in institutional history.
- Directed the Teachers for a New Era grant. We dramatically modified how pre-service teachers were trained, going from a traditional model to a practice based model.
- Raised over \$500,000 in community support as a match for Teachers for a New Era grant.
- Served as the SACS liaison and headed the successful SACS reaffirmation

Interim Vice President for Academic Affairs, University of Texas at El Paso, (2004 – 2005). As Interim Vice President I was responsible for the development and implementation of all academic policies and procedures, including academic tenure and promotion; oversight, management, assessment and review of academic programs and research; oversight of faculty performance review and faculty personnel matters; oversight of the academic affairs budget of over \$75M; representing the University within the local community; and representing the University of Texas El Paso with the Texas Higher Education Coordinating Board.

Major accomplishments/responsibilities:

- Developed policies and procedures that promoted efficiency in the instructional operation and allocation of resources within academic affairs.
- Managed an Academic Affairs budget of over \$75M.
- Oversaw academic program and policy review, faculty development, curricular and budget planning, faculty performance review and oversight of faculty personnel matters.
- Instituted networks and processes that allowed faculty members to move fluidly between organizational units and to respond to new challenges by organizing new partnerships and centers.
- Integrated research centers with academic units in order to develop new synergies.
- Organized a NSF workshop entitled “What Does It Mean to be Educated in the 21st Century”. This workshop brought scientists and science educators from across the country to discuss educating STEM students for the 21st century workforce.

Associate Vice President for Academic Affairs, University of Texas at El Paso, (2001-2004). As Associate Vice President I was responsible for undergraduate programs, including assessment of programs and the development and implementation of new degree programs.

Major accomplishment/responsibilities:

- Managed an Academic Affairs budget of over \$70M, having oversight of allocation of funds.
- Implemented a zero-base summer budget (and scheduling) process.
- Lead multiple assessment and effectiveness efforts on campus.
- Chaired two major institution-wide committees, the Senior-Year Experience Committee (SYE) and the Core Curriculum Assessment Work Group

Associate Dean, Colleges of Science and Engineering, University of Texas at El Paso (1998-2001). As Associate Dean, I was responsible for development and implementation of programs for all pre-engineering and pre-science students.

Major accomplishment:

- Developed a comprehensive first-year program to meet the needs of entering students in engineering and the sciences to increase their success rate. The highly successful

- Circles of Learning for Entering Students (CircLES) program that was adopted university-wide and became the basis for the student success program at UTEP.
- Oversaw science and engineering orientation, advisement for all entering students (freshmen and transfers) and an early intervention program for academically under-prepared students.
- Adopted a novel learning community model in which entering students were grouped into a three-course cluster that included mathematics, a university seminar course and English. The unique feature of the learning communities was that students were grouped based on placement test scores.
- Saw one-year retention rate rise from 67% to 80% and the average first-year GPA rose from 2.2 to 2.7.

Associate Dean, College of Science, University of Texas at El Paso (1995-1998). As Associate Dean, I was responsible for promoting research and scholarship within the college and overseeing graduate programs. I also served as the principle investigator/program director of the Minority Biomedical Research Support grant, a multi-investigator program project grant.

HONORS AND AWARDS

Distinguished Achievement Award – Service to Students, The University of Texas at El Paso, 2000.

Fellow-The Texas Higher Education Coordinating Board, 2001.

Fellow-The Texas Governor's Executive Development Program, 2002.

PROFESSIONAL SOCIETIES

American Council of Education; American Association of State Colleges and Universities; American Assn. for the Advancement of Science; American Assn. for Cancer Research; American Society for Cell Biology; American Society for Biochemistry and Molecular Biology; Environmental Mutagen Society; Society for the Advancement of Chicanos and Native Americans in Science.

COMMUNITY/CIVIC and PROFESSIONAL ORGANIZATIONS

Community/Civic: Board of Directors, Laredo Area Community Foundation (2016-present); Board of Directors, Laredo Chamber of Commerce (2008-2015); Laredo for the Future Coalition Steering Committee (2014-present); Laredo Manufacturing Association (2008-present), Gateway Rotary (2009-present), Laredo Development Foundation (2008-2011); **Other**: Policy Advisory Committee, Regional Center of Excellence for Bioterrorism and Emerging Infectious Diseases, University of Texas Medical Branch (2003-2006).

Professional: Publications Committee – Environmental Mutagen Society (2003-2009), Membership Committee - Environmental Mutagen Society (1995-1997), Awards and Honors Committee - Environmental Mutagen Society (1994-1995; 2002-2005), Future Directions Committee - Environmental Mutagen Society (1992-1994), Education and Student Members Committee - Environmental Mutagen Society (1992-1994; 2002-2004), Minority Travel Awards Committee - American Association for Cancer Research (1994-1997), Committee on Science Education - American Association for Cancer Research (1991-1994), Texas State Legislative Committee - American Association for Cancer Research (1991-2001), Committee on Minority Issues - American Association for Cancer Research (1988-1991).

SYSTEM, UNIVERSITY and DEPARTMENTAL COMMITTEES

Texas A&M University System: System-wide Committee on Learning Outcomes (2011-present); Faculty Recruitment and Retention Taskforce (2012-present); Taskforce on the Development of Student Learning Outcomes (2011-2012); **The University of Texas System:** Assessment Committee (2001-2006); Task Force on Student Retention (1997–1998), Chair, Financial Aid sub-committee (wrote the report on financial aid that went into the working document for the Chancellor and the Legislature); The UT System Louis Stokes Alliance for Minority Participation Governing Board (1996-2005); **The Texas Higher Education Coordinating Board:** Advisory Committee on Associate of Arts in Teaching (2003-2004); Advisory Council on Associate of Arts in Teaching (2007); Graduate Education Advisory Committee (2008-2010); Accountability Taskforce (2004-2006 and 2008 to present).

University of Texas El Paso: Ft. Bliss Task Force (2007-2008); IT Advisory Committee (2006-2008); Enrollment Management Taskforce (2006-2008); **Co-Chair**, Student Success Internal Task Force (2005); **Chair**, Core Curriculum Assessment Work Group (2003-2005); **Chair**, Dean of Health Science Search Committee (2004); **Chair**, Assistant and Associate Deans Committee (2001-2004); **Chair**, SACS Leadership Team (2003-2006), Institutional Liaison to SACS (2003-2007), **Chair**, Compliance Task Force (2004-2006), **Chair**, Quality Enhancement Plan Committee (2004-2006); **Chair**, Assessment Task Force (2001-2004); **Chair**, Senior Year Experience Committee (2001-2004); UTEP/EPCC Joint Articulation Committee (2002-2006); Athletic Council (2003-2007); Health Policy and Research Committee (2002-2003); **Chair**, Border County Doctoral Loan Committee (2001-2004); **Chair**, Faculty Developmental Leave Committee (2001-2002); **Chair**, Minnie Stevens Piper Selection Committee (2001-2004); Institutional Compliance Committee (2001-2006); Cost Accounting Advisory Committee (2001-2002); Entering Student Program Steering Committee (2000-2002); Search Committee for Dean of Health Sciences (2000); Interamerican Science and Humanities Program (IASHP) Advisory Committee (2000-2002); Advisory Committee for Center for Inter-American and Border Studies (1999-2002); University Seminar Steering Committee (1999-2002) **Chair**, Border Biomedical Research Center Advisory Committee (2005-2008); Search Committee for University Librarian (1997-1998); **Chair**, Public Accountability Study Group (1997-1998); Search Committee for the Assistant Vice President for Enrollment Services (1998-1999); University Fact Book and on-line Services Task Force (1998-1999); University Entering Students Committee (1998-2000);

Hispanic Heritage Committee (1998-2000); Title III grant Work Group (1998); Minority Graduate Education (MGE) grant Work Group (1998); Undergraduate Recruitment Advisory Committee (1997-1999); Research Advisory Council (1997-2003); MIE Steering Committee (1995-2003); **Chair**, MIE New Student Transition Committee (1996-1998); Science Standards Committee (1994-1995); University Catalog and Calendar (Secretary, 1986-1990; **Chair** 1990-1992); Recombinant DNA Committee (1984-1989); Institutional Biohazard Committee (1989-2007); Strategic Planning Committee (1990-1993); Undergraduate Curriculum Committee (1991-1993, 2001-2005); Admissions and Academic Standards Committee (1993-1995, 2002-2005); Coordinator - First College of Science Science Day (1985); Minority Biomedical Research Support Grant Advisory Committee (Chair 87-91). **Departmental Committees:** **Chair**, Graduate Faculty, Department of Biological Sciences (elected 1985-1992); Ad Hoc Committee on Graduate Recruitment; Ad Hoc Committee on Graduate Education; Space Committee; **Chair**, Graduate Advisory Committee; **Chair**, Ad hoc Ph.D. Planning Committee; Virologist Search Committee; Ecologist Search Committee; Microbiologist search committee; Toxicologist Search Committee; RCMF Faculty Search Committee; **Chair**, Visiting Assistant Professor Search Committee; Freshman Biology Curriculum Committee; Graduate Advisor; Computer Committee; **Chair**, Ph.D. Planning Committee; **Chair**, Doctoral Program Committee; Microbiologist Search Committee; **Chair**, Toxicologist Search Committee.

CONSULTANT, EDITORIAL and REVIEW ACTIVITIES

Reviewing and Editorial Activities (ad hoc)

Reviewer for Cancer Research
Reviewer for Mutation Research
Reviewer for Environmental and Molecular Mutagenesis
Reviewer for Mutagenesis
Reviewer for Canadian Journal of Biochemistry and Cell Biology
Reviewer for Photochemistry and Photobiology

Grant Review Activities

Ad Hoc Reviewer - NCRR (since 2006)
Ad Hoc Reviewer – NIEHS (since 2011)
Ad Hoc Reviewer – CDC (since 2005)
Ad Hoc Reviewer - NCI (since 2002).
Site Visit Review Panels - NIGMS (1990-2010)
Special Review Panels - NIGMS (1990-2010)
Ad Hoc Reviewer - NIGMS (1990-2010)
Ad Hoc Reviewer – NSF/EHR (since 1993)
Ad Hoc Reviewer – NSF/HRD (since 2000)
NCI Cancer Fellows Review Panel (since 2001-2011)

Appointed to the MBRS Initial Review Group (NIGMS) (1994-1999).

Chair of the MBRS Initial Review Group (NIGMS) (1997-1999).

RESEARCH SUPPORT

Intramural:

University Research Institute Award. Cell cycle regulation of human apurinic/apyrimidinic endonuclease. \$6,800. Dec. 1, 1984 to Aug. 31 1985.

University Research Institute Award. Cell cycle regulation of apurinic/apyrimidinic endonuclease. \$2,500. Dec. 1, 1985 to Aug. 31, 1986.

University Research Institute Award. Genotoxicity of crown ethers. \$1,500. March 1, 1988 to August 31, 1988.

University Research Institute Award. Molecular Mechanism of azide mutagenesis. \$1,500. November 1, 1991 to August 31, 1992.

Extramural:

Funding Agency: National Science Foundation

Title: Howard/UTEP (HUTEP) AGEP Program

Role: Co-Principal Investigator

Amount: \$2,500,000

Dates: October 1, 2003- September 30, 2008

Funding Agency: National Center for Research Resources/ National Institutes of Health

Title: Border Biomedical Research Center

Role: Program Director

Amount: \$7,500,000

Dates: June 1, 2004- May 31, 2008

Funding Agency: MBRS-SCORE NIGMS SO6GM08012

Title: Novel expression of Chinese hamster AP endonuclease

Role: Principal Investigator

Amount: \$469,236

Dates: June 1, 2004- May 31, 2007

Funding Agency: National Science Foundation. HRD 0217691

Title: Conference/Workshop on "What it means to be educated in the 21st century.

Supplement to the University of Texas System Louis Stokes Alliance for Minority Participation.

Role: Principal Investigator

Amount: \$50,000

Dates: October 1, 2004 – October 31, 2008

Funding Agency: National Science Foundation. **HRD 0217691**

Title: Bridges to the Doctorate Supplement to the University of Texas System Louis Stokes Alliance for Minority Participation.

Role: Principal Investigator

Amount: \$760,000

Dates: September 1, 2003 – October 31, 2008

Funding Agency: Carnegie Corporation of America

Title: The UT El Paso Teachers for a New Era Program.

Role: Project Manager/Principal Investigator

Amount: \$5,000,000.

Dates: September 1, 2003 – August 31, 2008

Funding Agency: National Science Foundation. **HRD 0217691**

Title: The University of Texas System Louis Stokes Alliance for Minority Participation.

Role: Principal Investigator

Amount: \$2,494,000.

Dates: November 1, 2002 – October 31, 2008

Funding Agency: National Institute of General Medical Sciences **GM-08012**

Title: Cell cycle control and expression of AP endonuclease

Role: Sub-Project Investigator

Amount: \$398,269

Dates: June 1, 1999 to May 31, 2003

Funding Agency: National Science Foundation **HRD 9701775**

Title: The University of Texas System Alliance for Minority Participation

Role: Program Director

Amount: \$5,000,000.

Dates: January 1, 1998 to December 31, 2002

Funding Agency: National Science Foundation. **HRD 9701775**

Title: The University of Texas System Alliance for Minority Participation: Supplemental Application for Development of a Virtual Institute on Formative Evaluation.

Role: Program Director

Amount: \$149,000

Dates: January 1, 1998 to June 30, 1999

Funding Agency: National Science Foundation **HRD 9255166**

Title: The University of Texas System Alliance for Minority Participation: Supplemental Application for Social and Behavioral Sciences

Role: Co-Project Director

Amount: \$150,000

Dates: September 1, 1997 to December 31, 1998

Funding Agency: National Institutes of Health. **GM-08012**

Title: Cell Cycle Regulation of DNA Repair

Role: Sub-project Investigator

Amount: \$380,530

Dates: June 1, 1995 to May 31, 1999

Funding Agency: National Institutes of Health. **RR-10126**

Title: Research Experience for High School Students and Teachers.

Role: Principle Investigator

Amount: \$128,116.

Dates: September 30, 1994 to September 29, 1997.

Funding Agency: National Institutes of Health. **RR 03222**

Title: Minority High School Student Research Apprenticeship Program.

Role: Principal Investigator

Amount: \$13,000.

Dates: May 5, 1994 to February 28, 1995.

Funding Agency: Howard Hughes Medical Institute

Title: Undergraduate Biological Sciences Education Program

Role: Associate Program Director for Student Research Activities

Amount: \$850,000

Dates: September 1, 1993 to August 31, 1997

Funding Agency: National Science Foundation. **HRD 9255166**

Title: The University of Texas System Alliance for Minority Participation

Role: Associate Program Director

Amount: \$5,000,000.

Dates: January 1, 1993 to December 31, 1997

Funding Agency: National Science Foundation. **HRD 9253021**

Title: Heavy metal accumulation and toxicity in urban and remote Chihuahuan desert.

Role: Co-Director/ Co-Principle Investigator

Amount: \$349,997.

Dates: September 1992 to September 1996

Funding Agency: National Institutes of Health. **GM 08012**

Sub Project Title: Temporal modulation of DNA repair processes.

Role: Sub-Project Investigator

Amount: \$375,600.

Dates: June 1, 1991 to May 31, 1995.

Funding Agency: National Institutes of Health. **GM 08012**
Title: MBRS Program at the University of Texas at El Paso
Role: Program Director
Amount: \$3,600,000
Dates: June 1, 1991-May 31, 1995

Funding Agency: National Institute of Health. **RR 08012**
Title: Acquisition of an integrated HPLC system.
Role: Co-Principal Investigator
Amount: \$59,950 for purchase of HPLC equipment.

Funding Agency: National Institute of Health, **GM 08012**.
Sub Project Title: Cell cycle regulation of human apurinic/aprimidinic endonuclease.
Role: Sub-Project Investigator/Associate Program Director (5/90)
Amount: \$272,000.
Dates: June 1, 1987 to May 31, 1991.

Funding Agency: National Institute of Health. **ES 04553**
Title: Molecular mechanism of sodium azide mutagenesis.
Role: Principal Investigator
Amount: \$48,850.
Dates: September 1, 1986 to August 31, 1988.

Funding Agency: National Institute of Health. **RR 08012**
Sub Project Title: Cell cycle regulation of human apurinic/aprimidinic endonucleases.
Role: Sub-Project Investigator
Amount: \$32,000.
Dates: Aug. 1, 1986 to May 31, 1987.

PUBLICATIONS

- Vig, B. K., Nilan, R. A. and **Arenaz, P.** (1976) Somatic crossing over in *Glycine max* (L.) Merrill: Induction of somatic crossing over and specific locus mutation by methyl methanesulfonate, *Env. Exp. Bot.* 16: 223-234.
- Arenaz, P.** (1977) The ineffectiveness of hycanthone methanesulfonate in inducing somatic mosaicism in *Glycine max* (L.) Merrill, *Mutation Res.* 48: 187-190.
- Arenaz, P.** (1978) The inability of aminoazo toluene to induce somatic crossing over or mutation in *Glycine max* (L.) Merrill, *Mutation Res.* 56: 295-298.
- Arenaz, P.** and Vig, B. K. (1978) Somatic crossing over in *Glycine max* (L.) Merrill: Activation of dimethylnitrosamine by plant seed and comparison with methyl nitrosourea in inducing somatic mosaicism, *Mutation Res.* 52: 367-380.
- Rosichan, J. L., Nilan, R. A., **Arenaz, P.** and Kleinhofs, A. (1979) Intragenic recombination at the waxy locus in *Hordeum vulgare*, *Barley Genetics Newsletter* 9: 79-85.

- Arenaz, P., Hodgdon, A. L. and Nilan, R. A. (1980) Mutagenic effect of proflavin on barley, *Barley Genetics Newsletter* 10: 6-7.
- Arenaz, P. and Nilan, R. A. (1981) Effects of sodium azide on sister chromatid exchanges in human lymphocytes and Chinese hamster cells, *Mutation Res.* 88: 217-221.
- Hodgdon, A. L., Marcus, A. H., Arenaz, P., Bogyo, T. P., Rosichan, J. L. and Nilan, R. A. (1981) The ontogeny of the barley plant as related to mutation expression and detection of pollen mutations, *Env. Health Perspectives* 37: 5-7.
- Nilan, R. A., Rosichan, J. L., Arenaz, P., Hodgdon, A. L. and Kleinhofs, A. (1981) Pollen genetic markers for detection of mutagens in the environment, *Env. Health Perspectives* 37: 19-25.
- Rosichan, J. L., Arenaz, P., Blake, N., Hodgdon, A. L. and Kleinhofs, A. (1981) An improved method for the detection of mutagens at the waxy locus in *Hordeum vulgare*, *Environmental Mutagenesis* 3: 91-93.
- Hodgdon, A. L., Arenaz, P. and Nilan, R. A. (1981) Results of acridine dye treatment of steptoe barley, *Barley Genetics Newsletter* 11: 69-71.
- Arenaz, P., Nilan, R. A. and Kleinhofs, A. (1983) Lack of induction of single strand breaks in mammalian cells by sodium azide and its proximal mutagen, *Mutation Res.* 116: 423-429.
- Arenaz, P. and Sirover, M. A. (1983) Isolation and purification of monoclonal antibodies directed against the DNA repair enzyme uracil DNA glycosylase from human placenta, *Proc. Natl. Acad. Sci.* 80: 5822-5826.
- Seal, G., Arenaz, P. and Sirover, M. A. (1987) Purification and properties of human placental uracil DNA glycosylase, *Biochimica et Biophysica Acta* 925: 226-233.
- Arenaz, P. and Hallberg, L. (1989) Genotoxicity of azidoalanine in mammalian cells, *Environmental and Molecular Mutagenesis* 13: 263-270.
- Arenaz, P., Hallberg, L., Mancillas, F., Gutierrez, G. and Garcia, S. (1989) Sodium azide mutagenesis in mammals: Inability of mammalian cells to convert azide to a mutagenic intermediate, *Mutation Research* 227: 63-67.
- Arenaz, P., Bitticks, L., Pannell, K. H. and Garcia, S. (1990) Genotoxic potential of crown ethers in *Salmonella typhimurium*, *Mutagenesis* 4: 437-438.
- Arenaz, P., Bitticks, L., Pannell, K. H. and Garcia, S. (1992) Genotoxicity of crown ethers in mammalian cells: Induction of sister chromatid exchange, *Mutation Research* 280: 109-115.
- CAI, M. -Y. and Arenaz, P. (1998) Antimutagenic effects of crown ethers on heavy metal induced sister chromatid exchanges, *Mutagenesis* 13: 27-32.
- Purohit, S. and Arenaz, P. (1999) Molecular cloning, sequencing and structure analysis of hamster apurinic/apyrimidinic endonuclease, *Mutation Research* 435: 215-224.
- Kubo Della-Piana, C. Arenaz, P., Fisher, W., and Flores, B. 2001. CircLES: A comprehensive first-year program for entering engineering and science students, *Proceedings of the America Society for Engineering Education, Session 1237*, pp. 1250.
- Borijigin, M., Martinez, B., Purohit, S., De La Rosa, G., Arenaz, P., Stec, B. (2010) Chinese hamster apurinic/apyrimidinic endonuclease(chAPE1) expressed in sf9 cells reveals that endonuclease activity is regulated by phosphorylation, *FEBS Journal* 277: 4732-4740.

Borijigin, M., Arenaz, P., Stec, B. (2012) Chinese hamster AP endonuclease operates by a two-metal ion assisted catalytic mechanism, *FEBS Letters* 586: 242-247.

PRESENTATIONS, SEMINARS AND INVITED ADDRESSES

American Cyanamid Corporation, Isolation and characterization of monoclonal antibodies to human placental uracil DNA glycosylase, July 1983. **

Division of Biomedical Sciences, Meharry Medical School, Isolation and characterization of monoclonal antibodies to human placental uracil DNA glycosylase, November 1983.

American Cyanamid Corporation, Mutagenicity of sodium azide in mammalian cells, February 1984.

Lung Carcinogenesis Branch, NIEHS, Molecular aspects of the regulation of DNA repair in human cells, March 1984.

Eppley Institute for Cancer Research, Molecular regulation of DNA repair in human cells, March 1984.

Department of Biology, University of Missouri Kansas City, Isolation and characterization of monoclonal antibodies against uracil DNA glycosylase. April 1984.

Department of Biology, University of Texas El Paso, The molecular mechanism of the regulation of DNA repair in humans, April 1984.

St. Christopher Hospital for Children, DNA repair in humans: some molecular aspects, June 1984.

Department of Biology, University of Texas at El Paso, DNA repair in humans: An analysis of the molecular mechanisms involved in base excision repair, September 1984.

Texas Tech Health Sciences Center, An analysis of the regulation of uracil DNA glycosylase, October 1984.

Sigma Xi Lecture, University of Texas El Paso, Sodium azide: a novel mutagen, November 1984.

Texas Carcinogenesis Meeting, Mechanism of sodium azide mutagenesis, *Plenary Session Speaker*, November 1986.

Department of Biochemistry, University of Texas at Austin, Regulation of AP endonuclease in human cells, May 1986.

Department of Biochemistry, University of Texas Health Sciences Center at San Antonio, Genotoxicity of sodium azide, February 1987.

Biology Department, University of Nevada-Reno, Molecular regulation of DNA repair in mammalian cells, April 1987.

Department of Biochemistry, Dental Branch, University of Texas Health Science Center Houston, Regulation of DNA repair in mammals, September 1987.

Departamento de Quimica, Universidad Autonoma de Chihuahua, Chihuahua, Mexico, Molecular mechanisms of DNA repair in mammalian cells, November 1987.

Department of Biology, Wake Forest University, Molecular regulation of DNA repair in mammalian cells, November 1987.

Texas DNA Damage/Repair Conference, Cell cycle regulation of DNA repair in mammalian cells, March 1988.

Department of Chemistry and Program in Molecular Biology, University of Montana, Regulation of DNA repair processes in mammalian cells, March 1988.

- El Paso Cooperative Biomedical Research Seminar, Regulation of DNA repair in mammalian cells, April 1988.
- Department of Pharmacology, West Virginia University, Temporal regulation of DNA repair in mammalian cells, May 1988
- Department of Biology, Temple University, Temporal regulation of DNA repair processes, May 1988.
- Department of Pharmacology, University of Mississippi Medical Center, Temporal control of DNA repair and replication in mammals, September 1988.
- Departamento de Quimica, Universidad Autonoma de Chihuahua, Molecular biology of DNA repair, November 1988.
- MBRS Lecture, Incarnate Word College, Temporal regulation of DNA repair in mammals, November 1988.
- Toxicology Division, Lever Research and Development, Genotoxicity of azidoalanine in mammalian cells, December 1988.
- Life Science Research, Rome Italy, Genotoxicity of azide in mammalian cells, February 1989.
- University of Florida, Temporal modulation of DNA repair processes in mammalian cells, August 1989.
- University of Texas at El Paso, The ethics of genetic engineering, Politea Discussion, December 1990.
- Department of Biology, New Mexico State University, Temporal modulation of DNA repair processes in mammalian cells: an overview, March 1990.
- American Association for Cancer Research, Annual meeting, Career opportunities in basic and clinical cancer research, *Plenary Session Speaker*, May 1990.
- The University of Texas Medical Branch, Galveston, Aberrant temporal modulation of DNA repair processes in repair deficient mammalian cells, April 1991.
- American Association for Cancer Research, Annual meeting, Career opportunities in basic and clinical cancer research, *Plenary Session Speaker*, May 1991.
- Department of Chemistry and Biochemistry, University of Texas at Austin, Temporal control of DNA repair processes in mammalian cells, *Plenary Session Speaker*, May 1991.
- Biology Department, St. Mary's University, San Antonio, Temporal control of DNA repair in mammalian cells, *Invited MBRS Speaker February* 1992.**
- American Association for Cancer Research, Annual meeting, Career opportunities in basic and clinical cancer research, *Plenary Session Speaker*, May 1992.
- Department of Mathematics, University of Texas at El Paso, Almost everything a Statistician wanted to know about DNA but was afraid to ask, February 1993.
- Department of Biochemistry, Emory University School of Medicine, Cell cycle control of DNA repair: Implication for DNA repair deficient syndromes, November 1993.
- Department of Biology, University of Nevada, Cell cycle control of DNA repair: Implication for DNA repair deficient syndromes, April 1994.
- Department of Biology, Clark-Atlanta University, Temporal modulation of DNA repair processes: Implications for genetic instability, April 1995.
- MBRS Program and School of Medicine, University of New Mexico, Temporal modulation of DNA repair processes: Implications for genetic instability, May 1995.

Department of Biology, St. Johns University, Temporal modulation of DNA repair processes: Implications for genetic instability, October 1995.

MBRS Program and Neuroscience Institute, Rutgers University- Newark, Temporal modulation of DNA repair processes: Implications for Genetic instability, April 1996.

MBRS Program and Biochemistry Department, Ponce School of Medicine, Temporal modulation of DNA repair processes: Implications for Genetic instability, August 1996.

The University of Texas Medical Branch, Temporal modulation of DNA repair processes - a model for genomic instability, March 1997.

Access to Engineering, The University of Texas System Louis Stokes Alliance for Minority Participation, November 1997.

Biology Department, The University of Nevada, Reno, Temporal modulation of DNA repair processes - a model for genomic instability, January 1998.**

Access to Engineering, The University of Texas System Louis Stokes Alliance for Minority Participation, November 1998.

Biology Department, University of Texas at Brownsville, Temporal modulation of DNA repair processes - a model for genomic instability, April 1999.

Biology Department and MBRS Program, California State University Northridge, DNA repair and genomic instability, April 2001.

Western New Mexico University, Cooperative learning and the CircLES program, a paradigm shift, August 2001.**

Howard University, The UT System Louis Stokes Alliance for Minority Participation: Ten years of success in STEM, April 2002.**

Howard University, How to succeed in graduate school, April 2002.

University of Illinois/ Hispanic Association of Colleges and Universities Minority Summit, Thirty years of success at UTEP: training minorities in STEM fields, September 2003.

Teachers for a New Era Annual Meeting, Fostering Organizational Change in Higher Education: an administrator's viewpoint, November 2004.

** *Indicates Invited Address*

COURSES TAUGHT

Undergraduate courses: General Biology, General Genetics, General Microbiology, Molecular Genetics, Undergraduate Biochemical Techniques, Molecular and Cellular Biology, Prokaryote Molecular Genetics, Senior Capstone in Biology, Seminar in Critical Inquiry.

Graduate courses: Eukaryotic Gene Regulation, Oncogenes and Cancer, DNA Replication and Repair, Mutagenesis and DNA Repair, Genetic Toxicology and Methods in Biological Chemistry.

GRADUATE STUDENTS SUPERVISED

- Abdollah Darvish** **Graduated with M.S. degree in December 1989 (Co- Director with Bruce Veit).**
- Sandra Trevizo** *Temporal modulation of DNA repair activity human fibroblasts.*
Graduated with M.S. degree in August 1990.
- Lance Hallberg** *Activation of sodium azide in mammalian cells.* **Graduated with M.S. degree in August 1990.**
- Elizabeth Ledger** *Expression and Characterization of a Chinese hamster ovary K1 UDG cDNA.* **Graduated with M.S. degree in December 1993.**
- Maoyi Cai** *An investigation on the genotoxicity of crown ethers in CHO cells.* **Graduated with M.S. degree in December 1993.**
- Fernando Gonzalez** *Cell cycle expression of DNA repair processes in Chinese hamster (CHO) ovary cells.* **Graduated with M.S. degree in December 1996.**
- Mandula Bjorinin** *Characterization of the Chinese hamster apurinic/apyrimidinic endonuclease (chAPE).* **Graduated with Ph.D. in December 2004.**

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: John Sharp, Chancellor
The Texas A&M University System

Subject: Appointment of President of Texas A&M University-Commerce

Proposed Board Action:

Appoint Dr. Ray M. Keck, III as president of Texas A&M University-Commerce, effective immediately.

Background Information:

At an October 2016 special meeting, the Board of Regents named Dr. Ray M. Keck, III as the sole finalist for the position of president of Texas A&M University-Commerce. As required by state law, the 21-day notice has been given.

A copy of Dr. Keck's curriculum vitae is attached.

A&M System Funding or Other Financial Implications:

Chancellor Sharp recommends an initial salary of \$335,265.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM

Office of the Chancellor

October 12, 2016

Members, Board of Regents
The Texas A&M University System

Subject: Appointment of President of Texas A&M University-Commerce

I recommend adoption of the following minute order:

“Effective immediately, Dr. Ray M. Keck, III is hereby appointed president of Texas A&M University-Commerce, at an initial salary of \$335,265.”

Respectfully submitted,

John Sharp
Chancellor

Approval Recommended:

Approved for Legal Sufficiency:

Billy Hamilton
Executive Vice Chancellor and
Chief Financial Officer

Ray Bonilla
General Counsel

Personnel Actions Requiring Board Action

Proposed New Hire:

Name: Dr. Ray M. Keck III
 Title: President, TAMU-Commerce
 Salary: \$ 335,265

External Market Data:

	Survey Name	Survey Job Title	Survey Annual Salary
1.	Salary.com	President	\$428,250
2.	HigherEdJobs.com	President	\$336,000
3.	TexasTribune.org	President	\$435,000
4.			
5.			

Internal Salary Data:

	Incumbent Name	Job Title	Annual Salary
1.	Texas A&M University-Commerce	Past President	\$325,500
2.	Texas A&M University-Corpus Christi	President	\$335,265
3.	Texas A&M University-Kingsville	President	\$335,265
4.	Prairie View A&M University	President	418,645
5.	Tarleton State University	President	335,265

Comments, if necessary:

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Education

Texas Military Institute	1965
Princeton University, AB, magna cum laude,	
Romance Languages and Literatures	1969
Ph.D., Romance Languages and Literatures	1978
Universidad Nacional Autónoma de México, Summer Program	1966 – 1967
Bryn Mawr College in Madrid, Summer Program	
Harvard Divinity School	1968
Rockefeller Brothers Fund Fellow	1969 – 1970
Harvard Graduate School of Education	
The Harvard Seminar for Experienced Presidents Certificate	2008

Organ Study

Mary Krimmel, Westminster Choir College	1965 – 1978
Carl Weinrich, Princeton University	1966 – 1969
John Ferris, Harvard University	1969 – 1970

Employment

The Hotchkiss School	1970 – 1978
Instructor in Spanish and Chair, Dept. Of Modern Languages	
Union National Bank of Laredo	1978 – 1979
International Banking Officer	
Laredo State University	1979 – 1983
Assistant Professor of Spanish	
Assistant to the President	
Charged with organizing first program in development	
Episcopal High School	1983 – 1987
Chair, Foreign Language Department	
Established summer study abroad program in Segovia, Spain	
Potomac School	1987 – 1989
Chair, Foreign Language Department, K-12; continued program in Segovia	
Headed foreign language curricula in grades K-8 and established foreign language program in grades 9-12	
St Anne's Belfield School	1989 – 1993
Director, Upper School	
Charged with the recruitment, hiring, and evaluation of a secondary school faculty of 50; responsible for all aspects of preparatory academic program and college placement	
Texas A&M International University	
Professor of Spanish; Chair, Dept. of Language, Literature & Arts	1994 –
Provost and Vice President for Academic Affairs	1999 – 2001
President	2001 – 2016
Texas A&M University-Commerce	
Interim President	2016 -

Publications

Book

Love's Dialectic: Mimesis and Allegory in the Romances of Lope de Vega.
Oxford, MS: University of Mississippi, 1999.

Essays

"Sweet Nails, Sweet Cross: Metonymy, not Metaphor"

Published 2005, Mise Publication.

"Changing the Blood: Language, Literature, and Teaching." Journal of Hispanic Higher Education, Vol. I, No. 1, January 2002.

"Playing for Apollo: The Technical and Aesthetic Legacy of Carl Weinrich." The Diapason, February, 2000.

"Cide Hamete, Melquíades, Alba Trueba: Marco narrativo y tema en Cervantes, García Márquez y Allende." Crítica Hispánica, Vol XVIII, Otoño, 1996.

"Bach's Legacy: A Musical Offering." American Music Teacher, December/January, 1995-1996.

Works in Progress

Biography of Lope de Vega (In English)

Professional Services

Guided the design and installation of a new 21-rank pipe organ in Laredo, and played the dedication recital in September, 1996. This is the third project completed to bring a new pipe organ to a parish in Laredo.

Revised Spanish curriculum for Texas A&M International University, including Master's of Arts degree in Spanish.

Proposed the joint doctorate in Hispanic Studies in the A&M System.

Assisted in preparation of legislative package and institutional presentation for the 77th legislature.

Guided the preparation of proposals and presentation to the Texas Higher Education Coordinating Board of eight new degrees for this university.

Instituted research track for faculty at a university where teaching has been the faculty's dominant responsibility.

Instituted procedures to ensure proper communication and mentorship by chairs of faculty on probationary status.

Instituted, together with the Office of Institutional Advancement, the university's first honors program.

Initiated and organized the university's first program in fine arts.

Initiated the University's first Office of Distance Learning.

Required all faculty to post online syllabi in each course by September, 2001.

First piloted and then institutionalized a mentorship program for university faculty to guide the development and delivery of Advanced Placement curricula in Laredo schools. This program, the Faculty Fellows, was accepted for participation in a GEAR-UP collaboration involving Texas A&M University, Texas A&M International University, and the Texas Education Agency.

Initiated a task force now working to finalize a plan for dual language curricula/biliteracy in all Laredo schools.

Presented our Faculty Fellows program to both state and national meetings of GEAR-UP.

Organizations

Advisory Council, Department of Romance Languages and Literatures,
Princeton University

Council of Chief Executive Officers, The Texas A&M University System

Council of School Executives for Regents' Initiative for Excellence in Education

Texas Higher Education Coordinating Board Committee for Field of Study	
Texas Higher Education Coordinating Board Committee for Transfer--Colleges and Universities	
Texas Council for the Humanities, Board of Directors	
Named to Governor's Executive Development Program	Fall 2000
Council of Public University Presidents and Chancellors, Executive Committee of the Council Category "A" Representative	October 2004 -
The Philosophical Society of Texas, Member	2004 -
American Association of State Colleges & Universities Committee on Teacher Education Member	2004
Texas International Education Consortium Finance & Investment Committee Member	2004 - 2008
Texas International Education Consortium, Executive Committee Member Vice-Chair	2004 - 2006
Texas Higher Education Coordinating Board Infrastructure Formula Study Committee Member	2004 - 2006
Association of Texas Colleges and Universities	Term Expired: 2005
Texas International Education Consortium, Nominating Committee Member	2008 - 2009
Humanities Texas Board of Directors	2009 - 2014
HACU/NCAA Advisory Group	2010
NCAA Division II Hartland Conference, Presidents' Council Chair	2010 - 2011
Joint Committee on Oversight of Higher Education Governance, Excellence & Transparency	2011
Texas A&M University System, Search Advisory Committee for the Vice Chancellor of Academic Affairs	2011 - 2012
Chancellor's Century Council Member	2012 -
Texas A&M University, University of Texas and Texas Association of Community Colleges, Community College Initiative Member	2012-2013

Speaking Engagements

Master of Ceremonies or speaker for professional organizations and clubs in Laredo, several times each month. Addresses have included a wide variety of topics in literature, education and fine arts.

Commencement Speaker, Texas A&M International University December 1996

Address the State Teacher Forum: "Isaiah Berlin, Romanticism and Teaching", Dallas, TX February 2000

Invited to address conference sponsored by AASCU on International Education February 2000

Graduation Speaker, Spring Commencement, Cigarroa High School May 2000

Keynote Speaker: Texas Foreign Language Association Annual Convention March 30, 2001

Keynote Speaker: Rio Bravo Association Conference. "Rankings and Ravings: Quality of Life". Texas A&M Kingsville. April 2, 2004

Keynote Speaker: Teacher's Award Ceremony. "Caring for Student Success No Excuses, Just Results." Zapata I.S.D. May 14, 2004.

Master of Ceremonies for Princess Pocahontas Pageant in Laredo, Texas February 12, 2006.

Master of Ceremonies for Tuesday Music & Literature Club in Laredo, Texas February 14, 2006.

Master of Ceremonies for Princess Pocahontas Pageant in Laredo, Texas February 10, 2007.

Master of Ceremonies for WBCA-IGNC Bridge Ceremony February 17, 2007.

Honorary Referee for Track and Field, Border Olympics March 3, 2007

Keynote Speaker: Dedication of the Billy Hall, Jr., County Building August 20, 2007

Master of Ceremonies for Society of Martha Washington Colonial Pageant February 21, 2010

Rice University: Presentation on Edmund King's Translations of Gabriel Miro March 9, 2011

Awards

Laredo Community College, "In Recognition of Significant Contributions of Behalf of Higher Education in Our Community"

Toro Award for Distinguished Service, Cigarroa High School	May 1997
Laredo Lulac Council "Tejano Achievers Award"	2001
Laredo Rotary Club "Paul Harris Fellow Award"	2001
American Heart Walk Honorary Chair	2002
Consejo de Instituciones de Nuevo Laredo Appreciation Award	2002
Laredo Philharmonic Orchestra Appreciation Award"	2002 – 2003
United Way Silver Leadership Award	2002 – 2008
Diocese of Laredo Catholic Schools, St. Augustine School Academic Fair Appreciation Award of Participation as a Poetry Judge	2004
Dr. Leo G. Cigarroa High School Student Council, Pride and Patriotism Committee FAMAHISPANA Raices Award	2004
Laredo Junior Achievement, Laredo Business Hall of Fame	2004
Laredo Rotary Club, "Service Above Self Award"	2004 – 2005
Texas A&M International University Faculty Senate "Appreciation Award"	2004 – 2005
TMI -The Episcopal School of Texas, Distinguished Alumnus and Honoree, Stars Over TMI	September 24, 2005
Phi Kappa Phi Honor Society, "Appreciation Award for Services Rendered as Charter Member"	
Zapata County Independent School District, Appreciation Award for "Guest Speaker for the Inauguration of Zapata South Elementary School"	January 28, 2006
League of United Latin American Citizens, LULAC Council 7 and LNB, "Gary G. Jacobs Higher Education Award" presented to Dr. Ray M. Keck, III, "In Grateful Recognition & Appreciation for your Educational Contributions to our Community" at WBCA Noche De Cabaret event.	February 15, 2006
Gateway to Mexico All Sports Clinic "Appreciation Award"	2006
Vidal M. Treviño Award, Outstanding Soccer Volunteer, Border Olympics Plaque presented to Dr. Ray M. Keck, III	March 2, 2006
Kegg Pipe Organ Builders, "In Recognition for Tireless Support of Music in the Arts at Texas A&M International University, and for Unending Enthusiasm for the Sharkey-Corrigan Pipe Organ"	July 23, 2006
Zapata County I.S.D. General Session, "Appreciation Award for Supporting the Zapata Higher Education and Technology Initiative"	August 9, 2006
Leadership Laredo "Appreciation Award for Supporting Leadership Laredo"	September 6, 2006
Laredo Chamber of Commerce Ramiro Sanchez "Spirit of Laredo" Award	2006 – 2007
Divino Magazine published in January 2007 by, Laredo Morning Times, named Dr. Ray M. Keck as "Divino Man of the Year- Leading Laredo's Educational and Cultural Development"	January 2007
KLRN 2007 Women's Health Conference "In Recognition of Continuous Support in Bringing Women's Health Issues to the Community Award"	January 20, 2007
Phi Kappa Delta International, "Appreciation Award for Services Rendered as as Charter Member"	February 23, 2007
West Wind Homes, "Border Olympics Honorary Director Award"	March 1, 2007
Laredo Masonic Lodge #547, "Community Builder Award"	March 2, 2007
Laredo Community College "Meritorious Service Award"	May 12, 2007
LISD/TAMIU Early College High School "Appreciation Award" from students	May 29, 2007
Honorary Recipient of United States Flag from U.S. Marine Corps, Recognizing Support of Troops Stationed at Camp Fallujah, Iraq	July 27, 2007
City of Laredo "Laredo Distinguished Citizen" Award	November 28, 2007
Young Man Youth Leadership Conference, "Certificate of Appreciation" in support of sponsorship and participation	December 14, 2007
Navidad del Barrio, Amalia V. Urbano Volunteer of the Year "Appreciation Award"	December 18, 2007
South Texas Council, Boy Scouts of America, "Laredo Distinguished Citizen Award"	2008
J.B. Alexander High School, "Certificate of Appreciation" in support of "Go Get It" Week	January 2008
Corazones de Tejas – ""Hearts of Texas State Employee Charitable Campaign	April 23, 2008

Leadership Award"	
United High School "Certificate of Appreciation Award"	November 25, 2008
Tzu Chi College of Technology, "Certificate of Appreciation" In Support of Sign	February 8, 2009
Language Opera Performance 'Love Transcends the Sky Line'	
Billy F. Cowart Award in Bilingual Education	April 25, 2009

Professional Memberships

Board of Trustees Member

Journal of Hispanic Higher Education Advisory Board	2003
The Hotchkiss School Board of Trustees Member	2003 – 2005
Laredo Area Community Foundation Board Member	2004 –
Mercy Ministries of Laredo Board of Trustees Chair	2004 –
Texas State Aquarium Board of Trustees Member	2004 –
KLRN Alamo Public Telecommunications Council Board of Directors	2007 –
Humanities Texas	2009

Local Civic Contributions

Laredo Philharmonic Orchestra, Board of Directors and Founding Chairman	
Laredo Daybreak Rotary Club Member	
Webb County Heritage Foundation "Republic of the Rio Grande President"	2001 – 2004
Laredo Educational System Coalition Committee Member	2002 – 2007
Laredo 250th Celebration Committee, Chair	2004 –
Laredo Quality of Life Committee Member	2004
Washington's Birthday Celebration Association Parade Marshall	2004
Phi Kappa Phi Honor Society Member	2005
Phi Delta Kappa International	2006
Council for Excellence in Education	2007
Phi Alpha Delta Law Fraternity International	2007
The Society of Martha Washington	2009
Elected to Portray George Washington for WBCA Celebration	2009
Mr. South Texas	2011

Musical Experience

Organ repertoire includes all the preludes and fugues for organ by J.S. Bach.

Concertized widely in Connecticut, Virginia, and Texas, and the District of Columbia.

Works by J.S. Bach, Buxtehude, Sweelinck, D'Aquin, Mendelssohn, Franck, Vierne, Hindemith, Pepping

Principal organist, Holy Trinity Church, Georgetown	1985 – 1989
Performed organ concertos by Handel, National Gallery Orchestra	1986
Soloist with Laredo Philharmonic Orchestra, to perform Poulenc's "Concerto for Organ and Strings."	1987
Featured organ soloist, Virginia Consort, Charlottesville	1992 – 1994
Invited to address the American Guild of Organists Centennial Convention, special session devoted to organ pedagogy.	July 1996
Organist and Musical Director, Christ Church Episcopal, Laredo	1995 –
Invited to serve as reviewer for new CD's of the works of J.S. Bach, The Diapason.	2000 –
Who's Who in America Achievement Published Biography 58th Ed.	2004

***Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.**