



Agenda Items
Meeting
of the
Board of Regents

November 15, 2018



**MEETING OF THE BOARD OF REGENTS
THE TEXAS A&M UNIVERSITY SYSTEM
November 15, 2018
College Station, Texas**

1. COMMITTEE ON FINANCE

- 1.1 Approval of FY 2020 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 HVAC Replacement Aston Hall Project, Texas A&M University, College Station, Texas (Project No. 02-3238), A&M System
- 3.2 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Texas A&M Veterinary Education, Research & Outreach Center Project, Texas A&M University, Canyon, Texas (Project No. 02-3266), A&M System
- 3.3 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the TVMDL - Canyon Facility Project, Texas A&M Veterinary Medical Diagnostic Laboratory, Canyon, Texas (Project No. 20-3256), A&M System
- 3.4 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the En/Health Building Renovation Project, Texas A&M University Health Science Center, Houston, Texas (Project No. 23-3258), A&M System
- 3.5 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the HVAC Replacement at McFadden Hall Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02204), Texas A&M
- 3.6 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the HVAC Replacement Haas Hall Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02205), Texas A&M
- 3.7 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Mosher Hall Interior Finishes Renovation Project, Texas A&M University (Project No. 2018-03177), 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.*

- 3.8 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Aerothermochemistry Lab Expansion Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02079), Texas A&M
- 3.9 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Agriculture Comprehensive Facility Project, Prairie View A&M University (Project No. PV-0561), PVAMU

Informational 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 Adoption of a Resolution Honoring Dr. Steven H. Tallant as President of Texas A&M University-Kingsville and Bestowing the Title of President Emeritus, A&M System
- 5.2 *Adoption of a Resolution Relating to Texas Task Force 1, A&M System
- 5.3 Formation of a Special Committee of the Board of Regents for Oversight of Matters Relating to the Los Alamos National Laboratory, BOR A&M System

Executive Session Items

- 5.4 *Authorization to Execute a Ground Lease for Phase IX of On-Campus Housing, PVAMU
- 5.5 *Authorization to Execute an Office Space Lease with the Texas 4-H Youth Development Foundation in the Texas A&M AgriLife Extension Service Building Located in College Station, Brazos County, Texas, AgriLife Extension
- 5.6 *Authorization to Renew Lease of Approximately 51,785 Square Feet of Office Space in the Eastmark Building Located in College Station, Brazos County, Texas, TEES
- 5.7 *Authorization for the President to Negotiate and Execute an Agreement and Other Related Documents in Connection with the Purchase of Electricity in FY 2023 through FY 2037 with Bryan Texas Utilities, Texas A&M
- 5.8 *Authorization for the President to Negotiate and Execute Agreements and Other Related Documents for Specialized Medical Education Services between Texas A&M University Health Science Center and Houston Methodist, Texas A&M
- 5.9 *Authorization for the President to Negotiate and Execute an Agreement for Rural Health Initiatives between Texas A&M University Health Science Center and Blue Cross and Blue Shield of Texas, Texas A&M
- 5.10 *Appointment of Agency Director of the Texas A&M Engineering Extension Service, 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.*

- 5.11 *Appointment of President of Texas A&M University-Kingsville, A&M System
- 5.12 *Appointment of Vice Chancellor for Strategic Initiatives, A&M System

6. CONSENT AGENDA ITEMS

The Texas A&M University System/Board of Regents

- 6.1 Approval of Minutes
- 6.2 Granting of the Title of Emeritus, November 2018
- 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 2017-18
- 6.5 Approval of Non-substantive Revisions to System Policy 01.01-System Policies and Regulations, and Member Rules and Procedures
- 6.6 Approval of Non-substantive Revisions to System Policy 02.01-Board of Regents
- 6.7 Approval of Non-substantive Revisions to Various System Policies (02.02–Office of the Chancellor, 02.04-System Members of The Texas A&M University System, and 23.02-Debt Management)
- 6.8 Approval of Non-substantive Revisions to Various Academic-Related System Policies
- 6.9 Approval of Revisions to System Policy 11.10-Academic Program Requests
- 6.10 Approval of Non-substantive Revisions to Various System Policies (13.04-Student Travel, 26.01-Tuition and Fees, 27.03-Annual Operating Budget Process, and 28.03-Vending Machines)

Tarleton State University

- 6.11 Approval of a New Master of Science Degree Program with a Major in Geoscience, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.12 Approval of a New Master of Science Degree Program with a Major in Animal Science, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

Texas A&M International University

- 6.13 Approval of a New Bachelor of Science Degree Program in General Engineering, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

**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.*

Texas A&M University

- 6.14 *Authorization for the President to Negotiate and Execute an Agreement and Other Related Documents in Connection with the Development and Administration of Study Abroad Programs with ACCENT International Consortium for Academic Programs Abroad
- 6.15 *Authorization for the President to Negotiate and Execute Revenue Agreement(s) for the Mays Business School Center for Executive Development for Fiscal Year 2019
- 6.16 Approval for Mr. Christopher Scotti, a System Employee, to Serve in His Official Capacity as a Member of the Board of Directors of StarRotor Corporation, a Business Entity Formed for the Purpose of Development and Commercialization of Technology Owned by The Texas A&M University System
- 6.17 *Authorization for the President to Negotiate and Execute a New Employment Contract for the Head Men's Golf Coach
- 6.18 Approval of Academic Tenure, November 2018
- 6.19 Establishment of the Texas A&M Institute for Technology-Infused Learning
- 6.20 *Naming of Spaces and Rooms in the Music Activities Center
- 6.21 *Naming of the Learning Studio in the Zachry Engineering Education Complex
- 6.22 *Naming of a Classroom within the Thomas G. Hildebrand, DVM '56 Equine Complex
- 6.23 *Naming of the Center for Grand Strategy in the Bush School of Government & Public Service

Texas A&M University-Commerce

- 6.24 Approval of Academic Tenure, November 2018

Texas A&M University-Corpus Christi

- 6.25 *Authorization for the President to Negotiate and Execute a New Employment Contract for the Athletic Director
- 6.26 *Authorization for the President to Negotiate and Execute Amended and Restated Employment Contracts for Two Associate Head Tennis Coaches, the Assistant Women's Basketball Coach, and the Assistant Women's Volleyball Coach

Texas A&M University-Kingsville

- 6.27 Approval of Academic Tenure, November 2018

Texas A&M University-Texarkana

- 6.28 *Naming of Multipurpose Classroom A114 in Patterson Student Center
- 6.29 *Renaming the “Red River Federal Credit Union Activities Game Room” in University Center-UC125 upon its New Location in Patterson Student Center
- 6.30 *Naming of Soccer Field

West Texas A&M University

- 6.31 Withdrawn
- 6.32 *Naming of Various Rooms at West Texas A&M University

Texas A&M Engineering Experiment Station

- 6.33 *Establishment and Naming of the Center for Computer Architecture Research

Texas A&M Engineering Extension Service

- 6.34 Authorization to Execute FY 2019 and FY 2020 Federal Non-Research Grants, Cooperative Agreements and Contracts, and Any Amendments, Modifications or Extensions to Non-Research Grants, Cooperative Agreements and Contracts for the Same Programs

Texas A&M AgriLife Extension Service

- 6.35 Approval of 2019 Stiles Farm Foundation Budget

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
RELLIS	Respect, Excellence, Leadership, Loyalty, Integrity and Selfless Service
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
TTI.....	Texas A&M Transportation Institute
TVMDL.....	Texas A&M Veterinary Medical Diagnostic Laboratory
UTIMCO.....	The University of Texas/Texas A&M Investment Management Company
WTAMU.....	West Texas A&M University

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Agenda Item No.

AGENDA ITEM BRIEFING

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

Subject: Approval of FY 2020 Operating Budget Guidelines

Proposed Board Action:

Approve FY 2020 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.

THE TEXAS A&M UNIVERSITY SYSTEM
Office of the Deputy Chancellor and Chief Financial Officer
September 17, 2018

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

Subject: Approval of FY 2020 Operating Budget Guidelines

I recommend adoption of the following minute order:

“The Texas A&M University System guidelines for the FY 2020 operating budget, as shown in the attached exhibit, are hereby adopted.”

Respectfully submitted,

Billy Hamilton
Deputy 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 2020 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 2020 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 2020 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 2020 Budget Calendar

2019

January/February	FY 2019 budget update provided to the Board
June	Preliminary budgets submitted to the System Office of Budgets and Accounting for review
July/August (TBD)	Programmatic Budget Reviews
August (TBD)	FY 2020 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, Deputy 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 Aston Hall Project, Texas A&M University, College Station, Texas (Project No. 02-3238)

Background and Prior Actions:

The HVAC Replacement Aston Hall Project was included as a proposed project on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$12,560,160 for construction services and related project costs. \$1,395,500 has been previously appropriated.
- (3) Approve construction of the HVAC Replacement Aston Hall Project for 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>\$13,955,660</u>	\$1,000,130	Housing Revenue
Total Project Funds	<u>\$13,955,660</u>		

Project Justification:

Originally constructed in 1975, Aston Hall is a four-story concrete structure consisting of 240 student rooms, 120 shared bathrooms, study rooms and common areas/spaces. The total square footage is approximately 78,288 gross square feet.

Aston 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 four Air Handler Units (AHUs) per floor on each of the four floors of this building, 16 total AHUs. Outside Air (OA) intakes are located on the roof with OA ductwork routed down to each of the 16 mechanical rooms which house the AHUs. Each mechanical room serves as an OA / RA (Return Air) mixing plenum with evidence of moisture-related issues caused by condensation from humid OA being introduced directly into the room. Each pair of dorm rooms shares a restroom which is exhausted by a fan that serves the stacked restrooms.

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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 the aged HVAC system and heating water piping which is routed throughout this facility.

Scope:

This project will replace the entire HVAC system, all associated supply ductwork, and thermal water piping within Aston Hall. The existing constant volume reheat system will be replaced with a dual duct Variable Air Volume (VAV) system. VAV valves will be located above the ceilings in the restrooms, accessed from new flush-mounted access panels located immediately below the valves. A positive means of introducing conditioned (OA) will be provided to improve Indoor Air Quality (IAQ). The 16 custom dual duct air handlers will be located in the existing mechanical rooms on each floor and shall be configured to allow adequate walking and service clearances. Each mechanical room shall also include a fan coil unit to pre-treat all outdoor air. The existing restroom exhaust fans located on the roof will all be replaced.

The existing Chilled Water Pump and Hot Water Pump will be replaced with Variable Frequency Driven pumps. All thermal lines within the crawlspace and within the building will be replaced.

A new Direct Digital Control system will be provided and will be tied into the campus-wide control system for better energy management and control by Utilities and Energy Services. The Water Air Gas Electricity Steam panel will also be modified and upgraded to accommodate the replacement systems.

The Domestic Hot Water (DHW) main piping located in the crawlspace will be replaced and re-insulated. A DHW recirculation system, inclusive of a tank water heater, will be added to maintain hot water throughout the building.

General construction shall consist of the removal and replacement of existing ceilings in hallways and bathrooms to facilitate mechanical work. In lieu of cleaning and reinstalling existing light fixtures, this project will install new, more energy efficient light fixtures. In some rooms, new fur-downs will be provided to conceal new VAV boxes.

The fire protection piping in the corridors and restrooms will be removed to allow installation of the new ductwork and replaced.

Construction on this project is scheduled to start in May 2019, with substantial completion scheduled for July 2019. The total project budget is \$13,955,660.

Other Major Fiscal Impacts:

None.

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THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
October 1, 2018

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 Aston Hall Project, Texas A&M University, College Station, Texas (Project No. 02-3238)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$13,955,660 for the HVAC Replacement Aston Hall Project is approved.

The amount of \$12,560,160 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (Housing Revenue), for construction services and related project costs.

The HVAC Replacement Aston 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

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

Respectfully submitted,

Billy Hamilton
Deputy 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

HVAC REPLACEMENT ASTON HALL TEXAS A&M UNIVERSITY PROJECT NO. 02-3238	PROJECT BUDGET
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1.	Amount Available for Construction Contract	\$11,441,160
2.	Architectural/Engineering Fees	\$ 1,096,000
3.	Physical Plant/Facility Services	\$ 6,500
4.	Data / CIS	\$ 4,500
5.	Telecommunications	\$ 800
6.	Testing and Air Balancing.....	\$ 86,000
7.	Construction Materials Testing	\$ 8,200
8.	FP&C Project Management and Inspection Fees.....	\$ 367,480
9.	Owner's Contingency	\$ 573,000
10.	Miscellaneous.....	<u>\$ 372,020</u>
11.	TOTAL ESTIMATED COST OF PROJECT	<u>\$13,955,660</u>

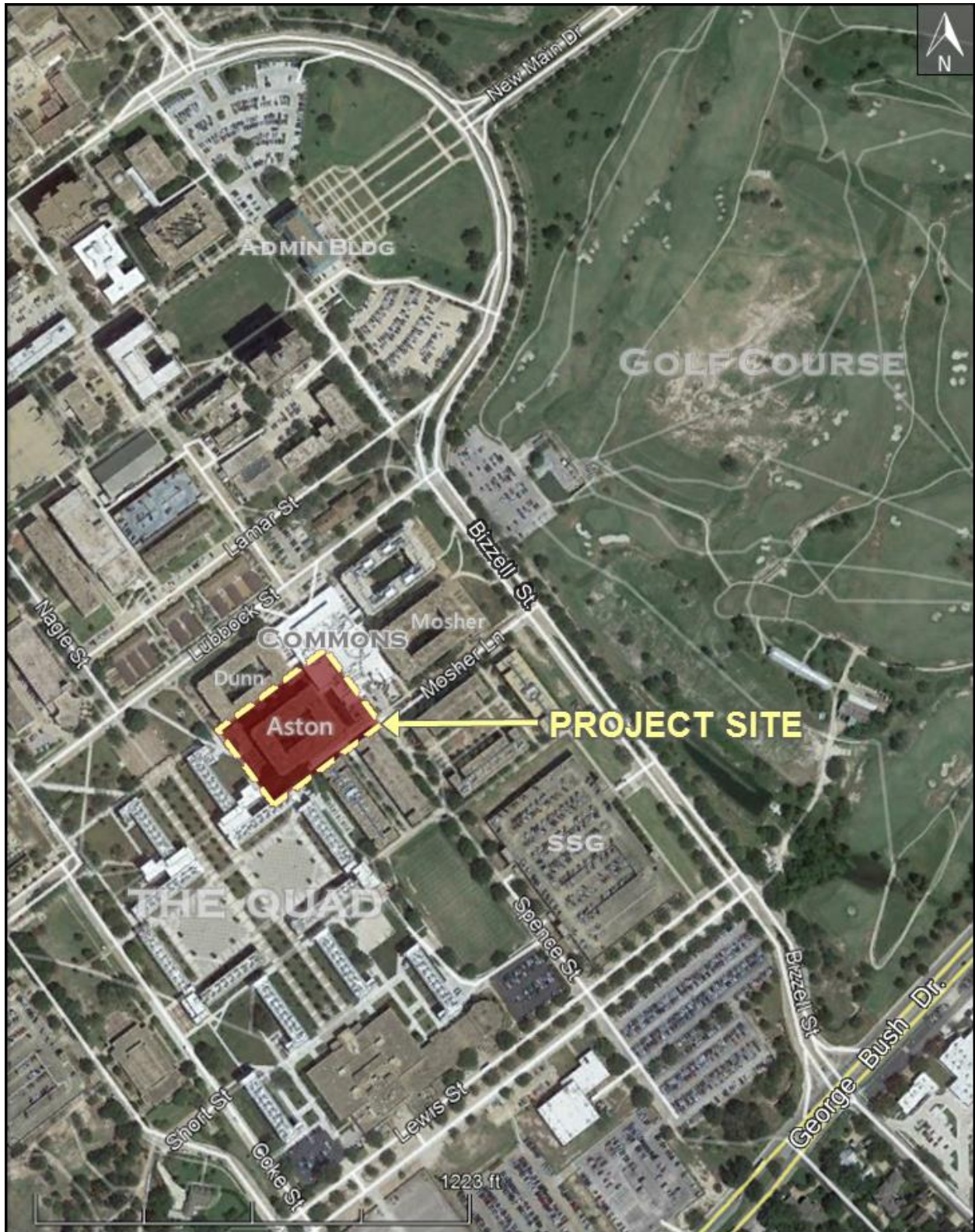
1. Issue A/E Best Value Letter.....July 17, 2018
2. A/E Best Value Approved by Chancellor.....July 20, 2018
3. Issue CMAR RFPJuly 20, 2018
4. Receive CMAR RFP Responses..... August 14, 2018
5. BOR Approval of FY2019-2023 Capital Plan August 16, 2018
6. Shortlist CMAR Firms..... August 17, 2018
7. Interview CMAR Shortlist..... August 28, 2018
8. CMAR Ranked Order Approved by Chancellor..... September 5, 2018
9. Execute A/E Agreement September 25, 2018
10. A/E Design Kickoff September 27, 2018
11. Execute CMAR AgreementOctober 19, 2018
12. Complete Schematic DesignOctober 22, 2018
13. Receive SD Estimate for Construction ApprovalOctober 30, 2018
14. BOR Approval for Construction.....November 15, 2018
15. Complete Design DevelopmentNovember 22, 2018
16. Issue Construction Document Package #1 - Equipment.....November 22, 2018
17. Receive Guaranteed Maximum Price (GMP) from CMAR December 7, 2018
18. Issue Construction Document Package #2 - CD Package #1 December 21, 2018
19. Complete Construction Documents December 21, 2018
20. Full Demolition & Begin Construction..... May 13, 2019
21. Substantial Completion.....July 31, 2019
22. Partial Owner Occupancy - Resident Advisor Move-In..... August 2, 2019
23. Full Owner Occupancy August 15, 2019

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
HVAC Replacement Aston Hall
Housing Revenue**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	14,095,000.00				
YEAR 1	13,800,000.00	295,000.00	704,750.00	999,750.00	1,149,712.50
YEAR 2	13,490,000.00	310,000.00	690,000.00	1,000,000.00	1,150,000.00
YEAR 3	13,165,000.00	325,000.00	674,500.00	999,500.00	1,149,425.00
YEAR 4	12,820,000.00	345,000.00	658,250.00	1,003,250.00	1,153,737.50
YEAR 5	12,460,000.00	360,000.00	641,000.00	1,001,000.00	1,151,150.00
YEAR 6	12,085,000.00	375,000.00	623,000.00	998,000.00	1,147,700.00
YEAR 7	11,690,000.00	395,000.00	604,250.00	999,250.00	1,149,137.50
YEAR 8	11,275,000.00	415,000.00	584,500.00	999,500.00	1,149,425.00
YEAR 9	10,840,000.00	435,000.00	563,750.00	998,750.00	1,148,562.50
YEAR 10	10,380,000.00	460,000.00	542,000.00	1,002,000.00	1,152,300.00
YEAR 11	9,900,000.00	480,000.00	519,000.00	999,000.00	1,148,850.00
YEAR 12	9,395,000.00	505,000.00	495,000.00	1,000,000.00	1,150,000.00
YEAR 13	8,865,000.00	530,000.00	469,750.00	999,750.00	1,149,712.50
YEAR 14	8,310,000.00	555,000.00	443,250.00	998,250.00	1,147,987.50
YEAR 15	7,725,000.00	585,000.00	415,500.00	1,000,500.00	1,150,575.00
YEAR 16	7,110,000.00	615,000.00	386,250.00	1,001,250.00	1,151,437.50
YEAR 17	6,465,000.00	645,000.00	355,500.00	1,000,500.00	1,150,575.00
YEAR 18	5,790,000.00	675,000.00	323,250.00	998,250.00	1,147,987.50
YEAR 19	5,080,000.00	710,000.00	289,500.00	999,500.00	1,149,425.00
YEAR 20	4,335,000.00	745,000.00	254,000.00	999,000.00	1,148,850.00
YEAR 21	3,550,000.00	785,000.00	216,750.00	1,001,750.00	1,152,012.50
YEAR 22	2,725,000.00	825,000.00	177,500.00	1,002,500.00	1,152,875.00
YEAR 23	1,860,000.00	865,000.00	136,250.00	1,001,250.00	1,151,437.50
YEAR 24	955,000.00	905,000.00	93,000.00	998,000.00	1,147,700.00
YEAR 25	-	955,000.00	47,750.00	1,002,750.00	1,153,162.50
		<u>\$ 14,095,000.00</u>	<u>\$ 10,908,250.00</u>	<u>\$ 25,003,250.00</u>	<u>\$ 28,753,737.50</u>

Estimated issuance costs and rounding of \$139,340 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 09/04/2018

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



HVAC Replacement Aston Hall

Texas A&M University

Project No. 02-3238

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy 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 Texas A&M Veterinary Education, Research & Outreach Center Project, Texas A&M University, Canyon, Texas (Project No. 02-3266)

Background and Prior Actions:

The Texas A&M Veterinary Education, Research & Outreach Center Project was included as an approved project on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$19,800,000 for construction services and related project costs. \$2,200,000 has been previously appropriated.
- (3) Approve construction of the Texas A&M Veterinary Education, Research & Outreach Center Project for Texas A&M University (Texas A&M) in Canyon, TX.

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Permanent University Fund Debt Proceeds	<u>\$22,000,000</u>	\$1,708,015	Available University Funds
Total Project Funds	<u>\$22,000,000</u>		

Project Justification:

A prevailing challenge in the veterinary profession is provision of veterinary care in rural communities. Many strategies are in place or have been tried to solve this challenge. One such strategy is based upon the fact that young people from rural communities, especially the Texas Panhandle and Plains region, are more likely to return to those communities. A regional veterinary teaching center located at West Texas A&M University (WTAMU) would serve this critical area. The entire region is within a two-hour drive from the WTAMU campus. The Texas livestock industry, in particular the beef, dairy, and swine industries, is of extraordinary importance to the Panhandle, Texas and the United States. As such, one of the main goals of the Texas A&M College of Veterinary Medicine & Biomedical Sciences (CVM)-WTAMU partnership is to recruit young people with the passion for a career in veterinary medicine, the intellect to be accepted into veterinary school and to be successful in the DVM curriculum, and the work ethic to be successful students and veterinarians.

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Agenda Item Briefing

Culminating a seven-year plan, The Texas A&M University System (A&M System) announced on January 28, 2016, statewide partnerships to expand veterinary education, research, undergraduate education, and outreach into several regions of the state through four A&M System member universities. These partnerships are between the CVM and WTAMU, Prairie View A&M University, Texas A&M University-Kingsville, and Tarleton State University. This integrated system, called the Texas A&M Veterinary Medical Center Partnerships, connects distant communities and regions strategically.

All four of these A&M System members have unique animal science programs, ties to the livestock and/or wildlife industries in their regions, and significant underrepresented minority student populations. Additionally, they are all located within an hour of underserved areas by veterinarians. WTAMU is the first of the partnerships. An affiliation between CVM and WTAMU will clearly create synergies in advancing their overlapping educational, research, and outreach missions in serving the youth and the livestock industries in the Texas Panhandle and Plains.

Veterinary educational plans and opportunities include:

- Pre-veterinary education
- Summer Internships for Texas A&M-CVM students in first to third years
- Externships for Texas A&M-CVM 4th year students
- Continuing veterinary education

There is currently a critical shortage of laboratory space. New laboratory space in this facility will support collaborative, multidisciplinary research among scientists from the region, College Station, other universities and more. Currently, CVM and Texas A&M AgriLife faculty are located in both the Texas Panhandle and in College Station. Research space could also support faculty, graduate students, interns and residents.

A new facility dedicated to education, research, and outreach will enable CVM to:

- Enhance the health of Texas and the region through advancing animal, human, and environmental health (One Health).
- Invest in the young people of Texas, and therefore the future of Texas, as they seek professional careers in veterinary medicine, biomedical sciences, and related disciplines.
- Facilitate the return of students to their home communities, where they will contribute to the economic viability of Texas communities, and at the same time increase the diversity of the veterinary profession in Texas.
- Contribute to the stability and growth of the Texas economy.

Scope:

Facility space includes a multipurpose teaching laboratory with walk-in cooler, walk-in freezer, prep laboratory and clean/dirty vestibules, a large classroom space with an operable partition to serve two smaller seminars, a student commons space, a graduate student bullpen, three BSL-2 research laboratories with core/support and equipment spaces, and administrative (office/ancillary) space. Shell space and add/alternates are included for an additional

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multipurpose teaching laboratory, an additional research laboratory, and an additional medium seminar space. The facility is projected to have a total of 22,564 net assignable square feet, including shell spaces and add/alternates.

Texas A&M's new Veterinary Education, Research & Outreach (VERO) Center facility will be located adjacent to the recently completed WTAMU Agriculture Sciences Complex and the planned Texas A&M Veterinary Medical Diagnostic Laboratory – Canyon Facility, on the northeast side of the WTAMU campus.

Construction on this project is scheduled to start in December 2018, with substantial completion scheduled for June 2020. The total project budget is \$22,000,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
October 1, 2018

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 Texas A&M Veterinary Education, Research & Outreach Center Project, Texas A&M University, Canyon, Texas (Project No. 02-3266)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$22,000,000 for the Texas A&M Veterinary Education, Research & Outreach Center Project is approved.

The amount of \$19,800,000 is appropriated from Account No. 01-084243, Permanent University Fund Debt Proceeds (AUF), for construction services and related project costs.

The Texas A&M Veterinary Education, Research & Outreach Center Project, Texas A&M University, Canyon, 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).”

Respectfully submitted,

Billy Hamilton
Deputy 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

TEXAS A&M VETERINARY EDUCATION, RESEARCH & OUTREACH CENTER TEXAS A&M UNIVERSITY PROJECT NO. 02-3266	PROJECT BUDGET
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1.	Amount Available for Construction Contract	\$16,263,000
2.	Architectural/Engineering Fees	\$ 1,512,660
3.	Physical Plant/Facility Services	\$ 25,000
4.	Data / CIS	\$ 241,000
5.	Telecommunications	\$ 98,000
6.	Security.....	\$ 60,000
7.	Testing and Air Balancing.....	\$ 101,000
8.	Construction Materials Testing	\$ 173,000
9.	Envelope Testing	\$ 70,000
10.	Artwork / Graphics	\$ 25,000
11.	A/V Equipment.....	\$ 345,000
12.	Moveable Equipment	\$ 169,000
13.	Moveable Furnishings	\$ 1,000,000
14.	FP&C Project Management and Inspection Fees.....	\$ 583,000
15.	Owner's Contingency	\$ 685,340
16.	Miscellaneous	<u>\$ 649,000</u>
17.	TOTAL ESTIMATED COST OF PROJECT	<u>\$22,000,000</u>

1. BOR Approval to Add Project to Capital Plan March 9, 2018
2. Programming and A/E Best Value Selection Approved by Chancellor March 13, 2018
3. Execute A/E Agreement for POR Services April 17, 2018
4. Issue CMAR RFP May 29, 2018
5. Receive CMAR RFP June 19, 2018
6. Execute A/E Agreement June 28, 2018
7. Interview CMAR Firms July 10, 2018
8. Issue Request for CMAR Best-and-Final Offer..... July 12, 2018
9. Receive CMAR Best-and-Final Offer July 18, 2018
10. Complete Schematic Design July 19, 2018
11. Select CMAR Ranked Order July 24, 2018
12. CMAR Ranked Order Approved by Chancellor..... July 28, 2018
13. Execute CMAR Agreement September 10, 2018
14. Complete Design Development October 5, 2018
15. Receive GMP from CMAR October 16, 2018
16. BOR Approval for Construction..... November 15, 2018
17. Submit THECB Application November 29, 2018
18. Begin Construction December 17, 2018
19. Complete Construction Documents March 18, 2019
20. Substantial Completion..... June 2020
21. Owner Occupancy..... August 2020

**TEXAS A&M UNIVERSITY
PERMANENT UNIVERSITY FUND
02-3266 Texas A&M Veterinary Education, Research & Outreach (VERO) Complex
Available University Fund**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	22,220,000.00			
YEAR 1	21,510,000.00	710,000.00	999,900.00	1,709,900.00
YEAR 2	20,770,000.00	740,000.00	967,950.00	1,707,950.00
YEAR 3	19,995,000.00	775,000.00	934,650.00	1,709,650.00
YEAR 4	19,185,000.00	810,000.00	899,775.00	1,709,775.00
YEAR 5	18,340,000.00	845,000.00	863,325.00	1,708,325.00
YEAR 6	17,455,000.00	885,000.00	825,300.00	1,710,300.00
YEAR 7	16,535,000.00	920,000.00	785,475.00	1,705,475.00
YEAR 8	15,570,000.00	965,000.00	744,075.00	1,709,075.00
YEAR 9	14,565,000.00	1,005,000.00	700,650.00	1,705,650.00
YEAR 10	13,510,000.00	1,055,000.00	655,425.00	1,710,425.00
YEAR 11	12,410,000.00	1,100,000.00	607,950.00	1,707,950.00
YEAR 12	11,260,000.00	1,150,000.00	558,450.00	1,708,450.00
YEAR 13	10,060,000.00	1,200,000.00	506,700.00	1,706,700.00
YEAR 14	8,805,000.00	1,255,000.00	452,700.00	1,707,700.00
YEAR 15	7,495,000.00	1,310,000.00	396,225.00	1,706,225.00
YEAR 16	6,125,000.00	1,370,000.00	337,275.00	1,707,275.00
YEAR 17	4,695,000.00	1,430,000.00	275,625.00	1,705,625.00
YEAR 18	3,200,000.00	1,495,000.00	211,275.00	1,706,275.00
YEAR 19	1,635,000.00	1,565,000.00	144,000.00	1,709,000.00
YEAR 20	-	1,635,000.00	73,575.00	1,708,575.00
		<u>\$ 22,220,000.00</u>	<u>\$ 11,940,300.00</u>	<u>\$ 34,160,300.00</u>

Estimated issuance costs of \$220,000 are included in this schedule.
Long-term rates are assumed to be 4.50%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 09/11/18

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



Texas A&M Veterinary Education, Research & Outreach Center

Texas A&M University

Project No. 02-3266

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy 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 TVMDL - Canyon Facility Project, Texas A&M Veterinary Medical Diagnostic Laboratory, Canyon, Texas (Project No. 20-3256)

Background and Prior Actions:

The TVMDL - Canyon Facility Project was included as an approved project on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$16,100,000 for construction services and related project costs. \$1,500,000 has been previously appropriated.
- (3) Approve construction of the TVMDL - Canyon Facility Project for the Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL).

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	\$15,600,000	\$1,084,068	General Revenue
Revenue Financing System Debt Proceeds	<u>\$ 2,000,000</u>	\$138,705	Fee Revenue
Total Project Funds	<u>\$17,600,000</u>		

Project Justification:

A high-consequence disease outbreak could result in economic losses of billions of dollars and trade restrictions that could halt exports of Texas agricultural products. The risk of a high-consequence agricultural, emerging, and/or zoonotic disease in Texas and the nation is at an all-time high for a variety of reasons.

With laboratories located in College Station, Center, Gonzales, and Amarillo, TVMDL is the only state agency dedicated to providing veterinary diagnostic services to the state of Texas.

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Uniquely positioned to service the cattle industry, beef and dairy, in the Panhandle of Texas, the current Amarillo laboratory performs as a full-service veterinary diagnostic laboratory, including necropsy and herd health surveillance testing.

The current Amarillo facility was built in 1975 and, after more than 40 years of demanding work, the conditions in the deteriorating facility are challenging TVMDL's ability to fulfill the accreditation requirements set by the American Association of Veterinary Laboratory Diagnosticians (AAVLD). The antiquated infrastructure, improper air flow, inadequate and unsafe necropsy suite, and lack of space for proper decontamination, are just a few issues that jeopardize biosafety and biosecurity within the lab.

Biosafety level 2 (BSL-2) and biosafety level 3 (BSL-3) laboratories are fundamental to the TVMDL mission. BSL-2 & BSL-3 containment is required to meet federal biosafety and select agent requirements for veterinary diagnostic laboratories. These levels of containment help ensure that laboratory personnel are protected when handling diagnostic specimens and that the environment is protected from the release of a high-consequence disease pathogen.

A new facility capable of meeting safety and workflow requirements will ensure TVMDL:

- can continue to operate in support of the livestock, companion animal, and public health industries, with an emphasis on food animal diagnostics;
- remains on the cutting edge of veterinary diagnostics and can advance diagnostic research; and
- is equipped with the latest technology to enhance diagnostic capabilities for animal owners and veterinarians throughout Texas.

Scope:

The new facility will meet or exceed federal biosafety and biosecurity standards and support accreditation by the AAVLD. Facility space will include BSL-2 and BSL-3 laboratories, and BSL-2 necropsy with necessary associated support spaces. Waste sterilization, glassware washing, effluent decontamination systems, carcass disposal, storage areas, administrator, staff and support offices, separate client and employee/guest entrances, conference space, restrooms, and locker rooms are included, with segregation of laboratory (BSL-2/BSL-3) and administrative (office/ancillary) space.

The 11,233 square foot facility will include the following spaces:

- Sample Receiving/Processing
- Bacteriology Laboratory
- Clinical Pathology Laboratory
- Serology Laboratory
- Virology Laboratory
- Shared/Core Lab Space
- BSL-2 Necropsy and Support
- BSL-3 Laboratory and Support
- Collaboration/Conference
- Offices/Administrative Spaces
- Building Support Spaces

The new TVMDL - Canyon Facility Project will be constructed on the northeast side of the West Texas A&M University (WTAMU) campus, adjacent to the Texas A&M Veterinary Education,

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Research & Outreach Center site, just southeast of the recently completed WTAMU Agriculture Sciences Complex.

Construction on this project is scheduled to start in December 2018 with substantial completion scheduled for May 2020. The total project budget is \$17,600,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
September 27, 2018

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 TVMDL - Canyon Facility Project, Texas A&M Veterinary Medical Diagnostic Laboratory, Canyon, Texas (Project No. 20-3256)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$17,600,000 for the TVMDL - Canyon Facility Project is approved.

The amount of \$14,100,000 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (General Revenue), and the amount of \$2,000,000 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (Fee Revenue), for construction services and related project costs.

The TVMDL - Canyon Facility Project, Texas A&M Veterinary Medical Diagnostic Laboratory, Canyon, 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
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

John Sharp
Chancellor

Patrick J. Stover
Vice Chancellor and Dean
Agriculture and Life Sciences

Bruce L. Akey, Director
Texas A&M Veterinary Medical
Diagnostic Laboratory

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

TVMDL - CANYON FACILITY TEXAS A&M VETERINARY MEDICAL DIAGNOSTIC LABORATORY PROJECT NO. 20-3256	PROJECT BUDGET
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1.	Amount Available for Construction Contract	\$13,428,000
2.	Architectural/Engineering Fees	\$ 1,385,500
3.	Physical Plant/Facility Services	\$ 5,000
4.	Data / CIS	\$ 62,000
5.	Telecommunications	\$ 30,000
6.	Security.....	\$ 80,000
7.	Testing and Air Balancing.....	\$ 52,000
8.	Construction Materials Testing	\$ 30,000
9.	Envelope Testing.....	\$ 40,000
10.	Artwork / Graphics	\$ 5,000
11.	A/V Equipment.....	\$ 16,000
12.	Moveable Equipment	\$ 605,000
13.	Moveable Furnishings	\$ 244,000
14.	FP&C Project Management and Inspection Fees.....	\$ 455,000
15.	Owner's Contingency	\$ 677,000
16.	Miscellaneous	\$ 485,500
17.	TOTAL ESTIMATED COST OF PROJECT	<u>\$17,600,000</u>

1. BOR Approval to add project to FY2018-2022 Capital Plan August 23, 2017
2. Issue A/E RFQ September 27, 2017
3. Issue CMAR RFP October 10, 2017
4. Receive A/E RFQ Responses October 19, 2017
5. Shortlist A/E Firms October 23, 2017
6. Evaluate A/E Shortlist October 27, 2017
7. Receive CMAP RFP Responses October 31, 2017
8. A/E Ranked Order Approved by Chancellor November 15, 2017
9. Shortlist CMAR Firms November 16, 2017
10. Interview CMAR Shortlist November 28, 2017
11. CMAR Ranked Order Approved by Chancellor December 13, 2017
12. A/E Design Kickoff February 9, 2018
13. Execute CMAR Agreement February 28, 2018
14. Execute A/E Agreement March 19, 2018
15. Complete Schematic Design June 1, 2018
16. Complete Design Development August 15, 2018
17. BOR Approval of FY2019-2023 Capital Plan August 16, 2018
18. Receive GMP from CMAR October 16, 2018
19. BOR Approval for Construction November 15, 2018
20. Submit THECB Application November 29, 2018
21. Begin Construction December 17, 2018
22. Complete Construction Documents March 18, 2019
23. Substantial Completion May 2020
24. Owner Occupancy July 2020

**TEXAS A&M VETERINARY MEDICAL DIAGNOSTIC LABORATORY
REVENUE FINANCING SYSTEM
20-3256 Texas A&M Veterinary Medical Diagnostic Laboratory, Canyon Facility
General Revenue**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	15,755,000.00			
YEAR 1	15,535,000.00	220,000.00	866,525.00	1,086,525.00
YEAR 2	15,305,000.00	230,000.00	854,425.00	1,084,425.00
YEAR 3	15,065,000.00	240,000.00	841,775.00	1,081,775.00
YEAR 4	14,810,000.00	255,000.00	828,575.00	1,083,575.00
YEAR 5	14,540,000.00	270,000.00	814,550.00	1,084,550.00
YEAR 6	14,255,000.00	285,000.00	799,700.00	1,084,700.00
YEAR 7	13,955,000.00	300,000.00	784,025.00	1,084,025.00
YEAR 8	13,640,000.00	315,000.00	767,525.00	1,082,525.00
YEAR 9	13,305,000.00	335,000.00	750,200.00	1,085,200.00
YEAR 10	12,950,000.00	355,000.00	731,775.00	1,086,775.00
YEAR 11	12,580,000.00	370,000.00	712,250.00	1,082,250.00
YEAR 12	12,190,000.00	390,000.00	691,900.00	1,081,900.00
YEAR 13	11,775,000.00	415,000.00	670,450.00	1,085,450.00
YEAR 14	11,340,000.00	435,000.00	647,625.00	1,082,625.00
YEAR 15	10,880,000.00	460,000.00	623,700.00	1,083,700.00
YEAR 16	10,395,000.00	485,000.00	598,400.00	1,083,400.00
YEAR 17	9,885,000.00	510,000.00	571,725.00	1,081,725.00
YEAR 18	9,345,000.00	540,000.00	543,675.00	1,083,675.00
YEAR 19	8,775,000.00	570,000.00	513,975.00	1,083,975.00
YEAR 20	8,175,000.00	600,000.00	482,625.00	1,082,625.00
YEAR 21	7,540,000.00	635,000.00	449,625.00	1,084,625.00
YEAR 22	6,870,000.00	670,000.00	414,700.00	1,084,700.00
YEAR 23	6,165,000.00	705,000.00	377,850.00	1,082,850.00
YEAR 24	5,420,000.00	745,000.00	339,075.00	1,084,075.00
YEAR 25	4,635,000.00	785,000.00	298,100.00	1,083,100.00
YEAR 26	3,805,000.00	830,000.00	254,925.00	1,084,925.00
YEAR 27	2,930,000.00	875,000.00	209,275.00	1,084,275.00
YEAR 28	2,005,000.00	925,000.00	161,150.00	1,086,150.00
YEAR 29	1,030,000.00	975,000.00	110,275.00	1,085,275.00
YEAR 30	-	1,030,000.00	56,650.00	1,086,650.00
		<u>\$ 15,755,000.00</u>	<u>\$ 16,767,025.00</u>	<u>\$ 32,522,025.00</u>

Estimated issuance costs and rounding of \$155,000 are included in this schedule.
 Long-term rates are assumed to be 5.50%. Rates are subject to market change.
 Prepared by the Office of the Treasurer - Treasury Services 09/12/2018

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

**TEXAS A&M VETERINARY MEDICAL DIAGNOSTIC LABORATORY
REVENUE FINANCING SYSTEM
20-3256 Texas A&M Veterinary Medical Diagnostic Laboratory, Canyon Facility
Fee Revenue**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	2,020,000.00				
YEAR 1	1,990,000.00	30,000.00	111,100.00	141,100.00	162,265.00
YEAR 2	1,960,000.00	30,000.00	109,450.00	139,450.00	160,367.50
YEAR 3	1,930,000.00	30,000.00	107,800.00	137,800.00	158,470.00
YEAR 4	1,895,000.00	35,000.00	106,150.00	141,150.00	162,322.50
YEAR 5	1,860,000.00	35,000.00	104,225.00	139,225.00	160,108.75
YEAR 6	1,825,000.00	35,000.00	102,300.00	137,300.00	157,895.00
YEAR 7	1,785,000.00	40,000.00	100,375.00	140,375.00	161,431.25
YEAR 8	1,745,000.00	40,000.00	98,175.00	138,175.00	158,901.25
YEAR 9	1,700,000.00	45,000.00	95,975.00	140,975.00	162,121.25
YEAR 10	1,655,000.00	45,000.00	93,500.00	138,500.00	159,275.00
YEAR 11	1,605,000.00	50,000.00	91,025.00	141,025.00	162,178.75
YEAR 12	1,555,000.00	50,000.00	88,275.00	138,275.00	159,016.25
YEAR 13	1,500,000.00	55,000.00	85,525.00	140,525.00	161,603.75
YEAR 14	1,445,000.00	55,000.00	82,500.00	137,500.00	158,125.00
YEAR 15	1,385,000.00	60,000.00	79,475.00	139,475.00	160,396.25
YEAR 16	1,325,000.00	60,000.00	76,175.00	136,175.00	156,601.25
YEAR 17	1,260,000.00	65,000.00	72,875.00	137,875.00	158,556.25
YEAR 18	1,190,000.00	70,000.00	69,300.00	139,300.00	160,195.00
YEAR 19	1,115,000.00	75,000.00	65,450.00	140,450.00	161,517.50
YEAR 20	1,040,000.00	75,000.00	61,325.00	136,325.00	156,773.75
YEAR 21	960,000.00	80,000.00	57,200.00	137,200.00	157,780.00
YEAR 22	875,000.00	85,000.00	52,800.00	137,800.00	158,470.00
YEAR 23	785,000.00	90,000.00	48,125.00	138,125.00	158,843.75
YEAR 24	690,000.00	95,000.00	43,175.00	138,175.00	158,901.25
YEAR 25	590,000.00	100,000.00	37,950.00	137,950.00	158,642.50
YEAR 26	485,000.00	105,000.00	32,450.00	137,450.00	158,067.50
YEAR 27	375,000.00	110,000.00	26,675.00	136,675.00	157,176.25
YEAR 28	255,000.00	120,000.00	20,625.00	140,625.00	161,718.75
YEAR 29	130,000.00	125,000.00	14,025.00	139,025.00	159,878.75
YEAR 30	-	130,000.00	7,150.00	137,150.00	157,722.50
		<u>\$ 2,020,000.00</u>	<u>\$ 2,141,150.00</u>	<u>\$ 4,161,150.00</u>	<u>\$ 4,785,322.50</u>

Estimated issuance costs and rounding of \$20,000 are included in this schedule.
Long-term rates are assumed to be 5.50%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 09/12/2018

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



TVMDL - Canyon Facility

Texas A&M Veterinary Medical Diagnostic Laboratory

Project No. 20-3256

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy 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 En/Health Building Renovation Project, Texas A&M University Health Science Center, Houston, Texas (Project No. 23-3258)

Background and Prior Actions:

The En/Health Building Renovation Project was included as a proposed project on the FY 2018 – FY 2022 A&M System Capital Plan approved by the Board at the August 2017 meeting. The initial proposed project planning amount of \$112,000,000 included \$45,000,000 for the renovation project (\$67,000,000 was available for the purchase of real estate).

The En/Health Building Renovation Project was included as an approved project at \$45,000,000 with an addition of \$40,718,000 on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$77,146,200 for construction services and related project costs. \$8,571,800 has been previously appropriated.
- (3) Approve construction of the En/Health Building Renovation Project for 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>
Permanent University Fund Debt Proceeds	\$69,718,000	\$4,844,402	Available University Fund
Cash (HSC Project Reserve)	<u>\$16,000,000</u>	N/A	N/A
Total Project Funds	<u>\$85,718,000</u>		

Project Justification:

Supporting the commitment to transformational learning and discovery, TAMHSC proposes to renovate an existing building in the Houston Texas Medical Center to support a new Engineering

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Health (En/Health) initiative. EnMed – a multi-college health initiative – will create new types of health care professionals that combine an engineering approach with patient care to innovate new medical technology and processes. Graduating with a Doctor of Medicine and a non-thesis Master of Engineering, students will complete all academic and professional requirements for both degrees and gain exposure to entrepreneurship and commercialization opportunities.

The EnMed program is currently being piloted through the program at the TAMHSC campus in Bryan/College Station. This pilot program will grow into a class of 25 EnMed students through partnership with the Houston Methodist hospital system, and the program will move full-time to the Texas Medical Center (TMC) in Houston. As the program fully matriculates into a class of 50 students, EnMed will require more capacity than can be currently provided by Houston Methodist's 5th and 6th floors of West Pavilion. Renovating the facility at 1020 Holcombe will provide additional capacity to train pre-clerkship students in their first 18 months of education.

This shift will allow the existing resources at West Pavilion to better support National Board of Medical Examiners and Objective Structured Clinical Examination testing for clerkship students who are completing rotations in internal medicine, surgery, family medicine, psychology, pediatrics, obstetrics-gynecology, and emergency medicine. The newly renovated facility will also include a medical innovation space so that students in their final year of education can prototype proof-of-concept devices and technology to fulfill the graduation requirement to create a medical innovation.

By providing space to support an innovative education model and development of new technologies, the En/Health Building Renovation Project will become a powerful tool to set the standard in health care excellence.

Scope:

In September 2017, the Board authorized the purchase of an 18-story tower and 2-story low-rise building (approximately 281,000 gross square feet) on 5.5 acres of land at 1020 Holcombe Boulevard. Just south of the TMC, the building was purchased to serve as the home of the new Engineering Health (En/Health) initiative. EnMed – a collaboration between the College of Medicine and the College of Engineering in partnership with Houston Methodist Hospital – will be the first program to occupy the building. The existing facility, originally constructed in 1952 (low-rise) and 1962 (tower), requires a series of renovations to upgrade the building infrastructure (mechanical, electrical, plumbing, and facade systems) and meet code and life safety requirements.

The proposed En/Health Building Renovation Project totals approximately 71,944 gross square feet (GSF) which translates to approximately 57,555 assignable square feet (ASF) at 80% efficiency. Allotting over two-thirds of the assignable square footage to instruction, the new facility will support the pre-clerkship education of EnMed students. Featuring active-learning classrooms, smaller seminar-style classrooms, a multidisciplinary teaching lab, and standardized patient/simulation space, the new facility will provide a variety of learning environments to support a new medical education model. To further support the blending of medical education and engineering research, a medical innovation space is included to provide access to specialized equipment and collaboration space for students to create new devices and technology. Students

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will also have access to open study space and lounge space to promote informal learning, study, and peer-to-peer collaboration. An office suite, with dedicated workspace for faculty and staff, will provide educational and administrative support for the program.

Construction on this project is scheduled to start in December 2018, with substantial completion for Floors B-4 scheduled for May 2020 and for Floors 5-18 scheduled for August 2020. The total project budget is \$85,718,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

**THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION**
Office of the Deputy Chancellor and Chief Financial Officer
October 1, 2018

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 En/Health Building Renovation Project, Texas A&M University Health Science Center, Houston, Texas (Project No. 23-3258)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$85,718,000 for the En/Health Building Renovation Project is approved.

The amount of \$61,146,200 is appropriated from Account No. 01-085640, Permanent University Fund Debt Proceeds (AUF), and the amount of \$16,000,000 is appropriated from Account No. 01-020131, HSC Project Reserve, for construction services and related project costs.

The En/Health Building Renovation Project, Texas A&M University Health Science Center, Houston, 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).”

Respectfully submitted,

Billy Hamilton
Deputy 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

Carrie L. Byington, MD, Senior Vice President
Texas A&M University Health Science Center

EN/HEALTH BUILDING RENOVATION	PROJECT BUDGET
TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER	
PROJECT NO. 23-3258	

1.	Amount Available for Construction Contract	\$66,550,000
2.	Architectural/Engineering Fees	\$ 4,091,000
3.	Physical Plant/Facility Services	\$ 35,000
4.	Data / Telecommunications	\$ 1,098,606
5.	Security.....	\$ 340,000
6.	Testing and Air Balancing.....	\$ 112,500
7.	Construction Materials Testing	\$ 125,000
8.	Wind Tunnel Testing.....	\$ 55,000
9.	Artwork / Graphics	\$ 5,000
10.	A/V Equipment.....	\$ 1,040,500
11.	Moveable Equipment	\$ 2,000,000
12.	Moveable Furnishings	\$ 2,000,000
13.	FP&C Project Management and Inspection Fees.....	\$ 2,090,000
14.	Owner's Contingency	\$ 3,260,950
15.	Miscellaneous	<u>\$ 2,914,444</u>
16.	TOTAL ESTIMATED COST OF PROJECT	<u>\$85,718,000</u>

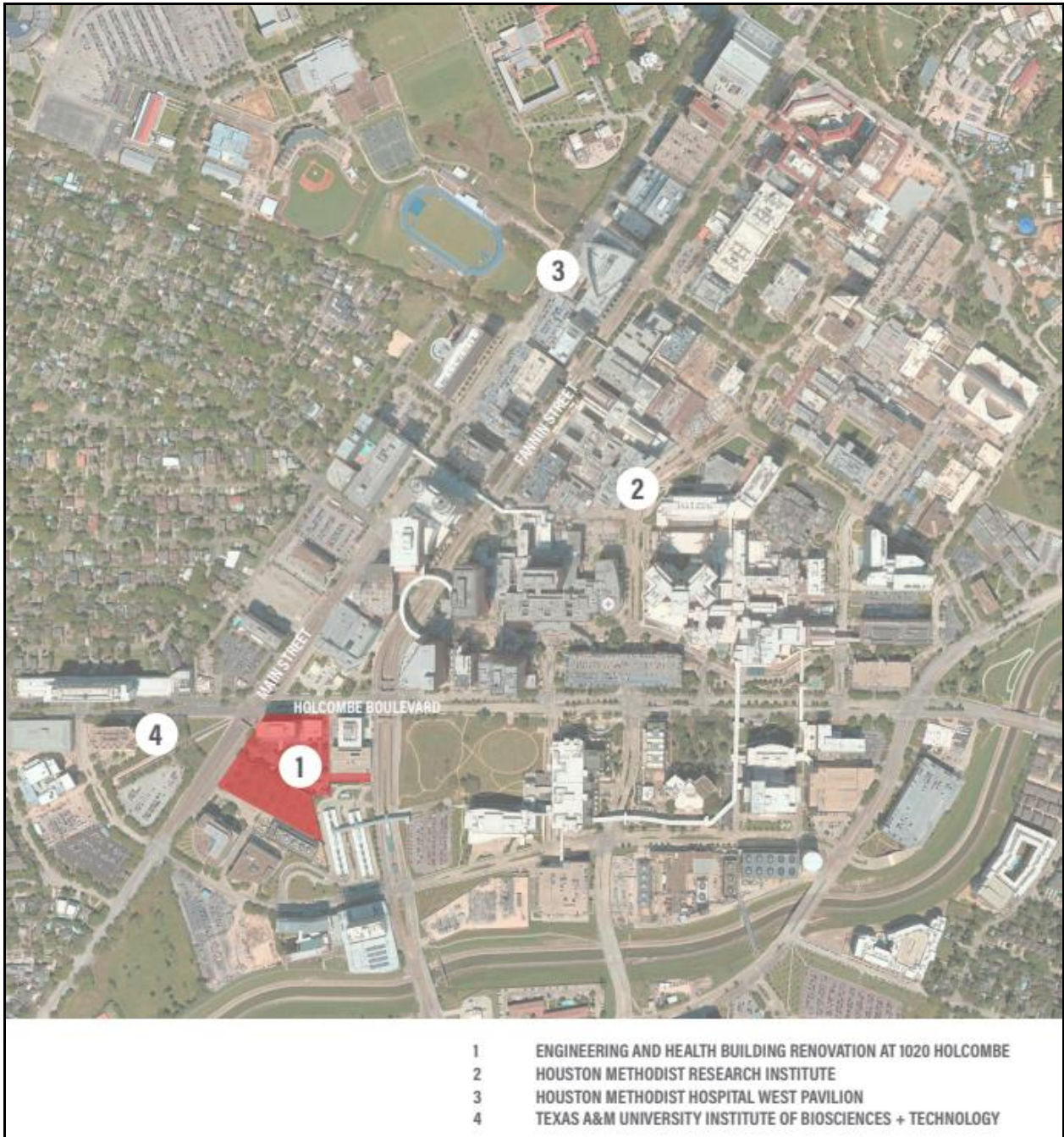
1. BOR Approval to add project to FY2018-2022 Capital Plan August 23, 2017
2. Issue A/E RFQOctober 19, 2017
3. Issue CMAR RFPOctober 31, 2017
4. Receive A/E RFQ Responses.....November 10, 2017
5. Shortlist A/E FirmsNovember 17, 2017
6. Receive CMAR RFP ResponsesNovember 28, 2017
7. Interview A/E ShortlistNovember 30, 2017
8. Shortlist CMAR Firms December 5, 2017
9. Interview CMAR Shortlist December 14, 2017
10. A/E Ranked Order Approved by Chancellor December 18, 2017
11. CMAR Ranked Order Approved by Chancellor December 21, 2017
12. A/E Design Kickoff February 5, 2018
13. Execute CMAR Agreement March 19, 2018
14. Execute A/E Agreement July 10, 2018
15. Complete Schematic Design July 17, 2018
16. BOR Approval of FY2019-2023 Capital Plan (Budget Addition) August 16, 2018
17. Complete Design Development September 6, 2018
18. Begin Construction (NTP 1 - Abatement & Demolition) September 10, 2018
19. Receive GMP from CMAR October 4, 2018
20. BOR Approval for Construction November 15, 2018
21. Begin Construction (NTP 2 - Full Construction) December 4, 2018
22. Submit THECB Application December 19, 2018
23. Complete Construction Documents February 5, 2019
24. Substantial Completion for Floors B-4 May 2020
25. Owner Occupancy for Floors B-4 July 2020
26. Substantial Completion for remaining floors (Floors 5-18) August 2020

**TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER
PERMANENT UNIVERSITY FUND
23-3258 En/Health Building Renovation
Available University Fund**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	70,405,000.00			
YEAR 1	69,435,000.00	970,000.00	3,872,275.00	4,842,275.00
YEAR 2	68,410,000.00	1,025,000.00	3,818,925.00	4,843,925.00
YEAR 3	67,330,000.00	1,080,000.00	3,762,550.00	4,842,550.00
YEAR 4	66,190,000.00	1,140,000.00	3,703,150.00	4,843,150.00
YEAR 5	64,985,000.00	1,205,000.00	3,640,450.00	4,845,450.00
YEAR 6	63,715,000.00	1,270,000.00	3,574,175.00	4,844,175.00
YEAR 7	62,375,000.00	1,340,000.00	3,504,325.00	4,844,325.00
YEAR 8	60,960,000.00	1,415,000.00	3,430,625.00	4,845,625.00
YEAR 9	59,470,000.00	1,490,000.00	3,352,800.00	4,842,800.00
YEAR 10	57,895,000.00	1,575,000.00	3,270,850.00	4,845,850.00
YEAR 11	56,235,000.00	1,660,000.00	3,184,225.00	4,844,225.00
YEAR 12	54,485,000.00	1,750,000.00	3,092,925.00	4,842,925.00
YEAR 13	52,635,000.00	1,850,000.00	2,996,675.00	4,846,675.00
YEAR 14	50,685,000.00	1,950,000.00	2,894,925.00	4,844,925.00
YEAR 15	48,630,000.00	2,055,000.00	2,787,675.00	4,842,675.00
YEAR 16	46,460,000.00	2,170,000.00	2,674,650.00	4,844,650.00
YEAR 17	44,170,000.00	2,290,000.00	2,555,300.00	4,845,300.00
YEAR 18	41,755,000.00	2,415,000.00	2,429,350.00	4,844,350.00
YEAR 19	39,205,000.00	2,550,000.00	2,296,525.00	4,846,525.00
YEAR 20	36,515,000.00	2,690,000.00	2,156,275.00	4,846,275.00
YEAR 21	33,680,000.00	2,835,000.00	2,008,325.00	4,843,325.00
YEAR 22	30,685,000.00	2,995,000.00	1,852,400.00	4,847,400.00
YEAR 23	27,530,000.00	3,155,000.00	1,687,675.00	4,842,675.00
YEAR 24	24,200,000.00	3,330,000.00	1,514,150.00	4,844,150.00
YEAR 25	20,685,000.00	3,515,000.00	1,331,000.00	4,846,000.00
YEAR 26	16,980,000.00	3,705,000.00	1,137,675.00	4,842,675.00
YEAR 27	13,070,000.00	3,910,000.00	933,900.00	4,843,900.00
YEAR 28	8,945,000.00	4,125,000.00	718,850.00	4,843,850.00
YEAR 29	4,590,000.00	4,355,000.00	491,975.00	4,846,975.00
YEAR 30	-	4,590,000.00	252,450.00	4,842,450.00
		<u>\$ 70,405,000.00</u>	<u>\$ 74,927,050.00</u>	<u>\$ 145,332,050.00</u>

Estimated issuance costs and rounding of \$687,000 are included in this schedule.
 Long-term rates are assumed to be 5.50%. Rates are subject to market change.
 Prepared by the Office of the Treasurer - Treasury Services 09/10/2018

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



En/Health Building Renovation

Texas A&M University Health Science Center

Project No. 23-3258

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 HVAC Replacement at McFadden Hall Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02204)

Background and Prior Actions:

The HVAC Replacement at McFadden Hall Project was included as an approved project on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$6,143,578 for construction services and related project costs and revert previous appropriations to the source account. \$761,422 previously appropriated for pre-construction services.
- (3) Approve construction of the HVAC Replacement at McFadden 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>\$6,905,000</u>	\$494,950	Housing Revenue
Total Project Funds	<u>\$6,905,000</u>		

Project Justification:

Originally constructed in 1979, McFadden Hall is a four-story concrete structure consisting of 120 modular rooms/spaces (the majority being dorm rooms). Total square footage is approximately 62,156 gross square feet (GSF). Each room is conditioned by an individual Fan Coil Unit (FCU) served by a four-pipe Chilled Water (CHW) and Heating Water (HW) piping distribution system. Each room has a pneumatic thermostat and fan speed control switch (Hi/Med/Lo/Off). Corridors are conditioned by floor-mounted FCUs as well as two Outside Air Units (OAU) located on the roof with a duct chase located adjacent to the stairwells on both ends of each floor.

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Outside air (OA) is served to the corridor and introduced to each room via door undercut using bathroom exhaust to draw. OA short circuits from corridor to the bathroom without mixing in the room space. Stairwells are not currently conditioned. OA intake louvers are located in areaway near grade and ducted in crawl space to ventilate crawlspace via two fans.

The Heating Ventilation Air Conditioning (HVAC) system has reached the end of its useful life and is in need of replacement.

Scope:

This project will replace all FCUs with new four-pipe FCUs with HW coils in the re-heat position. Each room will have a thermostat and humidistat to implement a humidity control strategy at the room level. A fan speed controller will be provided in each room to allow for student control of FCU. Corridor floor-mounted FCUs will be replaced. Conditioned OA will be provided via new roof-mounted air handler with integral Energy Recovery Unit (ERU). Existing exhaust fans will be removed. New exhaust ductwork will be manifolded on the roof and routed to the ERU to capture energy currently being exhausted. New OA and exhaust duct risers will be installed to introduce conditioned fresh air into each room. A new FCU will be provided to serve the stairwells.

General construction shall consist of the removal and replacement of existing ceilings to facilitate mechanical work. A bid alternate for one new roof hatch for safer roof access as well as an alternate for two new floor hatches to be located in each stairwell will be issued to provide access for replacement of and repair of crawl space exhaust fans.

Construction on this project is scheduled to start in December 2018 with substantial completion scheduled for July 2019. The total project budget is \$6,905,000.

Other Major Fiscal Impacts:

None.

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TEXAS A&M UNIVERSITY

Office of the President

September 28, 2018

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 McFadden Hall Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02204)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$6,905,000 for the HVAC Replacement at McFadden Hall Project is approved.

The amount of \$6,143,578 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (Housing Revenue), for construction services and related project costs.

The HVAC Replacement at McFadden 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

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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:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

HVAC REPLACEMENT AT MCFADDEN HALL	PROJECT BUDGET
TEXAS A&M UNIVERSITY	
SSC PROJECT NO. 2017-02204	

1.	Amount Available for Construction Contract.....	\$5,636,290
2.	Owner’s Contingency	563,629
3.	Architectural/Engineering Fees	444,000
4.	SSC Project Management Fees	201,092
5.	SSC/Physical Plant Services	24,000
6.	Energy System Testing & Balancing	27,625
7.	Other Project Costs	<u>\$ 8,364</u>
8.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$6,905,000</u>

HVAC REPLACEMENT AT MCFADDEN HALL**PROJECT SCHEDULE****TEXAS A&M UNIVERSITY****SSC PROJECT NO. 2017-02204**

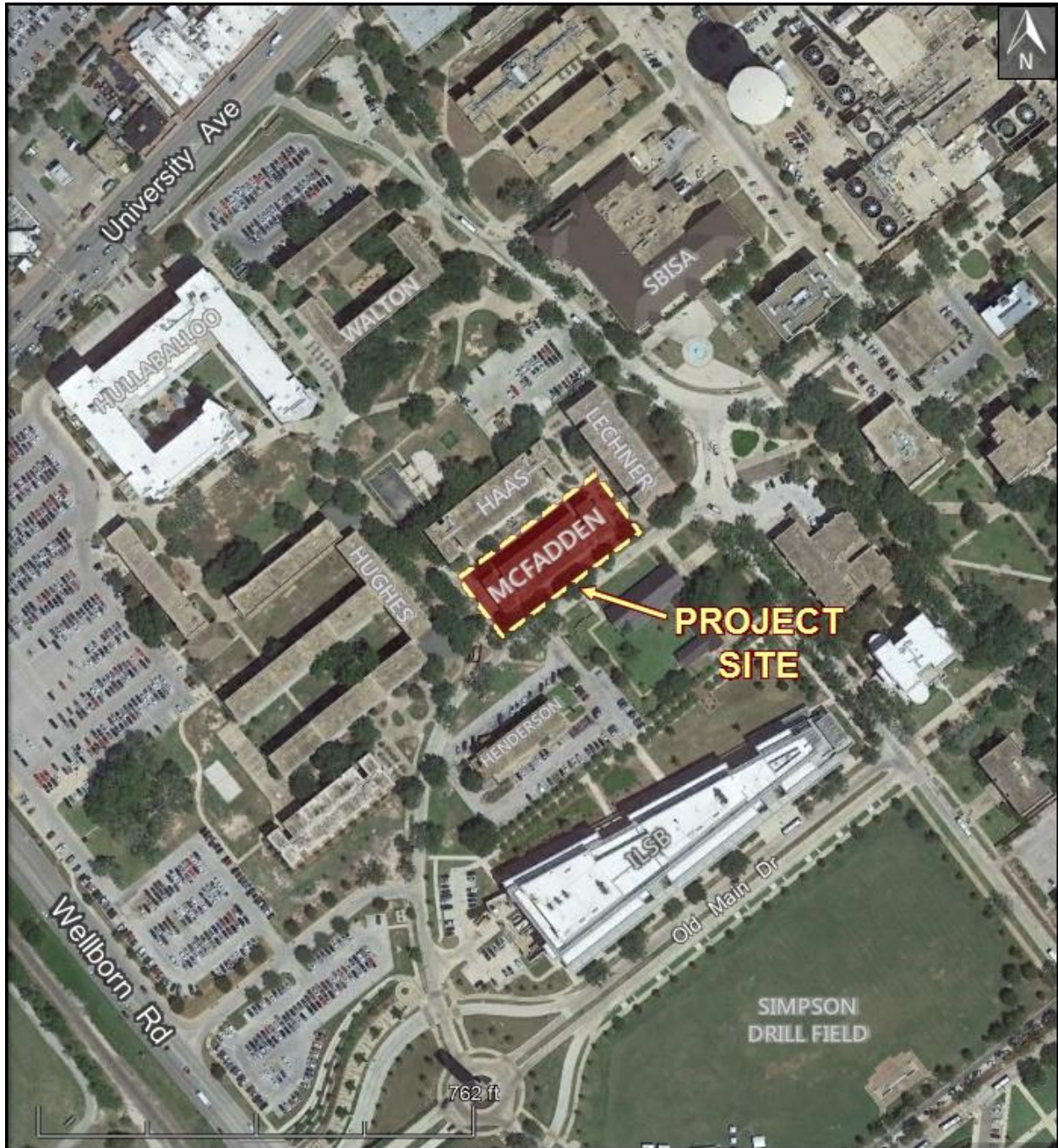
1. BOR Approval to Add Project to FY 2018-2022 Capital Plan..... August 2017
2. Issue A/E Request for Qualifications (RFQ) January 9, 2018
3. RFQ Responses Due January 25, 2018
4. Execute A/E Agreement March 16, 2018
5. Complete Schematic Design April 30, 2018
6. Complete Design Development June 8, 2018
7. Complete Construction Documents July 12, 2018
8. Advertise for Competitive Sealed Proposals (CSP) July 30, 2018
9. Receive CSPs September 12, 2018
10. CSP Evaluation September 19, 2018
11. BOR Approval for Construction November 15, 2018
12. Execute CSP Agreement November 28, 2018
13. Begin Construction December 2018
14. Substantial Completion July 26, 2019
15. Owner Occupancy July 31, 2019

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
HVAC REPLACEMENT MCFADDEN
Housing Fees**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
	6,975,000.00				
YEAR 1	6,830,000.00	145,000.00	348,750.00	493,750.00	567,812.50
YEAR 2	6,675,000.00	155,000.00	341,500.00	496,500.00	570,975.00
YEAR 3	6,515,000.00	160,000.00	333,750.00	493,750.00	567,812.50
YEAR 4	6,345,000.00	170,000.00	325,750.00	495,750.00	570,112.50
YEAR 5	6,165,000.00	180,000.00	317,250.00	497,250.00	571,837.50
YEAR 6	5,980,000.00	185,000.00	308,250.00	493,250.00	567,237.50
YEAR 7	5,785,000.00	195,000.00	299,000.00	494,000.00	568,100.00
YEAR 8	5,580,000.00	205,000.00	289,250.00	494,250.00	568,387.50
YEAR 9	5,365,000.00	215,000.00	279,000.00	494,000.00	568,100.00
YEAR 10	5,140,000.00	225,000.00	268,250.00	493,250.00	567,237.50
YEAR 11	4,900,000.00	240,000.00	257,000.00	497,000.00	571,550.00
YEAR 12	4,650,000.00	250,000.00	245,000.00	495,000.00	569,250.00
YEAR 13	4,390,000.00	260,000.00	232,500.00	492,500.00	566,375.00
YEAR 14	4,115,000.00	275,000.00	219,500.00	494,500.00	568,675.00
YEAR 15	3,825,000.00	290,000.00	205,750.00	495,750.00	570,112.50
YEAR 16	3,520,000.00	305,000.00	191,250.00	496,250.00	570,687.50
YEAR 17	3,200,000.00	320,000.00	176,000.00	496,000.00	570,400.00
YEAR 18	2,865,000.00	335,000.00	160,000.00	495,000.00	569,250.00
YEAR 19	2,515,000.00	350,000.00	143,250.00	493,250.00	567,237.50
YEAR 20	2,145,000.00	370,000.00	125,750.00	495,750.00	570,112.50
YEAR 21	1,755,000.00	390,000.00	107,250.00	497,250.00	571,837.50
YEAR 22	1,350,000.00	405,000.00	87,750.00	492,750.00	566,662.50
YEAR 23	920,000.00	430,000.00	67,500.00	497,500.00	572,125.00
YEAR 24	470,000.00	450,000.00	46,000.00	496,000.00	570,400.00
YEAR 25	-	470,000.00	23,500.00	493,500.00	567,525.00
		<u>\$ 6,975,000.00</u>	<u>\$ 5,398,750.00</u>	<u>\$ 12,373,750.00</u>	<u>\$ 14,229,812.50</u>

Estimated issuance costs and rounding of \$70,000 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 09/17/2018

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



HVAC Replacement at McFadden Hall

Texas A&M University

SSC Project No. 2017-02204

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 HVAC Replacement Haas Hall Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02205)

Background and Prior Actions:

The HVAC Replacement Haas Hall Project was included as an approved project on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$6,655,496 for construction services and related project costs. \$819,504 has been previously appropriated for pre-construction services.
- (3) Approve construction of the HVAC Replacement Haas 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>\$7,475,000</u>	\$535,790	Housing Revenue
Total Project Funds	<u>\$7,475,000</u>		

Project Justification:

Originally constructed in 1979, Haas Hall is a four-story concrete structure consisting of 136 modular rooms/spaces (the majority being dorm rooms). Total square footage is approximately 69,668 gross square feet (GSF). Each room is conditioned by an individual Fan Coil Unit (FCU) served by a four pipe Chilled Water (CHW) and Heating Water (HW) piping distribution system. Each room has a pneumatic thermostat and fan speed control switch (Hi/Med/Lo/Off). Corridors are conditioned by floor-mounted FCUs as well as two (2) Outside Air Units (OAU) located on the roof with a duct chase located adjacent to the stairwells on both ends of each floor.

Outside air (OA) is served to the corridor and introduced to each room via door undercuts using bathroom exhaust to draw. OA short circuits from corridor to the bathroom without mixing in the

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room space. Stairwells are not currently conditioned. OA intake louvers are located in areaway near grade and ducted in crawl space to ventilate crawlspace via two fans.

The Heating Ventilation Air Conditioning (HVAC) system has reached the end of its useful life and is in need of replacement.

Scope:

This project will replace all FCUs with new 4-pipe FCUs with HW coils in the re-heat position. Each room will have a thermostat and humidistat to implement a humidity control strategy at the room level. A fan speed controller will be provided in each room to allow for student control of FCU. Corridor floor-mounted FCUs will be replaced. Conditioned OA will be provided via new roof-mounted air handler with integral Energy Recovery Unit (ERU). Existing exhaust fans will be removed. New exhaust ductwork will be manifolded on the roof and routed to the ERU to capture energy currently being exhausted. New OA and exhaust duct risers will be installed to introduce conditioned fresh air into each room. A new FCU will be provided to serve the stairwells.

General construction shall consist of the removal and replacement of existing ceilings to facilitate mechanical work. A bid alternate for one new roof hatch for safer roof access as well as an alternate for two new floor hatches to be located in each stairwell will be issued to provide access for replacement and repair of crawl space exhaust fans.

Construction on this project is scheduled to start in December 2018 with substantial completion scheduled for July 2019. The total project budget is \$7,475,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

September 28, 2018

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 Haas Hall Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02205)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$7,475,000 for the HVAC Replacement Haas Hall Project is approved.

The amount of \$6,655,496 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (Housing Revenue), for construction services and related project costs.

The HVAC Replacement Haas 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

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September 28, 2018

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:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

HVAC REPLACEMENT HAAS HALL	PROJECT BUDGET
TEXAS A&M UNIVERSITY	
SSC PROJECT NO. 2017-02205	

1.	Amount Available for Construction Contract.....	\$6,139,680
2.	Owner’s Contingency	613,968
3.	Architectural/Engineering Fees	444,000
4.	SSC Project Management Fees	217,700
5.	SSC/Physical Plant Services	24,000
6.	Energy System Testing & Balancing.....	27,625
7.	Other Project Costs	<u>\$ 8,027</u>
8.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$7,475,000</u>

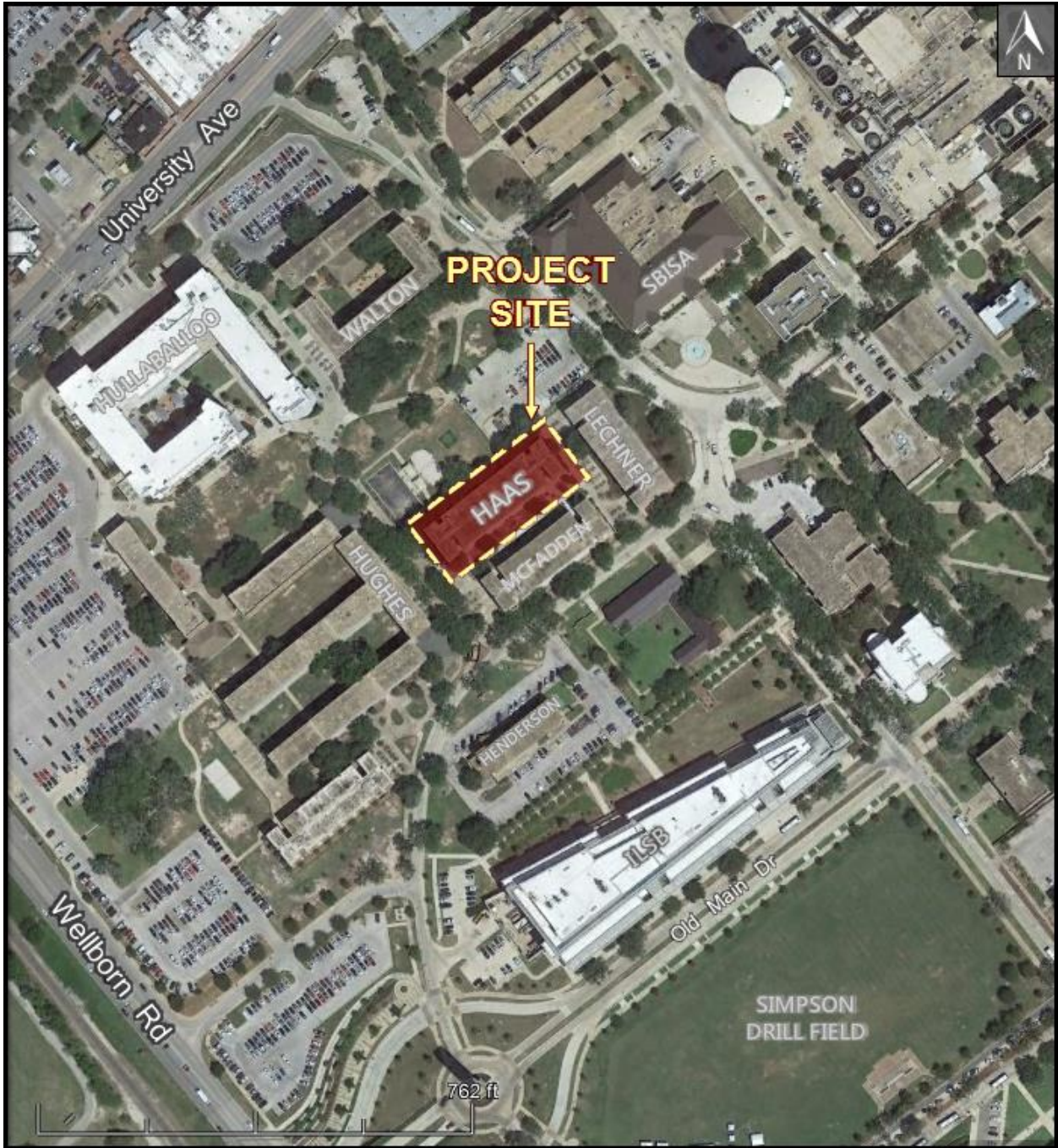
1. BOR Approval to Add Project to FY 2018-2022 Capital Plan..... August 2017
2. Issue A/E Request for Qualifications (RFQ) January 9, 2018
3. RFQ Responses Due January 25, 2018
4. Execute A/E Agreement March 16, 2018
5. Complete Schematic Design April 30, 2018
6. Complete Design Development June 8, 2018
7. Complete Construction Documents July 12, 2018
8. Advertise for Competitive Sealed Proposals (CSP) July 30, 2018
9. Receive CSPs September 11, 2018
10. CSP Evaluation September 19, 2018
11. BOR Approval for Construction November 15, 2018
12. Execute CSP Agreement November 28, 2018
13. Begin Construction December 2018
14. Substantial Completion July 2019
15. Owner Occupancy July 2019

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
HVAC REPLACEMENT HAAS
Housing Fees**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
	7,550,000.00				
YEAR 1	7,390,000.00	160,000.00	377,500.00	537,500.00	618,125.00
YEAR 2	7,225,000.00	165,000.00	369,500.00	534,500.00	614,675.00
YEAR 3	7,050,000.00	175,000.00	361,250.00	536,250.00	616,687.50
YEAR 4	6,865,000.00	185,000.00	352,500.00	537,500.00	618,125.00
YEAR 5	6,675,000.00	190,000.00	343,250.00	533,250.00	613,237.50
YEAR 6	6,475,000.00	200,000.00	333,750.00	533,750.00	613,812.50
YEAR 7	6,265,000.00	210,000.00	323,750.00	533,750.00	613,812.50
YEAR 8	6,045,000.00	220,000.00	313,250.00	533,250.00	613,237.50
YEAR 9	5,810,000.00	235,000.00	302,250.00	537,250.00	617,837.50
YEAR 10	5,565,000.00	245,000.00	290,500.00	535,500.00	615,825.00
YEAR 11	5,310,000.00	255,000.00	278,250.00	533,250.00	613,237.50
YEAR 12	5,040,000.00	270,000.00	265,500.00	535,500.00	615,825.00
YEAR 13	4,755,000.00	285,000.00	252,000.00	537,000.00	617,550.00
YEAR 14	4,455,000.00	300,000.00	237,750.00	537,750.00	618,412.50
YEAR 15	4,140,000.00	315,000.00	222,750.00	537,750.00	618,412.50
YEAR 16	3,810,000.00	330,000.00	207,000.00	537,000.00	617,550.00
YEAR 17	3,465,000.00	345,000.00	190,500.00	535,500.00	615,825.00
YEAR 18	3,100,000.00	365,000.00	173,250.00	538,250.00	618,987.50
YEAR 19	2,720,000.00	380,000.00	155,000.00	535,000.00	615,250.00
YEAR 20	2,320,000.00	400,000.00	136,000.00	536,000.00	616,400.00
YEAR 21	1,900,000.00	420,000.00	116,000.00	536,000.00	616,400.00
YEAR 22	1,460,000.00	440,000.00	95,000.00	535,000.00	615,250.00
YEAR 23	995,000.00	465,000.00	73,000.00	538,000.00	618,700.00
YEAR 24	510,000.00	485,000.00	49,750.00	534,750.00	614,962.50
YEAR 25	-	510,000.00	25,500.00	535,500.00	615,825.00
		<u>\$ 7,550,000.00</u>	<u>\$ 5,844,750.00</u>	<u>\$ 13,394,750.00</u>	<u>\$ 15,403,962.50</u>

Estimated issuance costs and rounding of \$75,000 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 09/17/2018

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



HVAC Replacement Haas Hall

Texas A&M University

SSC Project No. 2017-02205

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 Mosher Hall Interior Finishes Renovation Project, Texas A&M University, College Station, Texas (SSC Project No. 2018-03177)

Background and Prior Actions:

The Mosher Hall Interior Finishes Renovation Project was included on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$6,501,960 for construction services and related project costs. \$722,440 has been previously appropriated for pre-construction services.
- (3) Approve construction of the Mosher Hall Interior Finishes Renovation Project at Texas A&M University (Texas A&M).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	Average <u>Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Cash – Housing Reserves	<u>\$7,224,400</u>	N/A	N/A
Total Project Funds	<u>\$7,224,400</u>		

Project Justification:

Originally constructed in 1975, Mosher Hall is a five-story concrete structure consisting of 419 rooms/spaces (333 being dorm rooms). Total square footage is approximately 153,735 gsf. The residence hall has not had a full finishes upgrade in its lifetime prior to Phase-1 1st floor in summer 2014 and the Phase-II 3rd & 4th floors being accomplished summer 2018. The flooring, interior finishes, restroom finishes and fixtures are very dated.

Note: A complete HVAC System Replacement and Lighting Upgrade was completed in 2017.

Scope:

This project is a finishes upgrade and TAS Compliance Upgrade for the rooms that were not completed in the previous projects. Previous projects were completed in 2014, SSC Project # 2013-03865, 1st floor ADA Compliant dorm rooms, 2015, SSC #2015-05023, 1st floor dorm room and study room upgrades, and 2018, SSC Project #2017-02145, 3rd & 4th floor dorm room upgrades.

Interior finish upgrades will include new flooring, toilet fixtures, wall tile, shower units, mirrors, horizontal blinds, closets and paint in each resident room and resident advisor rooms on the second and basement floors. Eight of the resident rooms on the basement floor will be renovated to meet the Texas Accessibility Standards for handicap persons. The sauna on the third floor will be demolished and a new accessible community kitchen will be constructed. Each of the study rooms on the lower level, first, second, third and fourth floors will have finish upgrades that include new doors and transoms with integral blinds. The community lounges, corridors and alcoves located on the lower level, second, third and fourth floors will have new carpet, millwork, paint, electrical outlets and horizontal blinds. The community bathrooms on the lower level, second, third and fourth floors will have finish upgrades including tile on the floors and walls, millwork, vanity and tub/shower. Half of all community toilets will be handicap accessible as per the Texas Accessibility Standards. The first-floor kitchen will be renovated to meet all Texas Accessibility Standards. The laundries located on the lower level, second, third and fourth floors will be renovated to be accessible. The existing epoxy flooring in the laundries will be patched/repared and recoated and new paint on the existing walls. The exterior doors will be replaced and new controls will be added. All stairs, excluding the southwest first floor, will have new flooring, stair treads, paint and doors with transoms above. New flooring and paint in the employee break area located in the basement will also be included in this project. All plumbing fixtures and piping will be updated where disturbed. All existing electrical outlets will be replaced with new outlets and new face plates. All HVAC and lighting will remain unless damaged during construction.

Construction on this project is scheduled to start in December 2018 with substantial completion scheduled for July 2019. The total project budget is \$7,224,400

Other Major Fiscal Impacts:

None.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

September 28, 2018

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 Mosher Hall Interior Finishes Project, Texas A&M University, College Station, Texas (SSC Project No. 2018-03177)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$7,224,400 for the Mosher Hall Interior Finishes Project is approved.

The amount of \$6,501,960 is appropriated from Account No. 02-030062, Residence Halls, for construction services and related project costs.

The Mosher Hall Interior Finishes Renovation Project, Texas A&M University, College Station, Texas, is approved for construction.”

Respectfully submitted,

Michael K. Young, President
Texas A&M University

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

MOSHER HALL INTERIOR FINISHES RENOVATION	PROJECT BUDGET
TEXAS A&M UNIVERSITY	
SSC PROJECT NO. 2018-03177	

1.	Amount Available for Construction Contract.....	\$6,115,583
2.	Owner’s Contingency	620,158
3.	Architectural/Engineering Fees	192,240
4.	SSC Project Management Fees	210,419
5.	SSC/Physical Plant Services	7,500
6.	Energy System Testing & Balancing.....	3,500
7.	Other Project Costs	<u>\$ 75,000</u>
8.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$7,224,400</u>

MOSHER HALL INTERIOR FINISHES RENOVATION	PROJECT SCHEDULE
TEXAS A&M UNIVERSITY	
SSC PROJECT NO. 2018-03177	

1. A/E Contract Executed..... August 4, 2017
2. BOR Approval to Include in Capital Plan August 16, 2018
3. Advertise for Competitive Sealed Proposals (CSP) August 27, 2018
4. Receive CSPs September 18, 2018
5. CSP EvaluationOctober 3, 2018
6. BOR Approval for ConstructionNovember 15, 2018
7. Execute CSP AgreementNovember 20, 2018
8. Begin Construction December 2018
9. Substantial CompletionJuly 2019
10. Owner Occupancy August 2019



Moshier Hall Interior Finishes Renovation

Texas A&M University

SSC Project No. 2018-03177

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 Aerothermochemistry Lab Expansion Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02079)

Background and Prior Actions:

The Aerothermochemistry Lab Expansion Project was included on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board of Regents at the August 2018 meeting.

This project was originally anticipated to be a minor project under \$4M. As such, much of the planning and design for the project occurred prior to placing the project on the capital plan. Once it was known the project would go over \$4M, the process was stopped and added to the capital plan. A formal program of requirements was prepared and the project is submitted to the Board to request permission to begin construction.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$4,500,000 for construction services and related project costs. \$500,000 has been previously appropriated for pre-construction services.
- (3) Approve construction of the Aerothermochemistry Lab Expansion 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>
Cash – Governor’s University Research Initiative (GURI)	\$2,500,000	N/A	N/A
Cash – Chancellor’s Research Initiative (CRI) – AUF	<u>\$2,500,000</u>	N/A	N/A
Total Project Funds	<u>\$5,000,000</u>		

Agenda Item No.
Agenda Item Briefing

Project Justification:

Dr. Richard Miles, Professor of Aerospace Engineering and Texas A&M Engineering Experiment Station (TEES) Eminent Professor, will establish and lead a center in interdisciplinary optical and laser detection systems for national security and safety at Texas A&M. Dr. Miles was recruited as part of the Governor's University Research Initiative (GURI), an effort to bring nationally recognized researchers to Texas institutions of higher education. The new laboratory addition is required to support the numerous research thrusts overseen by Dr. Miles. Anticipated research enabled by the new laboratory includes advanced diagnostics, stand-off detection, and plasma-enhanced aerodynamic, energy and propulsion processes. The laboratory will house state-of-the-art laser systems and optics facilities and provide a 30-meter path for research on stand-off technologies. Other research activities include lift and drag control, projectile steering, combustion, and enhanced energy conversion and thrust generation.

Scope:

In support of its mission, Texas A&M's engineering and technology research programs continue to evolve and expand. To support this growth, Texas A&M proposes an addition to Building 1268, Nat'l Aerothermochemistry Lab, Bldg 1, to provide for much needed research laboratory space. The addition will provide for modern labs that support interdisciplinary engineering research teams in a collaborative environment. Additionally, "flexible" laboratory design will provide for the long-term reduction of renovation costs and lab downtime.

The planned addition will be 14,500 gross square feet (SF) with two floors. The first floor (8,090 SF) will contain primarily laboratory space with three separate laboratories. The second floor (6,410 SF) will contain both office and laboratory space with eight offices, meeting space, and one laboratory.

Construction on this project is scheduled to start in December 2018, with substantial completion scheduled for August 2019. The total project budget is \$5,000,000.

Other Major Fiscal Impacts:

None.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

October 1, 2018

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 Aerothermochemistry Lab Expansion Project, Texas A&M University, College Station, Texas (SSC Project No. 2017-02079)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$5,000,000 for the Aerothermochemistry Lab Expansion Project is approved.

The amount of \$2,250,000 is appropriated from Account No. 02-405261-00006 GURI Construction – Miles, and \$2,250,000 is appropriated from Account No. 02-292115-00006 CRI/GURI Construction - Miles, for construction services and related project costs.

The Aerothermochemistry Lab Expansion Project, Texas A&M University, College Station, Texas, is approved for construction.”

Respectfully submitted,

Michael K. Young
President

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

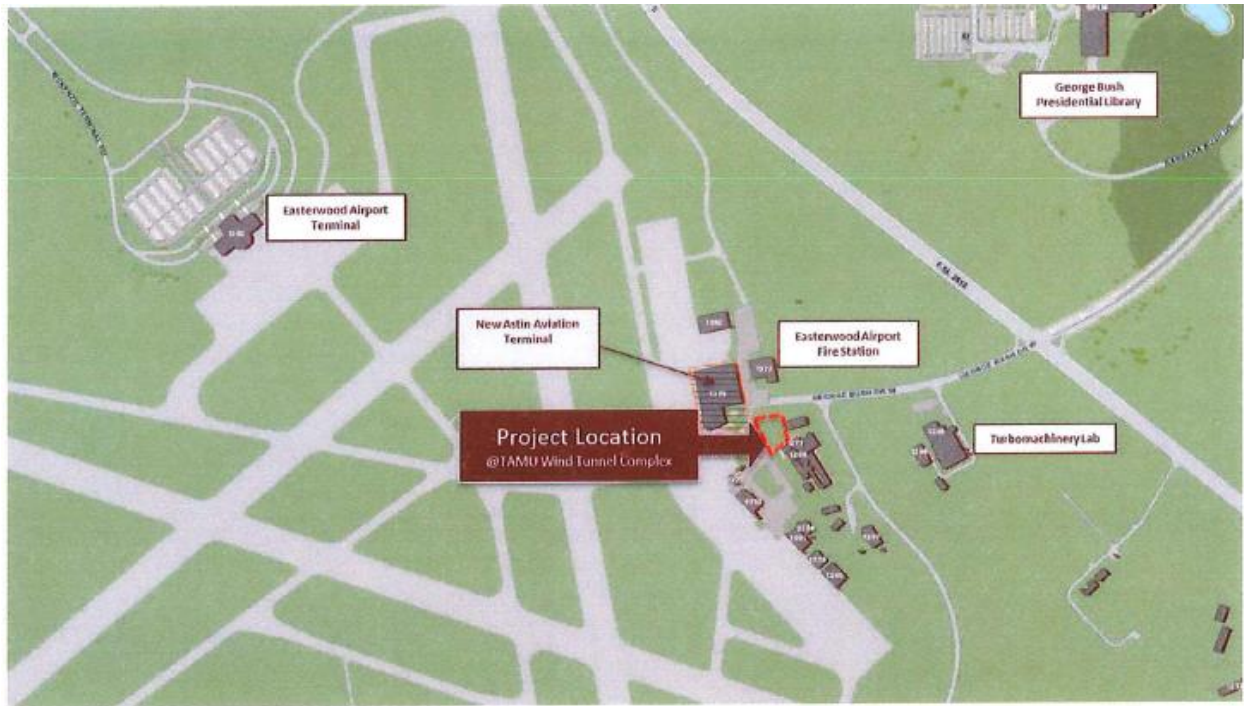
Ray Bonilla
General Counsel

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

AEROTHERMOCHEMISTRY LAB EXPANSION TEXAS A&M UNIVERSITY SSC PROJECT NO. 2017-02079	PROJECT BUDGET
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1. Building Construction (CSP).....	\$3,821,515
2. Electrical Feeder Relocation (CSP).....	\$ 347,000
3. Construction Contingency @ 5.0%	\$ 208,350
4. Architect/Engineer.....	\$ 369,483
5. Asbestos/Lead Survey	\$ 500
6. Environmental System Balance.....	\$ 15,000
7. Independent Testing	\$ 10,000
8. TAS/ADA Plan Review and Post Construction Inspection	\$ 1,065
9. IT/Telecom	\$ 75,000
10. Campus Services/UES Support.....	\$ 6,500
11. SSC Contract Administration @ 3.0%	<u>\$ 145,587</u>
12. TOTAL ESTIMATED COST OF PROJECT	<u>\$5,000,000</u>

1. A/E Notice to Proceed/Design Kickoff Meeting May 12, 2017
2. Execute A/E Agreement May 23, 2017
3. Complete Schematic Design August 31, 2017
4. Complete Design Development January 12, 2018
5. Complete Construction Documents April 25, 2018
6. Advertise for CSPs August 16, 2018
7. Project Added to FY2020 Capital Plan..... August 16, 2018
8. Issue Request to Change to Fiscal Year to FY2019 September 3, 2018
9. Receive CSPs September 6, 2018
10. CSP Evaluation September 6, 2018
11. Campus Approval of Ranked Order September 13, 2018
12. Receive Authorization to Change from FY2020 to FY2019 September 24, 2018
13. BOR Approval for ConstructionNovember 15, 2018
14. Issue Construction Notice to Proceed December 7, 2018
15. Construction Substantial Completion August 2019
16. Owner Occupancy September 2019



Aerothermochemistry Lab Expansion Project

Texas A&M University

SSC Project No. 2017-02079

AGENDA ITEM BRIEFING

Submitted by: Ruth J. Simmons, President
Prairie View A&M University

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Agriculture Comprehensive Facility Project, Prairie View A&M University, Prairie View, Texas (Project No. PV-0561)

Background and Prior Actions:

The Agriculture Comprehensive Facility Project was included as an approved project on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$6,093,828 for construction services and related project costs.
- (3) Approve construction of the Agriculture Comprehensive Facility Project at Prairie View A&M University.

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Cash (USDA Grant)	\$5,844,688	N/A	N/A
Cash (Designated Tuition)	<u>\$ 249,140</u>	N/A	N/A
Total Project Funds	<u>\$6,093,828</u>		

Project Justification:

This facility will be comprised of a meat laboratory with associated appurtenances that will support objectives of teaching, research, and extension in a single facility strategically located to serve all facets of agricultural demonstration and community extension engagement.

Agenda Item No.
Agenda Item Briefing

Scope:

The project consists of a new, 9,296 square foot meat science laboratory building. The building is composed of a pre-engineered metal building envelope with exterior walls, roof, windows, and doors with supporting steel frame on a concrete slab-on-grade. Within the building envelope are covered animal holding pens, an abattoir, refrigerated offal rooms, hot box for initial carcass cool down, coolers, fabrication and processing room, sample prep room, freezers, demonstration lab, smoke room for cooking meats, ready to eat packing room, meat pick-up room, USDA and university staff offices, break room, lockers, showers, restrooms, electrical and telephone/data rooms, and storage rooms.

Construction on this project is scheduled to start in January 2019 with substantial completion scheduled for December 2019. The total project budget is \$6,093,828.

Other Major Fiscal Impacts:

None.

Agenda Item No.

PRAIRIE VIEW A&M UNIVERSITY

Office of the President

September 26, 2018

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 Agriculture Comprehensive Facility Project, Prairie View A&M University, Prairie View, Texas (Project No. PV-0561)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$6,093,828 for the Agriculture Comprehensive Facility Project is approved.

The amount of \$1,396,407 is appropriated from Account No. 05-411920 USDA Grant, the amount of \$1,126,742 is appropriated from Account No. 05-414580 USDA Grant, the amount of \$2,911,008 is appropriated from Account No. 05-414581 USDA Grant, the amount of \$410,531 is appropriated from Account No. 05-482000 USDA Grant, and the amount of \$249,140 is appropriated from Account No. 05-020100 Designated Tuition, for construction services and related project costs.

The Agriculture Comprehensive Facility Project, Prairie View A&M University, Prairie View, Texas, is approved for construction.”

Respectfully submitted,

Ruth J. Simmons
President

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

AGRICULTURE COMPREHENSIVE FACILITY PRAIRIE VIEW A&M UNIVERSITY PROJECT NO. PV-0561	PROJECT BUDGET
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1. Amount Available for Construction Contract	\$4,975,000
2. Architectural/Engineering Fees	509,255
3. CMAR Pre-Construction Services	15,000
4. SSC/Physical Plant Services (incl. PM Fees, Insp Fees, Envelope Testing)	249,140
5. Data	52,000
6. Telecommunications	5,000
7. Commissioning (Cx)	30,000
8. Miscellaneous	66,933
9. Security System	37,000
10. Testing and Air Balancing.....	20,000
11. Construction Testing	35,000
12. Owner's Contingency	<u>\$ 99,500</u>
13. TOTAL ESTIMATED COST OF PROJECT	<u>\$6,093,828</u>

1. BOR Approval to Include in Capital Plan September 01, 2016
2. Issue A/E RFQ December 15, 2016
3. Receive A/E RFQ Responses..... January 5, 2017
4. Shortlist A/E Firms January 10, 2017
5. Interview A/E Shortlist January 18, 2017
6. Issue CMAR RFP June 15, 2017
7. Receive CMAR RFP Response July 7, 2017
8. Execute A/E Agreement December 11, 2017
9. A/E Design Kick-Off December 15, 2017
10. Execute CMAR Agreement April 9, 2018
11. Complete Schematic Design July 20, 2018
12. Receive GMP from CMAR September 28, 2018
13. Complete Design Development October 5, 2018
14. Board Approval for Construction November 15, 2018
15. Submit THECB Application November 30, 2018
16. Complete Construction Documents December 11, 2018
17. Begin Construction January 30, 2019
18. Substantial Completion December 10, 2019
19. Owner Occupancy January 15, 2020



AGRICULTURE COMPREHENSIVE FACILITY

Prairie View A&M University

Project No. PV-0561

Construction Project Status Report

Effective 10/16/2018

Projects in Programming / Planning:	17 Projects	\$	453,017,630
Projects in Design Team Selection:	2 Projects	\$	28,640,000
Projects in Design:	9 Projects	\$	280,771,456
Projects in Construction:	34 Projects	\$	1,765,280,300
Combined Total:	62 Projects	\$	2,527,709,386

PROJECTS TO BE AUTHORIZED BY THE BOARD OF REGENTS

Projects in Programming / Planning:

Bryan, TX

28-3252	Industrial Distribution Building #2	\$	17,866,000
01-3273	RELLIS Academic Complex - Phase II	\$	28,000,000
01-3270	RELLIS Workforce Training Facility	\$	15,000,000
28-3232	TEES Headquarters Building	\$	15,000,000
28-3231	TEES Industry Lab	\$	15,000,000

College Station, TX

02-3275	Ellis Field Renovations	\$	15,000,000
09-3269	Fire Station-Classroom-Office Facility - Brayton Fire Field	\$	56,895,000
02-3276	HVAC Replacement Dunn Hall	\$	15,194,130
02-3272	Instructional Laboratory & Innovative Learning Building (ILSQ)	\$	85,000,000
02-3267	South Campus Recreation Center	\$	35,062,500
02-3277	West Campus Dining Facility	\$	15,000,000

Corpus Christi, TX

15-3268	Arts & Media Building	\$	65,000,000
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San Antonio, TX

25-3265	Academic and Administration Building Phase 2	\$	53,000,000
09-3259	New Building at H.B. Zachry Training Center	\$	22,000,000

Total of Projects in Programming / Planning		\$	453,017,630
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Projects in Design Team Selection:

Bryan, TX

28-3230	Industrial Distribution Building No. 1	\$	18,640,000
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Stephenville, TX

04-3264	Aquatics Center	\$	10,000,000
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Total of Projects in Design Team Selection		\$	28,640,000
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Projects in Design:

Canyon, TX

18-3234	Energy Consumption Reduction Project - WTAMU	\$	15,130,500
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02-3266	Veterinary Education, Research & Outreach Center	\$	22,000,000
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20-3256	TVMDL - Canyon Facility	\$	17,600,000
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College Station, TX

02-3238	HVAC Replacement Aston Hall	\$	13,955,660
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02-3254	Polo Garage	\$	78,367,296
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02-3274	Swimming & Diving Expansion	\$	7,000,000
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09-3257	Water Wastewater Treatment System Expansion	\$	11,000,000
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Houston, TX

23-3258	En/Health Building Renovation	\$	85,718,000
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San Antonio, TX

25-3255	Academic and Administration Building - Phase I	\$	30,000,000
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Total of Projects in Design		\$	280,771,456
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Projects in Construction:

Bryan, TX

23-3203	Medical Research & Education Building 2	\$	103,800,000
J. T. Vaughn Construction, LLC			
Status:	On Schedule	Substantial Completion Date:	03/13/2019
		Construction Work Completed:	84%
01-3233	RELLIS Academic Complex - Phase I	\$	42,000,000
Hensel Phelps Construction, Inc.			
Status:	On Schedule	Substantial Completion Date:	06/07/2019
		Construction Work Completed:	35%
01-3228	RELLIS Campus Infrastructure	\$	58,492,500
J. T. Vaughn Construction, LLC			
Status:	On Schedule	Substantial Completion Date:	12/17/2018
		Construction Work Completed:	95%
12-3224	TTI Headquarters	\$	70,000,000
Bartlett Cocke General Contractors			
Status:	On Schedule	Substantial Completion Date:	01/18/2019
		Construction Work Completed:	83%

Canyon, TX

18-3199	Agricultural Sciences Complex	\$	49,036,000
Western Builders			
Status:	Building Occupied	Substantial Completion Date:	08/13/2018
		Construction Work Completed:	99%
18-3250	Amarillo Center Renovation - Phase II	\$	18,200,000
Wiley Hicks Jr., Inc.			
Status:	On Schedule	Substantial Completion Date:	11/01/2018
		Construction Work Completed:	95%
18-3226	Football Stadium	\$	38,800,000
Western Builders			
Status:	On Schedule	Substantial Completion Date:	09/05/2019
		Construction Work Completed:	14%
18-3227	Renovate Jarrett Hall Phase II	\$	14,330,000
Western Builders			
Status:	Behind Schedule	Substantial Completion Date:	02/01/2019
		Construction Work Completed:	81%

College Station, TX

02-3236	21st Century Classroom Building	\$	85,000,000
J. T. Vaughn Construction, LLC			
Status:	On Schedule	Substantial Completion Date:	05/29/2020
		Construction Work Completed:	4%
02-3183	Aggie Softball Stadium	\$	28,640,000
Austin Commercial, LP			
Status:	Building Occupied	Substantial Completion Date:	08/14/2018
		Construction Work Completed:	100%
02-3184	Aggie Track & Field Stadium	\$	39,800,000
Austin Commercial, LP			
Status:	On Schedule	Substantial Completion Date:	10/24/2018
		Construction Work Completed:	90%
02-3208	Agriculture Building #5	\$	49,000,000
SpawGlass Construction, Inc.			
Status:	On Schedule	Substantial Completion Date:	05/07/2019
		Construction Work Completed:	49%
02-3205	Biocontainment Research Facility	\$	86,000,000
J. T. Vaughn Construction, LLC			
Status:	On Schedule	Substantial Completion Date:	06/26/2019
		Construction Work Completed:	70%
02-3155	Engineering Education Complex	\$	228,660,000
J. T. Vaughn Construction, LLC			
Status:	Building Occupied	Substantial Completion Date:	09/06/2018
		Construction Work Completed:	98%
02-3211	Music Activities Center	\$	42,750,000
SpawGlass Construction, Inc.			
Status:	On Schedule	Substantial Completion Date:	06/11/2019
		Construction Work Completed:	50%
02-3220	Storm Water System Improvements	\$	11,430,000
Larry Young Paving, Inc.			
Status:	Just Starting	Substantial Completion Date:	06/18/2020
		Construction Work Completed:	1%
02-3235	Student Services Building	\$	42,629,000
J. T. Vaughn Construction, LLC			
Status:	On Schedule	Substantial Completion Date:	09/09/2019
		Construction Work Completed:	23%
02-3177	West Campus Support Building	\$	17,100,000
Sedalco, Inc.			
Status:	Building Occupied	Substantial Completion Date:	01/08/2018
		Construction Work Completed:	99.9%

Commerce, TX

21-3186	Nursing & Health Sciences Building	\$	54,000,000
	BE&K Building Group		
Status:	Behind Schedule	Substantial Completion Date:	12/17/2018
		Construction Work Completed:	65%

Corpus Christi, TX

15-3188	Life Sciences Research & Engineering Complex-Ph I	\$	60,600,000
	Fulton Construction Corp./Coastcon Corp. JV		
Status:	On Schedule	Substantial Completion Date:	11/08/2018
		Construction Work Completed:	96%

Dallas, TX

06-3192	Dallas AgriLife Center	\$	34,000,000
	Sedalco, Inc.		
Status:	On Schedule	Substantial Completion Date:	11/19/2018
		Construction Work Completed:	97%

23-3202	Dentistry Clinical Education Facility	\$	127,500,000
	J. T. Vaughn Construction, LLC		
Status:	On Schedule	Substantial Completion Date:	11/15/2019
		Construction Work Completed:	30%

Ft. Worth, TX

04-3191	Southwest Metroplex Building	\$	40,800,000
	Holder Construction Group, LLC		
Status:	On Schedule	Substantial Completion Date:	05/10/2019
		Construction Work Completed:	56%

Killeen, TX

24-3194	Multipurpose Building 3	\$	36,000,000
	Austin Commercial, LP		
Status:	On Schedule	Substantial Completion Date:	10/22/2018
		Construction Work Completed:	98%

Kingsville, TX

17-3207	Education Complex	\$	61,548,770
	SpawGlass Construction, Inc.		
Status:	On Schedule	Substantial Completion Date:	06/17/2019
		Construction Work Completed:	52%

Laredo, TX

16-3206	Addition of Instructional and Support Spaces	\$	74,925,000
	Bartlett Cocke General Contractors		
Status:	On Schedule	Substantial Completion Date:	03/08/2019
		Construction Work Completed:	78%

Prairie View, TX

05-3204	Capital Improvements	\$	22,232,000
Flintco, LLC			
Status:	On Schedule	Substantial Completion Date:	05/27/2019
		Construction Work Completed:	59%
05-3251	Energy Consumption Reduction Project - PVAMU	\$	15,302,030
Ameresco			
Status:	On Schedule	Substantial Completion Date:	12/24/2018
		Construction Work Completed:	77%

San Antonio, TX

25-3158	Science and Technology Building	\$	63,000,000
SpawGlass Construction, Inc.			
Status:	On Schedule	Substantial Completion Date:	01/12/2019
		Construction Work Completed:	74%

Stephenville, TX

04-3195	Applied Sciences Building	\$	54,000,000
BE&K Building Group			
Status:	Behind Schedule	Substantial Completion Date:	01/14/2019
		Construction Work Completed:	65%
04-3259	Farm Repair & Modernization	\$	10,900,000
Linbeck			
Status:	Just Starting	Substantial Completion Date:	05/31/2019
		Construction Work Completed:	1%
04-3176	Memorial Stadium Renovation and Expansion	\$	27,055,000
Sedalco, Inc.			
Status:	On Schedule	Substantial Completion Date:	10/27/2018
		Construction Work Completed:	78%
04-3187	Utility and Infrastructure Improvements	\$	25,750,000
Imperial Construction, Inc.			
Status:	Substantially Complete	Substantial Completion Date:	06/19/2018
		Construction Work Completed:	99.5%

Texarkana, TX

22-3200	Academic & Student Services Building	\$	32,000,000
HOAR Construction			
Status:	On Schedule	Substantial Completion Date:	11/21/2018
		Construction Work Completed:	85%

Total of Projects in Construction **\$ 1,765,280,300**

Private Development:

Bryan, TX

01-3262	Generators at RELLIS	\$	1,600,000
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College Station, TX

02-3165	Century Square	\$	200,000,000
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02-3247	TAMU Hotel and Conference Center	\$	134,160,000
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Stephenville, TX

04-3190	Tarleton 2016 Residence Hall	\$	76,790,746
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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		\$	422,250,746
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THE TEXAS A&M UNIVERSITY SYSTEM

Office of the Chancellor

September 28, 2018

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

Subject: Adoption of a Resolution Honoring Dr. Steven H. Tallant as President of Texas A&M University-Kingsville and Bestowing the Title of President Emeritus

I respectfully request the Board of Regents' approval of the following resolution honoring Dr. Steven H. Tallant as President of Texas A&M University-Kingsville.

“WHEREAS, Dr. Tallant earned his B.A. in Sociology from the University of Florida, his M.S.W. from the University of Utah and Ph.D. in Social Welfare from the University of Wisconsin-Madison. He is also a graduate of the Governor's Executive Development Program through the Lyndon B. Johnson School of Public Affairs at The University of Texas; and

WHEREAS, Dr. Tallant served in the military for 20 years and served as the Chief of Air Force Family Research at the Pentagon from 1991-1994. After his years of military service, Dr. Tallant served in a variety of positions at the University of Wisconsin-Eau Claire, including as professor of social work, associate vice chancellor and director of graduate programs, and provost and vice chancellor for academic affairs; and

WHEREAS, Dr. Tallant was instrumental in starting several new degree programs during his tenure including bachelor's degrees in veterinary technology, criminal justice and natural gas engineering; and graduate degrees in social work, cultural studies, counseling psychology; criminology and petrophysics; and

WHEREAS, Dr. Tallant oversaw enrollment growth as high as 58 percent during his tenure, with Texas A&M University-Kingsville earning the designation of the Fastest-Growing Public Doctoral Institution in the United States from *The Chronicle of Higher Education* in 2015; and

WHEREAS, during Dr. Tallant's tenure, Texas A&M University-Kingsville became the 13th public university in Texas to reach more than \$100 million in endowment funds, which will produce more than \$4.5 million for the university to spend in the 2018-2019 academic year, in accordance with the donors' intentions; and

WHEREAS, campus construction projects under Dr. Tallant's presidency totaled more than \$200 million and included student housing, research centers, sporting and recreation facilities, and the \$60 million Music Education Complex, funded by Capital Construction Revenue Bonds from the state; and

WHEREAS, Dr. Tallant served as university president in a pioneering educational alliance with the Premont Independent School District, in which the university helped the district meet academic standards and improve its financial health through securing grants, professional development for district employees, and raising college awareness among Premont students; and

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September 28, 2018

WHEREAS, during Dr. Tallant's time as president, Javelina student athletes excelled in many different areas, including national championships in 2018 by the men's outdoor track and field team and the beach volleyball team and the first visit to the College World Series by the baseball team; and

WHEREAS, Kiana Martinez was one of the finalists for NCAA Woman of the Year in 2017; men's basketball qualified for the South Central Regional Tournament for the 2016-17 season; the football team won the Lone Star Conference championship in 2009; and the Student-Athlete Advisory Committee won the Lone Star Conference SAAC Award five consecutive years; and

WHEREAS, Texas A&M University-Kingsville will host the NCAA Division II men's and women's national outdoor track and field meets in 2019 and 2020; now, therefore, be it

RESOLVED, that the Board of Regents of The Texas A&M University System desires to express its appreciation for the outstanding leadership shown by Dr. Steven H. Tallant to Texas A&M University-Kingsville; and, be it, further

RESOLVED, that in honor of his service to The Texas A&M University System, we bestow the title of President Emeritus of Texas A&M University-Kingsville, with all the rights and privileges pertaining thereto, upon Dr. Steven H. Tallant; and, be it, further

RESOLVED, this resolution be included in the minutes, and copies thereof, signed by the chairman of the Board of Regents of The Texas A&M University System, be presented to Dr. Tallant and to the Archives of Texas A&M University-Kingsville as a permanent mark of this Board's appreciation and gratitude to him for a job well done.

ADOPTED, this 15th day of November 2018."

Respectfully submitted,

John Sharp
Chancellor

Approval Recommended:

Approved for Legal Sufficiency:

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Ray Bonilla
General Counsel

AGENDA ITEM BRIEFING

Submitted by: Charles W. Schwartz, Chairman, Board of Regents
The Texas A&M University System

Subject: Formation of a Special Committee of the Board of Regents for Oversight of Matters Relating to the Los Alamos National Laboratory

Proposed Board Action:

Authorize formation of the Board of Regents' (board) Special Committee for Oversight of Los Alamos National Laboratory Matters (special committee).

Background Information:

On June 8, 2018, the National Nuclear Security Administration announced the selection of Triad National Security LLC (Triad) to manage and operate Los Alamos National Laboratory (LANL), effective November 1, 2018. The members of Triad are The Texas A&M University System (system), Battelle Memorial Institute and the University of California.

The management and operation of LANL is an incredibly complex undertaking. LANL is a 38 square mile facility with more than 11,000 employees and an annual operating budget of \$2.5B. Further, LANL has a mission that involves highly technical and scientific work critical to the nation's nuclear security,

This special committee, comprised of three members of the board, is proposed to facilitate the ability of this board to provide appropriate oversight of the system's activities at LANL, including its activities as a member of Triad as well as its activities as a subcontractor providing services at LANL. This special committee is proposed to be advisory to the full board, i.e., will not have any decision-making authority.

Appointment of the special committee allows the board to achieve two important objectives. First, the special committee will facilitate the board's ability to fulfill its fiduciary duty relating to oversight of the system's activities at LANL. Second, under the Texas Open Meetings Act, the board is not permitted to hold meetings outside the state of Texas. A quorum of the board may not travel to Los Alamos to participate in meetings and conduct oversight activities. Given the membership and advisory nature of the proposed special committee, it will be able to conduct activities on-site at LANL and report back to the board. This will allow the board to meet its fiduciary duty relating to oversight at LANL while achieving compliance with the Texas Open Meetings Act.

Article II, Section 2 of the Bylaws of the Board of Regents provides that the chairman may appoint special committees of the board, subject to the approval of the board. Article IV, Section 8 of the Bylaws specifies that the chairman may appoint special committees with such powers or duties as the board or chairman may determine. The initial term of a special committee is limited to one year, but upon expiration of one year from the date of appointment, the board may authorize the special committee to act for a longer period.

A&M System Funding or Other Financial Implications:

Sufficient funds to support the operating expenses (staff support, travel, etc.) of the special committee are included as part of the overall budget of System Offices.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM

Office of the Board of Regents

October 17, 2018

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

Subject: Formation of a Special Committee of the Board of Regents for Oversight of Matters
Relating to the Los Alamos National Laboratory

I recommend adoption of the following minute order:

“The formation of a Board of Regents’ Special Committee for Oversight of Los Alamos National Laboratory Matters is hereby approved. Regents Charles Schwartz, Elaine Mendoza and Anthony Buzbee are appointed to this Special Committee, and Regent Schwartz is designated as its chairman. This Special Committee shall be advisory to the Board, shall monitor The Texas A&M University System’s activities at Los Alamos National Laboratory, and shall report to the Board on significant matters relating to such activities as appropriate.”

Respectfully submitted,

Charles W. Schwartz
Chairman

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

***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.**