



TEXAS TECH UNIVERSITY SYSTEM™



Facilities Committee

Michael S. Molina

Vice Chancellor - Facilities Planning & Construction

February 27, 2014

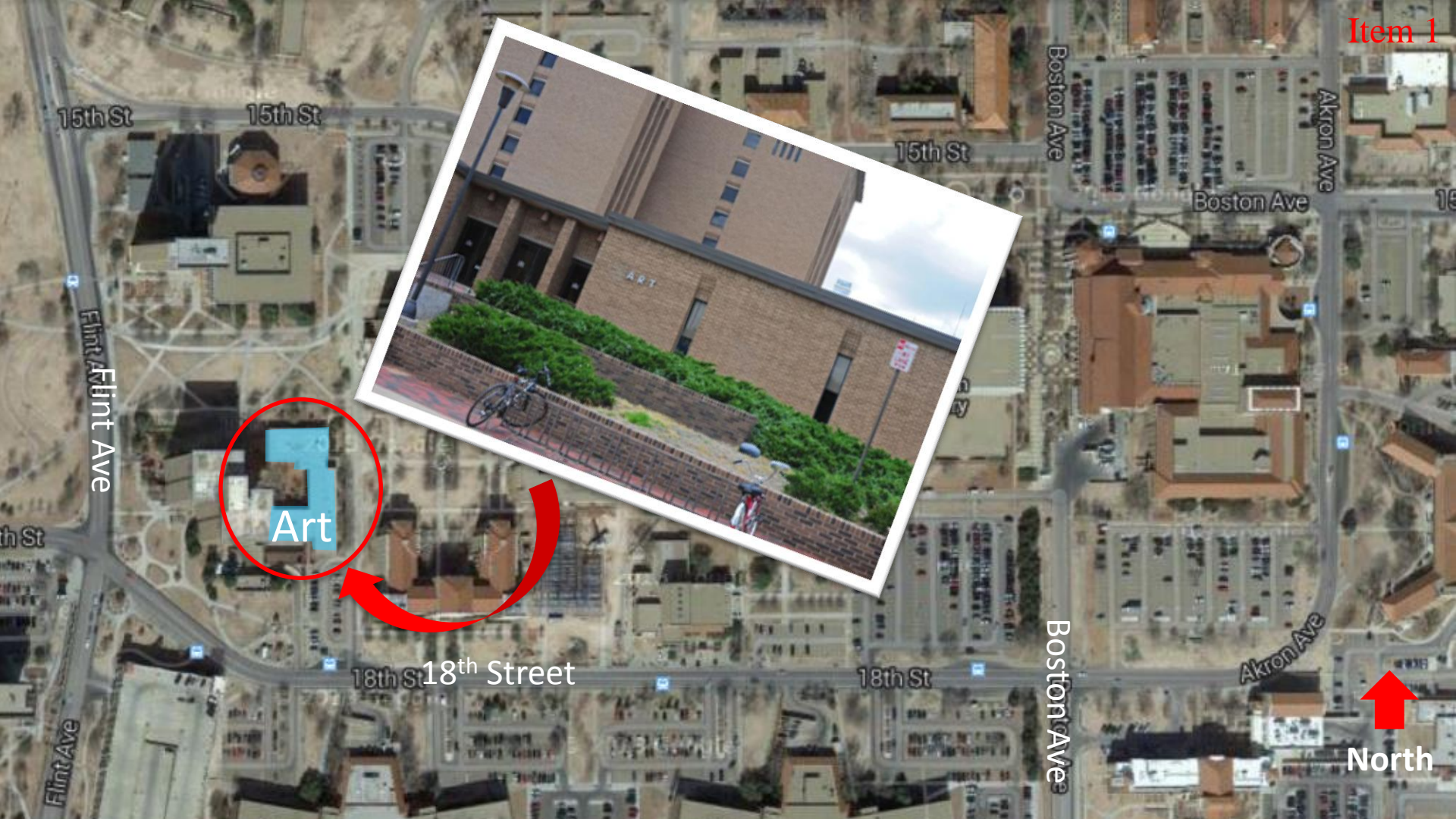
Texas Tech University

Approve the Art Building HVAC Replacement project

Michael S. Molina



Item 1



Art

North

Scope of Work

- Address non-functioning HVAC systems in the Art Building; some of which were noted in a previous accreditation finding for the Art Department. Work under this project includes:
 - To abate selective asbestos-containing materials;
 - Demolish the existing air handling unit, mixing boxes, exhaust fans and pneumatic controls;
 - Install a variable volume air handling unit, double duct variable air volume mixing boxes, exhaust fans and direct digital controls;
 - Reconfigure the electrical power for the new equipment and controls; and
 - Reroute sewer lines in the mechanical rooms.

Project Budget

<u>Total Project Budget</u>	\$	2,428,000
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Construction	\$	1,943,800
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Professional Services	\$	194,100
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Site Preparation	\$	206,800
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Administrative Cost	\$	83,300
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BOR Direct Fees*	\$	0
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Contingency	\$	0
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* Board directed fees of public art and landscape enhancements waived.

Recommendation

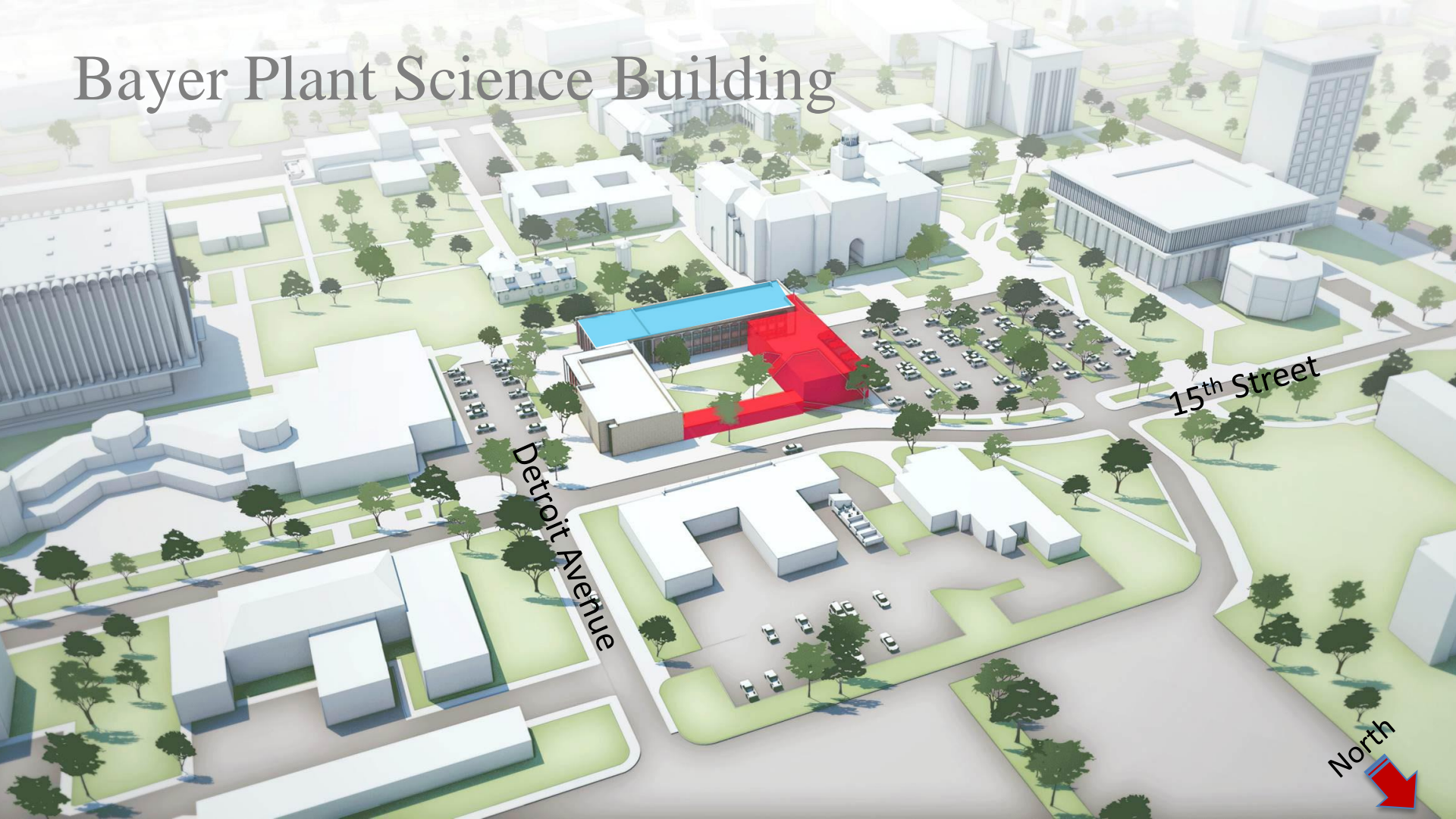
- Authorize the Operations Division, Department of Engineering Services, to proceed with a project to plan and design the Art Building's HVAC Replacement project with a project budget of \$2,428,000; waive the board directed fees for public art and landscape enhancements; complete the contract documents; and award a construction contract.
- The project will be funded with Higher Education Assistance Funds ("HEAF").

Texas Tech University

Approve naming of new facility and
renaming of existing building in
Department of Plant and Soil Science

Scott Cooksey

Bayer Plant Science Building



Detroit Avenue

15th Street



Texas Tech University System

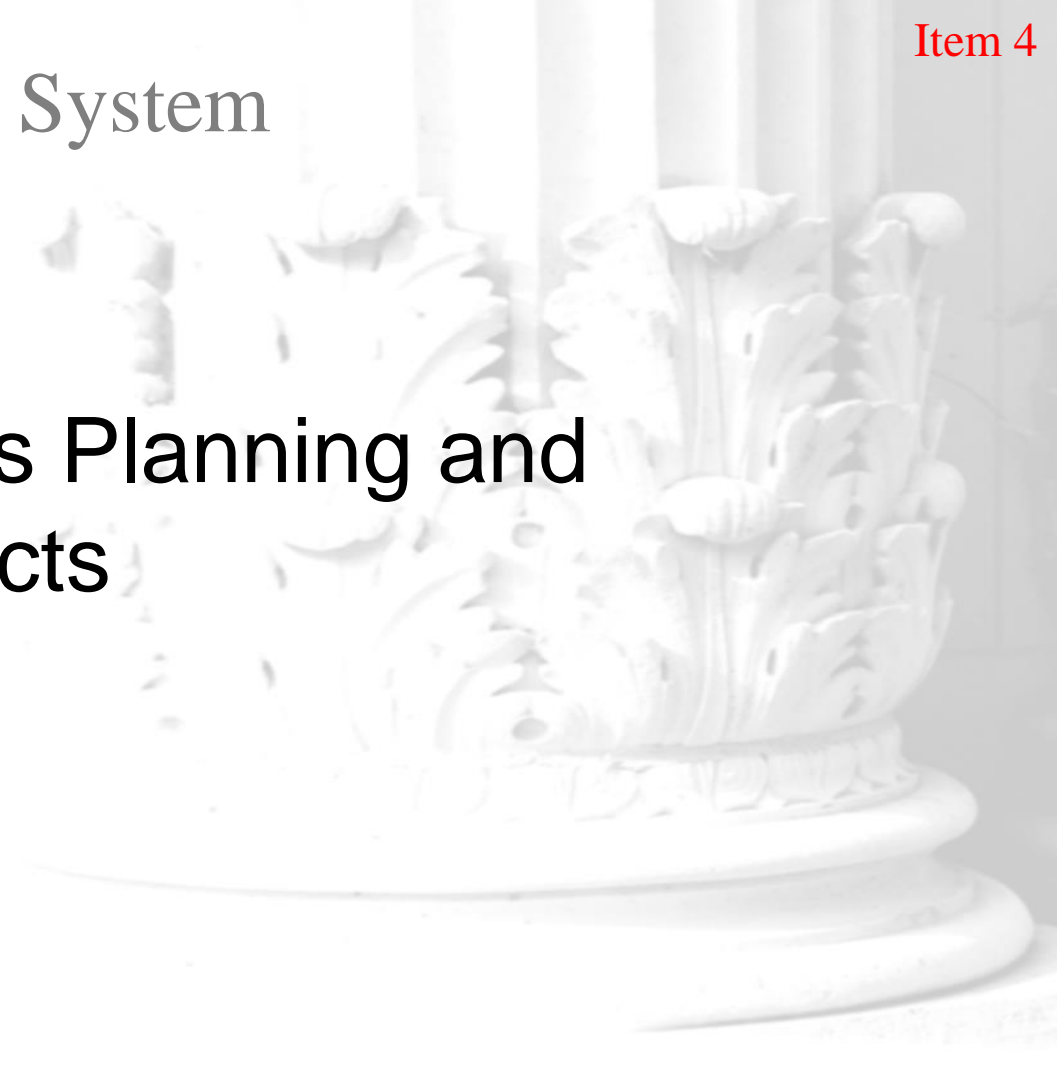
Approve amendments to Chapter 8 of the *Regents' Rules*

Michael S. Molina

Texas Tech University System

Report on Facilities Planning and Construction projects

Michael S. Molina



TTU / TTUHSC Master Plan Update



DRAFT – 2012 Campus Land Use Map

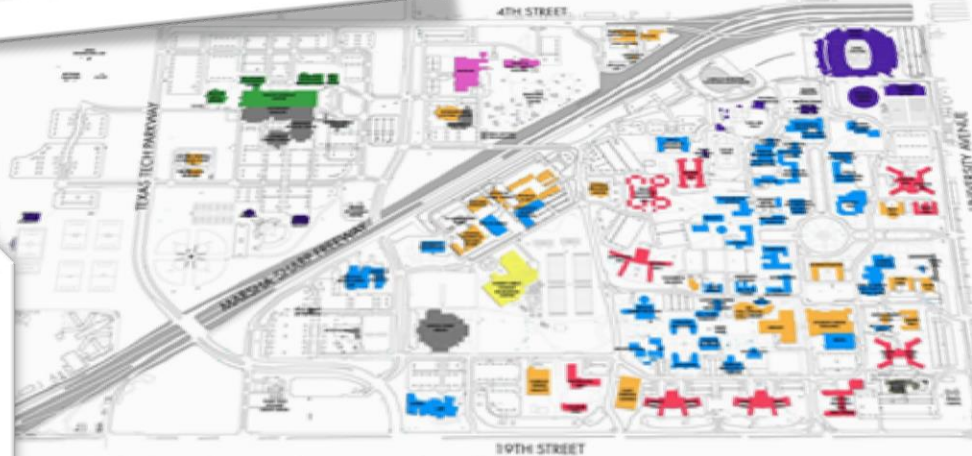
LEGEND

- ACADEMIC
- HOUSING & DINING
- ATHLETICS
- STUDENT RECREATION
- TTUHSC
- MUSEUM DISTRICT
- STUDENT AND SUPPORT SERVICES
- OTHER FACILITIES



Common Points of Interest

- Historic Building District
- 10 Minute Academic Core
- Land Endowment Parcels
- Auditorium / Coliseum
- Safety Issues
- Parking Issues
- Sacred Ground



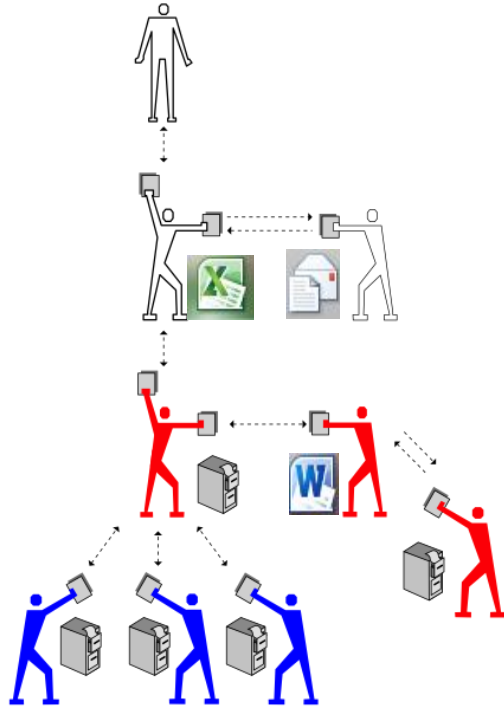
TTU Athletic Facilities Vision

Michael S. Molina

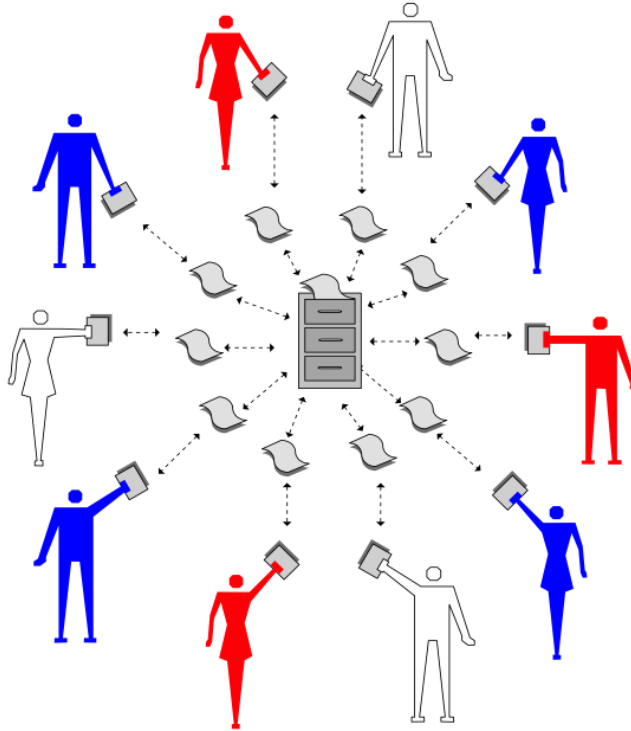
Kirby Hocutt

Integrated Project Management Platform System

➤ Clarity and Control / Increased Efficiency



Traditional

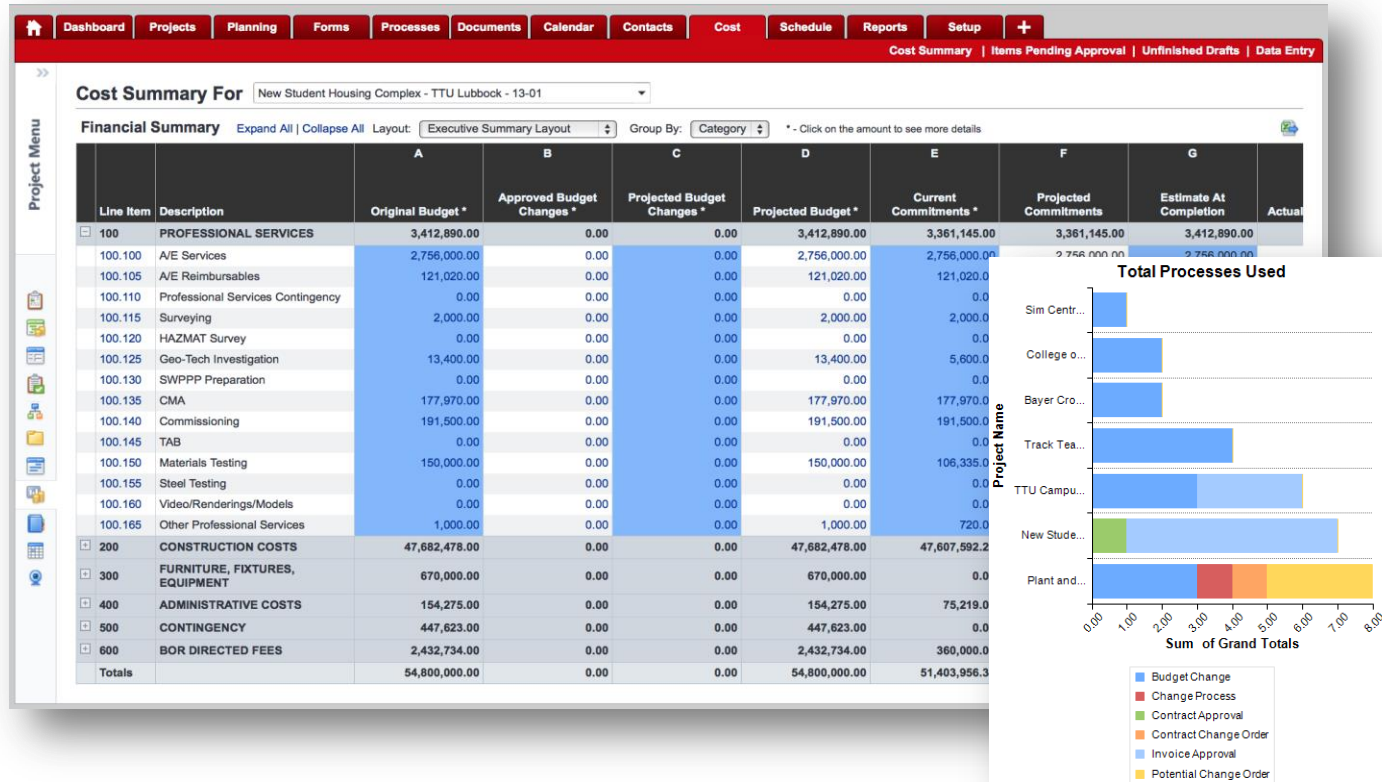


Collaborative

- *Auditability*
- *Accountability*
- *Transparency*
- *Centralized Doc. Management*
- *Workflow*
- *Project Controls*
- *Direct Link to Industry*
- *Defined Workflow Processes*
- *Routing History*
- *Eliminates Redundant Data Entry*
- *Access from any Device w/ Internet*

Integrated Project Management Platform System Item 4

➤ Fiscal Management

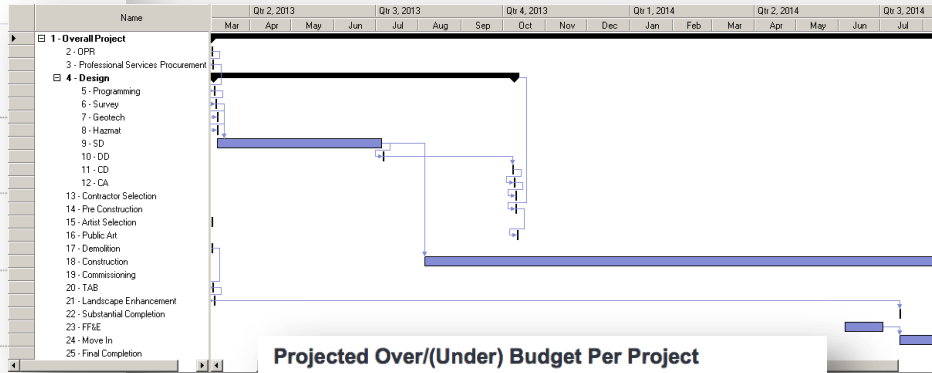
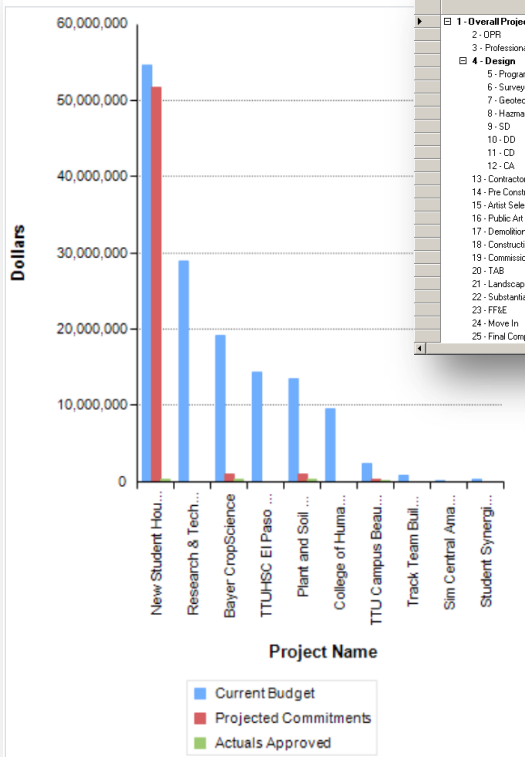


- Detailed Project Cost Summaries
- Funding Source Management
- Budget Tracking
- Contracts/PO's
- Forecasting
- Linked Invoicing To Work Performed

Integrated Project Management Platform System

➤ Real-Time Reporting

Budget vs. Commitments vs. Actuals



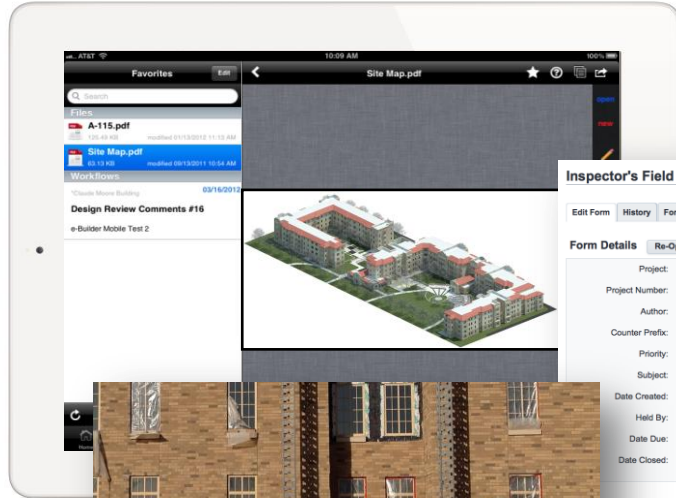
Projected Over/(Under) Budget Per Project

Project Name	Sum of Projected Over/(Under)
Student Synergistic Center Amarillo	(115,395.00)
Sim Central Amarillo	(209,000.00)
Track Team Building Renovation	(1,332,307.00)
TTU Campus Beautification	(2,102,353.30)
New Student Housing Complex	(2,911,043.66)
College of Human Sciences Life Safety Upgrade	(9,650,000.00)
Plant and Soil Science Building	(12,423,948.32)
TTUHSC El Paso School of Nursing	(14,500,000.00)
Bayer CropScience	(18,165,057.70)
Research & Technology Park - Phase 1	(29,045,000.00)

- Cost Reporting
- Budget vs Actuals
- Current Project Schedule vs Goal
- Cash Flow Snapshots
- Quality Assurance Quick Response
- Accurate Data

Integrated Project Management Platform System

➤ Quality Assurance & Risk Management



Inspector's Field Report #1

[Edit Form](#)
[History](#)
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Form Details [Re-Open](#)

Project: New Student Housing Complex
 Project Number: 13-01
 Author: Pierce, Lonnie
 Counter Prefix:
 Priority: Normal
 Subject: #13-01 NSHC
 Date Created: 02.07.2014 03:41pm
 Held By: Pierce, Lonnie
 Date Due: 02.14.2014
 Date Closed: 02.10.2014 08:01am

[Fields](#)
[Comments \(4\)](#)
[Attached Files \(6\)](#)
[Attached Forms \(0\)](#)
[Attached To](#)

* Date: 02.14.2014
 * Reported By: Lonnie Pierce
 Estimated % of Completion:
 Is Project on Time:
 Work in Progress: ☒ Yes ☐ No

* Safety: Contractor and Sub-contractors are conducting weekly safety meetings. Due to the cold and icy weather the past week we have had a couple of slip/fall accidents. Safety Violation-subcontractor was using a grinder that had no guard and was attached to a PVC pipe with gray tape. The switch was locked in the "on" position. I made WT aware of this issue.

Contractors on Site: Armstrong Mechanical, Cheyenne Construction Co., D-K Hunt Elec., Gate Precast, Jeans Waterproofing, Llano Masonry, Morris Drywall, MSI, Panhandle Fire Protection, SCS (Fox Block), Wood Truss-Darrell Julian Con., West Texas Utility Contractors, McInemey & Associates(Window), V-tech Environmental Services (SWPPP).

* Observations: Apartment areas: 1st Floor Bldg. - A, areas A, B, C.



- Document Control
- Red-line Function
- Auditing
- On-site Inspection Reports
- Mobile Enabled



Petroleum Engineering and Research Building

➤ **Project Budget - \$22,800,000 / 43,886 GSF**

Completion Date:
January 2014



New Student Housing Complex

➤ **Project Budget - \$54,800,000 / 234,501 GSF**

Completion Date:
July/Aug 2014



Biological Sciences Buildings Life Safety Upgrades

Item 4

➤ **Project Budget - \$8,300,000 / 156,219 GSF**

Completion Date:
March 2014



Track Team Building Renovation

➤ **Project Budget - \$1,295,627 / 10,482 GSF**

Completion Date:
May 2014



University College Building and Trait Development Facility

Item 4

➤ **Project Budget - \$19,316,135 / 74,990 GSF**

Completion Date:
Jan 2015



The Larry Combest Community Health and Wellness Center Expansion

Item 4

➤ **Project Budget - \$5,108,500 / 10,248 GSF**

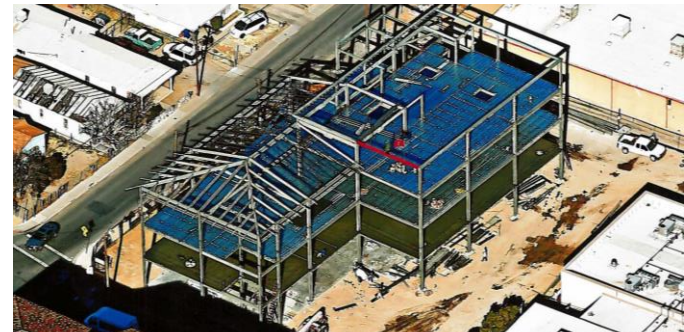
Completion Date:
Jan/Feb 2014



El Paso School of Nursing

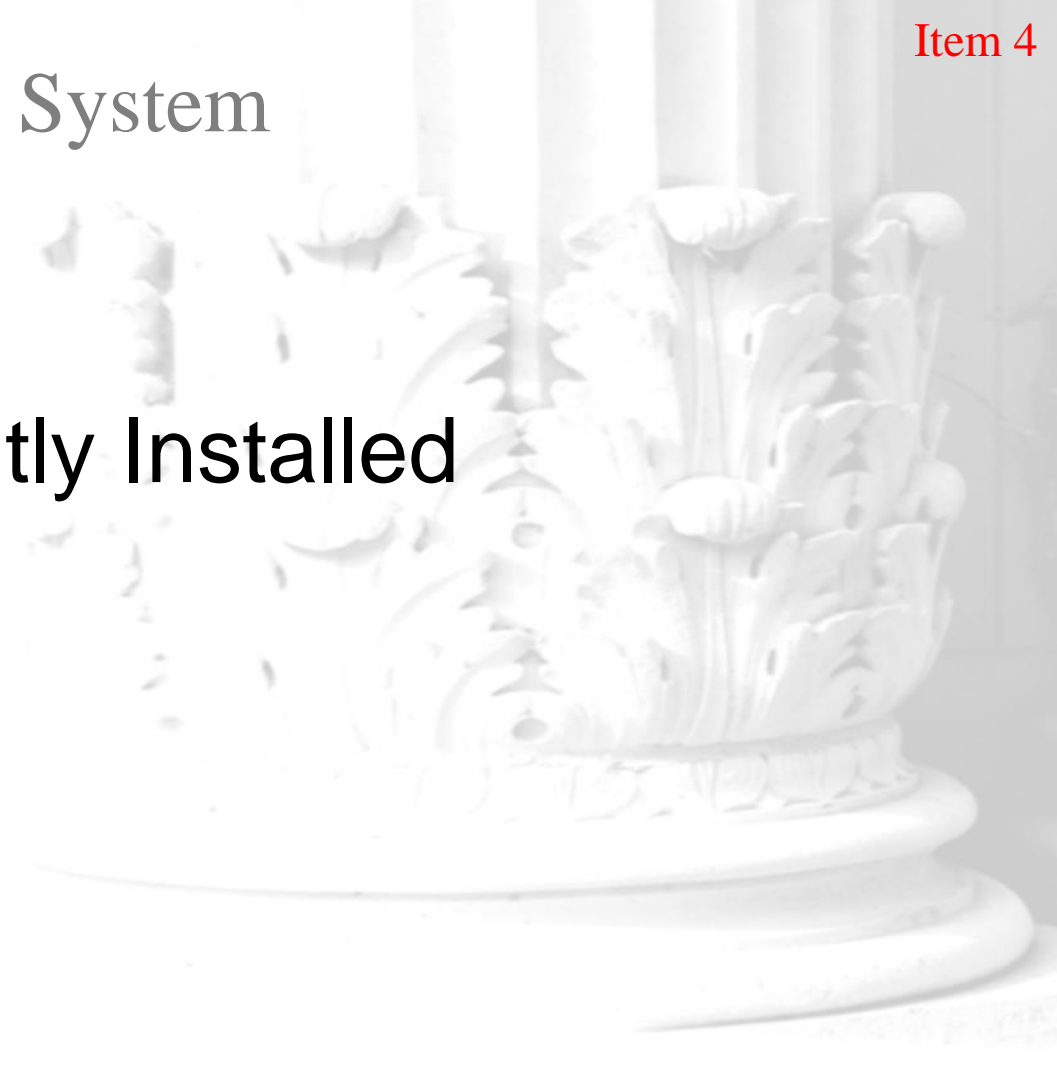
➤ **Project Budget - \$14,500,000 / 35,000 GSF**

Completion Date:
September 2014



Texas Tech University System

Public Art – Recently Installed



ASU Plaza Verde Residence Hall

Roger White Stoller (Portola Valley, CA)
SunHelix

\$375,000

Installed November 2013



The Larry Combest Community Health and Wellness Center Expansion

Item 4

Joshua Winer and David Fichter
(Waltham, MA)

\$45,000

Installed November 2013



Petroleum Engineering and Research Building

Juanjo Novella (Portugalete, Spain)

Fountain

\$193,000

Installed December 2013



Texas Tech University System

Public Art – In Progress

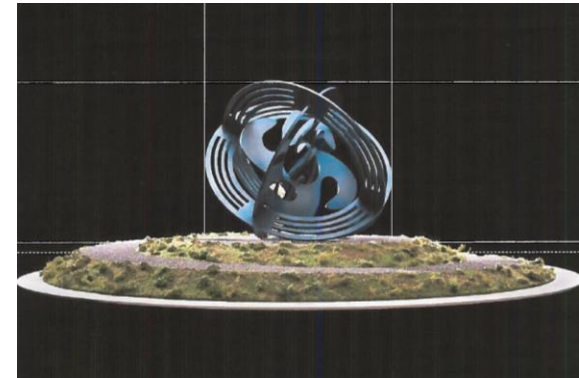


Experimental Sciences Build-Out

Owen Morrel (Peconic, NY)
Astrolabe

\$235,000

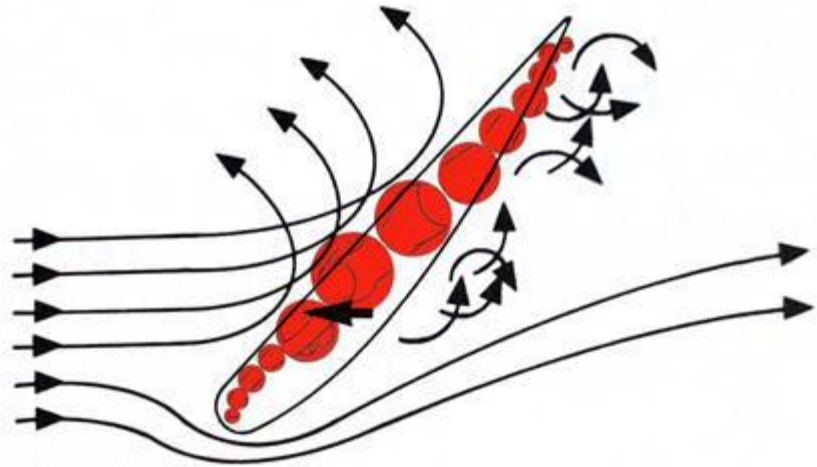
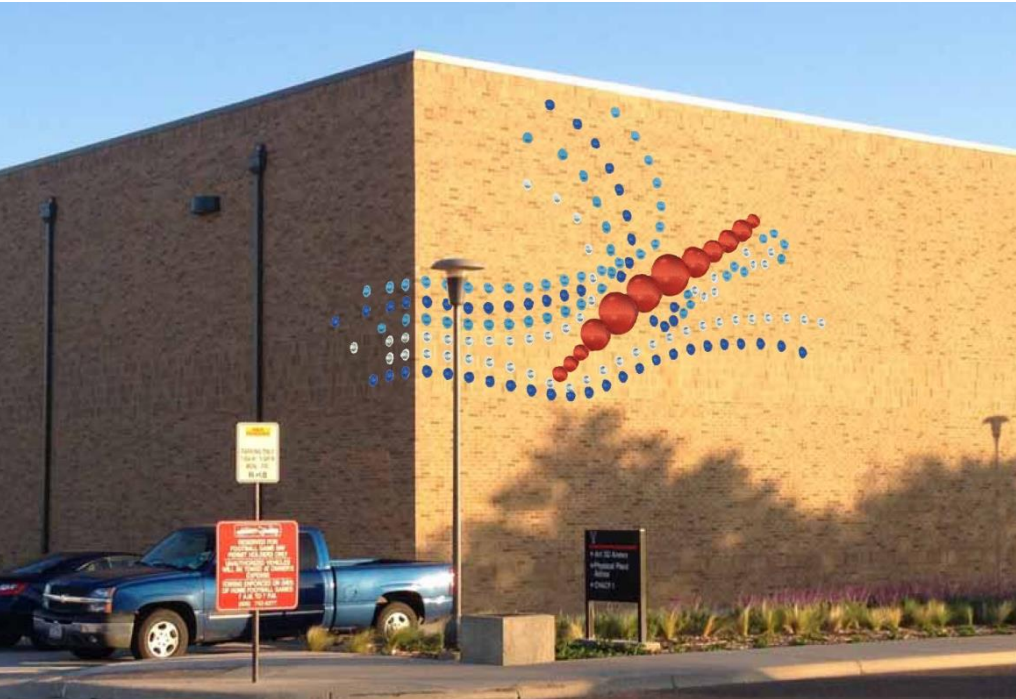
Estimated Installation Spring 2014



Exercise & Sports Sciences

Nancy Lovendahl (Old Snowmass, CO)
Flowmotion

\$57,000

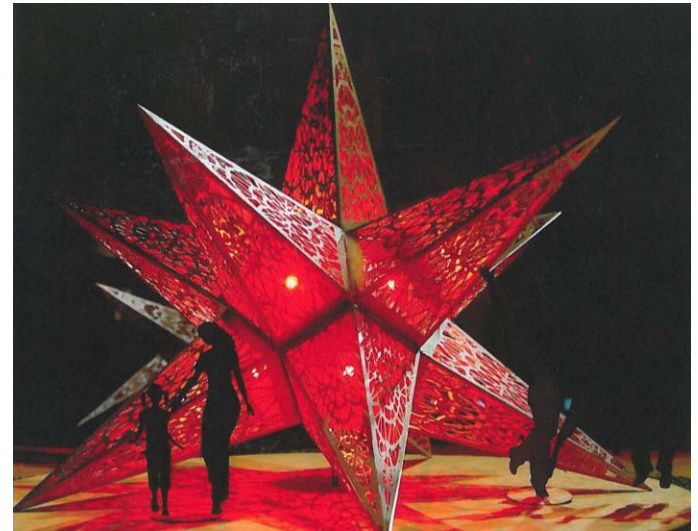
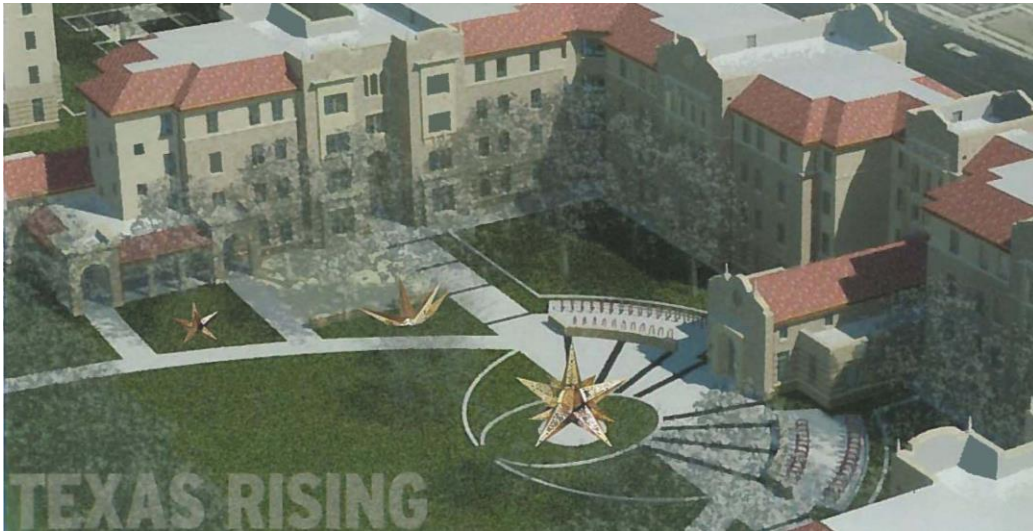


New Student Housing Complex

Joe O'Connell and Blessing Hancock
(Tuscon, AZ)
Texas Rising

\$485,000

Estimated Installation August 2014



Under Construction

TTU	<u>Project</u>	<u>Cost</u>	<u>Status</u>	<u>Completion Date</u>
	Printech Building Renovation (Exercise & Sports Sciences)	\$ 7,200,000	Complete, Art Pending	June 2012
	BSL-3 Lab at the institute of Environmental & Human Health	\$ 2,400,000	Complete, Warranty	April 2013
	The Burkhart Center for Autism Education and Research	\$ 10,600,000	Complete, Warranty	September/October 2013
	Architecture Building Life Safety Upgrades	\$ 7,400,000	Complete, Warranty	September 2013
	Petroleum Engineering and Research Building	\$ 22,800,000	Under Construction	January 2014
	New Student Housing Complex	\$ 54,800,000	Under Construction	July/August 2014
	Biological Sciences Buildings Life Safety Upgrades	\$ 8,300,000	Under Construction	March 2014
	Jones AT&T Video Scoreboard Package	\$ 11,000,000	Complete, Warranty	August 2013
	Track Team Building Renovation	\$ 1,295,627	Under Construction	May 2014
ASU	University College Building and Trait Development Facility	\$ 19,316,135	Under Construction	January 2015
	Jones AT&T Stadium Colonnade and Infill Seating	\$ 5,350,000	Substantially Complete	October 2013
TTU Total		\$ 150,461,762		
ASU Total		\$ -		
HSC	The Larry Combest Community Health and Wellness Center Expansion	\$ 5,108,500	Under Construction	January/February 2014
	El Paso School of Nursing	\$ 14,500,000	Under Construction	September 2014
	HSC Total	\$ 19,608,500		
Under Construction Grand Total		\$ 170,070,262		

In Design

	<u>Project</u>	<u>Cost</u>	<u>Status</u>	<u>Completion Date</u>
TTU	Petroleum Engineering Bldg Renovation for Maddox Chairs	\$ 2,900,000	On Hold	TBD
	Texas Tech Plaza Renovation Phase II	\$ 7,500,000	On Hold	TBD
	Plant & Soil Science Building	\$ 13,600,000	In Design	June 2015
	College of Visual and Performing Arts	TBD	Program Complete	TBD
	Research & Technology Park Phase I	\$ 29,045,000	In Design	May 2015
	Engineering & Materials Research Center Renovation	\$ 1,680,000	In Design	TBD
	University College Building and Trait Development Facility	\$ 19,316,135	In Design	TBD
	College of Human Sciences Life Safety Upgrade	\$ 9,650,000	In Design	TBD
	Campus Beautification	\$ 2,500,000	In Design	August 2014
	Admin Bldg Parking Feasibility Study	TBD	Study Complete	TBD
	TTU Total	\$ 86,191,135		
ASU	Agriculture Education Training Center	\$ 1,077,000	In Design	TBD
	College of Health & Human Services	\$ 18,620,000	On Hold	TBD
	ASU Total	\$ 19,697,000		
HSC	Amarillo Simulation Center	\$ 6,750,000	In Design	TBD
	Amarillo Student Synergistic Center	\$ 4,000,000	In Design	TBD
	HSC Total	\$ 10,750,000		
	In Design Grand Total	\$ 116,638,135		

Prospective

	<u>Project</u>	<u>Cost</u>	<u>Status</u>	<u>Completion Date</u>
TTU	Research Building (ESB II)	\$ 87,750,000	Proposed	TBD
	College of Engineering Expansion/Renovation Phase II	\$ 90,000,000	Proposed	TBD
	Weeks Hall Abatement and Renovation	\$ 21,000,000	Proposed	TBD
	University Data Center	\$ 20,000,000	Proposed	TBD
	Jones AT&T Stadium East Building Finish Out	\$ 22,000,000	Proposed	TBD
	TTU Total	\$ 240,750,000		
ASU	Cavness Science Building Renovation	\$ 48,000,000	Proposed	TBD
	ASU Total	\$ 48,000,000		
HSC	Lubbock Education, Research & Technology Renovation	\$ 45,000,000	Proposed	TBD
	El Paso Medical Science Building II	\$ 99,000,000	Proposed	TBD
	El Paso Clinical Sciences Building	\$ 30,000,000	Proposed	TBD
	Permian Basin Academic Facility	\$ 18,900,000	Proposed	TBD
	Amarillo Panhandle Clinical/Hospital Simulation Center	\$ 16,500,000	Proposed	TBD
	Amarillo Women's Health & Research Institute Renovation	\$ 12,800,000	Proposed	TBD
	HSC Total	\$ 222,200,000		
	Future Grand Total	\$ 510,950,000		



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