

**UNIVERSITY OF ALABAMA SYSTEM
BOARD RULE 415
BOARD SUBMITTAL CHECKLIST CRITERIA**

**BOARD SUBMITTAL CHECKLIST NO. 4
CAPITAL PROJECT - STAGE IV SUBMITTAL ^{/1}
(Construction Contract Award)**

CAMPUS: The University of Alabama, Tuscaloosa, Alabama

PROJECT NAME: High Performance Computing and Data Center

MEETING DATE: September 5, 2024

- ☒ 1. Board Submittal Checklist No. 4
- ☒ 2. Transmittal Letter to Chancellor from Campus President requesting project be placed on the agendas for the forthcoming Physical Properties Committee and Board of Trustees (or Executive Committee) Meetings
- ☒ 3. Proposed Board Resolution requesting approval of Construction Contract Award, Construction Budget and Project Budget by the Board of Trustees
- ☒ 4. Executive Summary of Proposed Capital Project with final Contract Construction Budget and Project Budget (include all proposed project funding for movable equipment and furnishings) ^{/2}
- ☒ 5. Tabulation of competitive bids – certified by Project Architect/Construction Manager
- ☒ 6. Recommendations for Contract Award by Architect/Construction Manager
- ☒ 7. Campus Map(s) showing project site
- ☐ 8. Final Business Plan (if applicable) ^{/3}

Prepared by: Joshua Bollinger

Approved by:

Tim Leopand

Ok Monday 7/29/24

^{/1} Reference Tab 3I - Board Rule 415 Instructional Guide

^{/2} Reference Tab 3E - Board Rule 415 Instructional Guide

^{/3} Reference Tab 3V - Board Rule 415 Instructional Guide



Office of the
President

July 29, 2024

Interim Chancellor Sid J. Trant
The University of Alabama System
500 University Boulevard East
Tuscaloosa, Alabama 35401

Dear Interim Chancellor Trant,

I am pleased to send you for approval under Board Rule 415 the attached documents for a Stage IV submittal for the High Performance Computing and Data Center project.

The resolution requests authorization to award the construction contract for Construction Package B – Utility and Infrastructure and approval of a budget reallocation.

The item has been thoroughly reviewed and has my endorsement. With your concurrence, I ask that it be added to the agenda for the Board of Trustees of The University of Alabama at their regular meeting on September 5, 2024.

Sincerely,

A handwritten signature in black ink, appearing to read "SRB", written over a horizontal line.

Stuart R. Bell
President

Enclosure



THE UNIVERSITY OF ALABAMA

Approving the reallocated project budget; granting authorization to execute a Construction Contract for the High Performance Computing and Data Center

RESOLUTION

WHEREAS, on September 1, 2023, in accordance with Board Rule 415, The Board of Trustees of the University of Alabama (“Board”) approved a Stage I submittal for the High Performance Computing and Data Center (“HPC”) project (“Project”) to be located at 709 Johnny Stallings Drive; and

WHEREAS, the Project will provide numerous opportunities for students and faculty to engage in and experience a leading-edge computing technology environment and greatly enhance overall institutional research effectiveness, increasing the University’s productivity and innovation in research, scholarship, and creative activities; and

WHEREAS, modeling and simulation on HPC resources are a critical factor in the success of research in science and engineering, and state-of-the-art simulation, such as hydrological modeling, requires computing resources far beyond what is available from the University of Alabama’s (“University”) current HPC platforms; and

WHEREAS, the availability of Petascale-computational resources removes existing bottlenecks to the advancement of research requiring large-scale computational simulations, the training of complex Artificial Intelligence/Machine Learning models, and the development of new data science applications, and as a result, the Project will allow researchers to make scientific and engineering advances that are currently unavailable due to the University’s limited computational capability; and

WHEREAS, the Project entails the construction of an approximately 40,000 GSF two-story HPC that will solidify and propel the advancement of the University’s academic mission and research and development capabilities as an R1 institution; and

WHEREAS, the Project will include space for University support staff offices and work areas as well as shell space for a future secure suite, and the facility will be designed to provide for efficient expansion of computing over time by providing an accessible structure and shell space for both compute and support infrastructure and an additional 5000 gross square feet will be bid as an add alternate to support this as reflected in the proposed renderings; and

WHEREAS, the Project will include the purchase of HPC equipment and will provide an appropriate environment for the operation thereof; and

WHEREAS, the proposed site is ideally located adjacent to Alabama Power Company high voltage transmission lines that will provide adequate and resilient capacity for current use and projected growth, which will require the University to contract with Alabama Power Company for service and to provide easements necessary to accommodate the substation location and service lines; and

WHEREAS, to mitigate the effects of continued industry lead time issues and to deliver the building as timely as possible, the Project is separated into multiple packages: Package A – MV Infrastructure and Substation, Package B – Utility and Infrastructure, and Package C – Main Construction of Building and System, and will also include Owner Furnished Contractor Installed (“OFCI”) Equipment; and

WHEREAS, on November 3, 2023, in accordance with Board Rule 415, the Board approved the top ranked architectural firms and authorized officials of The University of Alabama (“University”) to proceed with negotiations with Davis Architects, inc. (“Davis Architects”) of Birmingham, Alabama; and

WHEREAS, upon completion of negotiations with Davis Architects, Birmingham, Alabama, the University established a final design fee of 5.6% of the cost of the Construction Packages B-C, Landscaping, and OFCI Equipment, \$77,615 for additional services which includes the fee for the design of Package A, and \$52,477 for reimbursable expenses, for a total fee for Davis Architects of \$2,885,292; and

WHEREAS, the change in the design fee is based on a move from a Group III to Group IV based on the technical complexity of the Project and additional services required to appropriately plan and coordinate the systems and HPC environment and support; and

WHEREAS, on November 3, 2023, in accordance with Board Rule 415, the Board approved the top ranked commissioning agents and authorized officials of The University to proceed with negotiations with Environmental Systems Corporation of Huntsville, Alabama; and

WHEREAS, upon completion of negotiations with Environmental Systems Corporation of Huntsville, Alabama, the University established a final lump sum fee of \$443,039; and

WHEREAS, on April 12, 2024 the University approved a Budget Reallocation to reflect the final negotiated design and commissioning fees; and

WHEREAS, in accordance with Board Rule 415, on April 12, 2024, the Board approved renderings for the Stage III submittal for the project; and

WHEREAS, on July 18, 2024, pursuant to Title 39, Public Works provisions of the Code of Alabama, competitive bids were received for Package B - Utility and Infrastructure and CivilCON, LLC, Tuscaloosa, Alabama ("CivilCON") was declared the lowest responsible bidder with a base bid amount of \$1,919,051 as referenced on the certified bid tab, for the work related to the Project; and

WHEREAS, the University is requesting approval to award the construction contract for Package B - Utility and Infrastructure to CivilCON in the amount of \$1,919,051 and

WHEREAS, the University is requesting approval for a Budget Reallocation to reflect the bid result savings and associated Construction Contract; and

WHEREAS, the University is requesting approval for a budget reallocation for scope that has been restructured from Package B - Utility and Infrastructure to Package C - Main Construction of Building and Systems to better coordinate construction activities; and

WHEREAS, the Project is funded from a National Institute of Standards and Technology ("NIST") Grant in the amount of \$44,550,000 (2023-NIST-CICGP-01), State of Alabama ETF Supplemental Appropriations in the amount of \$46,000,000 (enacted Act 2023-378/SB-87), and University Central Reserves in the \$5,450,000; and

WHEREAS, the Project Budget includes infrastructure associated with supporting Education and General Funded enterprise-level computing systems, and that scope of work will be funded with University Central Reserves; and

WHEREAS, the Project location and program have been reviewed and are consistent with the University Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the reallocated budget for the project is stipulated below:

BUDGET:	REVISED
Package A - MV Infrastructure and Substation	\$ 1,287,551
Package B - Utility and Infrastructure	\$ 1,919,051
Package C - Main Construction of Building and Systems	\$ 36,080,949
Landscaping	\$ 200,000
Owner Furnished Contractor Installed (OFCI) Equipment	\$ 11,000,000
Owner Furnished HPC Equipment	\$ 25,000,000
Furniture, Fixtures, and Equipment	\$ 100,000
Security/Access Control	\$ 500,000
Telecommunication/Data	\$ 500,000
Contingency ¹	\$ 2,524,378
UA Project Management Fee ²	\$ 1,855,417
Programming and Grant Preparation	\$ 375,000
Architect/Engineer Fee ³	\$ 2,885,292
Commissioning Agent	\$ 443,039
Other (CMT, Surveys, inspections, advertisement, DCM review, Insurance)	\$ 1,043,609
Escalation ⁴	\$ 10,285,714
TOTAL PROJECT COST	\$ 96,000,000

¹Contingency is based on 5% of the cost of the Packages A-C, Landscaping, and OFCI Equipment.

²UA Project Management fee is based on 3.5% of the costs of the Packages A-C, Landscaping, OFCI Equipment, and Contingency.

³Architect/Engineer Fee is based on 5.6% (Group IV) of the cost of the Packages B-C, Landscaping, OFCI Equipment, \$77,615 for additional services (incl Package A), and \$52,477 for reimbursable expenses.

⁴Escalation is based on an anticipated 12% inflation through the estimated bid date of September 2024.

Current Package for Contract Award Approval

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Budget Reallocation for the Project is approved as stipulated above.

BE IT FURTHER RESOLVED, that Stuart R. Bell, President, Cheryl Mowdy; Interim Vice President of Finance and Operations and Treasurer; or those officers named in the most recent Board Resolutions granting signature authority for The University of Alabama be, and each hereby are, authorized to act for and on behalf of the Board of Trustees to execute the aforementioned contract with CivilCON, LLC, Tuscaloosa, Alabama, for Package B - Utility and Infrastructure for this Project in accordance with Board Rule 415.

EXECUTIVE SUMMARY
PROPOSED CAPITAL PROJECT
BOARD OF TRUSTEES SUBMITTAL

MEETING DATE: September 5, 2024

CAMPUS: The University of Alabama, Tuscaloosa, Alabama

PROJECT NAME: High Performance Computing and Data Center

PROJECT NUMBER: 008-23-3287

PROJECT LOCATION: 709 Johnny Stallings Drive, Tuscaloosa, AL

ARCHITECT: Davis Architects, Inc., Birmingham, AL

THIS SUBMITTAL:

- ☐ Stage I
- ☐ Stage II
- ☐ Campus Master Plan Amendment
- ☐ Stage III
- ☒ Stage IV – Package A and B

PREVIOUS APPROVALS:

September 1, 2023

November 3, 2023

April 12, 2024

PROJECT TYPE	SPACE CATEGORIES	PERCENTAGE	GSF
☒ Building Construction	Laboratory Facilities	~ 1.5%	588
☐ Building Addition	Office Facilities	~4.9%	1,958
☐ Building Renovation	Special Use Facilities	~ 0.4%	147
☐ Equipment	Central Service/ Support	~ 24.8%	9,941
	Residential Facilities	~2.7%	1,090
	Circulation Area	~12.5%	4,996
	Building Service Area	~ 0.5%	213
	Mechanical Area	~52.7%	21,067
	TOTAL	100%	40,000

BUDGET	CURRENT		REVISED
Package A - MV Infrastructure and Substation	\$	1,287,551	\$ 1,287,551
Package B - Utility and Infrastructure	\$	3,000,000	\$ 1,919,051
Package C - Main Construction of Building and Systems	\$	35,000,000	\$ 36,080,949
Landscaping	\$	200,000	\$ 200,000
Owner Furnished Contractor Installed (OFCI) Equipment	\$	11,000,000	\$ 11,000,000
Owner Furnished HPC Equipment	\$	25,000,000	\$ 25,000,000
Furniture, Fixtures, and Equipment	\$	100,000	\$ 100,000
Security/Access Control	\$	500,000	\$ 500,000
Telecommunication/Data	\$	500,000	\$ 500,000
Contingency ¹	\$	2,524,378	\$ 2,524,378
UA Project Management Fee ²	\$	1,855,417	\$ 1,855,417
Programming and Grant Preparation	\$	375,000	\$ 375,000
Architect/Engineer Fee ³	\$	2,885,292	\$ 2,885,292
Commissioning Agent	\$	443,039	\$ 443,039
Other (Surveys, inspections, advertisement, DCM review, Insurance)	\$	1,043,609	\$ 1,043,609
Escalation ⁴	\$	10,285,714	\$ 10,285,714
TOTAL PROJECT COST	\$	96,000,000	\$ 96,000,000
Total Construction Cost per square foot \$1,325			

¹Contingency is based on 5% of the cost of the Packages A-C, Landscaping, and OFCI Equipment.

²UA Project Management fee is based on 3.5% of the costs of the Packages A-C, Landscaping, OFCI Equipment, and Contingency.

³Architect/Engineer Fee is based on 5.6% (Group IV) of the cost of the Packages B-C, Landscaping, OFCI Equipment, \$77,615 for additional services (including Package A), and \$52,477 for reimbursable expenses.

⁴Escalation is based on an anticipated 12% inflation through the estimated bid date of September 2024.

Current Package for Contract Award Approval.

ESTIMATED ANNUAL OPERATING AND MAINTENANCE (O&M) COSTS:

(Utilities, Housekeeping, Maintenance, Insurance, Other)

40,000gsf x ~\$24.90/sf \$ 995,939

Total Estimated Annual O&M Costs*: \$ 995,939

*Annual O&M Cost estimated for 2MW operating load in Year 1, increasing to 8MW by Year 6 at an estimated Annual O&M Cost of \$3,423,379.

FUNDING SOURCE:

Federal NIST Grant (2023-NIST-CICGP-01) \$ 44,550,000

State Appropriation (Act 2023-378/SB-87) \$ 46,000,000

UA Central Reserves \$ 5,450,000

O&M Costs: Recharge to the User and F&A \$ 995,939
recovered funds from ORED*

*Annual O&M Cost estimated for 2MW operating load in Year 1, increasing to 8MW by Year 6 at an estimated Annual O&M Cost of \$3,423,379.

NEW EQUIPMENT REQUIRED

OFCI Equipment:* \$11,000,000

Generators

Supervisory Control and Data Acquisition and
Substation Switchgear

HVAC Equipment

HPC Equipment \$25,000,000

Total Equipment Costs: **\$36,000,000**

*identified long lead equipment as appropriate to efficiently deliver the project

PROJECT SCOPE:

The UA High Performance Computing and Data Center project, located at 709 Johnny Stallings Drive, Tuscaloosa, AL, will consist of new construction of an approximately 40,000 gross square feet (“gsf”) building to serve the campus academic needs, the Office of Research and Economic Development (ORED), and strategic partners.

The Project will consist of the new construction of a 2-story space for the HPC equipment that will include people space for UA staff office and work areas as well as shell space for a future secure suite. The facility will be designed to provide for efficient expansion of computing over time by providing an accessible structure and shell space for both compute and support infrastructure.

The building will have an aesthetic and massing to complement the surrounding architecture and promote education of next generation HPC systems to staff, students, and visitors. The project includes a dedicated chiller plant located adjacent to the new building and all necessary vehicular access for deliveries, service vehicles, and emergency vehicles.

The Project will include the purchase of HPC equipment and will provide an appropriate environment for the operation thereof.

The project will also include a new approximately 22,500 gsf electrical substation yard. The proposed site is ideally located adjacent to Alabama Power high voltage transmission lines which will provide adequate and resilient capacity for current use and projected growth. As these lines also serve a nearby hospital, their operation and reliability are considered critical and would be addressed as a priority in case of a major outage. This will help ensure the continuity of operations for the facility and support an efficient cost of initial construction due to the close proximity.

The selected site aligns with the UA Master plan. The proposed site was chosen considering multiple factors, chiefly the availability of high capacity and resilient electrical service, availability and capacity of other support infrastructure and utilities and environmental resiliency. The site and layout will also consider any needed future expansion of the Capstone College of Nursing.

PROJECT STATUS		
SCHEMATIC DESIGN:	Date Initiated	Nov 2023
	% Complete	100%
	Date Completed	December 2023
PRELIMINARY DESIGN:	Date Initiated	Jan 2024
	% Complete	100%
	Date Completed	March 2024
CONSTRUCTION DOCUMENTS:	Date Initiated	Apr 2024
	% Complete	100%
	Date Completed	August 2024
SCHEDULED BID DATE:	September 2024	

**N/A on Stage I Projects*

RELATIONSHIP AND ENHANCEMENT OF CAMPUS PROGRAMS

High Performance Computing (“HPC”) plays a vital role in many scientific, industrial, and societal advancements due to the complexity of the questions and problems at hand. The creation of the UA Center for High Performance Computing (“Center”) will utilize HPC resources to answer our biggest questions related to water, mobility, and power technologies. These areas also provide profound economic development opportunities for the state of Alabama. The Center will enable current and future UA researchers, students, and other scientists from around the state and world to collaborate with UA and partners to promote research & development, economic development, and talent and workforce development in areas critical to the future of the state of Alabama, water, and transportation.

The University of Alabama has become a nexus for water research with the colocation of strategic partners at the National Oceanic and Atmospheric Administration National Water Center and at the U.S. Geological Survey Hydrological Instrumentation Facility. These partners will benefit from the Center as we all seek to advance a new generation of improved products for effective decision making in protecting life and property related to water security, water excess, water scarcity, water potability, etc. The establishment of the Center will enable groundbreaking scientific discoveries translatable to operational water modeling. The Center will enable UA principal investigators and their partners to utilize new HPC tools and either widen or deepen their research foci. A new, dedicated HPC center with a focus on water will speed the timeliness and efficiency of moving research into operations as they develop new products, all while reducing production costs.

For mobility and power, our partners are universities in The University of Alabama System, industry in Alabama and K-12, community colleges, and other universities. The Center will be closely aligned with the Alabama Mobility and Power Center (“AMP Center”), a highly unique

and timely public-private partnership with state and national importance. The Center will allow and support the AMP Center to address problems transforming highway transportation as electric vehicles achieve mass deployment. These problems involve large scale network optimization that will enable overall management of energy distribution, routing of vehicles to optimize energy utilization, and analyses of network traffic to support cybersecurity of electric vehicles.

This project is a critical step in the advancement of the University's research and development capabilities as an R1 institution. Modeling and simulation on HPC resources are a critical factor in the success of research in science and engineering. State-of-the-art simulation, such as hydrological modeling, requires computing resources far beyond what is available from UA's current HPC platforms. This project will drive substantial innovation and effectiveness of research by:

- Supporting the University's role as national water and transportation leader through expanding the advanced computing capacity essential for state-of-the-art research in those critical Alabama centers of economic investment
- Enhancing existing programs in STEM fields such as chemistry and biochemistry; astrophysics and cosmology; geology, geography, and environmental engineering; biology, especially genomics analysis; chemical engineering, materials engineering, physics for materials properties analysis, design, and engineering; and psychology, especially for image analysis
- Providing a competitive advantage to the University in the procurement of federal and private industry grants and contracts
- Driving student workforce development in skills and knowledge essential for an agile 21st century Alabama workforce including software engineering, mobility and power technologies, hydrology and water security, Artificial Intelligence and Machine Learning, and computational sciences

The project greatly enhances overall institutional research effectiveness, increasing the University's productivity and innovation in research, scholarship, and creative activities. The availability of Petascale-computational resources removes existing bottlenecks to the advancement of research requiring large-scale computational simulations, the training of complex Artificial Intelligence/Machine Learning models, and the development of new data science applications. As a result, the project will allow researchers to make scientific and engineering advances that are currently unavailable due to the University's limited computational capability.

Furthermore, this project:

- Enhances efforts to recruit and retain outstanding and diverse research faculty and staff engaged in fields requiring advanced computing resources commensurate with leader-level R1 research institutions
- Helps attract and retain STEM students by engaging them in state-of-the-art computational research at a scale available only at leader-level research institutions
- Enhances the University's ability to engage in federal grants and contracts involving International Traffic Arms Regulation (ITAR) and Controlled Unclassified Information (CUI) security compliance requirements and other controlled research data and processes
- Will lead to peer-reviewed publications in a wide range of areas including those of interest to the Alabama public such as water management, mobility, and power technologies for electrical vehicles

This project affirms the University's commitment to increasing productivity and innovation in research, scholarship, and creative activities. The UA Center for High Performance Computing project aligns with existing university investments in facilities and programming for mobility and power technology, hydrology and water security, and computational sciences and engineering. Current investments include the establishment of UA's Research Institutes including Water, Transportation, Cybersecurity, and Life Sciences as well as existing capital projects such as the Smart Community and Innovation Building, the US Geological Survey Hydrologic Instrumentation Facility project, the Renovations for Materials Characterization Service and Support of Academic Programs, and the Gordon Palmer Data Center Renovation project.

Furthermore, this project

- Increases the geographic, educational, and societal reach of HPC research infrastructure within the state of Alabama by providing HPC educational and computational resources to researchers at other higher education institutions without significant HPC assets
- Broadens the diversity of participants using HPC in Alabama by providing opportunities for collaborations among researchers and students within and outside of the institution
- Advances the University's ability to provide a premier undergraduate and graduate education by offering students a global perspective characterized by outstanding teaching supported by the advanced research computing concepts and skills of their field

TABULATION OF BIDS

Project Name
High Performance Computing Center and Data Center - Site and Utilities Package

Architect/Engineer
Davis Architects, Inc.
120 Twenty Third Street South
Birmingham, AL 35233
phone: (205)322-7482
fax: (205)322-7485

Bid Due
July 18, 2024 3:00 p.m. local time

Architect/Engineer
Davis Architects, Inc.
120 Twenty Third Street South
Birmingham, AL 35233
phone: (205)322-7482
fax: (205)322-7485

UA Project No.
008-23-3287B

Architect/Engineer
Davis Architects, Inc.
120 Twenty Third Street South
Birmingham, AL 35233
phone: (205)322-7482
fax: (205)322-7485

FUNDS AVAILABLE: three million dollars and 00/100 (\$3,000,000.00)
BIDS SHALL BE VALID FOR: Sixty (60) Consecutive Calendar Days
CONSTRUCTION DURATION: Completion date of December 8, 2024

CONTRACTOR				Civicon, LLC		Price Construction Company, Inc.		Lavender, Inc.		Cornerstone Civil Contractors, LLC		John Platt Company, Inc.			
				1050 Lurleen Wallace Blvd S Tuscaloosa, AL 35401 GC License # 59175		P.O. Box 78 Peterson, AL 35478 GC License # 15839		1056 Industrial Drive Aliceville, AL 35478 GC License # 19861		5722 21st Street Tuscaloosa, AL 35401 GC License # 39115		P.O. Box 20183 Tuscaloosa, AL 35402 GC License # 9266			
				<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No			
				<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No		<u>X</u> Yes <u> </u> No			
BONDING COMPANY OR BID DEPOSIT				Atlantic Specialty Insurance Co.		The Cincinnati Insurance Company		Philadelphia Identity Insurance Company		Granite Re, Inc.		Western Surety Company			
Item No.	Estimated Quantity	Unit	Description	Unit Price		Total		Unit Price		Total		Unit Price		Total	
Base Bid															
1	1	L.S.	Mobilization & Demobilization	\$	77,686.00	\$	77,686.00	\$	50,000.00	\$	50,000.00	\$	42,552.80	\$	42,552.80
2	1	L.S.	ADEM Permitting, Monitoring, and Reporting	\$	14,885.00	\$	14,885.00	\$	16,374.00	\$	16,374.00	\$	15,797.43	\$	15,797.43
3	1	L.S.	Construction Layout	\$	22,500.00	\$	22,500.00	\$	24,750.00	\$	24,750.00	\$	24,160.00	\$	24,160.00
4	1	L.S.	GPS of Utilities and As-Built Drawings	\$	9,500.00	\$	9,500.00	\$	10,450.00	\$	10,450.00	\$	12,111.36	\$	12,111.36
5	1	L.S.	As-Built Topographical Survey (Post Construction)	\$	4,500.00	\$	4,500.00	\$	4,950.00	\$	4,950.00	\$	4,739.23	\$	4,739.23
6	1	L.S.	U/A Bronze Utility Marker and Storm Inlet Marker Installation	\$	2,000.00	\$	2,000.00	\$	2,500.00	\$	2,500.00	\$	4,089.07	\$	4,089.07
7	1	L.S.	Adjustment of All Existing Manhole, Vault, Etc. Covers to Finish Grade	\$	5,150.25	\$	5,150.25	\$	5,000.00	\$	5,000.00	\$	16,664.34	\$	16,664.34
8	1	L.S.	Traffic / Pedestrian Control and Signage	\$	2,500.00	\$	2,500.00	\$	2,500.00	\$	2,500.00	\$	1,053.16	\$	1,053.16
9	600	L.F.	Traffic Control - Jersey Barriers (Yo-Docks) with Fence Panels (no windscreen)	\$	20.15	\$	12,090.00	\$	65.00	\$	39,000.00	\$	62.81	\$	37,686.00
10	650	L.F.	Traffic Control - Jersey Barriers (Yo-Docks) with Fence Panels (with windscreen)	\$	30.15	\$	19,597.50	\$	100.00	\$	65,000.00	\$	95.58	\$	62,127.00
11	1,400	L.F.	Post-Driven Site Constraint Fencing	\$	27.10	\$	37,940.00	\$	29.81	\$	41,734.00	\$	28.54	\$	39,956.00
12	2	each	Construction Exit Pad with Wash Rack	\$	4,500.00	\$	9,000.00	\$	8,445.00	\$	16,890.00	\$	5,507.53	\$	11,015.06
13	24,000	S.Y.P.	Erosion Control - Temporary Grassing / Mulching (hydraulic application)	\$	0.54	\$	12,960.00	\$	0.70	\$	16,800.00	\$	0.77	\$	18,480.00
14	24,000	S.Y.P.	Erosion Control - Temporary Mulching (hydraulic application)	\$	0.54	\$	12,960.00	\$	0.50	\$	12,000.00	\$	0.77	\$	18,480.00
15	3500	L.F.	Erosion Control - Type "A" Silt Fence	\$	3.50	\$	12,250.00	\$	3.50	\$	12,250.00	\$	5.65	\$	19,775.00
16	600	L.F.	Erosion Control - Wattles	\$	6.85	\$	4,110.00	\$	5.00	\$	3,000.00	\$	1.86	\$	1,116.00
17	1,200	S.Y.P.	Erosion Control - Filter Fabric at Detention Pond	\$	3.10	\$	3,720.00	\$	4.00	\$	4,800.00	\$	2.31	\$	2,772.00
18	50	tons	Erosion Control - Rip-Rap Class II	\$	55.00	\$	2,750.00	\$	53.00	\$	2,650.00	\$	61.73	\$	3,086.50
19	5	each	Erosion Control - Rock Filter Dam	\$	1,250.00	\$	6,250.00	\$	1,750.00	\$	8,750.00	\$	1,127.22	\$	5,636.10
20	35	each	Erosion Control - Inlet Protection	\$	450.00	\$	15,750.00	\$	500.00	\$	17,500.00	\$	437.98	\$	15,329.30
21	1500	each	Erosion Control - Hay Bales	\$	6.25	\$	9,375.00	\$	7.50	\$	11,250.00	\$	7.62	\$	11,430.00
22	500	each	Erosion Control - Sand Bags (Dual Bagged) (As Directed By UA)	\$	5.15	\$	2,575.00	\$	7.50	\$	3,750.00	\$	2.33	\$	1,165.00
23	8	each	Erosion Control - Sediment Trap	\$	495.00	\$	3,960.00	\$	500.00	\$	4,000.00	\$	426.79	\$	3,414.32
24	1	L.S.	Earthwork	\$	174,850.00	\$	174,850.00	\$	300,000.00	\$	300,000.00	\$	215,559.60	\$	215,559.60
25	7,000	c.y.p.	Unsuitable Material Excavation, Off-Site Disposal, Replacement	\$	20.71	\$	144,970.00	\$	20.00	\$	140,000.00	\$	17.38	\$	121,600.00
26	9,500	S.Y.P.	Saw-Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces	\$	6.46	\$	61,370.00	\$	2.50	\$	23,750.00	\$	7.52	\$	71,440.00
27	1	L.S.	Demolition (Miscellaneous Site Items)	\$	97,849.00	\$	97,849.00	\$	69,325.00	\$	69,325.00	\$	65,214.74	\$	65,214.74

28	100	s.v.i.p.	Concrete Sidewalk		\$	50.00	\$	83.60	\$	8,360.00	\$	80.72	\$	8,072.00	\$	83.76	\$	8,376.00	\$	85.12	\$	8,512.00		
29	425	s.v.i.p.	Concrete Sidewalk with Integral Curb		\$	81.25	\$	34,531.25	\$	93.50	\$	39,737.50	\$	90.28	\$	38,369.00	\$	92.35	\$	39,248.75	\$	95.20	\$	40,460.00
30	375	s.v.i.p.	Concrete Pavement		\$	102.03	\$	38,261.25	\$	93.50	\$	35,062.50	\$	90.28	\$	33,855.00	\$	92.35	\$	34,631.25	\$	95.20	\$	35,700.00
31	300	l.f.	6" Curb		\$	26.54	\$	7,962.00	\$	28.60	\$	8,580.00	\$	27.62	\$	8,286.00	\$	30.00	\$	9,000.00	\$	29.12	\$	8,736.00
32	350	l.f.	24" Curb & Gutter		\$	26.54	\$	9,289.00	\$	28.60	\$	10,010.00	\$	27.62	\$	9,667.00	\$	30.00	\$	10,500.00	\$	29.12	\$	10,192.00
33	1,900	s.v.i.p.	Crushed Aggregate Limestone Base Course, ALDOT No. 5 Stone, Rolled in place (Future Substation Area) (3" Compacted Thickness)		\$	9.47	\$	17,993.00	\$	7.15	\$	13,585.00	\$	7.56	\$	14,364.00	\$	6.72	\$	12,768.00	\$	8.51	\$	16,169.00
34	900	s.v.i.p.	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Sidewalk and Concrete Pavement Areas) (4" Compacted Thickness)		\$	10.79	\$	9,711.00	\$	8.89	\$	8,001.00	\$	27.66	\$	24,894.00	\$	13.73	\$	12,357.00	\$	21.92	\$	19,728.00
35	1,600	s.v.i.p.	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Medium Duty Asphalt Pavement Areas) (6" Compacted Thickness) (Includes Crushed Stone Beneath Curb)		\$	13.14	\$	21,024.00	\$	13.75	\$	22,000.00	\$	13.96	\$	22,336.00	\$	14.11	\$	22,576.00	\$	14.72	\$	23,552.00
36	1,200	s.v.i.p.	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Heavy Duty Asphalt Pavement Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers) (Includes Crushed Stone Beneath Curb)		\$	26.25	\$	31,500.00	\$	28.33	\$	33,996.00	\$	27.88	\$	33,456.00	\$	28.19	\$	33,828.00	\$	29.40	\$	35,280.00
37	450	s.v.i.p.	Superpave Bituminous Concrete Binder Layer, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E (440 lbs/sy) (Includes Tack Coat)		\$	25.16	\$	11,322.00	\$	27.68	\$	12,456.00	\$	26.72	\$	12,024.00	\$	27.02	\$	12,159.00	\$	28.18	\$	12,681.00
38	2,600	s.v.i.p.	Superpave Bituminous Concrete Binder Layer, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E (605 lbs/sy) (Includes Tack Coat)		\$	34.16	\$	88,816.00	\$	37.58	\$	97,708.00	\$	36.28	\$	94,328.00	\$	36.68	\$	95,368.00	\$	38.26	\$	99,476.00
39	25	s.v.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E (1045 lbs/sy) (Includes tack coat) (Johnny Stallings Drive)		\$	99.60	\$	2,490.00	\$	109.56	\$	2,739.00	\$	105.79	\$	2,644.75	\$	106.95	\$	2,673.75	\$	111.55	\$	2,788.75
40	150	s.v.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E (605 lbs/sy) (Includes tack coat) (Nursing School Parking Lot)		\$	57.54	\$	8,631.00	\$	63.30	\$	9,495.00	\$	61.12	\$	9,168.00	\$	61.79	\$	9,268.50	\$	64.44	\$	9,666.00
41	850	s.v.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum Aggregate Size Mix, ESAL Range C/D (165 lbs/sy) (Includes Tack Coat)		\$	15.20	\$	12,920.00	\$	16.72	\$	14,212.00	\$	16.14	\$	13,719.00	\$	16.32	\$	13,872.00	\$	17.02	\$	14,467.00
42	350	s.v.i.p.	Milling of Existing Asphalt		\$	10.00	\$	3,500.00	\$	11.00	\$	3,850.00	\$	10.62	\$	3,717.00	\$	10.74	\$	3,759.00	\$	11.20	\$	3,920.00
43	1	l.s.	Traffic Striping (Temporary & Permanent)		\$	1,900.00	\$	1,900.00	\$	2,059.00	\$	2,059.00	\$	2,001.01	\$	2,001.01	\$	2,010.00	\$	2,096.64	\$	2,096.64	\$	2,096.64
44	3	each	Permanent Traffic Signage, Posts, Bollards, Base, and Other Necessary Appurtenances; Includes Relocation of Existing		\$	1,450.00	\$	4,350.00	\$	1,500.00	\$	4,500.00	\$	656.98	\$	1,970.94	\$	1,557.00	\$	4,671.00	\$	1,624.00	\$	4,872.00
45	2	each	Relocation of Existing Permanent Traffic Signage (Installed in Bollard)		\$	1,900.00	\$	3,800.00	\$	1,500.00	\$	3,000.00	\$	1,094.96	\$	2,189.92	\$	2,040.00	\$	4,080.00	\$	2,128.00	\$	4,256.00
46	8	l.f.	8" Diameter SDR 26 PVC Storm Drain		\$	69.85	\$	558.80	\$	110.00	\$	880.00	\$	212.78	\$	1,702.24	\$	78.95	\$	631.60	\$	151.97	\$	1,215.76
47	30	l.f.	15" Diameter SDR 26 PVC Storm Drain		\$	95.35	\$	2,860.50	\$	112.00	\$	3,360.00	\$	107.14	\$	3,214.20	\$	114.79	\$	3,443.70	\$	161.72	\$	4,851.60
48	242	l.f.	15" Diameter RCP CL III Storm Drain		\$	74.45	\$	18,016.90	\$	90.00	\$	21,780.00	\$	132.33	\$	32,023.86	\$	94.11	\$	22,774.62	\$	114.84	\$	27,791.28
49	183	l.f.	15" Diameter Storm Drain		\$	74.45	\$	13,624.35	\$	90.00	\$	16,470.00	\$	129.43	\$	23,685.69	\$	90.78	\$	16,612.74	\$	114.00	\$	20,862.00
50	581	l.f.	18" Diameter Storm Drain		\$	80.01	\$	46,485.81	\$	93.00	\$	54,033.00	\$	94.06	\$	54,648.86	\$	85.96	\$	49,942.76	\$	116.35	\$	67,599.35
51	54	l.f.	24" Diameter RCP CL III Storm Drain		\$	96.76	\$	5,225.04	\$	90.00	\$	4,860.00	\$	165.91	\$	8,959.14	\$	118.64	\$	6,406.56	\$	144.19	\$	7,786.26
52	364	l.f.	24" Diameter Storm Drain		\$	96.76	\$	35,220.64	\$	108.00	\$	39,312.00	\$	134.37	\$	48,910.68	\$	122.60	\$	44,626.40	\$	136.48	\$	49,678.72
53	400	l.f.	30" Diameter Storm Drain		\$	215.95	\$	86,380.00	\$	195.00	\$	78,000.00	\$	188.70	\$	75,480.00	\$	187.88	\$	75,152.00	\$	230.29	\$	92,116.00
54	1,854	l.f.	Post Construction CCTV of Storm Sewer		\$	4.50	\$	8,343.00	\$	4.95	\$	9,177.30	\$	4.74	\$	8,787.96	\$	4.83	\$	8,954.82	\$	4.48	\$	8,305.92
55	1	each	Storm Drainage Structure, Convert Existing Junction Box to Grate Inlet (Grate/Frame Installed)		\$	1,450.00	\$	1,450.00	\$	2,500.00	\$	2,500.00	\$	3,097.62	\$	3,097.62	\$	3,713.00	\$	3,713.00	\$	2,926.92	\$	2,926.92
56	3	each	Storm Drainage Structure, Grate Inlet (Grate/Frame Installed)		\$	3,685.00	\$	11,055.00	\$	3,000.00	\$	9,000.00	\$	4,167.88	\$	12,503.64	\$	3,531.00	\$	10,593.00	\$	4,619.32	\$	13,857.96
57	5	each	Storm Drainage Structures, Grate Inlet (No Grate/Frame; Grate/Frame Installed as part of building package)		\$	3,250.00	\$	16,250.00	\$	2,556.00	\$	12,780.00	\$	3,357.89	\$	16,789.45	\$	2,935.00	\$	14,675.00	\$	3,308.69	\$	16,543.45
58	10	each	Storm Drainage Structure, Curb Catch Basin (Triple Grate)(Grate/Frame Installed)		\$	9,100.73	\$	91,007.30	\$	8,646.00	\$	86,460.00	\$	9,794.08	\$	97,940.80	\$	10,645.00	\$	106,450.00	\$	12,064.35	\$	120,643.50
59	2	each	Storm Drainage Structures, Curb Catch Basin (Triple Grate) (No Grate/Frame; Grate/Frame Installed as part of building package)		\$	4,600.73	\$	9,201.46	\$	2,937.00	\$	5,874.00	\$	8,781.45	\$	17,562.90	\$	4,711.00	\$	9,422.00	\$	4,089.37	\$	8,178.74
60	1	each	Storm Drainage Structure, Convert Existing S-Inlet to Junction Box		\$	1,840.00	\$	1,840.00	\$	3,000.00	\$	3,000.00	\$	6,368.01	\$	6,368.01	\$	3,580.00	\$	3,580.00	\$	2,235.37	\$	2,235.37
61	7	each	Storm Drainage Structure, Junction Box		\$	2,605.72	\$	18,240.04	\$	4,004.00	\$	28,028.00	\$	5,241.05	\$	36,687.35	\$	4,266.00	\$	29,862.00	\$	5,289.05	\$	37,023.35
62	2	each	Storm Drainage Structure, Concrete Headwalls		\$	2,865.00	\$	4,730.00	\$	2,325.00	\$	4,650.00	\$	3,166.26	\$	6,332.52	\$	1,764.00	\$	3,528.00	\$	2,096.48	\$	4,192.96
63	1	each	Storm Drainage Structure, Pond Outlet Control Structure		\$	4,347.50	\$	4,347.50	\$	5,000.00	\$	5,000.00	\$	6,670.85	\$	6,670.85	\$	4,424.00	\$	4,424.00	\$	7,094.36	\$	7,094.36
64	2	each	Connect to Existing Storm Inlet		\$	1,580.25	\$	3,160.50	\$	1,500.00	\$	3,000.00	\$	1,411.94	\$	2,823.88	\$	1,369.00	\$	2,738.00	\$	2,194.77	\$	4,389.54
65	2	each	Connect to Existing Storm Pipe		\$	1,580.25	\$	3,160.50	\$	1,500.00	\$	3,000.00	\$	2,687.00	\$	5,374.00	\$	1,000.00	\$	2,000.00	\$	2,194.77	\$	4,389.54
66	25	l.f.	6" Diameter SDR 26 PVC Sanitary Sewer Main		\$	101.40	\$	2,535.00	\$	69.00	\$	1,725.00	\$	120.14	\$	3,003.50	\$	66.08	\$	1,652.00	\$	143.39	\$	3,584.75
67	321	l.f.	8" Diameter SDR 26 PVC Sanitary Sewer Main		\$	63.93	\$	20,321.53	\$	71.00	\$	22,791.00	\$	80.38	\$	25,801.98	\$	73.10	\$	23,465.10	\$	139.37	\$	44,737.77
68	346	l.f.	Post Construction CCTV of Sanitary Sewer		\$	4.50	\$	1,557.00	\$	4.95	\$	1,712.70	\$	4.74	\$	1,640.04	\$	4.83	\$	1,671.18	\$	4.48	\$	1,550.08
69	1	each	8" Solvent Weld Cap		\$	415.46	\$	415.46	\$	50.00	\$	50.00	\$	220.88	\$	220.88	\$	70.00	\$	70.00	\$	37.27	\$	37.27
70	1	each	6" Solvent Weld Cap		\$	389.43	\$	389.43	\$	25.00	\$	25.00	\$	220.88	\$	220.88	\$	40.00	\$	40.00	\$	11.37	\$	11.37

71	4	each	Precast Sanitary Sewer Manhole	\$	2,987.00	\$	11,948.00	\$	3,100.00	\$	12,400.00	\$	4,228.51	\$	16,914.04	\$	3,173.00	\$	12,692.00	\$	5,085.63	\$	20,342.52
72	1	each	Connect to Existing Sewer Manhole / Sewer main	\$	2,205.00	\$	2,205.00	\$	1,500.00	\$	1,500.00	\$	2,213.09	\$	2,213.09	\$	1,283.00	\$	1,283.00	\$	852.12	\$	852.12
73	260	l.f.	3" UA Gas Main Relocation	\$	35.55	\$	9,243.00	\$	125.00	\$	32,500.00	\$	83.90	\$	21,814.00	\$	37.33	\$	9,705.80	\$	59.60	\$	15,496.00
74	4	each	Gas Main Connection	\$	3,714.56	\$	14,858.24	\$	2,500.00	\$	10,000.00	\$	5,265.81	\$	21,063.24	\$	772.30	\$	3,089.20	\$	3,136.00	\$	12,544.00
75	270	l.f.	12" Ductile Iron Class 350 Watermain	\$	68.32	\$	18,446.40	\$	78.00	\$	21,060.00	\$	111.50	\$	30,105.00	\$	77.67	\$	20,970.90	\$	100.66	\$	27,178.20
76	380	l.f.	8" Ductile Iron Class 350 Watermain	\$	54.10	\$	20,558.00	\$	73.00	\$	27,740.00	\$	116.87	\$	44,410.60	\$	80.41	\$	30,555.80	\$	94.28	\$	35,826.40
77	440	l.f.	6" Ductile Iron Class 350 Watermain	\$	38.65	\$	17,006.00	\$	65.00	\$	28,600.00	\$	96.51	\$	42,464.40	\$	66.27	\$	29,158.80	\$	88.55	\$	38,962.00
78	205	l.f.	3" PVC Class 200 Watermain	\$	13.94	\$	2,857.70	\$	32.00	\$	6,560.00	\$	43.18	\$	8,851.90	\$	23.92	\$	4,903.60	\$	46.40	\$	9,312.00
79	1	each	12" Tapping Sleeve and Valve with Valve Box	\$	10,143.92	\$	10,143.92	\$	14,541.00	\$	14,541.00	\$	11,255.15	\$	11,255.15	\$	12,997.00	\$	12,997.00	\$	11,860.81	\$	11,860.81
80	1	each	12" Valve with Valve Box	\$	4,784.11	\$	4,784.11	\$	4,645.00	\$	4,645.00	\$	5,568.18	\$	5,568.18	\$	4,200.00	\$	4,200.00	\$	4,400.43	\$	4,400.43
81	2	each	8" Valve with Valve Box	\$	2,867.70	\$	5,735.40	\$	2,442.00	\$	4,884.00	\$	1,936.09	\$	3,872.18	\$	2,333.00	\$	4,666.00	\$	2,322.23	\$	4,644.46
82	1	each	8" Valve Box (Installed On Existing Buried Valve)	\$	1,257.50	\$	1,257.50	\$	420.00	\$	420.00	\$	410.17	\$	4,103.17	\$	243.00	\$	243.00	\$	290.17	\$	290.17
83	3	each	6" Valve with Valve Box	\$	1,926.62	\$	5,779.86	\$	1,811.00	\$	5,433.00	\$	3,427.04	\$	10,281.12	\$	1,652.00	\$	4,956.00	\$	1,484.47	\$	4,453.41
84	1	each	3" Valve with Valve Box	\$	1,268.20	\$	1,268.20	\$	1,479.00	\$	1,479.00	\$	2,914.09	\$	2,914.09	\$	1,175.00	\$	1,175.00	\$	1,150.61	\$	1,150.61
85	2,300	lbs.	Watermain Fittings (Compact)	\$	13.48	\$	31,004.00	\$	11.00	\$	25,300.00	\$	8.98	\$	20,654.00	\$	17.08	\$	30,284.00	\$	6.00	\$	13,800.00
86	4	each	Cap & End Line Restraint (All Sizes)	\$	1,727.00	\$	6,908.00	\$	783.00	\$	3,132.00	\$	2,497.78	\$	9,991.12	\$	677.00	\$	2,708.00	\$	1,104.66	\$	4,418.64
87	2	each	New Fire Hydrant Assembly	\$	5,371.26	\$	10,742.52	\$	5,791.00	\$	11,582.00	\$	6,474.97	\$	12,949.94	\$	5,800.00	\$	11,600.00	\$	7,549.67	\$	15,099.34
88	1	each	UA Siamese Post Fire Dept. Connection	\$	4,027.50	\$	4,027.50	\$	4,717.00	\$	4,717.00	\$	4,531.76	\$	4,531.76	\$	5,292.00	\$	5,292.00	\$	7,143.51	\$	7,143.51
89	2	each	Main Connection	\$	1,050.00	\$	2,100.00	\$	1,500.00	\$	3,000.00	\$	2,044.54	\$	4,089.08	\$	595.00	\$	1,190.00	\$	1,730.17	\$	3,460.34
90	1,295	l.f.	Watermain Disinfecting and Testing	\$	5.25	\$	6,798.75	\$	2.00	\$	2,590.00	\$	5.27	\$	6,824.65	\$	3.30	\$	4,273.50	\$	2.07	\$	2,680.65
91	1	each	2" City of Tuscaloosa Irrigation Service Meter Assembly- Purchase	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00	\$	3,250.00
92	1	each	2" City of Tuscaloosa Irrigation Service Meter Assembly- Installation	\$	1,102.50	\$	1,102.50	\$	1,500.00	\$	1,500.00	\$	442.70	\$	442.70	\$	1,415.00	\$	1,415.00	\$	1,153.45	\$	1,153.45
93	1	each	2" City of Tuscaloosa Domestic Service Meter Assembly- Purchase	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00	\$	5,125.00
94	1	each	2" City of Tuscaloosa Domestic Service Meter Assembly - Installation	\$	1,102.50	\$	1,102.50	\$	1,500.00	\$	1,500.00	\$	500.66	\$	500.66	\$	2,080.00	\$	2,080.00	\$	1,153.45	\$	1,153.45
95	1	each	3" City of Tuscaloosa Domestic Service Meter Assembly - Purchase	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25	\$	13,754.25
96	1	each	3" City of Tuscaloosa Domestic Service Meter Assembly - Installation	\$	1,102.50	\$	1,102.50	\$	2,000.00	\$	2,000.00	\$	885.40	\$	885.40	\$	2,764.00	\$	2,764.00	\$	7,079.81	\$	7,079.81
97	1	each	6" City of Tuscaloosa Fire Line Detector Check - Purchase	\$	358.20	\$	358.20	\$	358.20	\$	358.20	\$	358.20	\$	358.20	\$	358.20	\$	358.20	\$	358.20	\$	358.20
98	1	each	6" City of Tuscaloosa Fire Line Detector Check - Installation	\$	16,325.00	\$	16,325.00	\$	17,500.00	\$	17,500.00	\$	4,426.18	\$	4,426.18	\$	20,105.00	\$	20,105.00	\$	19,117.77	\$	19,117.77
99	250	l.f.	Irrigation Sleeves (Dual Run of 4" and 6" PVC)	\$	34.09	\$	8,522.50	\$	39.00	\$	9,750.00	\$	23.40	\$	5,850.00	\$	37.98	\$	9,495.00	\$	44.62	\$	11,155.00
100	350	s.v.i.p.	Solid Sod Replacement (Along Johnny Stallings Drive)	\$	9.50	\$	3,325.00	\$	11.00	\$	3,850.00	\$	10.53	\$	3,685.50	\$	14.23	\$	4,980.50	\$	10.64	\$	3,724.00
101	1	l.s.	Irrigation Replacement (Along Johnny Stallings Drive)	\$	8,500.00	\$	8,500.00	\$	6,600.00	\$	6,600.00	\$	5,265.81	\$	5,265.81	\$	8,590.00	\$	8,590.00	\$	9,520.00	\$	9,520.00
102	1	l.s.	Site Lighting, Electrical, and Telecommunication Improvements and Modifications (As identified by the Electrical Plans)	\$	145,787.00	\$	145,787.00	\$	126,500.00	\$	126,500.00	\$	146,205.34	\$	146,205.34	\$	123,489.00	\$	123,489.00	\$	155,624.00	\$	155,624.00
103	1	l.s.	Structural/Architectural Scope	\$	20,500.00	\$	20,500.00	\$	23,375.00	\$	23,375.00	\$	30,137.09	\$	30,137.09	\$	21,480.00	\$	21,480.00	\$	23,800.00	\$	23,800.00
TOTAL BASE BID				\$	1,919,050.56	\$	2,092,937.45	\$	2,186,315.54	\$	2,299,589.78	\$	*	2,414,671.61									

* Indicates envelope adjustment

I CERTIFY THAT THE ABOVE BIDS WERE RECEIVED SEALED AND WERE PUBLICLY OPENED AND READ ALOUD AT THE TIME AND PLACE INDICATED AND THAT THIS IS A TRUE AND CORRECT TABULATION OF ALL BIDS RECEIVED FOR THIS PROJECT. I RECOMMEND AWARD OF THE CONTRACT FOR CONSTRUCTION TO THE LOWEST RESPONSIBLE AND RESPONSIVE BIDDER AS SHOWN ABOVE, AS DETERMINED BY THE AVAILABLE FUNDS AND SUBJECT TO THE INSTRUCTIONS TO BIDDERS AND ANY APPLICABLE LAW.

Sworn and subscribed before me this 22 day of July, 2024.
Rachel Isbell
Notary Public
My Commission Expires



Skylar Howard
Skylar Howard, RA
Davis Architects, Inc.

HIGH PERFORMANCE COMPUTING AND DATA CENTER

Approved April 12, 2024



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LOCATION MAP

