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

### BOARD SUBMITTAL CHECKLIST NO. 4 CAPITAL PROJECT - STAGE IV SUBMITTAL (Construction Contract Award)

CAMPUS: The University of Alabama, Tuscaloosa, Alabama

PROJECT NAME: Colonial Dr and University Blvd Infrastructure & Enhancements

MEETING DATE: April 11-12, 2024

<b>/</b>	1.	Board Submittal Checklist No. 4
<b>/</b>	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
<b>/</b>	3.	Proposed Board Resolution requesting approval of Construction Contract Award, Construction Budget and Project Budget by the Board of Trustees
<b>V</b>	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
<b>/</b>	5.	Tabulation of competitive bids - certified by Project Architect/Construction Manager
<b>V</b>	6.	Recommendations for Contract Award by Architect/Construction Manager
<b>V</b>	7.	Campus Map(s) showing project site
	8.	Final Business Plan (if applicable) /3

Prepared by: Jeremy Wood

Approved by:

<sup>/1</sup> Reference Tab 3I - Board Rule 415 Instructional Guide

<sup>&</sup>lt;sup>/2</sup> Reference Tab 3E - Board Rule 415 Instructional Guide

<sup>&</sup>lt;sup>/3</sup> Reference Tab 3V - Board Rule 415 Instructional Guide



March 4, 2024

Chancellor Finis E. St. John IV The University of Alabama System 500 University Boulevard East Tuscaloosa, Alabama 35401

Dear Chancellor St. John:

I am pleased to send to you for approval under Board Rule 415 the attached documents for a Stage IV submittal for the Colonial Drive and University Boulevard Infrastructure and Enhancements project.

The resolution requests authorization to award the construction contract for Construction Package A – Colonial Drive and University Boulevard 2024 and approval of the revised and reallocated project budget.

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 at their regular meeting on April 11-12, 2024.

Sincerely,

Stuart R. Bell President

Enclosure



#### THE UNIVERSITY OF ALABAMA

Approving the revised project budget; granting authorization to execute a Construction Contract for the Colonial Drive and University Boulevard Infrastructure and Enhancements

#### 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 Colonial Drive and University Boulevard Infrastructure and Enhancements project ("Project") to be located along Colonial Drive between Carmichael Hall and Judy Bonner Drive, including the intersection of University Boulevard; and

WHEREAS, the Project is a continuation and extension of the Colonial Drive Enhancements project previously completed south of Judy Bonner Drive and will cohesively complete the area following the completion of Sigma Kappa Sorority and Drummond Lyon Hall; and

WHEREAS, the Project will address necessary upgrades and distribution of utilities and infrastructure as well as add lighting, improved connectivity, and landscaping along the heavily traveled corridor in coordination with future projects to holistically address sanitary and stormwater system deficiencies; and

WHEREAS, existing infrastructure is aged and under capacity, causing flooding of the roadway, sidewalks, and facilities to occur during significant rain events; and

WHEREAS, the Project will improve the storm drainage system to facilitate the removal of stormwater in the intersection of University Boulevard and Colonial Drive and in the immediate surrounding areas during high rainfall events to mitigate the impacts to pedestrians, traffic flow, and facilities and will allow for future extension and connectivity of the system; and

WHEREAS, the installation of additional lighting and sidewalk improvements will support enhanced safety and security and will improve vehicular and pedestrian flow and connectivity as well as add ADA ramps and accessories; and

WHEREAS, the Project includes the isolated re-construction of the University Boulevard roadway involving the removal of existing concrete and asphalt paving and provides a finished roadway that includes two vehicular travel lanes, bike lanes, and a center turn lane; and

WHEREAS, as part of the University of Alabama's ("University") master plan for thermal energy distribution, the University has previously completed the Tutwiler Energy Plant, East Quad Energy Plant, the interconnection of the system with Shelby Energy Plant and numerous building connections and the Campus Energy Delivery Optimization Project; and

WHEREAS, this Project will allow for Reese Phifer Hall to be served by the Campus Energy Delivery System, to replace systems that have reached the end of their functional service life, and to provide heating capacity to the building prior to the retirement of the steam distribution system, and elimination of the existing local equipment will allow for service areas and space to be reallocated to other purposes within the building; and

WHEREAS, to mitigate the effects of continued supply chain challenges associated with long lead equipment, the Project includes an Owner Furnished Contractor Installed ("OFCI") Equipment package to procure items such as Thermal Piping and Valves; and

WHEREAS, on November 3<sup>rd</sup>, 2023, in accordance with Board Rule 415, the Board approved the top ranked engineering firm and authorized officials of The University of Alabama ("University") to proceed with negotiations with Duncan Coker Associates, PC ("Duncan Coker") of Tuscaloosa, Alabama; and

WHEREAS, upon completion of negotiations with Duncan Coker, Tuscaloosa, Alabama, the University established a final design fee of 6.0% of the cost of construction Packages A and B, plus Owner Furnished Contractor Installed Equipment, plus \$22,500 in additional services and reimbursable expenses, less a reduction of Base Fee by 0.5 percentage point in the amount of \$59,242 representing a savings to the University of approximately 8.5% of the standard fee; and

WHEREAS, the Project was previously approved to be executed as a single construction package, however, in coordination with ongoing work across campus and to strategically minimize the impact of construction and create the least disruption to students, faculty, staff, and visitors to the University during the Summer of 2024, the scope of work would be best executed by balancing across Summer 2024 and Summer 2025, which would also further minimize impacts to the ongoing McLure Library Addition and Renovation Project; and

WHEREAS, the University desires to phase the project into Construction Package A – Colonial Drive and University Boulevard 2024 ("Package A"); and Construction Package B – University Boulevard 2025 ("Package B"); and is requesting approval to add Construction Package B to the project; and

WHEREAS, on February 27, 2024, pursuant to Title 39, Public Works provisions of the Code of Alabama, competitive bids were received for Construction Package A – Colonial Drive and University Boulevard 2024 and John Plott Company, Inc. of Tuscaloosa, Alabama ("John Plott") was declared the lowest responsible bidder with a base bid in the amount of \$5,654,386 as referenced on the certified bid tab; and

WHEREAS; the University desires to accept Alternate 1 – Extension of Street Replacement along Colonial Drive to Capstone Drive for \$187,255, Alternate 2 – Watermain along Capstone Drive for \$199,994, and Alternate 3 - Grout Fill of Abandoned Steam Tunnel for \$216,805; and

WHEREAS; the University is requesting approval to award the Construction Contract for Package A to John Plott for a total contract amount of \$6,258,440 including the base bid and Alternates 1-3; and

WHEREAS, the University is requesting approval of the Revised and Reallocated Project Budget from \$17,808,000 to \$15,000,000 to reflect the current construction packaging, bid results for Package A, and the associated adjustments to soft costs; 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 Project will be funded from University Central Reserves in the amount of \$15,000,000 and will eliminate campus deferred maintenance liabilities in the amount of \$14,246,400; and

WHEREAS, the Revised and Reallocated Budget for the project is as stipulated below:

BUDGET:	REVISED
Construction Package A – Colonial Drive and	\$
University Boulevard 2024	6,258,440
Construction Package B – University Boulevard 2025	\$ 4,800,000
Owner Furnished Contractor Installed (OFCI)	\$
Equipment	790,000
Security/Access Control	\$ 50,000
Contingency¹ (10%)	\$ 1,184,844
UA Project Management Fee <sup>2</sup> (4.5%)	\$ 586,498
Architect/Engineer Fee³ (6.1%)	\$ 674,164
Other4	\$ 222,254
Escalation <sup>5</sup> (7.5%)	\$ 433,800
TOTAL PROJECT COST	\$ 15,000,000

<sup>1</sup>Contingency is based on 10% of the cost of Construction Packages A and B, and OFCI Equipment.

<sup>2</sup>UA Project Management Fee is based on 4.5% of the cost of Construction Packages A and B, OFCI Equipment and Contingency.

<sup>3</sup>Architect/Engineer Fee is based on 6.0% of the costs of Construction Packages A and B, and OFCI Equipment, plus \$22,500 for additional services and reimbursables, and less a reduction in Base Fee by 0.5 percentage points in the amount of \$59,242.

4Other expenses include Geotech, Construction Materials Testing, Inspections, Advertising, Printing, and other associated project costs, as applicable.

5Escalation is currently based on an anticipated 1% inflation per month through September 2024, and 0.5% per month thereafter. Therefore, escalation is calculated on a 7.5% basis for Package B related construction and soft costs based on the anticipated bid date of February 2025.

#### **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 Revision and Reallocation for the Project is hereby approved as stipulated above.

BE IT FURTHER RESOLVED that Stuart R. Bell, President, Cheryl Mowdy, Interim Vice President for 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 is, authorized to act for and on behalf of the Board of Trustees to execute the aforementioned contract with John Plott Company, Inc. of Tuscaloosa, Alabama for Construction of Package A – Colonial Drive and University Boulevard 2024 in accordance with Board Rule 415 for this Project.

### EXECUTIVE SUMMARY PROPOSED CAPITAL PROJECT BOARD OF TRUSTEES SUBMITTAL

	SPACE	PERCENTAGE	GSF
⊠ Stage IV – Package A			
☐ Stage III			
☐ Campus Master Plan Amend	ment		
☐ Stage II		November 2-3, 2023	
☐ Stage I		September 1, 2023	
THIS SUBMITTAL:		PREVIOUS APPROVA	ALS:
ARCHITECT:	Duncan Coker As	ssociates, PC, Tuscaloosa, Ala	ıbama
PROJECT LOCATION:	Between Carmich Drive and Univer	ael Hall and Judy Bonner Dri sity Boulevard	ve on Colonial
PROJECT NUMBER:	TRN-23-3384		
PROJECT NAME:	Colonial Drive ar Enhancements	nd University Boulevard Infra	structure and
CAMPUS:	The University of	Alabama, Tuscaloosa, Alaba	ma
<b>MEETING DATE:</b>	April 11-12, 2024		

PROJECT TYPE  ☐ Building Construction	SPACE CATEGORIES	PERCENTAGE	GSF
☐Building Addition  ☐Campus Infrastructure  ☐Equipment	Central Utility & Mechanical, Other	100%	N/A
□Other			
	TOTAL	100%	N/A

BUDGET	Current	Revised
Construction Package A – Colonial Drive & University Boulevard Summer 2024	\$ 12,960,000	\$ 6,258,440
Construction Package B – University Boulevard Summer 2025	\$ 0	\$ 4,800,000
Owner Furnished Contractor Installed (OFCI) Equipment	\$ 790,000	\$ 790,000
Security/Access Control	\$ 0	\$ 50,000
Contingency <sup>1</sup> (10%)	\$ 1,375,000	\$ 1,184,844
UA Project Management Fee <sup>2</sup> (4.5%)	\$ 680,625	\$ 586,498
Architect/Engineer Fee <sup>3</sup> (6.1%)	\$ 811,250	\$ 674,164
Other <sup>4</sup>	\$ 183,125	\$ 222,254
Escalation <sup>5</sup> (7.5%)	\$ 1,008,000	\$ 433,800
TOTAL PROJECT COST	\$ 17,808,000	\$ 15,000,000
Total Construction Cost per square foot – N/A		

<sup>&</sup>lt;sup>1</sup>Contingency is based on 10% of the costs of Construction Packages A and B, and OFCI Equipment.

#### **Current Package for Contract Award Approval.**

<sup>&</sup>lt;sup>2</sup>UA Project Management Fee is based on 4.5% of the costs of Construction Packages A and B, OFCI Equipment, and Contingency.

<sup>&</sup>lt;sup>3</sup>Architect/Engineer Fee is based on 6.0% of the costs of Construction Packages A and B, and OFCI Equipment, plus \$22,500 for additional services and reimbursables, and less a reduction in Base Fee by 0.5 percentage points in the amount of \$59,242.

<sup>&</sup>lt;sup>4</sup>Other fees and expenses include Geotech, Construction Materials Testing, Inspections, Advertising, Printing, and other associated project costs, as applicable.

<sup>&</sup>lt;sup>5</sup>Escalation is currently based on an anticipated 1% inflation per month through September 2024, and 0.5% per month thereafter. Therefore, escalation is calculated on a 7.5% basis for Package B related construction and soft costs based on the anticipated bid date of February 2025.

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

(Utilities, Custodial, Maintenance, Insurance, Other)

\$ N/A

Total Estimated Annual O&M Costs:

\$ N/A\*

#### **FUNDING SOURCE:**

University Central Reserves \$ 15,000,000

**O&M Costs:** University Annual Operating Funds \$

#### NEW EQUIPMENT REQUIRED

Thermal Piping and Valves, Long Lead Storm Grates

\$790,000

N/A

Total Equipment Costs:

**Costs:** \$790,000

<sup>\*</sup>Connection of existing facilities to the Central Thermal System will yield operational and maintenance savings due to the enhanced energy efficiency of the system.

#### **PROJECT SCOPE:**

The Colonial Drive and University Boulevard Infrastructure and Enhancements Project ("Project") will improve the teaching, learning, and working environments of campus constituents by providing reliable and efficient thermal energy to facilities by replacing systems which have reached the end of their functional service life. By connecting the existing facilities to the central system, which features efficient and centralized equipment in the energy plants, the Project will free campus exterior space currently occupied by existing equipment for other uses including, but not limited to, parking, landscaping, and hardscape improvements. Furthermore, reducing the cost to provide cooling and heating to buildings will support The University of Alabama ("University") in maintaining a competitive cost of attendance.

This Project will include rerouting the sanitary sewer that is currently running under Reese Phifer Hall and McClure Library, new thermal piping routed to Reese Phifer Hall and connection to the Central Thermal System, storm sewer at the intersection of University Boulevard and Colonial Drive, replacement of critical water lines, and extension of UA natural gas to create system redundancy, as well as improvements to the roadways including paving, road markings, landscaping, bike paths, lighting and security.

Long lead items will be Owner Purchased Contractor Installed to mitigate the effect of continued supply chain challenges. The Project will facilitate the removal of concrete paving under University Boulevard in advance of future University Boulevard enhancement projects. The Project will also address the mitigation of flooding risk present at Doster and Reese Phifer Hall, as well as support future flood mitigation on University Boulevard and the Quad.

The Project has been separated into two (2) packages: Package A – Colonial Drive and University Boulevard 2024 ("Package A"), which includes critical infrastructure and utility improvements within Colonial Drive and 9<sup>th</sup> Avenue; and Package B – University Boulevard 2025 ("Package B"), which includes critical infrastructure and utility improvements within University Boulevard on the West side of Campus.

The Project was separated into two packages to better level and coordinate the amount of ongoing civil and infrastructure projects during the Summer and to better coordinate with the McLure Library Renovation and Addition project which requires access during the Summer of 2024 to expedite work along University so that access can be returned in time for Fall 2024 classes.

The Project is key to enhancing the pedestrian and vehicular traffic to and from the academic core of campus as a continuation of the Colonial Drive enhancements previously completed south of Judy Bonner Drive. This corridor is a key pedestrian and transportation link to the campus for both on and off campus residents and serves as a gateway for many to the University.

The Project will also address significant deferred maintenance and facility renewal liabilities for the Campus by replacing existing undersized local utility Infrastructure that serves Reese Phifer Hall and aging sanitary sewer systems with more centralized and modern equipment.

PROJECT STATUS - Construction Package	e A – Colonial Drive and U	niversity Blvd. 2024
SCHEMATIC DESIGN:	Date Initiated	September 23
	% Complete	100%
	Date Completed	October 23
PRELIMINARY DESIGN:	Date Initiated	October 2023
	% Complete	1000%
	Date Completed	December 2023
CONSTRUCTION DOCUMENTS:	Date Initiated	December 2023
	% Complete	100%
	Date Completed	February 2024
BID DATE: (Package A)		February 27, 2024

<b>PROJECT STATUS – Construction Package</b>	B – University Boulevard	1 2025
SCHEMATIC DESIGN:	Date Initiated	August 24
	% Complete	100%
	Date Completed	October 24
PRELIMINARY DESIGN:	Date Initiated	October 2024
	% Complete	100%
	Date Completed	December 2024
CONSTRUCTION DOCUMENTS:	Date Initiated	December 2024
	% Complete	30%
	Date Completed	February 2025
SCHEDULED BID DATE: (Package B)		February 2025*

<sup>\*</sup>Escalation as included within the Budget is based on the scheduled bid date and shall be adjusted as necessary should this date move.

#### RELATIONSHIP AND ENHANCEMENT OF CAMPUS PROGRAMS

This Project will improve the common areas between the buildings and improve the roadways with paving, road markings, landscaping, bike paths, sidewalks, lighting and security. These areas are highly used on game days and security improvements are recommended and will be coordinated with the overall stadium security plan.

This Project will support the core master plan principle of keeping traffic and parking to the perimeter of campus to minimize pedestrian/vehicular conflicts. This work should substantially enhance access for both pedestrians and cyclists with improved sidewalks and identified bike lanes. The Project will also reduce the cost to provide heating and cooling to campus buildings, remediate flooding risks, and address campus deferred maintenance liabilities, which will support the University in maintaining a competitive cost of attendance.

Maintaining comfortable, pleasant and continuously operating facilities is an important part of recruiting and retaining top tier students, faculty, researchers, and staff. Reducing the quantity of noisy and unsightly mechanical equipment and increasing the reliability of the overall systems helps achieve this goal.

The Project will address significant campus deferred maintenance liabilities by replacing numerous independent systems, which are nearing or have surpassed expected service life, and will aid in the decommissioning of the steam plant.

Architect/Engineer Duncan Coker Associates, P.C. 302 Merchants Walk, Suite 250 Tuscaloosa, Alabama 35406 phone: (205) 561-0808

CivilCON, LLC Bid Due February 27, 2024 1:00 p.m. local time Tuscaloosa, Alabama 35404 Bid Location 405 Cahaba Circle John Plott Company, Inc. FUNDS AVAILABLE: twelve million nine hundred sixty thousand dollars and 00/100 (\$12,960,000.00) <u>Project Name</u> Colonial Drive and University Blvd Infrastructure and Enhancements BIDS SHALL BE VALID FOR: Sixty (60) Consecutive Calendar Days CONSTRUCTION DURATION: Completion date of August 3, 2024 UA Project No. TRN-23-3384

REV Construction, Inc.

							0 1001	
	CONTRACTOR		P.O. Box 20183	20183	P.O. Box 87	K 87	5801 Grover Burchfield Dr.	hfield Dr.
			Iuscaloosa, AL 35402 GC License # 9266	# 9266	GC License # 59175	# 59175	GC License # 40131	L 35401 † 40131
	Addenda ONE through FOUR		X Yes	No	X Yes	No	X Yes	No
	LICENSE # ON ENVELOPE	_	X Yes	No	X Yes	No	X Yes	No No
	BONDING COMPANY OR BID DEPOSIT		Western Surety Company	Company	Atlantic Specialty Insurance Co.	Insurance Co.	Travelers Casualty and Surety Company of America	and Surety Imerica
Unit	Description	ח	Unit Price	Total	Unit Price	Total	Unit Price	Total
versi	Ionial Drive and University Boulevard Enhancements				-		TE I	
l.s.	Mobilization & Demobilization	69-	103,129.00 \$	103,129.00	\$ 246,315.00 \$	246,315.00	\$ 254,000.00 \$	254,000.00
l.s.	ADEM Permitting, Monitoring, and Reporting	64	18,244.34 \$	18,244.34	\$ 14,385.00 \$	14,385.00	\$ 21,000.00 \$	21,000.00
l.s.	Construction Layout	69:	27,600.00	27,600.00	\$ 24,000.00 \$	24,000.00	\$ 57,000.00 \$	57,000.00
l.s.	GPS of Utilities and As-Built Drawings	6F)÷	23,000.00 \$	23,000.00	\$ 20,000.00 \$		\$ 30,000.00 \$	30,000.00
l.s.	UA Bronze Utility Marker and Storm Inlet Marker Installation	69-	5,037.38 \$	5,037.38	\$ 2,500.00 \$	2,500.00	\$ 500.00	500.00
I.s.	Adjustment of All Existing Manhole, Vault, Etc. Covers to Finish Grade	60	2,877.68 \$	2,877.68	\$ 9,450.00 \$	9,450.00	\$ 50,000.00 \$	50,000.00
s.y.i.p.	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" for Temporary Pedestrian Pathways (Minimum 4" Compacted Thickness with Filter Fabric) - To Be Used and Installed in Locations As Directed by the Owner's Representative)	<b>6</b> 4-	\$ 96.6	7,470.00	\$ 12.05	9,037.50	\$ 35.00	26,250.00
each	Traffic / Pedestrian Control Signage (Contractor Provided and Installed)	60	\$ 977.50	9,775.00	\$ 850.00	8,500.00	\$ 1,300.00 \$	13,000.00
each	Traffic / Pedestrian Control Signage (UA Provided and Contractor Installed)	69-	172.50 \$	4,312.50	\$ 150.00 \$	3,750.00	\$ 250.00 \$	6,250.00
each	Traffic / Pedestrian Wayfinding Signage (UA Provided and Contractor Installed)	69-	230.00 \$	4,600.00	\$ 200.000 \$	4,000.00	\$ 300.00	6,000.00
each	Traffic Control, Drums	69:	32.20 \$	16,100.00	\$ 28.00 \$	14,000.00	\$ 50.00	25,000.00
each	Traffic Control, Barricades, Type 3	69:	247.25 \$	4,945.00	\$ 215.00 \$	4,300.00	325.00	6,500.00
each	Traffic Control, Portable Message Boards	S	2,175.88 \$	8,703.52	\$ 2,250.00 \$	00.000.6	3,500.00	14,000.00
l.f.	Traffic Control, Jersey Barriers (Yo-Docks) with Fence Panels (no windscreen)	69	13.80 \$	13,800.00	\$ 40.15 \$	40,150.00	\$ 85.00 \$	85,000.00
l.f.	Tree Protection (orange Snow Mesh with Metal 'I' Posts)	69-	5.37 \$	2,685.00	\$ 3.35 \$	1,675.00	\$ 10.00 \$	5,000.00
1.f.	Post-Driven Site Constraint Fencing	69	42.84 \$	55,692.00	\$ 37.25 \$	48,425.00	\$ 45.00 \$	58,500.00
each	Construction Exit Pad	60:	2,263.10 \$	18,104.80	\$ 2,175.00 \$	17,400.00	\$ 3,500.00 \$	28,000.00
y.i.p.	s.y.i.p. Erosion Control - Temporary Grassing / Mulching (hydraulic application)	69-	0.26 \$	3,900.00	\$ 0.57 \$		\$ 1.50 \$	22,500.00
s.y.i.p.	Erosion Control - Temporary Mulching Only (hydraulic application)	697	0.21 \$	2,100.00	\$ 0.57 \$	5,700.00	\$ 0.75 \$	7,500.00
s.y.i.p.	Erosion Control - Temporary Polyethylene or Geotextile Fabric	649:	1.10 \$	5,500.00	\$ 2.70 \$	13,500.00	\$ 5.00 \$	25,000.00
1.5	Erosion Control - Type "A" Silt Fence	<b>6</b> 9÷	2.85 \$	5,700.00	\$ 4.03 \$	8,060.00	\$ 2.00	10,000.00
1.f.	Erosion Control - Wattles	69	5.43 \$	5,430.00	\$ 66.9	00.066'9	\$ 00.0	6,000.00
each	Erosion Control - Inlet Protection (All Types)	69.	511.80 \$	18,424.80	\$ 436.00 \$	15,696.00	\$ 00.000 \$	32,400.00
each	Erosion Control - Sand Bags	69=	6.47 \$	12,940.00	\$ 4.69 \$	9,380.00	\$ 7.00 \$	14,000.00
l.f.	Erosion Control - Rock Filter Check Dams	69	57.82 \$	4,336.50	\$ 65.64 \$	4,923.00	\$ 52.00 \$	3,900.00
each	Hansing Control - Radionant Tran	6	E 40 02 @	1 007 96	\$ 00000	1 000 000	00001	1 000 00

76		10	Haerhanoek	1733	173 316 25 8	173 316 25	472 909 07	\$ 47	\$ 70 000 07	155 000 00 1	6	155 000 00
7 8	1 000				+	+-	412,		-	00000000	9 6	100,000,000
97	028,1	s.y.r.p.			-	-			-	73.00	9	193,300.00
29		l.s.	Demolition (Miscellaneous Site Items)	\$ 28,5	,582.82 \$	28,582.82	\$ 377,200.00	\$ 37	377,200.00 \$	25,000.00	64	25,000.00
30	3,500	s.y.i.p.	Geotextile Fabric (To Be Used Only as Directed by the Owner's Representative)	(A)	2.30 \$	8,050.00	\$ 4.23	\$ 1	14,805.00 \$	8.00	· 64÷	28,000.00
31	2,000	c.y.i.p.		64-	32.71 \$	65,420.00	\$ 19.41	38	38,820.00 \$	40.00	69:	80,000.00
32	350	s.y.i.p.	Concrete Sidewalk	69:	83.38 \$	29,183.00	\$ 71.53	\$ 2	25,035.50 \$	110.00	643	38,500.00
33	2,000	s.y.i.p.			\$ 02.68	-	\$ 81.25		-	120.00		240,000.00
34	470	s.y.i.p.		69-	85.10 \$	39,997.00	\$ 102.03	\$	47,954.10 \$	125.00	649-	58,750.00
35	1,450	l.f.		69-	27.60 \$	-	\$ 25.50		-	35.00	69-	50,750.00
36	75	1.f.	6" Curb (Brick)		103.50 \$	7,762.50	\$ 93.00	69-	\$ 00.575.00	00.06	69:	6,750.00
37	300	l.f.	12" Tall Landscape Wall (Doster Hall Area)		-	-	\$ 42.50		-	125.00	69	37,500.00
38	1	I.s.	Steps and Handrails (North Side of Doster Hall)		9,545.00 \$	9,545.00	\$ 4,752.00		4,752.00 \$	15,000.00	S	15,000.00
39	-	l.s.	Walls and Handrails (Doster Hall Service Ramp Area)		31,458.25 \$	-	\$ 15,528.00		15,528.00 \$	40,000.00	69.	40,000.00
40	2,820	s.y.i.p.	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Sidewalk and Concrete Pavernent Areas) (4" Compacted Thickness)	S.	15.93 \$	44,922.60	\$ 11.35	\$ 37	32,007.00 \$	15.00	60	42,300.00
14	4,700	s.y.i.p.		6	32.50 \$	152,750.00	\$ 28.38	\$ 133	133,386.00 \$	33.00	64:	155,100.00
42	250	ton	Superpave Bituminous Concrete Binder Layer, Leveling, ALDOT 424A, 3/8" Maximum Aggregate Size Mix, ESAL Range C/D	\$ 1	143.26 \$	35,815.00	\$ 115.00	\$ 28	28,750.00 \$	180.00	S	45,000.00
43	4,450	s.y.i.p.		S	29.76 \$	132,432.00	\$ 22.60	\$ 100	100,570.00 \$	38.00	<b>6</b> 0÷	169,100.00
4	5,350	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum Aggregate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)	(A	15.72 \$	84,102.00	\$ 10.15	√. &	54,302.50 \$	20.00	69	107,000.00
45	006	s.y.i.p.	Milling of Existing Asphalt	69-	2.09 \$	1,881.00	\$ 7.06	\$	6,354.00 \$	3.00	64	2,700.00
46	4,560	l.f.		69:	0.58 \$	2,644.80	\$ 0.50	69	2,280.00 \$	1.00	64:	4,560.00
47	1	l.s.	Temporary Traffic Markings, Matching Permanent (All Types and Color)		11,068.75 \$	11,068.75	\$ 9,625.00	\$	9,625.00 \$	14,000.00	69-	14,000.00
48	1	l.s.			2,173.50 \$	$\rightarrow$	1,8			3,000.00	<b>6</b> 4÷	3,000.00
49	10	each	Permanent Traffic Legends, Class 1, Type 'A' (Bus)			-		69	$\rightarrow$	120.00	69=	1,200.00
20	10	each	Permanent Traffic Legends, Class 1, Type 'A' (Only)		_	-		69-6		120.00	69- 6	1,200.00
51		each	Permanent Trathc Legends, Class 2, 1ype A (Only)			1 200 00 6	\$ 225.00	n 6	4 120 00 8	325.00	n u	1 280 00
25	87	each	Permanent Transc Markings, Class 1, 19pe A , Dike Symbol		220.00	_	\$ 200.00			300.00	4 6	1,000.00
54	153	L f	≥ <u>ا</u> إ	+ 69		-		+ 69	-	9.00	÷ 69	1.377.00
55	30	1.f	` I - `		-	-	2	69	-	30.00	60-	900.00
99	365	1.f.	<u>_</u> <	69-	\$ 06.9	2,518.50	\$ 6.00	64	2,190.00 \$	00.6	69-	3,285.00
57	285	l.f.	A', Crosswalk		23.00 \$	6,555.00 \$			5,700.00 \$	30.00	69-	8,550.00
58	11	each	A', Arrows		$\overline{}$	$\rightarrow$		69	$\rightarrow$	110.00	60=	1,210.00
59	-	each			_	-			$\rightarrow$	300.00	£45 €	300.00
9 5	105	i it	Permanent Traffic Markings, Class 2, 1ype A, 24. Yellow Hatch	A	10 03 \$	2,415.00 \$	20.00	A 60	2,100.00 \$	14 00	AU	3,045.00
62	2.830	3.4.1.p.			1.15 \$	-			-	1.50	» 69	4.245.00
63	280	J	Permanent Traffic Strioine, Solid White, Class 2, Type 'A'	69	3.45 \$	_			-	4.00	. Los	1,120.00
42	1.235	J	Permanent Traffic Strioing, Double Solid Yellow, Class 1, Type 'A'	69	2.30 \$	⊢			+	3.00	. 60	3,705.00
65	215	ΙŢ	Permanent Traffic Striping, Double Solid Yellow, Class 2, Type 'A'	69	\$ 06.9	+-			+	9.00	60	1,935.00
99	9	each	Permanent Traffic Signage, Posts, Base, and Other Necessary Appurtenances		1,150.00 \$	6,900.00	\$ 1,000.00		\$ 00.000,9	1,500.00	69-	9,000.00
V99		each	Removal and Relocation of Existing Traffic Signage, Posts, Base, and Other Necessary Appurtenances (Includes Repainting of Post)	3	382.67 \$	3,061.36	\$ 1,000.00	₩ ₩	\$,000.000	800.00	69	6,400.00
29	1	l.s.	Replacement and Relocation of Existing Traffic Signal Equipment at Southwest Corner of Bryant Drive and University Boulevard	\$ 37,8	37,859.73 \$	37,859.73	\$ 32,921.50	\$ 32	32,921.50 \$	50,000.00	69-	50,000.00
89	1	each	Removal and Relocation of Existing Light Pole Assembly	\$ 12,4	12,434.26 \$	12,434.26	\$ 10,812.40	\$ 10	10,812.40 \$	16,000.00	69-	16,000.00
69	7	each	Light Pole Assembly		9,774.43 \$	68,421.01	\$ 8,449.50		59,146.50 \$	12,000.00	64	84,000.00
70	-	l.s.	Lighting Circuitry, Conduits, Vaults / Boxes, Enclosures, and Other Necessary	\$ 79,4	79,437.40 \$	79,437.40	\$ 69,076.00	59 \$	\$ 00.920,69	100,000.00	un-	100,000.00
			Apparentances									

71	1	l.s.	Security Conduits, Vaults / Boxes, Enclosures, and Other Necessary	\$ 96,762.15	\$ \$ \$ \$	96,762.15	\$ 84,141.00	\$	84,141.00 \$	125,000.00	\$ 125,000.00
72	1	I.S.	Repaint of Existing Traffic Signal Posts, Arms, Etc.	\$ 29,977.05	7.05	29,977.05	\$ 26,607.00	\$	26,607.00 \$	35,000.00	\$ 35,000.00
73	45	J.f.	4" Diameter Storm Drain, SDR 26 PVC		46.97 \$	2,113.65	\$ 64.61	8	2,907.45 \$	150.00 \$	6,750.00
74	30	J.I.	8" Diameter Storm Drain, SDR 26 PVC	\$	\$ 77.79	2,033.10	\$ 89.10	_	2,673.00 \$	\$ 200.00	6,000.00
75	40	l.f.	15" Diameter Storm Drain		$\rightarrow$	4,528.80		_	$\rightarrow$	$\rightarrow$	
92	129	1.f.	18" Diameter Storm Drain		-	21,568.80		_	-	$\rightarrow$	
77	326	1.f.	24" Diameter Storm Drain		_	65,757.46		$\rightarrow$	$\rightarrow$	$\rightarrow$	
78	240	1.f.	30" Diameter Storm Drain	\$ 25	258.50 \$	62,040.00	\$ 297.31	\$	71,354.40 \$	670.00	\$ 160,800.00
8	0	#	36" Diameter Storm Drain Omitted Per Addendum No. 4		- 1-		Omitte	Addendum	Ī		
08	267	l.f.	48" Diameter Storm Drain		503.24 \$	134,365.08		60- 0	$\rightarrow$	$\rightarrow$	
81	610	i.f.	60" Diameter Storm Drain	99	+	407,772.80	45	AG		-	"
28	1,642	-	Post Construction CC1 V of Storm Sewer	4 02	+	9,441.30		-	+	+	
83	2	each	Storm Dramage Structure, Grate Inlet with		+	10,004.27		A 6	+	+	\$ 32,000.00
84	-   5	each	$\overline{}$		7177	210,012.00	\$ 11,025.00	A 6	11,023.00 \$	00.000.00	
82	5]	each	Storm Dranage Structure, Junction Box		-	20,012.69		n 6	17,240.90 \$	+	\$ 200,000.00
200	7 5	each	Storm Drainage Structure, Curb Catch basin		10,545.00 \$	21.100/17		n- 6	+	-	1
/x	6]	each	$\neg$		+	0.200.03	\$ 9,100.43	9 6	0 012 00 8	-	
88		each	Storm Drainage Structure, Valley Gutter Drain (Triple Grate)	\$ 64 151 54	4 54 \$	64 151 54	\$ 36.022.00	9 6	36.022.00	-	
60	-   -	l o	Treach Design of Doctor Hall Service Rama		+	6.516.16		+	_	+	
3 6	4	each	Connect to Existing Storm Inlet		-	5.744.32		-	-	+	1
92	75	l.f.	$\overline{}$		-	3,575.25		-	1	+	
93	-	each	$\overline{}$	\$ 28	-	284.64		-	-	400.00	
93A	1	each	Providing and Installing New Decorative Bo		-	2,314.39	3	-	-	-	3
93B	1	each	$\overline{}$		-	189.74		-	-	-	
94	10	each	Removal and Replacement of Pedestrian Bo		432.31 \$	4,323.10	\$ 225.00	_	2,250.00 \$	1,000.00 \$	10,000.00
95	70	1.f	Removal and Replacement of Chains Between Pedestrian Bollards	. 1	11.50 \$	805.00	\$ 20.00	\$	1,400.00 \$	40.00	5 2,800.00
96	3,000	s.y.i.p.			8.63 \$	25,890.00	\$ 7.50	\$ (	22,500.00 \$	11.00 \$	33,000.00
76	2,100	s.y.i.p.	. Landscape Mulch		3.45 \$	7,245.00	\$ 2.92	\$	6,132.00 \$	4.00 \$	
86	1	l.s.		\$ 10,137.25	7.25 \$	10,137.25	\$ 7,000.00	\$	7,000.00 \$	10,000.00	
66	1	l.s.	Irrigation (Replacement and New Construction)	17,2	\$ 00.00	17,250.00	15,0	\$	15,000.00 \$	$\rightarrow$	
100	200	1.f.	>1		$\rightarrow$	8,446.00		-	-	-	
101	4	each	-		-	5,821.68		+	-	$\rightarrow$	
102	2	each	_	1,0	$\rightarrow$	5,013.90	2,5	+	11,287.50 \$	$\rightarrow$	
103	240	-	Existing Steam Piping and Tunnel Removal	1	+	5,013.60		$\rightarrow$	-	$\rightarrow$	
104	-	l.s.	Allowance: Steam Piping Abatement	25	-	50,000.00	50,00	$\rightarrow$	-	-	
105	-	l.s.	ement Allowance		5/5.00 \$	575.00	1.00	ъР-	+	10,000.00   \$	
			Colonial Drive and University Blvd Enhancements - Subtotal	<del>6</del> 9=		3,363,534.28	69-	3,7	3,775,312.92 \$		5,089,108.00
Sanitary .	Sanitary Sewer Improvements	roveme	nts		ŀ			- 1-	- 1-	-	
106	1	l.s.	Mobilization & Demobilization	\$ 10,000.00	-	10,000.00		$\rightarrow$	$\rightarrow$	$\rightarrow$	
107		l.s.	Construction Layout		-	5,750.00		-	-	$\rightarrow$	
108	-	l.s.	GPS of Utilities and As-Built Drawings	\$ 4,02	4,025.00 \$	4,025.00		9	_	-	9
109	-	S:	$\neg$	1,0	-	1,679.13	2,5	-	-	_	
110	20	each	$\neg$	7 C	-	1,437.50		_	-	30.00	2,300.00
1 5	7 5	each			17.05 \$	962.50	\$ 213.00	9 6	2 007 50 \$	85.00 \$	4
112	20	1.1.	Traine Control, Jetsey Dattiers (10-Docks) with Felice Laneis (110 with selectin)	9. 6	-	543.00			_	+-	
C11	100	1.1.	$\neg$		+	1 515 00	43		1 308 00 &	+	,
114	2	each	Erosion Control - Inlet Protection (All 1yp	OC &	+	70.616,1			_	-	
115	485	s.y.i.p.	Saw-Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces (Includes Salvage of Old Trestle Rails)	\$	15.39 \$	7,464.15	\$ 27.97	\$ 1	13,565.45 \$	25.00	\$ 12,125.00
116	05	c v i o		6	95.45	4.772.50	\$ 96.25	69	4.812.50 \$	120.00	0.000.00
117	315	Svin			-	26,806.50	\$ 102.03	+	32,139.45 \$	125.00 \$	
118	175	1.f.	6" Curb		-	8,050.00		₩.	+	₩	
					1.			+-	-	-	
119	365	s.y.i.p.	Concrete Pavement Areas) (4" Compacted T	69	18.16	6,628.40	\$ 19.35	69	7,062.75 \$	20.00	7,300.00
120	130	s.y.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1"  Maximum Aggregate Size Mix, ESAL Range E (1100 lb/sy)(Includes Tack Coat)	\$ 12	124.64 \$	16,203.20	\$ 200.00	<b>G</b>	26,000.00 \$	160.00	20,800.00

Secondaria	inous Concrete We ix, ESAL Range C,	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum Aggregate Size Mix, ESAL Range C/D (165 lb/ sy) (Includes Tack Coat)	<b>49</b>	15.74	69-	\$,587.70	12.00	69	4,260.00	69	20.00	4	7,100.00
1926	ig Asphalt		S	6.19	69-	1,392.75 \$	10.00	S	2,250.00	643:	8.00	\$ 1	1,800.00
Page	ic Striping (All Typ	es and Color)	69	0.58	64	174.00 \$	0.50	69-	150.00	69-	1.00	69-	300.00
Mannent Tarlife Markings, Class 2, Type N, Vicaswalk)   \$ 6.00	ic Markings, Match	ing Permanent (All Types and Color)	60-	1,748.00	8	-	1,52	-	1,520.00	60:	-		2,500.00
Mannent Tarlife Markings, Class 2, Type N, Yellow Hatch	c Markings, Class 1	l, Type 'A' (Crosswalk)	69-6	06.90	50- 6	414.00 \$		$\rightarrow$	360.00	59 G	9.00	5A 6	540.00
Apparent Tarlife Stationical Coasts of Type V	C Markings, Class 2		A 4	23.00	n 4	2 760 00 \$	200.00	A 6	2 400 00	4 6		4 6	3 600.00
Parenter SINE Stripting, Double Solid Yellow, Class 2, Type 'N   \$5291   Diameter SINE 26 PVC Sanitary Sewer Main   Sanitary Sewer Manhole (minimum 60' diameter)   \$13,391,75   13,391,75   Sanitary Sewer Manhole (minimum 60' diameter)   \$13,391,75   Sanitary Sewer Manhole (minimum 60' diameter)   \$1,971,10   Incort Dep Connection (Careel-In-Place Lining)   \$2,875,00   Sanitary Sewer Rehabilitation (Careel-In-Place Lining)   \$2,875,00   Sanitary Sewer Rehabilitation (Careel-In-Place Lining)   \$2,875,00   Sanitary Sewer Rehabilitation (Careel-In-Place Lining)   \$2,725,00   Sanitary Sewer Rehabilitation (Careel-In-Place Lining)   \$2,725,00   Sanitary Sewer Rehabilitation (Sewer Main Sewer Size Main Sewer Size Main Control - Walters Sewer Main Ober Count Death Protection Main Sewer Sewer Main Sewer Sewer Main Sewer Sewer Main Sewer Sewer Main Sewer Main Ober Count Death Main Sewer Main Sewer Main Ober Count Death Sewer Main Ober Count Death Main Sewer Main Ober Count Death Main Sewer Main Sew	c Striping, Solid W	bite. Class 2. Type 'A'	n. 69	3.45	+ 60	+-		+	450.00	, 60	-		00.009
1992   1992   1993	c Striping, Double	Type	64	6.90	· 69-	+		-	900.00	65	_		1,350.00
1956.60	26 PVC Sanitary S	Sewer Main	65:	592.91	69-	↤		-	18,162.00	<b>6</b> 4>	-	-	12,500.00
1997   1997   1997   1999	R 26 PVC Sanitary	Sewer Main	s s	1,595.60	69	\$ 00.095,651	817.75	69	81,775.00	64	400.00	\$ 40	40,000.00
1917.16	ewer Manhole (mi	nimum 48" diameter)	6P	13,391.75	69	-		$\vdash$	10,128.32		$\vdash$		24,000.00
into Drop Connection  meet to Existing Sever Rahabilitation  meet to Existing Sever Rahabilitation  Teleaning of Existing 10° Sanitary Sever Main  by for Sanitary Sever Rehabilitation (Cured-1n-Place Lining)  Sanitary Sever Rahabilitation (Cured-1n-Place Lining)  Sanitary Sever Rahabilitation)  1,725.00	sewer Manhole (mi	nimum 60" diameter)	6A-	28,352.28	69	$\rightarrow$		-	66,201.01		$\rightarrow$		18,000.00
nuce to Existing Sever Manhole / Sewer main         \$ 2,137,70           tr Cleaning of Existing 10" Sanitary Sever Main         \$ 2,875,00           Sanitary Sever Rehabilitation (Cured-In-Place Lining)         \$ 2,875,00           Sanitary Sever Rehabilitation (Cured-In-Place Lining)         \$ 2,875,00           Economic Convert Rehabilitation (Cured-In-Place Lining)         \$ 1,752,00           Account of Existing Learent Connection (prior to cured-in-place lining)         \$ 1,752,00           Teconstruction CCTIV of Sanitary Sever Main         \$ 1,752,00           Pass Pumping of Existing Sanitary Sever Main         \$ 1,752,00           Pass Pumping of Existing Sanitary Sever Main         \$ 1,490,00           Pass Pumping of Existing Sanitary Sever Main         \$ 1,490,00           Benature Countries and As-Built Drawings         \$ 1,475,00           Benature Base Course, Anna Countries Sever Institution on Control - Temperature Base Course, ALDOT 424B, 1" Maximum         \$ 1,475,00           Sion Control - Inch Protection (MII Types)         \$ 5,602           Sion Control - Inch Protection (MII Types)         \$ 5,602           Sion Control - Inch Protection (MII Types)         \$ 2,475,00           Sion Control - Inch Protection (MII Types)         \$ 2,475,00           Sion Control - Inch Protection (MII Types)         \$ 2,400,00           Sion Control - Walves, Fittings, other Appurtenances	nnection		69-	1,917.16	69-	-		_	4,079.36		$\rightarrow$		10,000.00
11   12   13   14   15   15   15   15   15   15   15	ing Sewer Manhole	/ Sewer main	60: (	2,197.70	69- 6	$\rightarrow$	2,88	-	8,663.19		-		12,000.00
up for Santary Sever Rehabilitation         \$ 287500           sanitary Sever Rehabilitation         \$ 9200           sanitary Sever Rehabilitation         \$ 9200           differation of Existing Lateral Connection (prior to cured-in-place lining)         \$ 1,755.00           t Construction CCTIV of Sanitary Sever (New and Rehabilitation)         \$ 1,755.00           Pass Pumping of Existing Sanitary Sever Main         \$ 11,490.00           Pass Pumping of Existing Sanitary Sever Improvements - Subrotal         \$ 11,490.00           Pass Pumping of Existing Sanitary Sever Improvements - Subrotal         \$ 11,490.00           Bilization & Demobilization         Sanitary Sever Improvements - Subrotal         \$ 11,490.00           Sanitary Sever Main         \$ 10,575.58         \$ 10,571.61           Sanitary Sever Main         \$ 10,575.58         \$ 1,475.00           Bronze Utility Marker Installation         \$ 1,570.13         \$ 1,475.00           Sion Control - Varieties         \$ 1,475.00         \$ 1,475.00           Sion Control - Wattles         \$ 5,50.00         \$ 1,475.00           Sion Control - Marker Installation         \$ 1,475.00         \$ 1,475.00           Sion Control - Mile Protection (All Types)         \$ 1,475.00         \$ 1,475.00           Size Mix, ESAL Range C/D (165 Ib/s)) (Includes Tack Coat)         \$ 200.01.13         \$ 1,475.	Existing 10" Sanit	ary Sewer Main	60	2.88	60			-	1,287.50	_	-		2,060.00
Sanitary Sewer Rehabilitation (Cured-In-Place Lining)   \$1,020 of Control Custor (Cured-In-Place Ining)   \$1,725 of Control Christing Lateral Connection (Prior to cured-in-Place Ining)   \$1,725 of Control Christing Lateral Connection (Prior to cured-in-Place Ining)   \$1,725 of Control Christing Lateral Connection (Prior to cured-in-Place Ining)   \$1,725 of Control Christing Sanitary Sewer Main   \$1,734 of Construction CCIV Of Sanitary Sewer Improvements - Subtoral   \$1,740 of Control Christing Sanitary Sewer Inprovements - Subtoral   \$1,745 of Control Christing Sanitary Sewer Inprovements - Subtoral   \$1,747 of Control Christing Exterior Asphalt or Concrete Surfaces   \$1,679 of Control Lateral Protection (All Types)   \$1,679 of Control Christing Exterior Asphalt or Concrete Surfaces   \$1,679 of Control Christing Exterior Asphalt or Concrete Surfaces   \$1,679 of Control Christing Exterior Asphalt or Concrete Surfaces   \$1,679 of Control Christing Exterior Asphalt or Concrete Wearing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Externation Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface Christing Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing Surface, ALDOT 424A, 3,8° Maximum   \$1,475 of Christing Surface Christing S	y Sewer Rehabilita		64	2,875.00	60=	_	2	$\rightarrow$	2,500.00	_	-		4,000.00
Libration of Existing Lateral Connection (prior to cured-in-place lining)         \$ 1,725.00           Construction CCTV of Sanitary Sewer (New and Rehabilitation)         \$ 1,725.00           Pass Pumping of Existing Sanitary Sewer Main         \$ 11,490.00           Pass Pumping of Existing Sanitary Sewer Main         \$ 11,490.00           Pass Pumping of Existing Sanitary Sewer Main         \$ 17,475.00           Pass Pumping of Existing Sanitary Sewer Main         \$ 17,775.10           Pass Pumping of Existing Sanitary Sewer Improvements - Subtotal         \$ 17,775.00           Pass Data Control - Warder Installation         \$ 10,079.13           Sof Utilities and As-Built Drawings         \$ 1,679.13           Sion Control - Inder Protection (All Types)         \$ 1,679.13           Sion Control - Inder Protection (All Types)         \$ 1,679.13           Sion Control - Inder Protection (All Types)         \$ 1,679.14           Sion Control - Inder Protection (All Types)         \$ 1,679.14           Sion Control - Inder Protection (All Types)         \$ 1,475.00           Sion Control - Inder Protection Base Course, ALDOT 424A, 3/8" Maximum         \$ 1,475.00           Sion Control - Marker ExAL Range C/D (165 lb/sy) (Includes Tack Coat)         \$ 25,04           Ferpare Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)         \$ 20,060.75           Figure Size Mix, ESAL Range C/D (165 lb/sy) (Inclu	er Rehabilitation (C		64- C	92.00	69-	$\rightarrow$		$\rightarrow$	51,500.00	69- (	-		61,800.00
Pass Pumping of Existing Sanitary Sewer (New and Renabilitation)  Pass Pumping of Existing Sanitary Sewer Improvements - Subtoral  Pass Pumping of Existing Sanitary Sewer Improvements - Subtoral  Sanitary Sewer Installation  Sanitary Sewer Improvements - Subtoral  Sanitary Sewer Installation  Sanitary Sewer Installation  Sanitary Sewer Installation  Sanitary Sewer Installation  Sanitary Sewer Street Stree	Sxisting Lateral Cor		64: 6	1,725.00	64- 6	$\rightarrow$	1,50	-	1,500.00	69 6	-		2,000.00
Pass Punping of Existing Sanitary Sewer Improvements - Subtoral Pass Punping of Existing Sanitary Sewer Improvements - Subtoral Sanitary Sewer Improvements - Subtoral Sanitary Sewer Improvements - Subtoral Struction Layout Sof Utilities and As-Built Drawings Sof Of Utilities and As-Built Drawings Sof Ontrol - Wartles Sion Control - Wartles Sion Control - Inter Protection (All Types) Sof Octural - Sand Bages Sof	n CCIV or Sanitary		Ģ	17.84	0. 64	7 136 00 \$	1013	7 6	4.052.00	٠ (	25.00	10	3,200.00
Sanitary Sewer Improvements - Subtoral \$  bilization & Demobilization  Stanitary Sewer Improvements - Subtoral \$  struction Layout  Stanitary Sewer Improvements - Subtoral \$  10,925.58  Sof Utilities and As-Built Drawings  Sof Utilities and As-Built Drawings  Sof Octorated - Wardles  Soft Octorated - Wardles  Soft Control - Inher Protection (All Types)  Soft Utilities and Removal of Existing Aspends in Two (2) Equal Layers)  Soft Utilities and Removal of Existing Aspends  Soft Utilities and Removal of Existing Aspends  Soft Utilities and As-Built Drawings  Bronze Utility Marker Installation  Soft Utilities and As-Built Drawings  Soft Utilities and As-B	of Existing Sanita	CWCI IMAIII	÷ 60	11 490.00		-	24.8	-	24.888.00		-		30,000.00
bilization & Demobilization  Istruction Layout  Bronze Utilities and As-Built Drawings  S of Utilities and As-Built Drawings  Bronze Utility Marker Installation  Bronze Utility Marker Installation  S of Octured I Wather Installation  S of Utilities and As-Built Drawings  S of Octured I Wather Installation  S of Octured I Wather I Wath	Summer of the	tary Sewer Improvements	-			-		-	406,780.70		-	"	385,250.00
sion Control - Marker Installation  Bronze Utilities and As-Built Drawings  S of Utilities and Removal of Existing Exterior Asphalt or Concrete Surfaces  S of Octor Control - Inter Protection (All Types)  Sion Control - Inter Protection (All Types)  Sion Control - Inter Protection (All Types)  S of Agergate Limestone Base Course, ALDOT 825 Type "B" (Asphalt concrete Binder Layer, ALDOT 825 Type "B" (Asphalt concrete Binder Layer, ALDOT 825 Type "B" (Asphalt concrete Binder Layer, ALDOT 424B, 1" Maximum creates Extension Solution of Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum creates Extension Solution Solutio		I	1			-							
sion Control - Wardes Sof Utilities and As-Built Drawings Sof Utilities and As-Built Drawings Sof Utilities and As-Built Drawings Sion Control - Wardes Sion Control - Wardes Sion Control - Inler Protection (All Types) Sion Control - Sand Bags Sion Contr	Jemobilization		60	36.271.61	69	36.271.61 \$	5.000.00	69	5.000.00	8	00.000.09	09 \$	60.000.00
S of Utilities and As-Built Drawings       \$ 7,475.00         Bronze Utility Marker Installation       \$ 1,679.13         sion Control - Temporary Polyethylene or Geotextile Fabric       \$ 1,679.13         sion Control - Under Protection (All Types)       \$ 543         -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces       \$ 5.04         shed Aggregate Linestone Base Course, ALDOT 825 Type "B" (Asphalt       \$ 5.04         sement Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers)       \$ 30.22         sepave Bituminous Concrete Binder Layer, ALDOT 424A, 3/8" Maximum       \$ 13.41         regate Size Mix, ESAL Range E (440 lb/sy)(Includes Tack Coat)       \$ 1.78         repave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum       \$ 1.74         repave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum       \$ 1.74         repave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum       \$ 1.78         repave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum       \$ 5.00.00         repave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum       \$ 5.00.00         repave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum       \$ 5.750.00         repave Bituminous Concrete Wearing Surface, All Marker Installation       \$ 20,760.75         sion Control - Sand Bags       \$ 1,679.13         sion Control	Out		60	10.925.58	69	+		+	8,500.00		-		12,000.00
Bronze Utility Marker Installation sion Control - Temporary Polyethylone or Geotextile Fabric sion Control - Watrles sion Control - Watrles sion Control - Met Protection (All Types) -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces shed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Asphalt sement Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers)  strengate Size Mix, ESAL Range E (440 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat) strengate Size Mix, Palver Bulled Thermal Mains at Reese-Phifer Hall strength Asphalt rmal Energy Main, Valves, Fittings, other Appurtenances struction Layout strength Marker Installation Sof Utilities and As-Built Drawings sion Control - Lalet Protection (All Types) sion Control - Lalet Protection (All Types) sion Control - Sand Bags sion Control	nd As-Built Drawi	Säu	69	7,475.00	69-	-			6,500.00	60	-		9,000.00
sion Control - Temporary Polyethylene or Geotextile Fabric sion Control - Wattles sion Control - Wattles sion Control - Mattles sion Control - Inlet Protection (All Types) Sion Control - Inlet Protection (All Types) Sion Control - Inlet Protection (All Types) Sion Control - Sanda Removal of Existing Exterior Asphalt or Concrete Surfaces Sicon Control - Inlet Protection (All Types) Sicon Control - Inlet Protection (All Types) Sicon Control - Sand Bags Sicon Control - Sanda Bags Sion	y Marker Installatio	no	69:	1,679.13	64	ш			2,500.00	ш	500.00		500.00
sion Control - Wartles  sion Control - Martles  sion Control - Inlet Protection (All Types)  -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces  -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces  shed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Asphalt  cenent Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers)  streament Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers)  cepave Bituminous Concrete Binder Layer, ALDOT 424B, 1" Maximum  regate Size Mix, ESAL Range E (440 lb/sy) (Includes Tack Coat)  streament Strange C/D (165 lb/sy) (Includes Tack Coat)  regate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  streament Strange Asphalt  read Energy Main, Valves, Fittings, other Appurtenances  frequent Childed Thermal Mains at Reese-Phifter Hall  sing of Existing Asphalt  Thermal Energy Extension - Subroral  struction Layout  so of Utilities and As-Built Drawings  so of Outility Marker Installation  so of Utilities and As-Built Drawings  so of Outilities and As-Built Drawings  so of Outiliti	- Temporary Polye	thylene or Geotextile Fabric	64	1.38	<b>6</b> ₽	$\rightarrow$			2,700.00	_	$\rightarrow$		5,000.00
ston Control - Inlet Protection (All Types)  -Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces shed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Asphalt ement Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers)  erpave Bituminous Concrete Binder Layer, ALDOT 424B, 1" Maximum stregate Size Mix, ESAL Range E (440 lb/sy)(Includes Tack Coat)  erpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum stregate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  fregate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  ing of Existing Asphalt  framal Energy Main, Valves, Fittings, other Appurtenances framal Energy Main (Valves) franct to Hot and Chilled Thermal Mains at Reese-Phifter Hall framal Energy Batch in Salation framal Energy Main (Valves) framal Energy Extension - Subroral framal Energy Main (Open Cut Installation) framal Eas Main (Open Cut Installation) framal Eas Main (Open Cut Installation) framal Eas Main Connection framal Eas Main (Open Cut Installation) framal Eas Main (Open Cut	- Wattles		69 (	5.43	69- (	-			3,575.00	_	_		3,000.00
shed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Asphala of Compacted Thickness Placed in Two (2) Equal Layers)  spead Aggregate Limestone Base Course, ALDOT 424B, 1" Maximum regate Size Mix, ESAL Range E (440 lb/sy)(Includes Tack Coat)  speave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum regate Size Mix, ESAL Range E (440 lb/sy) (Includes Tack Coat)  speare Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  ing of Existing Asphalt  regate Size Mix, Valves, Fittings, other Appurtenances  small Energy Main, Valves, Fittings, other Appurtenances  small Energy Main, Valves, Fittings, other Appurtenances  speare Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  sing of Existing Asphalt  Thermal Energy Extension - Subtotal  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Mains at Reese-Phifer Hall  speared to Hot and Chilled Themal Hall to Hot and Control - Sand Bags  son Control - Sand Bag	- Inlet Protection (	All Types)	υ <b>Α</b> . 6	506.29	A 6	2,025.16	14 43	A 6	7 036 50	n u	25.00	₩ &	3,600.00
shed Aggregate Lamestone base Course, ALDOT 822 1ype "B" (Asphalt ement Areas) (12-1/2" Compacted Thickness Placed in Two (2) Equal Layers)  erpave Bituminous Concrete Binder Layer, ALDOT 424B, 1" Maximum gregate Size Mix, ESAL Range E (440 lb/sy)(Includes Tack Coat)  erpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum gregate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  ing of Existing Asphalt  rand Energy Main, Valves, Fittings, other Appurtenances \$822,940.00  innect to Hot and Chilled Thermal Mains at Reese-Phifter Hall \$3,450.00  thwork (Trench Excavation, Backfill, and Compaction) \$5,200,618.52  Sistuction Layout \$5,000 child Types) \$5,760.75  sistuction Layout \$5,000 child Types) \$5,750.00  Bronze Utility Marker Installation \$5,000 control - Inlet Protection (All Types) \$5,750.00  sion Control - Sand Bags  IA Natural Gas Main (Open Cut Installation) \$5,750.00  IA Natural Gas Main (Open Cut Installation) \$5,750.00	noval or Existing E	xtenor Aspnait of Concrete Surfaces	4	23.04	9	-		-	06.0064/	9	-		0,000,00
regate Size Mix, ESAL Range E (440 lb/sy)(Includes Tack Coat)  erpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum  regate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)  ing of Existing Asphalt  rmal Encergy Main, Valves, Fittings, other Appurtenances  small Encergy Main, Valves, Fittings, other Appurtenances  more to Hot and Chilled Thermal Mains at Reese-Phifer Hall  small Encergy Main, Valves, Fittings, other Appurtenances  Thermal Encergy Extension - Subroral  struction & Demobilization  struction & Demobilization  Solutivities and As-Built Drawings  sion Control - Inlet Protection (All Types)  sion Control - Inlet Protection (All Types)  sion Control - Lange Main (Open Cut Installation)  A Natural Gas Main (Open Cut Installation)  school Anatral Gas Main (Open Cut Installation)  school Anatral Gas Main (Open Cut Installation)  school Anatral Gas Main Connection  school School School	te Limestone Base (12-1/2" Compact	Course, ALDOT 825 Type "B" (Asphalt ed Thickness Placed in Two (2) Equal Layers		36.85	S	24,873.75 \$	28.38	64:	19,156.50	69	35.00	\$ 23	23,625.00
erpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum         \$ 13.41           regate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)         \$ 1.78           ing of Existing Asphalt         \$ 822,940.00           rmal Energy Main, Valves, Fittings, other Appurtenances         \$ 822,940.00           incert to Hot and Chilled Thermal Mains at Reese-Phifer Hall         \$ 3,450.00           thwork (Trench Excavation, Backfill, and Compaction)         \$ 260,618.52           retroction & Demobilization         \$ 20,760.75           struction Layout         \$ 7,475.00           Sof Utilities and As-Built Drawings         \$ 7,750.00           Bronze Utility Marker Installation         \$ 5,750.00           sion Control - Markes         \$ 506.29           sion Control - Sand Bags         \$ 10.36           sion Control - Sand Bags         \$ 10.36           A Natural Gas Main (Open Cut Installation)         \$ 45.23           JA Natural Gas Main (Open Cut Installation)         \$ 5,750.00           Shanted Gas Main Connection         \$ 5,750.00	inous Concrete Bin ix, ESAL Range E	nder Layer, ALDOT 424B, 1" Maximum (440 lb/sy)(Includes Tack Coat)	69:	30.22	69	20,398.50 \$	22.60	<b>€</b>	15,255.00	69	38.00	\$ 25	25,650.00
ing of Existing Asphalt         \$ 1.78           rmal Energy Main, Valves, Fittings, other Appurtenances         \$ 822,940.00           innect to Hot and Chilled Thermal Mains at Reese-Phifer Hall         \$ 3,450.00           thwork (Trench Excavation, Backfill, and Compaction)         \$ 260,618.52           Dization & Demobilization         \$ 20,760.75           Struction Layout         \$ 7,475.00           Sof Utilities and As-Built Drawings         \$ 5,750.00           Bronze Utility Marker Installation         \$ 5,750.00           sion Control - Mattles         \$ 50.22           sion Control - Laber Protection (All Types)         \$ 50.22           sion Control - Sand Bags         \$ 10.36           sion Control - Sand Bags         \$ 10.36           JA Natural Gas Main (Open Cut Installation)         \$ 178.25           JA Natural Gas Main (Open Cut Installation)         \$ 45.23           JA Natural Gas Main Connection         \$ 5,750.00	inous Concrete We ix, ESAL Range C,	aring Surface, ALDOT 424A, 3/8" Maximur /D (165 lb/sy) (Includes Tack Coat)		13.41	69	19,779.75 \$	12.00	<i>⊌</i>	17,700.00	G	17.00	\$ 25	25,075.00
rmal Encergy Main, Valves, Fittings, other Appurtenances  nect to Hot and Chilled Thermal Mains at Reese-Phifter Hall  thwork (Trench Excavation, Backful, and Compaction)  Thermal Encergy Extension - Subroral  Thermal Encergy Extension - Subroral  struction Layout  S of Utilities and As-Built Drawings  sion Control - Nartles  sion Control - Inlet Protection (All Types)  sion Control - Sand Bags  In Natural Gas Main (Open Cut Installation)  NA Natural Gas Main (Open Cut Installation)  S 5,750.00  10.780.23  10.36  10.36  10.37  10.35  1	g Asphalt		64	1.78				$\vdash$	8,000.00		-	Ш	2,400.00
Thermal Brack of Trench Excavation, Backfill, and Compaction   \$ 260,618.52	Main, Valves, Fittin	gs, other Appurtenances	69 G	3 450 00	64 G	3 450.00 \$	35,000,00	60 6	35,000,00	\$ 1,00	1,000,000,000	\$ 1,000	1,000,000.00
Thermal Energy Extension - Subroral   \$	ch Excavation, Bac	kfill, and Compaction)	s 60	260,618.52		+	1,	-	555,335.96		+		400,000.00
Solution & Demobilization   Solution & Demobilization   Solution & Demobilization   Solution   So		Thermal Energy Extension - Subtotal			1	-		-	1,493,902.96		-		1,588,600.00
1         1.s. Mobilization & Demobilization         \$ 20,760.75           1         1.s. Construction Layout         \$ 7,475.00           1         1.s. GPS of Utilities and As-Built Drawings         \$ 7,475.00           1         1.s. UA Bronze Utility Marker Installation         \$ 1,570.13           200         1.f. Erosion Control - Wattles         \$ 1,671.31           2         cach Erosion Control - Inlet Protection (All Types)         \$ 5,43           100         cach Erosion Control - Sand Bags         \$ 10.36           655         1.f. 4" UA Natural Gas Main (Open Cut Installation)         \$ 178.25           1,075         1.f. 4" UA Natural Gas Main (Open Cut Installation)         \$ 45.23           4         cach 4" UA Natural Gas Main Connection         \$ 5,750.00													
1         1.s.         Construction Layout         \$ 7,475.00           1         1.s.         GPS of Utilities and As-Built Drawings         \$ 7,475.00           1         1.s.         UA Bronze Utility Marker Installation         \$ 1,679.13           200         1.f.         Erosion Control - Wattles         \$ 5,730.00           2         cach         Erosion Control - Inlet Protection (All Types)         \$ 566.29           100         each         Erosion Control - Sand Bags         10.36           655         1.f.         4" UA Natural Gas Main (Open Cut Installation)         \$ 178.25           1,075         1.f.         4" UA Natural Gas Main (Open Cut Installation)         \$ 45.23           4         cach         4" UA Natural Gas Main Connection         \$ 5,750.00	emobilization		64-	20,760.75	64	20,760.75 \$	2,500.00	69	2,500.00	\$ 1	13,000.00 \$		13,000.00
1         Ls. GPS of Utilities and As-Built Drawings         \$ 5,750.00           1         Ls. UA Bronze Utility Marker Installation         \$ 1,679.13           200         Lf. Erosion Control - Wattles         \$ 5,43           2         each Erosion Control - Inlet Protection (All Types)         \$ 5,43           100         each Erosion Control - Sand Bages         \$ 10.36           655         Lf. 4" UA Natural Gas Main (Open Cut Installation)         \$ 178.25           1,075         Lf. 4" UA Natural Gas Main (Open Cut Installation)         \$ 45.23           4         each 4" UA Natural Gas Main Connection         \$ 5,750.00	out		<i>t</i> /4÷	7,475.00	64	$\vdash$		$\vdash$	8,500.00	693	$\vdash$		9,000.00
1         1.s.         UA Bronze Utility Marker Installation         \$ 1,679.13           200         1.f.         Erosion Control - Wartles         \$ 5.43           2         each         Erosion Control - Inlet Protection (All Types)         \$ 506.29           100         each         Erosion Control - Sand Bags         \$ 10.36           655         1.f.         4" UA Natural Gas Main (Directional Bore Installation)         \$ 45.23           4         each         4" UA Natural Gas Main Connection         \$ 5,750.00	nd As-Built Drawi	ngs	6A:	5,750.00	64	$\rightarrow$		-	6,500.00	60:	$\rightarrow$		8,000.00
200         I.f. Erosion Control - Wartles         \$ 5.43           2         cach Erosion Control - Inlet Protection (All Types)         \$ 506.29           100         each Erosion Control - Sand Bags         \$ 10.36           655         I.f. 4" UA Natural Gas Main (Directional Bore Installation)         \$ 178.25           1,075         I.f. 4" UA Natural Gas Main (Open Cut Installation)         \$ 45.23           4         each 4" UA Natural Gas Main Connection         \$ 5,750.00	y Marker Installatio	no	69 (	1,679.13	69- (	$\rightarrow$	2,50	$\rightarrow$	2,500.00	6A (	$\rightarrow$		500.00
2         cach Exosion Control - Infet Protection (All Types)         \$ 500.27           100         each Exosion Control - Sand Bags         \$ 10.36           655         Lf. 4" UA Natural Gas Main (Directional Bore Installation)         \$ 178.25           1,075         Lf. 4" UA Natural Gas Main (Open Cut Installation)         \$ 45.23           4         each 4" UA Natural Gas Main Connection         \$ 5,750.00	- Wattles		5A 6	5.43	5A 6	_		-	1,430.00	A 6	-		1,200.00
100   cach   Exosion Control - Sanu Dags   100     655   Lf.   4" UA Natural Gas Main (Directional Bore Installation)   \$   178.25     1,075   Lf.   4" UA Natural Gas Main (Open Cut Installation)   \$   45.23     4   each   4" UA Natural Gas Main Connection   \$   5,750.00	Inlet Protection (	All Types)	97 6	506.29	se 6	1,012.58 \$	436.00	ys 6	8/2.00	A 6	900.000		1,800.00
1,075         Lf. 4" UA Natural Gas Main (Open Cut Installation)         \$ 45.23           4         each 4" UA Natural Gas Main Connection         \$ 5,750.00	as Main (Direction)	al Bore Installation)	n= 60	178.25	9- 69	-	16	-	109.548.75	3- 60	+		42,575.00
4 each 4" UA Natural Gas Main Connection \$ 5,750.00	as Main (Open Cut	Installation)	· co	45.23		-		+	105,629.50	69	+-		134,375.00
	as Main Connection	u	60-	5,750.00	69-	-	3,7	$\vdash$	14,858.24				20,000.00
alve Box 1,776.75	as Main Valve with	Valve Box	60-	1,776.75	64	12,437.25 \$	4,393.60	-	30,755.20		2,000.00 \$		14,000.00

166	1.730	J.	Gas Main Cleaning and Testing	69	4.60 \$	7.958.00	\$ 0	3.85	9	6.660.50	60	10.00		17,300.00
167	70	S.V.i.D.	Saw-Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces		-		1.	27.97		+-		-		1,750.00
168	50	S.V.I.D.	Concrete Sidewalk		+		+	81.25		+-		+		00.000,9
169	20	1.f.			-		-	34.50		-		-		1,600.00
170	50	s.y.i.p.			14.79 \$		\$ 0	34.05	\$	1,702.50		15.00 \$		750.00
171	20	s.y.i.p.		<i>6</i> 0≈	\$ 89.99	1,133.60	\$	100.00	\$	2,000.00	<b>6</b> A	75.00 \$		1,500.00
172	50	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum Aggregate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)	69-	24.44	1,222.00	<i>\$</i>	20.00	\$	1,000.00	649-	32.00 \$		1,600.00
173	30	s.y.i.p.	Milling of Existing Asphalt		23.89 \$	716.70	$\vdash$	10.00	69-	$\vdash$		35.00 \$		1,050.00
			UA Natural Gas Main Extension - Subtotal	69		258,394.91	11 \$		301	301,967.09	60:		277,	277,000.00
Waterm	in Extensi	ion and	Watermain Extension and Relocations				-	00000		- 1-		-		000
1/4	- .	I.S.	Mobilization & Demobilization	4,7	_		4 6	2,500.00		+		+		13,000.00
1/5	-	I.S.	Construction Layout		8.625.00	8.625.00	-	7.500.00	A 64	7,500.00	\$ 10.0	10,000.00		10,000.00
177		l.s.	UA Bronze Utility Marker Installation	\$ 1,6	1,679.13 \$		-	2,500.00		-		+		200.00
178	280	1.f.	12" Ductile Iron Class 350 Watermain				-	137.75		_		-		60,200.00
179	800	1.f.	8" Ductile Iron Class 350 Watermain		$\rightarrow$	89,312.00	\$ 00	80.88	\$ 64	64,704.00		Н	1	52,000.00
180	100	1.f.	6" Ductile Iron Class 350 Watermain	69:	-		-	70.16				$\rightarrow$		18,000.00
181	25	1.f.	2" Type "K" Copper Service Watermain (City)		-			63.98		$\rightarrow$		-		4,000.00
182	50	I.f.	2" Class 200 PVC Service Watermain (UA)		37.91 \$	1,895.50	_	23.85	\$ 27	1,192.50	\$ 170	17 000 00 \$	4	7,000.00
185	2	each	12 Stoppie Valve	C,11 &	11,740.13		φ ψ	0,020.23		-		+-		30,000,00
105	7 -	each	12 Tapping Steeve and Valve with Valve Box		_		_	5 204 76		+		+		10,000,00
186		each	$\neg$	\$ 4.2	+	100	+	3,938.69		+		+		30,000.00
187	2	each	$\overline{}$				-	2,563.91		-		-		15,000.00
188	000,9	lbs.		\$	7.83 \$	46,980.00	Н	9.42		56,520.00		Н	06 \$	90,000,00
189	1	each	Relocation of Existing Fire Hydrant	\$ 3,4	3,484.12 \$		$\vdash$	2,296.55		-		-		4,000.00
190	3	each	New Fire Hydrant Assembly		-		-	5,207.48		-		$\rightarrow$		30,000.00
191	80	each			-		$\rightarrow$	1,041.03	50 59-	_		$\dashv$		8,000.00
192	00	each	Main Connection		_			825.00		-	3,5	$\rightarrow$		28,000.00
193	1,180	1.f.	Watermain Disinfecting and Testing	60	-		+	7.14		$\rightarrow$		-	2	23,600.00
194	270	;   ;	Grout full of Abandoned Existing Water Main	P 4	721.40 \$	731 49	A 4	1 580 07	A 4	1 589 97	8 4 5	20.00		4 500 00
100	-		Allowance: Purchase of City of Tuscaloosa 2" Domestic Meter Assembly with		+		+	5 125.00		+-		-		5.125.00
196	-	I.S.	1.7		-		-	3,123.00		-		-		00.5210
197	-	I.s.	Overhead and Profit for Purchase of Gity of Tuscaloosa 2" Domestic Meter Assembly with PRV Allowance (Doster Hall)	\$ 22	287.50 \$	287.50	\$ 0	1.00	S	1.00	\$ 1,0	1,000.000 \$		1,000.00
			Watermain Extension and Relocations - Subtotal	64		377,863.15	5 \$		325	325,029.84	69-		616,	616,025.00
			TOTAL BASE BID	49		5,654,386.11	1 \$		6,302	6,302,993.51	69		7,955,	7,955,983.00
Alternate	No. 1 - E	Extension	Alternate No. 1 - Extension of Street Replacement along Colonial Drive to Capstone Drive											
225	1	l.s.	Mobilization & Demobilization		6,803.87 \$	6,803.87	.7	6,617.32	9 \$	6,617.32		13,000.00	\$ 13,	13,000.00
226	1	l.s.	Construction Layout		$\rightarrow$			8,500.00		$\rightarrow$	\$ 12,0	-		12,000.00
227	-	l.s.	GPS of Utilities and As-Built Drawings	\$ 5,1	-		_	4,500.00		-		-		7,000.00
228	-	l.s.	UA Bronze Utility Marker and Storm Inlet Marker Installation		-		-	2,500.00	1	-		-		500.00
229	700	-j-	$\neg$		$\rightarrow$		+	57.75		+		45.00	<u> </u>	31,500.00
230	1 500	each	Construction Exit Pad  Freedom Control - Temporary Grassing / Mulching Andraulic annication)	2,1	0.50	2,161.34	4 C	2,173.00	P 60	855.00	C,2 8	2.00		3,000.00
232	1,000	s vin	Frosion Control - Temporary Mulching Only	69	+		-	0.57	+ 69	-	60	+		1.000.00
233	200	l.f.	Erosion Control - Type "A" Silt Fence	69	_	1	+	4.03		+	69	-		2,500.00
234	500	T.f.	Erosion Control - Wattles	643	-		$\vdash$	4.72	\$ 2	2,360.00	sa	\$ 00.9		3,000.00
235	100	each			_		s÷ 0	4.69		$\rightarrow$		$\rightarrow$		1,000.00
236	20	1.f.	Erosion Control - Rock Filter Check Dams		-		$\rightarrow$	65.64				-		2,500.00
237	100	I.S.	Barthwork c.i.a c.d	\$ 12,6	12,640.86 \$	12,640.86	9 0	20,258.00	\$ 20	20,258.00	\$ 25,0	25,000.00 \$		25,000.00
238	100	S.y.1.p	s.y.r.p. Solid Sod					7.30				-		200.000

	000	000		Y 1 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	Н	00000	$\perp$	$\vdash$			6	-	,	000000
1,1200   2,1200   3	239	900	S.y.1.p.	100	-	+	2,760.00	- [	-						200.00
1	240	- -	I.S.	Landscape Replacement (Shrubs, Plants, etc. matching preconstruction conditions)	$\rightarrow$		1,725.00		-		_		- 1	7 0	2,500.00
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	241	-	I.S.	Irrigation (Replacement and New Construction)	<i>p</i> 6		1,725.00		-		-		- 1	7	,500.00
Section   Comparison   Comparison   Section	242	30			ys. 6	-	1,465.20		-	1	+		_	1 01	0.050.00
Control of the County   Application   Strict	C47	OC/	s.y.1.p.		٩	+	0,017.30		-		+		-	01	00.007
R. Charle Day at Directed by the Councer, Part Science Breach Carry Regressment (To be Used   2271 \$ 8,177.50 \$ 19.41 \$ 4,85.50 \$ 4.000	244	-	.s.		60-	-	2,349.2	$\rightarrow$	-		-		$\rightarrow$	15	15,000.00
State   Stat	245	450	s.y.i.p.	Geotextile Fabric (To Be Used Only as Direc Representative)	69:	_	1,035.00					<b>69</b>		2	2,250.00
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	246	250	c.y.i.p.		69:	-	8,177.5(	_			_	40			10,000.00
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	177	00			6	+	7 636 00	-	-		-		_		000000
Concrete ALDOY (25.5 Type "B" (Salvoulk and \$ 15.40 \$ 1.360.06)   11.35 \$ 1.250.06 \$ 10.00	248	160	s.y.1.p.		n- 6	-	15,020.00	-	-		+		_		20,000,00
Concrete Base Concrete Nationales   Strain   S	249	300	3.y.r.p.		60	-	13,800.00	-	+		+		-		18,000.00
Concerne Wearing Surface Placed in Two (2) Equal Layers    S   13,897.80   S   13,897.80   S   11,999.00   S   15,000	250	240	s.y.i.p.	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" Concrete Pavement Areas) (4" Compacted Thickness)	607	_	3,717.60		-			40			3,600.00
Concrete Bunder Layer, ALDOT 424A, 1" Maximum   Secure State Bunder Layer, ALDOT 424A, 1" Maximum   Secure State Bunder Layer, ALDOT 424A, 3 \( \text{s}^2 \) Maximum   Secure State Bunder Layer, ALDOT 424A, 3 \( \text{s}^2 \) Maximum   Secure State Bunder Layer, ALDOT 424A, 3 \( \text{s}^2 \) Maximum   Secure State Bunder Cloop   Secure State Bunder State Bunder Maximum   Secure State Bunder Cloop   Secure State Bunder State Bunder State Bunder Bunder State Bunder Bunder State Bunder Bunder State Bunder State Bunder Bunder State Bunder Bund	251	420	s.y.i.p.		69:		13,897.80		28.38			40			14,700.00
S. C. Concrete Wening Surface, ALDOT 424A, 3/8" Maximum S. 12.29 \$ 6,759.50 \$ 11,000.00 \$	252	450	s.y.i.p.		64		13,131.00		22.60			40			16,650.00
Part	253	550	s.y.i.p.	Superpave Bituminous Concrete Wearing Sur Aggregate Size Mix, ESAL Range C/D (165)	(A)		6,759.50					40		Ġ.	9,350.00
typing (All Types and Color)         \$ 1,040.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,196.00         \$ 1,040.00	254	100	s.y.i.p.	Milling of Existing Asphalt	69-	-	757.00		_		-			1	1,000.00
gendal, Marching Permanent (All Types and Coloc)         \$ 1,196.00         \$ 1,196.00         \$ 1,960.00         \$ 1,960.00         \$ 1,960.00         \$ 1,960.00         \$ 1,960.00         \$ 1,000.00         <	255	290	l.f.	Temporary Traffic Striping (All Types and Color)	69-	-	168.20	╙	⊢	(40)	⊢	69	-		290.00
gendle, Matching Permanent (All Types and Color)         \$ 41400         \$ 41400         \$ 36000         \$ 15000         \$ 15000           gendle, Matching Permanent (All Types A (Dub)         \$ 9200         \$ 18400         \$ 16000         \$ 15000         \$ 15000           gendle, Class I, Type A' (Dub)         \$ 4000         \$ 18400         \$ 10000         \$ 10000         \$ 10000           skidgs, Class I, Type A', Bake Symbol         \$ 4000         \$ 2000         \$ 2000         \$ 10000         \$ 10000           kinggs, Class I, Type A', Conswalk         \$ 600         \$ 13800         \$ 060         \$ 10000         \$ 10000           kinggs, Class I, Type A', Conswalk         \$ 86.25         \$ 172.96         \$ 10000         \$ 10000           kinggs, Class I, Type A', Conswalk         \$ 86.25         \$ 112500         \$ 10000         \$ 10000           kinggs, Class I, Type A', Arcows         \$ 11500         \$ 112500         \$ 10000         \$ 10000           kinggs, Class I, Type A', Arcows         \$ 11500         \$ 112500         \$ 10000         \$ 15000         \$ 10000           kinggs, Class I, Type A', Arcows         \$ 117500         \$ 10000         \$ 10000         \$ 15000         \$ 15000         \$ 15000           pinggs, Double Color Walker Class I, Type A', Arcows         \$ 115000         \$ 1	256	1	l.s.	Temporary Traffic Markings, Matching Permanent (All Types and Color)	60	-	1,196.00	-	-		-			1	1,500.00
gends, Class 1, Type A (Only)         5         920.0         5         184.00         5         100.00         6         100.00         6         20.00         8         100.00         8         100.00         8         100.00         8         100.00         8         100.00         8         100.00         8         100.00         8         100.00         8         100.00         8         100.00         9         100.00         9         100.00         9         100.00         9         100.00         9         100.00         9         100.00         9         100.00         9         100.00         9         100.00         100.00         100.00         100.00         100.00         100.00         100.00 <td>257</td> <td>1</td> <td>l.s.</td> <td>Temporary Traffic Legends, Matching Permanent (All Types and Color)</td> <td>64</td> <td>-</td> <td>414.00</td> <td></td> <td><math>\vdash</math></td> <td>600</td> <td><math>\vdash</math></td> <td></td> <td><math>\rightarrow</math></td> <td></td> <td>500.00</td>	257	1	l.s.	Temporary Traffic Legends, Matching Permanent (All Types and Color)	64	-	414.00		$\vdash$	600	$\vdash$		$\rightarrow$		500.00
genda, Class 1, Type M, Cahly)         \$ 69.00         \$ 138.00         \$ 120.00         \$ 100.00           skeings, Class 1, Type M, Shabol         \$ 60.05         \$ 120.00         \$ 100.00           skeings, Class 1, Type M, Stope Bar         \$ 6.00         \$ 224.60         \$ 6.00         \$ 20.40         \$ 100.00           skeings, Class 1, Type M, Acrosswalk         \$ 6.00         \$ 40.00         \$ 204.00         \$ 90.00           skeings, Class 1, Type M, Acrows         \$ 86.25         \$ 1172.30         \$ 10.00         \$ 100.00           ping, Solid White, Class 1, Type M, Acrows         \$ 115.00         \$ 1172.30         \$ 100.00         \$ 100.00         \$ 100.00           ping, Solid White, Class 1, Type M, Double Solid Vallow, Class 1, Type M, Double	258	2	each		69-		184.00	-	_	40.	$\rightarrow$		$\rightarrow$		240.00
Keings, Class I, Type M, Size Symbol         \$ 46.00         \$ 92.00         \$ 724.00         \$ 80.00         \$ 90.00           Ackings, Class I, Type M, Scoswalk         \$ 6.09         \$ 46.02         \$ 6.00         \$ 246.00         \$ 90.00         \$ 90.00           Ackings, Class I, Type M, Arrows         \$ 6.09         \$ 46.25         \$ 175.05         \$ 150.00         \$ 90.00           Ackings, Class I, Type M, Arrows         \$ 8.25         \$ 1725.05         \$ 1.00         \$ 150.00         \$ 90.00           Ackings, Class I, Type M, Arrows         \$ 1.15         \$ 1.256.05         \$ 1.00         \$ 150.00         \$ 150.00           Ackings, Class I, Type M,	259	2	each	- 1	69-	$\rightarrow$	138.00	_		(6)	_		$\rightarrow$		200.00
Actings, Class 1, Type 'A', Crosswalk         5         6.90         5         2.24,0.0         5         2.04,0.0         5         2.04,0.0         5         2.04,0.0         5         2.00         5         2.00         5         2.00         5         1.00         5         9.00         9         2.00         6         0.00         5         9.00         9         9.00         9         9.00         8         9.00         9         9.00 </td <td>260</td> <td>2 5</td> <td>each</td> <td>٠١,</td> <td>sp 6</td> <td>_</td> <td>92.00</td> <td></td> <td>_</td> <td>io. 6</td> <td>+</td> <td></td> <td>-</td> <td></td> <td>200.00</td>	260	2 5	each	٠١,	sp 6	_	92.00		_	io. 6	+		-		200.00
Activation of Exercised States 1. Type 'A', Arrows         5         6.20         5         440.20         5         100.00         9         2.00         9	261	34	I.F.	- 1 -	A 6	$\rightarrow$	234.00	ㅗ		0 4	-	n 4	-		200.00
things, blac Zone (Green) \$ 10.00  shippe, Joseph White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shippe, Solid White, Class 1, Type Y, the Markey She Zone (Green) \$ 1.00  shipped She Zone (Green) \$ 1.00	292	89	T.F.		A 6	$\rightarrow$	409.2(	<u> </u>		0 4	-		-		200.00
Exping, Solid White, Class 1, Type 'A'         \$         1.15         \$         218.50         \$         1.00         \$         1.90.00         \$         2.00           Sping, Double Solid Vellow, Class 1, Type 'A'         \$         2.20         \$         2.00         \$         2.00         \$         2.00         \$         3.00           Alternate No. I - Subtoral         \$         1,150.00         \$         2,200.10         \$         2,000.00         \$         1,500.00           Dilization         Activation         \$         2,504.646.61         \$         2,908.19         \$         1,500.00           1.8-Buil Drawings         \$         2,509.10         \$         2,509.10         \$         2,908.19         \$         1,500.00           1.8-Buil Drawings         \$         2,500.00         \$         2,500.00         \$         2,500.00         \$         1,500.00           1.8-Buil Drawings         \$         2,500.00         \$         2,500.00         \$         2,500.00         \$         1,500.00           1.8-Buil Drawings         \$         3,750.00         \$         2,500.00         \$         7,500.00         \$         7,500.00           550 Watermain         10<	264	115	s.f.i.p.	Permanent Traffic Markings, Bike Zone (Gre	÷ 69	$\rightarrow$	1.256.95	-			_		-	1	725.00
éping, Double Solid Vellow, Class I, Type 'A'         \$ 2.30         \$ 2.30.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00           Alternate No. 1 - Subroral         \$ 1,150.00         \$ 2,300.00         \$ 1,000.00         \$ 2,000.00         \$ 1,500.00           Application         Alternate No. 1 - Subroral         \$ 1,150.00         \$ 2,000.10         \$ 2,000.00         \$ 1,500.00         \$ 1,500.00           bilization         \$ 2,500.10         \$ 2,500.10         \$ 2,500.10         \$ 2,500.00         \$ 1,500.00         \$ 1,500.00           se-Built Drawings         \$ 2,500.10         \$ 2,500.10         \$ 2,500.00         \$ 2,500.00         \$ 1,500.00         \$ 1,500.00           Met Installation         \$ 1,670.13         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00           350 Watermain         \$ 1,679.13         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00           350 Watermain         \$ 1,679.13         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00         \$ 1,500.00           350 Watermain         \$ 2,500.00         \$ 2,500.00         \$ 2,500.00         \$ 2,500.00         \$ 1,500.00         \$ 1,000.00           350 Waterma	265	190	].f.		. 69	+	218.50	$\vdash$	-		$\vdash$	69:	+		380.00
TOTAL BASE BID + ALTERNATE No. 1         \$ 1,150.00         \$ 2,300.00         \$ 1,000.00         \$ 1,500.00         \$ 1,000.00 <td>266</td> <td>100</td> <td>1.f.</td> <td>Permanent Traffic Striping, Double Solid Yellow, Class 1, Type 'A'</td> <td>S</td> <td>Н</td> <td>230.00</td> <td><math>\vdash</math></td> <td><math>\vdash</math></td> <td>60</td> <td>-</td> <td>(A)</td> <td><math>\vdash</math></td> <td></td> <td>300.00</td>	266	100	1.f.	Permanent Traffic Striping, Double Solid Yellow, Class 1, Type 'A'	S	Н	230.00	$\vdash$	$\vdash$	60	-	(A)	$\vdash$		300.00
Alternate No. 1 - Subtoral         \$ 187,254.56         \$         171,949.02         \$           bilization         \$ 2,509.10         \$ 2,504.10         \$ 2,504.10         \$ 2,506.00         \$ 13,000.00           tabulit Drawings         \$ 4,025.00         \$ 4,025.00         \$ 9,500.00         \$ 7,500.00         \$ 7,000.00           tabulit Drawings         \$ 1,679.13         \$ 1,679.13         \$ 7,500.00         \$ 7,500.00         \$ 7,000.00           sker Installation         \$ 1,679.13         \$ 1,679.13         \$ 7,500.00         \$ 7,500.00         \$ 7,000.00           skey Installation         \$ 1,679.13         \$ 1,679.13         \$ 7,500.00         \$ 7,500.00         \$ 7,000.00           skey Vatermain (LA)         \$ 1,679.13         \$ 1,609.13         \$ 7,500.00         \$ 7,500.00         \$ 7,000.00           skevic Watermain (LA)         \$ 1,679.13         \$ 1,679.13         \$ 1,500.00         \$ 7,000.00         \$ 7,000.00           skevic Watermain (LA)         \$ 1,670.13         \$ 1,600.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00           skevic Watermain (LA)         \$ 1,670.13         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00           ox and Valve with Valve Box         \$ 1,000.00         \$ 1,500.00         \$ 1,500.00<	267	2	each	Permanent Traffic Signage, Posts, Base, and Other Necessary Appurtenances	60-	-	2,300.00		-		-		-	3	3,000.00
TOTAL BASE BID + ALTERNATE No. 1         \$ ,841,640.61         \$ ,941,640.61					69		187,254.50	$\rightarrow$		171	-			264,	264,203.00
bilization  \$ 2,509.10 \$ 2,509.10 \$ 2,908.19 \$ 2,908.19 \$ 13,000.00  \$ 4,025.00 \$ 4,505.00 \$ 5,500.00 \$ 5,500.00 \$ 5,000.00  \$ 5,750.00 \$ 5,750.00 \$ 7,500.00 \$ 7,500.00 \$ 7,500.00  \$ 1,679.13 \$ 1,500.00 \$ 1,500.00 \$ 7,500.00  \$ 1,679.13 \$ 48,924.00 \$ 7,500.00 \$ 1,500.00 \$ 7,000.00  \$ 1,679.13 \$ 48,924.00 \$ 7,500.00 \$ 1,500.00 \$ 7,000.00  \$ 1,679.13 \$ 48,924.00 \$ 7,500.00 \$ 1,500.00 \$ 7,000.00  \$ 1,679.13 \$ 48,924.00 \$ 7,500.00 \$ 1,500.00 \$ 7,000.00  \$ 1,679.13 \$ 1,679.13 \$ 1,500.00 \$ 1,500.00 \$ 1,000.00  \$ 1,679.13 \$ 1,679.13 \$ 1,500.00 \$ 1,500.00 \$ 1,000.00  \$ 1,670.13 \$ 1,000.00  \$ 1,670.				TOTAL B	69-		5,841,640.61			6,474		4		8,220,	8,220,186.00
1         1s. Mobilization & Demobilization         S 250910         \$ 2,509.10         \$ 1,500.00         \$ 1,000.00         \$ 1,500.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00	Alternate	No. 2 - W	/atermair	along Capstone Drive		- 1-			- H		- 1-		- H		
1         1.S.         Construction Layout         \$ 4,025.00         \$ 4,025.00         \$ 7,500.00         \$ 7,500.00         \$ 7,500.00           1         1.S.         GPs of Utilities and As-Built Drawings         \$ 5,750.00         \$ 7,500.00         \$ 7,500.00         \$ 7,500.00           1         1.S.         UA Bronze Utility Marker Installation         \$ 1,679.13         \$ 1,679.13         \$ 1,500.00         \$ 7,500.00         \$ 7,500.00         \$ 7,000.00           450         1.E.         8" Ductile Iron Class 350 Watermain         \$ 1,679.13         \$ 1,679.13         \$ 1,679.13         \$ 7,500.00         \$ 7,000.00         \$ 7,000.00         \$ 7,000.00           70         1.E.         6" Ductile Iron Class 350 Watermain (Gty)         \$ 8,020.00         \$ 8,020.00         \$ 7,000.00	300	-	l.s.	Mobilization & Demobilization	60-	$\rightarrow$	2,509.10		-		_		$\rightarrow$	13,	13,000.00
1. I.s.         UA Bronze Utility Marker Installation         \$ 1,679.13         \$ 1,679.13         \$ 1,500.00         \$ 500.00           450         1.f.         8" Ductile Iron Class 350 Watermain         \$ 1,679.13         \$ 1,679.13         \$ 1,500.00         \$ 500.00           70         1.f.         8" Ductile Iron Class 350 Watermain         8 3,619.50         \$ 200.00         \$ 200.00           60         1.f.         2" Type "K" Copper Service Watermain (City)         \$ 55.11         \$ 3,606.60         \$ 41.87         \$ 2,512.20         \$ 100.00           20         1.f.         2" Type with Valve Box         \$ 22,601.8         \$ 2,501.00         \$ 2,663.9         \$ 4,676.00         \$ 100.00           1         cach 8" Valve with Valve Box         \$ 22,601.8         \$ 4,253.8         \$ 5,047.6         \$ 10,000.00           1         cach 10" x8" Tapping Sleeve and Valve with Valve Box         \$ 6,425.83         \$ 5,264.7         \$ 10,000.00           1         cach 10" x8" Tapping Sleeve and Valve with Valve Box         \$ 1,112.18         \$ 1,12.18         \$ 1,12.18         \$ 1,20.20         \$ 1,000.00           1         cach 10" x8" Tapping Sleeve and Valve with Valve Box         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00         \$ 1,000.00 <td>307</td> <td>-</td> <td>L.S.</td> <td>Construction Layout GPS of Hillifies and As-Built Drawings</td> <td>n- 60</td> <td>-</td> <td>5.750.00</td> <td></td> <td>-</td> <td></td> <td>_</td> <td></td> <td>+</td> <td>0 7</td> <td>2,000.00</td>	307	-	L.S.	Construction Layout GPS of Hillifies and As-Built Drawings	n- 60	-	5.750.00		-		_		+	0 7	2,000.00
450         1.f.         8" Ductile Iron Class 350 Watermain         \$ 108.72         \$ 48,924.00         \$ 74.71         \$ 35,619.50         \$ 200.00           70         1.f.         6" Ductile Iron Class 350 Watermain (Lity)         \$ 55.11         \$ 5,901.00         \$ 66.80         \$ 4,676.00         \$ 190.00           60         1.f.         2" Type "K" Copper Service Watermain (Lity)         \$ 55.11         \$ 3,306.60         \$ 41.87         \$ 2,512.20         \$ 10.00           20         1.f.         2" Class 200 PVC Service Watermain (UA)         \$ 5.26.13         \$ 3,306.60         \$ 41.87         \$ 2,512.20         \$ 140.00           20         1.f.         2" Class 200 PVC Service Watermain (UA)         \$ 22.60.18         \$ 2,503.6         \$ 47.50.8         \$ 110.00           2         cach         8" Valve with Valve Box         \$ 5,204.7         \$ 5,204.76         \$ 10,000.00           1         cach         8" Yalve with Valve Box         \$ 8,020.49         \$ 8,020.49         \$ 6,671.29         \$ 5,204.76         \$ 10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 10,682.09         \$ 11,112.18         \$ 11,112.18         \$ 11,112.18         \$ 11,112.18         \$ 11,112.18         \$ 11,112.18         \$ 1,112.18         \$ 1,112.18	303	-	8	UA Bronze Utility Marker Installation	60	-	1.679.1	_	-		-		-		500.00
70         Lf.         6"Ductide Iron Class 350 Watermain         \$         84.30         \$         5,901.00         \$         6.6.80         \$         4,676.00         \$         190.00           60         Lf.         2"Type "K" Copper Service Watermain (City)         \$         55.11         \$         3,306.60         \$         4.187         \$         2,512.20         \$         140.00           20         Lf.         2"Class 200 PVC Service Watermain (UA)         \$         2.260.18         \$         3,306.60         \$         4.187         \$         2,512.20         \$         140.00           2         cach         8" Tapping Sleeve and Valve with Valve Box         \$         2,260.18         \$         4,520.36         \$         2,563.91         \$         1,000.00           1         cach         8" R" Tapping Sleeve and Valve with Valve Box         \$         8,020.49         \$         6,425.83         \$         5,204.76         \$         10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$         19,682.09         \$         19,682.09         \$         19,682.09         \$         1,526.20         \$         1,500.00           1         cach         10" x 8" Tapping Slee	304	450	1.f.	8" Ductile Iron Class 350 Watermain	69	-	48,924.00	_	-		-		+	90	90,000.00
60         Lf.         2"Type "K" Copper Service Watermain (City)         \$         55.11         \$         3,306.60         \$         41.87         \$         2,512.20         \$         140.00           20         Lf.         2" Class 200 PVC Service Watermain (UA)         \$         37.35         \$         747.00         \$         2.563.91         \$         10.00           2         cach         8" Valve with Valve Box         \$         2,260.38         \$         2,563.91         \$         5,127.82         \$         10.00           1         cach         8" Tapping Sleeve and Valve with Valve Box         \$         6,425.83         \$         5,204.76         \$         10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$         8,020.49         \$         6,425.83         \$         5,204.76         \$         10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$         19,682.09         \$         19,682.09         \$         19,682.09         \$         19,682.09         \$         1,526.20         \$         12,000.00           1,000         lbs.         Watermain Fittings (Compact)         \$         1,112.18         \$	304A	70	1.f.	6" Ductile Iron Class 350 Watermain	60-	_	5,901.00	-	_		_		$\vdash$	13,	13,300.00
20         1.f.         2"Class 200 PVC Service Watermain (UA)         \$ 37.35         \$ 747.00         \$ 450.36         \$ 23.85         \$ 477.00         \$ 110.00           2         each         8" Valve with Valve Box         \$ 2,260.18         \$ 4,520.36         \$ 2,563.91         \$ 5,204.76         \$ 10,000.00           1         each         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 6,425.83         \$ 5,204.76         \$ 5,204.76         \$ 10,000.00           1         each         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 8,020.49         \$ 6,425.83         \$ 5,204.76         \$ 10,000.00           1         each         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 19,682.09         \$ 19,682.09         \$ 16,71.29         \$ 12,000.00           1         each         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 1,112.18         \$ 1,112.18         \$ 1,112.18         \$ 1,112.18         \$ 1,260.20         \$ 1,500.00           1         0.00         1bs.         Watermain Fittings (Compact)         \$ 1,112.18         \$ 1,112.18         \$ 1,260.20         \$ 1,500.00           5         10.00         1bs.         Watermain Fittings (Compact)         \$ 8,00         \$ 4,225.90         \$ 4,224.10         \$ 1,000.00           2         1	305	09	1.f.	2" Type "K" Copper Service Watermain (City)	69:	_	3,306.60		-		-		-	00	8,400.00
2         cach         8" Valve with Valve Box         \$ 2,260.18         \$ 4,520.36         \$ 2,563.91         \$ 5,127.82         \$ 3,000.00           1         cach         8" X" Tapping Sleeve and Valve with Valve Box         \$ 6,425.83         \$ 5,204.76         \$ 5,204.76         \$ 10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 8,020.49         \$ 6,425.83         \$ 5,204.76         \$ 10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 1,968.20         \$ 19,682.00         \$ 1,817.17         \$ 12,000.00           1         cach         2" Saddle Connection with Valve and Valve Box         \$ 1,112.18         \$ 1,126.20         \$ 1,500.00           1,000         lbs.         Watermain Fittings (Compact)         \$ 1,112.18         \$ 1,126.20         \$ 2,000.00           1,000         lbs.         Watermain Fittings (Compact)         \$ 8,870.00         \$ 9,420.00         \$ 15.00.00           50         l.f.         Grout Fill of Abandoned Existing Water Main         \$ 8,000.00         \$ 4,255.90         \$ 4,225.90         \$ 4,224.10         \$ 10,000.00           2         cach         End Line Restraint         \$ 1,000.00         \$ 1,000.83         \$ 1,005.83         \$ 2,011.66         \$ 3,500.00	306	20	1.f.	2" Class 200 PVC Service Watermain (UA)	<b>6</b> 4÷	-	747.00	-	Н		-		-	2	2,200.00
1         each         8" x 8" Tapping Sleeve and Valve with Valve Box         \$ 6,425.83         \$ 5,204.76         \$ 5,204.76         \$ 10,000.00           1         cach         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 8,020.49         \$ 6,671.29         \$ 6,671.29         \$ 12,000.00           1         cach         16" x 8" Tapping Sleeve and Valve with Valve Box         \$ 19,682.09         \$ 19,682.09         \$ 11,817.17         \$ 11,817.17         \$ 20,000.00           1         cach         16" x 8" Tapping Sleeve and Valve with Valve Box         \$ 1,112.18         \$ 1,526.20         \$ 12,000.00           1         cach         2" Saddle Connection with Valve and Valve Box         \$ 1,112.18         \$ 1,526.20         \$ 2,000.00           1         1000         1bs.         Watermain Fittings (Compact)         \$ 1,112.18         \$ 1,526.20         \$ 2,000.00           5         1.         6 cach         1.         1.         1.         \$ 1,526.20         \$ 1,000.00           5         1.         1.         1.         1.         1.         \$ 1,000.00         \$ 1,000.00           5         1.         1.         1.         1.         1.         1.         1.         1.           5         1.         1.	307	2	each	8" Valve with Valve Box	64	-	4,520.30	-	-		$\vdash$		-	6,	6,000.00
1         each         10" x 8" Tapping Sleeve and Valve with Valve Box         \$ 8,020.49         \$ 6,671.29         \$ 6,671.29         \$ 12,000.00           1         each         16" x 8" Tapping Sleeve and Valve with Valve Box         \$ 19,682.09         \$ 19,682.09         \$ 11,817.17         \$ 12,000.00           1         each         16" x 8" Tapping Sleeve and Valve with Valve and Valve Box         \$ 1,112.18         \$ 1,152.20         \$ 1,526.20         \$ 2,000.00           1,000         lbs. Watermain Fittings (Compact)         \$ 8,870.00         \$ 9,42         \$ 9,420.00         \$ 1,500.00           530         lf. Grout Fill of Abandoned Existing Water Main         \$ 8,000.00         \$ 4,255.00         \$ 4,225.00         \$ 4,224.10         \$ 1,000.00           2         each         End Line Restraint         \$ 1,026.36         \$ 1,005.83         \$ 2,011.66         \$ 1,000.00           5         each         Main Connection         \$ 1,026.36         \$ 5,131.80         \$ 4,125.00         \$ 3,500.00	307A	1	each	8" x 8" Tapping Sleeve and Valve with Valve Box	69:		6,425.83	$\rightarrow$	-		$\rightarrow$		_	10,	10,000.00
1         cach         16" x 8" Tapping Sleeve and Valve with Valve Box         \$ 19,682.09         \$ 11,817.17         \$ 11,817.17         \$ 20,000.00           1         cach         2" Saddle Connection with Valve and Valve Box         \$ 1,112.18         \$ 1,112.18         \$ 1,526.20         \$ 2,000.00           1,000         lbs.         Watermain Fittings (Compact)         \$ 8.87         \$ 8,870.00         \$ 9.42         \$ 9,420.00         \$ 15.00           530         l.f.         Grout Fill of Abandoned Existing Water Main         \$ 2,499.84         \$ 4,555.90         \$ 7.97         \$ 4,224.10         \$ 30.00           2         cach         End Line Restraint         \$ 1,026.36         \$ 1,005.83         \$ 2,011.66         \$ 1,000.00           5         cach         Main Connection         \$ 1,026.36         \$ 2,131.80         \$ 4,125.00         \$ 3,500.00	307B	1	each	10" x 8" Tapping Sleeve and Valve with Valve Box	69:	-	8,020.49	-	$\rightarrow$				$\rightarrow$	12,	12,000.00
1         each         2" Saddle Connection with Valve and Valve Box         \$ 1,112.18         \$ 1,526.20         \$ 1,526.20         \$ 2,000.00           1,000         lbs.         Watermain Fittings (Compact)         \$ 8.87         \$ 8,870.00         \$ 9.42         \$ 9,420.00         \$ 15.00           530         l.f.         Grout Fill of Abandoned Existing Water Main         \$ 8.03         \$ 4,255.00         \$ 7.97         \$ 4,224.10         \$ 30.00           2         each         End Line Restraint         \$ 1,026.36         \$ 1,026.36         \$ 1,005.83         \$ 2,011.66         \$ 1,000.00           5         each         Main Connection         \$ 1,026.36         \$ 5,131.80         \$ 825.00         \$ 4,125.00         \$ 3,500.00	307C	-	cach	16" x 8" Tapping Sleeve and Valve with Valve Box	<del>6</del> ₽	$\rightarrow$	19,682.05	$\rightarrow$	-		$\rightarrow$		-	20,	20,000.00
1,000         lbs.         Watermain Fittings (Compact)         \$ 8.87         \$ 8.870.00         \$ 9.420.00         \$ 15.00           530         Lf.         Grout Fill of Abandoned Existing Water Main         \$ 8.03         \$ 4,255.90         \$ 7.97         \$ 4,224.10         \$ 30.00           2         each         End Line Restraint         \$ 2,499.84         \$ 4,999.68         \$ 1,005.83         \$ 2,011.66         \$ 1,000.00           5         each         Main Connection         \$ 1,026.36         \$ 5,131.80         \$ 825.00         \$ 4,125.00         \$ 3,500.00	308	-	each		69=	_	1,112.18	-	$\rightarrow$		$\rightarrow$	2,0	$\rightarrow$	2,	2,000.00
530         Li. Grout Fill of Abandoned Existing Water Main         \$ 8.03         \$ 4,255.90         \$ 7.97         \$ 4,224.10         \$ 30.00           2         each         End Line Restraint         \$ 2,499.84         \$ 4,999.68         \$ 1,005.83         \$ 2,011.66         \$ 1,000.00           5         each         Main Connection         \$ 1,026.36         \$ 5,131.80         \$ 825.00         \$ 4,125.00         \$ 3,500.00	309	1,000	lbs.	Watermain Fittings (Compact)	60- 6	$\rightarrow$	8,870.00	-	-		+		-	15,	15,000.00
2 cach End Line Kestraint 3 4,797.04 \$ 4,797.05 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00 \$ 3,500.00 \$ 3,500.00	310	530	- F	Grout Fill of Abandoned Existing Water Main	<b>≠</b> 6	_	4,255.90	-	_		+		-+-	15,	15,900.00
5   cach   Main Connection   \$ 1,020.30   \$ 3,131.00   \$ 4,123.00   \$ 4,123.00   \$	311	7 4	each	End Line Restraint	e a	_	4,777.00	_					-	17,	2,000.00
	312	0	Cacti	Main Connection	9-	-	V1.1.0	9	_		_		1 oo.oo	1,	200.000

15,900.00	2,500.00	5,125.00	1,000.00	2,500.00	3,600.00	1,600.00	450.00	19,250.00	34,650.00	4,950.00	750.00	400.00	332,475.00	8,552,661.00		4,000.00	300,000,00	304,000.00	8,856,661.00
S	64	69:	60:	647-	647=	69:	S	S	69	(A)	<b>6</b>	8	33	8,5		S	\$ 3	3	8,
30.00	2,500.00	5,125.00	1,000.00	25.00	120.00	80.00	15.00	70.00	18.00	3.00	15.00	4.00				4,000.00	300.00		
6⁄3÷	64	69-	64-	6/9=	S	643	so-	60	(A)	(sq.	s GG:	69	€9-	69-		S	60	69-	49
3,784.20 \$	558.72	5,125.00	1.00	2,797.00	2,682.30	1,580.00	1,021.50	27,500.00 \$	19,538.75	11,649.00	475.00	292.00	189,825.36	6,664,767.89		1,500.00	200,000.00	201,500.00	6,866,267.89
69	69	69-	69-	S	60	s	69-	v.	6A:	643	t <b>&gt;</b> ∓	69-				60-	69-		
7.14	558.72	5,125.00	1.00	27.97	89.41	79.00	34.05	100.00	10.15	7.06	9.50	2.92				1,500.00	200.00		
s	6⁄3÷	69÷	S	60-	60-	69:	60	69:	6 <b>9</b> :	647:	69-	643	69-	69		69:	69:	69	69-
2,549.30	731.49	5,125.00	287.50	6,247.00	2,863.50	1,150.00	417.90	15,023.25	25,910.50	2,937.00	546.50	345.00	199,994.10	6,041,634.71		575.00	216,230.00	216,805.00	6,258,439.71
69-	69:	69-	64	69-	69-	69:	69-	6A	(A)	64	S	s				(s)	60-	-	
4.81	731.49	5,125.00	287.50	62.47	95.45	57.50	13.93	54.63	13.46	1.78	10.93	3.45				575.00	216.23		
<b>6</b> 9-	69:	6P=	6 <b>₽</b> 3÷	69:	69:	69:	64	6A÷	649	69	69:	64	€9-	69		(A)	69-	€9-	69
Watermain Disinfecting and Testing	Installation of 2" Domestic Meter Assembly with PRV (English Bldg)	Allowance: Purchase of City of Tuscaloosa 2" Domestic Meter Assembly with PRV (English Bldg)	Overhead and Profit for Purchase of City of Tuscaloosa 2" Domestic Meter Assembly with PRV Allowance (Baglish Bldg)	Saw-Cut and Removal of Existing Exterior Asphalt or Concrete Surfaces	s.y.i.p. Concrete Sidewalk	6" Curb	Crushed Aggregate Limestone Base Course, ALDOT 825 Type "B" (Sidewalk and Concrete Pavement Areas) (4" Compacted Thickness)	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E (440 lb/sy) (Includes tack coat)	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 3/8" Maximum Aggregate Size Mix, ESAL Range C/D (165 lb/sy) (Includes Tack Coat)	s.y.i.p. Milling of Existing Asphalt	s.y.i.p. Solid Sod	s.y.i.p. Landscape Mulch	Alternate No. 2 Subtotal	TOTAL BASE BID + ALTERNATE No. 1 + ALTERNATE No. 2	Alternate No. 3 - Grout Fill of Abandoned Steam Tunnel	Mobilization & Demobilization	c.y.i.p. Abandoned Steam Tunnel Filled with Low Strength Grout	Alternate No. 3 Subtotal	TOTAL BASE BID + ALTERNATE No. 1 + ALTERNATE No. 2 + ALTERNATE No. 3
l.f.	each	l.s.	l.s.	s.y.i.p.	3.y.i.p.	. 1.f. (	s.y.i.p.	s.y.i.p.	s.y.i.p.	.y.i.p. 1	.y.i.p.	.y.i.p. 1			ut Fill o	1.s.e	.y.i.p.		SASE B
530	1	1	1	100 s	30 s	20	30	275	1,925 s	1,650 s	50 s	100 s			No. 3 - Gro	-	1000		TOTAL E
313	314	315	316	317	318	319	320	321	322	323	324	325			Iternate	350	351		

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.

ason L. Coker, P.E.

ice President / Secretary / Treasurer Duncan Coker Associates, P.C.

Sworn to and subscribed before me this 28th day of February 2024.



# INFRASTRUCTURE AND ENHANCEMENTS PACKAGE A - SUMMER 2024 **COLONIAL DRIVE AND UNIVERSITY BOULEVARD**

## **LOCATION MAP**



# INFRASTRUCTURE AND ENHANCEMENTS PACKAGE B - SUMMER 2025 **COLONIAL DRIVE AND UNIVERSITY BOULEVARD**

## **LOCATION MAP**

