

City of Fayetteville Staff Review Form

2019-0986

Legistar File ID

1/21/2020

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Summer Fallen

12/31/2019

AIRPORT SERVICES (760)

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Staff requests that the Mayor allow the Aviation Division to execute Task Order 13 in the amount of \$109,800 with Garver, LLC to complete design and bidding services for the proposed HVAC Replacement in the terminal building at Fayetteville-Drake Field Airport, and to process a budget adjustment.

Budget Impact:

5550.760.3960-5314.00	Airport																								
Account Number	Fund																								
15029.1	Airport Engineering Consultant Services																								
Project Number	Project Title																								
<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Budgeted Item?</td> <td style="width: 10%; text-align: center;">Yes</td> <td style="width: 30%; border-bottom: 1px solid black;">Current Budget</td> <td style="width: 10%; text-align: right;">\$</td> <td style="width: 10%; text-align: right;">14,751.00</td> </tr> <tr> <td></td> <td></td> <td style="border-bottom: 1px solid black;">Funds Obligated</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td style="border-bottom: 1px solid black;">Current Balance</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">14,751.00</td> </tr> </table>	Budgeted Item?	Yes	Current Budget	\$	14,751.00			Funds Obligated					Current Balance	\$	14,751.00	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%; border-bottom: 1px solid black;">Item Cost</td> <td style="width: 10%; text-align: center;">\$</td> <td style="width: 10%; text-align: right;">109,800.00</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Budget Adjustment</td> <td style="text-align: center;">\$</td> <td style="text-align: right;">95,049.00</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Remaining Budget</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">-</td> </tr> </table>	Item Cost	\$	109,800.00	Budget Adjustment	\$	95,049.00	Remaining Budget	\$	-
Budgeted Item?	Yes	Current Budget	\$	14,751.00																					
		Funds Obligated																							
		Current Balance	\$	14,751.00																					
Item Cost	\$	109,800.00																							
Budget Adjustment	\$	95,049.00																							
Remaining Budget	\$	-																							
<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Does item have a cost?</td> <td style="width: 10%; text-align: center;">Yes</td> </tr> <tr> <td>Budget Adjustment Attached?</td> <td style="text-align: center;">Yes</td> </tr> </table>	Does item have a cost?	Yes	Budget Adjustment Attached?	Yes																					
Does item have a cost?	Yes																								
Budget Adjustment Attached?	Yes																								

V20180321

Purchase Order Number: _____

Previous Ordinance or Resolution # _____

Change Order Number: _____

Approval Date: _____

Original Contract Number: _____

Comments:



TO: Lioneld Jordan, Mayor

THRU: Don Marr, Chief of Staff
Staff/Contract Review Committee

FROM: Summer Fallen, Airport Services Manager

DATE: January 21, 2020

SUBJECT: FYV HVAC Replacement -Design and Bidding Task Order (Garver)

RECOMMENDATION:

Staff requests that the Mayor allow the Aviation Division to execute Task Order 13 in the amount of \$109,800 with Garver, LLC to complete design and bidding services for the proposed HVAC Replacement in the terminal building at Fayetteville – Drake Field Airport, and to process a budget adjustment.

BACKGROUND:

The HVAC in the terminal building at Fayetteville – Drake Field Airport is original to the building, which was constructed in 1978. Since that time, the terminal building has undergone numerous renovations including, but not limited to repurposing of the baggage handling area into a meeting room, removal of the commercial kitchen and restaurant, addition of a pilot lounge, and the enclosure of a large portion of the original open lobby to make additional offices for airport personnel and outside business which moved into the facility. These renovations have led to an inefficient patchwork HVAC system with outdated controls.

In 2017, the Airport Division received a Federal Aviation Administration (FAA) grant to perform an energy assessment of the terminal building. The assessment recommended replacement of both the HVAC system and the boilers in the terminal building. In 2018, the Airport Division received an Arkansas Department of Aeronautics (ADA) grant to replace the boiler system. In the same year, the Airport Division also updated the Airport's five-year Capital Improvements Plan (CIP) with the FAA to include a full replacement of the HVAC system in the terminal building, including ductwork and controls.

On November 22, 2019, Fayetteville – Drake Field was selected by the FAA to receive supplemental appropriation in the amount of \$1,125,000 for the proposed HVAC Replacement project. This funding was outside of the typical FAA funding allowances, and Fayetteville – Drake Field was one of only 133 Airports in the US to receive the grant.

DISCUSSION:

The FAA has issued a Notice of Intent to award a grant of up to \$1,125,000 (90% of the total project costs) to the Airport to support the proposed HVAC Replacement project. All costs associated with the Task Order 13 will be included in the upcoming FAA grant. The Airport will

submit a grant application to the ADA for the remaining 10% of the project costs at the completion of the project.

The project will advertise for bids in Spring 2020. An FAA grant application for 90% of all project costs (design, bidding, and construction) will be submitted for Council approval in late Spring 2020 based upon the bid received from the lowest responsive and responsible bidder.

Upon receipt of an FAA grant offer in Summer 2020, the Airport Division will seek approval from Council to execute the grant offer, execute a construction contract with the lowest responsive and responsible bidder, and execute a construction phase services task order with Garver. Below is a summary of the anticipated costs and funding breakdown for each upcoming grant.

BUDGET/STAFF IMPACT:

<i>Administration and Other Costs</i> *	\$9,200.00		
Garver Task Order 13 (Design and Bidding):	\$109,800.00	FAA:	\$1,125,000.00
Garver Task Order 14 (Construction Phase Svcs)*:	\$71,000.00	ADA:	\$125,000.00
Construction Contract*	\$1,060,000.00	City:	\$0.00
TOTAL:	\$1,250,000.00	TOTAL:	\$1,250,000.00

*Amounts are estimated at this time.

Attachments:

Staff Review Form
City Council Memo
Garver Task Order 13
Budget Adjustment

APPENDIX A-13

**TASK ORDER 13
FAYETTEVILLE – DRAKE FIELD AIRPORT
HVAC REPLACEMENT**

This TASK ORDER is made as of _____, 2020 by and between the CITY OF FAYETTEVILLE of Fayetteville, Arkansas hereinafter referred to as “CITY OF FAYETTEVILLE,” and GARVER, LLC, hereinafter referred to as “GARVER”, in accordance with the provisions of the AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES executed on April 21, 2015.

Under this Task Order, the CITY OF FAYETTEVILLE intends to make the following improvements for the FYV HVAC Replacement project.

Replacement of the existing chiller system, ducting, and controls for the terminal building at the Airport.

GARVER will provide professional services related to these improvements as described herein.

SECTION 1 - SCOPE OF SERVICES

GARVER will provide services as detailed in Exhibit A-13.

SECTION 2 – PAYMENT

For the work described under SECTION 1 - SCOPE OF SERVICES, the CITY OF FAYETTEVILLE will pay GARVER on a lump sum basis.

The table below presents a summary of the fee amounts and fee types for this contract.

WORK DESCRIPTION	FEE AMOUNT	FEE TYPE
Preliminary Engineering Report	\$14,400	Lump Sum
Preliminary Design	\$62,500	Lump Sum
Final Design	\$22,800	Lump Sum
Bidding Services	\$10,100	Lump Sum
TOTAL FEE	\$109,800	

The lump sum amount to be paid under this agreement is \$109,800. For informational purposes, a breakdown of GARVER's estimated costs is included in Exhibit B-13 with approximate current hourly rates for each employee classification.

Additional Services (Extra Work). For work not described or included in Section 1 – Scope of Services but requested by the CITY OF FAYETTEVILLE in writing, the CITY OF FAYETTEVILLE will pay GARVER, for time spent on the project, at the rates shown in Exhibit B-13 for each classification of GARVER's personnel, plus overhead, plus 15% profit, plus reimbursable expenses including but not limited to printing, courier service, reproduction, and travel.

SECTION 3 –EXHIBITS

3.1 The following Exhibits are attached to and made a part of this Agreement:

3.1.1 Exhibit A-13 Scope of Services

3.1.2 Exhibit B-13 Manhour Tables

This Agreement may be executed in two (2) or more counterparts each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Approval and acceptance of this Task Order, including attachments listed in SECTION 3 –EXHIBITS, shall incorporate this document as part of the Agreement. Garver is authorized to begin performance upon receipt of a copy of this Task Order signed by the CITY OF FAYETTEVILLE. The effective date of this Task Order shall be the last date written below.

CITY OF FAYETTEVILLE, ARKANSAS

GARVER

By : _____
Mayor, Lioneld Jordan

By: _____
Digitally signed by
Michael J. Griffin
Date: 2019.12.31
10:00:25-06'00'

ATTEST:

By: _____
City Clerk

Title: _____ Senior Vice President



**EXHIBIT A-13 – SCOPE OF SERVICES
FAYETTEVILLE – DRAKE FIELD AIRPORT
HVAC REPLACEMENT**

2.1 General

Generally, the scope of services includes design and bidding services for improvements to Fayetteville – Drake Field Airport. Improvements will consist primarily of replacement of the existing chiller system, ducting, and controls for the terminal building at the Airport.

2.2 Preliminary Engineering Report

As part of the preliminary engineering report, Garver will complete the following:

2.2.1 Records Research

Garver will review the record drawings for the existing terminal facility, including renovations to the facility since its original construction in the 1970s, in order to develop an existing conditions base map for the project.

2.2.2 Site Survey

Garver will conduct a site investigation as required to facilitate design efforts and augment information not provided or outdated through review of previous record documents. The site survey shall be performed by a senior mechanical engineering project manager.

2.2.3 Alternatives Analysis

Garver will develop an alternatives analysis comparing a ground source heat pump (geothermal) system and a traditional chilled water system. As part of the analysis, Garver will review initial construction cost, long-term maintenance costs, and expected equipment life to determine the most economical life-cycle cost.

2.2.4 Coordination with Utility

Garver will coordinate with the City of Fayetteville’s electric utility provider and the City of Fayetteville’s sustainability coordinator to review energy reduction rebate program incentives. Any rebate opportunities will be included in the life-cycle cost analysis described in Section 2.2.3.

2.2.5 Report Development

Garver will prepare a preliminary engineering report with the following sections:

- Project Background
- Records Research
- Site Survey and Preconstruction Photographs



- Alternatives Analysis
- Design Recommendation
- Engineers Estimate of Probable Project Cost

2.2.6 City of Fayetteville Review Meeting

Garver will hold a review meeting with the City of Fayetteville to review the recommendation of the preliminary engineering report. Garver will also receive feedback from the City of Fayetteville's facilities division regarding maintenance practices to ensure that the recommendation for design can be maintained by City staff.

2.3 **Design Services**

2.3.1 General

Garver will prepare detailed construction drawings, specifications, instructions to bidders, general provisions and special provisions, all based on guides furnished to Garver by the City of Fayetteville and FAA. Contract Documents (Plans, Specifications, and Estimates) will be prepared for award of one (1) construction contract. These designs shall conform to the standards of practice ordinarily used by members of Garver's profession practicing under similar conditions and shall be submitted to the FAA office from which approval must be obtained. Detailed specifications shall be developed using FAA "Standards for Specifying Construction for Airports" AC 150/5370-10 (latest edition) or other appropriate standards approved for use by the FAA. A specimen copy of the General Provisions and applicable prevailing wage rates will be obtained by Garver from the Department of Labor as appropriate for incorporation into the specifications for the proposed project.

2.3.2 Quality Control

Garver will establish a Quality Control Plan (QCP) for the project. The QCP will outline schedules, project goals, and team member responsibilities. Garver will also provide QC reviews at the preliminary and final design stages. Weekly internal progress meetings will be held during the preliminary and final design phases to ensure adequate quality control throughout the design phases.

2.3.3 Site Visits

Garver mechanical, electrical, and civil engineers will make one (1) site visit during the design phase to confirm design conditions.

2.3.4 Environmental Coordination

Garver will work with the FAA in order to obtain a categorical exclusion for the project. Coordination will include completion of a documented CATEX questionnaire in accordance with FAA SOP No. 5.00 and submission to the FAA's environmental specialist for approval.



2.3.5 Mechanical Design

Garver will design of replacement of the existing Terminal Building HVAC systems in their entirety, excluding the replacement of the existing hot water boilers, which have already been replaced under separate contract. This includes design of the new mechanical systems, as well as design of any incidental electrical, plumbing and architectural modifications required as a result of the mechanical renovation work. No structural modifications are anticipated as part of this project.

2.3.6 Construction Phasing

Garver will prepare construction phasing plans and, if necessary, temporary HVAC considerations for the duration of the construction project. Construction phasing will be coordinated with the City of Fayetteville to minimize the impact of construction on terminal operations. The City of Fayetteville will coordinate with tenants as needed to determine tenant needs during construction.

2.4 **Preliminary Design**

2.4.1 Preliminary Plans & Engineer's Report

Garver will develop preliminary plans and engineer's report and submit these to the City of Fayetteville and FAA for review. Preliminary plans are expected to be approximately 65% of the final bid package.

2.4.2 Preliminary Review Meeting

Garver will meet with the City of Fayetteville to review the preliminary plans and engineer's report and to receive City of Fayetteville comments and direction. Garver will submit the preliminary plans and engineer's report to the FAA after incorporating any City of Fayetteville comments.

2.5 **Final Design**

2.5.1 Final Plans, Specifications, & Engineer's Report

Garver will incorporate any FAA comments from the preliminary review and will prepare for final publication of documents. Garver will furnish plans, specifications, and Engineer's Report to the City of Fayetteville and FAA.

2.6 **Bidding Services**

Garver will assist the City of Fayetteville in advertising for and obtaining bids or negotiating proposals for one prime contract for construction, materials, equipment and services; and, where applicable, maintain a record of prospective bidders to whom Bidding Documents have been issued, and attend a pre-bid conference Documents. The City of Fayetteville will pay advertising costs outside of this contract. Garver will issue addenda as appropriate to interpret, clarify or expand the Bidding Documents. Garver will consult with and advise the City of Fayetteville as to the acceptability of subcontractors, suppliers and other persons and organizations proposed by the prime contractor(s) (herein called "Contractor(s)") for those portions of the work as to which such acceptability is required by the Bidding Documents. Garver will consult with the City of Fayetteville concerning and determine the acceptability of substitute materials and equipment proposed by Contractor(s) when substitution prior to the award of contracts is allowed by the Bidding



Documents. Garver will attend the bid opening, prepare bid tabulation sheets and assist the City of Fayetteville in evaluating bids or proposals and in assembling and awarding contracts for construction, materials, equipment and services. Garver will assist the City of Fayetteville in the execution of all contract documents and furnish a sufficient number of executed documents for the City of Fayetteville, Contractor and FAA. Garver will assist the City of Fayetteville in the developing of an FAA Grant Application based on the lowest responsive bidder.

2.7 Construction Phase Services

To be added via separate task order.

2.8 Project Deliverables

The following will be submitted to the City of Fayetteville, or others as indicated, by Garver:

1. One copy of the Preliminary Engineering Report to the City of Fayetteville and FAA.
2. One copy of the Preliminary Design Documents to the City of Fayetteville and FAA.
3. One copy of the Final Design Documents to the City of Fayetteville and FAA.
4. Three copies of the Final Plans and Specifications to the Awarded Contractor.
5. Electronic files as requested.

2.9 Extra Work

The following items are not included under this agreement but will be considered as extra work:

1. Redesign for the City of Fayetteville's convenience or due to changed conditions after previous alternate direction and/or approval.
2. Boundary survey or geotechnical investigation of project site.
3. Radon testing or design for radon mitigation.
4. Design of architectural, structural, civil, mechanical, fire protection, plumbing, or electrical components or systems other than mentioned above.
5. Performance of additional work not mentioned under the Scope of Work, including structural survey, hazardous material survey/testing, commissioning, equipment or material testing and balancing, or producing a construction waste management plan.
6. Efforts related to asbestos/lead/PCB/hazardous materials testing or abatement.
7. Paying of construction permit fees.
8. Developing Operations and Maintenance (O & M) manuals.
9. LEED design or any LEED related efforts.
10. Furniture, Furnishings & Equipment design (FF&E) or efforts related to the temporary relocation of occupants and/or furnishings during construction.
11. Ground thermal conductivity testing for a geothermal system. If necessary, testing will be performed by the Contractor prior to construction of the system.
12. Submittals or deliverables in addition to those listed herein.
13. Design of any utilities relocation.
14. Retaining walls or other significant structural design.
15. Environmental Handling and Documentation, including wetlands identification or mitigation plans or other work related to environmentally or historically (culturally) significant items.



16. Coordination with FEMA and preparation/submittal of a CLOMR and/or LOMR.

Extra Work will be as directed by the City of Fayetteville in writing for an additional fee as agreed upon by the City of Fayetteville and Garver.

2.10 Schedule

Garver shall begin work upon execution of this task order and shall complete the work within a mutually agreeable schedule with the City of Fayetteville.

EXHIBIT B-13

**FAYETTEVILLE - DRAKE FIELD
HVAC REPLACEMENT**

PRELIMINARY ENGINEERING REPORT

WORK TASK DESCRIPTION	E-5	E-4	E-3	E-2	E-1	D-1	T-1
	\$72.10	\$59.10	\$50.55	\$41.80	\$36.00	\$33.60	\$26.25
	hr	hr	hr	hr	hr	hr	hr
1. Civil Engineering							
2.2.1 Records Research		1			2		
2.2.2 Site Survey		1					
2.2.3 Alternatives Analysis		2					
2.2.4 Coordination with Utility		2			2		
2.2.5 Report Development		1			4		
2.2.6 City of Fayetteville Review Meeting		4					
Subtotal - Civil Engineering	0	11	0	0	8	0	0
2. Mechanical Engineering							
2.2.1 Records Research		4					
2.2.2 Site Survey		4					
2.2.3 Alternatives Analysis		4					
2.2.4 Coordination with Utility		4					
2.2.5 Report Development		16					
2.2.6 City of Fayetteville Review Meeting		4					
Subtotal - Mechanical Engineering	0	36	0	0	0	0	0
3. Electrical Engineering							
2.2.1 Records Research		4					
2.2.2 Site Survey		4					
2.2.4 Coordination with Utility		6					
2.2.5 Report Development		4					
Subtotal - Electrical Engineering	0	18	0	0	0	0	0
Hours	0	65	0	0	8	0	0
Salary Costs	\$0.00	\$3,841.50	\$0.00	\$0.00	\$288.00	\$0.00	\$0.00

SUBTOTAL - SALARIES: \$4,129.50

LABOR AND GENERAL ADMINISTRATIVE OVERHEAD \$8,140.48

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$57.52
Postage/Freight/Courier	\$0.00
Travel Costs (400 miles @ \$0.58/mile)	\$232.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$289.52

SUBTOTAL: \$12,559.50

SUBCONSULTANTS FEE: \$0.00

PROFESSIONAL FEE \$1,840.50

TOTAL FEE: \$14,400.00

EXHIBIT B-13

**FAYETTEVILLE - DRAKE FIELD
HVAC REPLACEMENT**

PRELIMINARY DESIGN

WORK TASK DESCRIPTION	E-5	E-4	E-3	E-2	E-1	D-1	T-1
	\$72.10	\$59.10	\$50.55	\$41.80	\$36.00	\$33.60	\$26.25
	hr	hr	hr	hr	hr	hr	hr
1. Civil Engineering							
2.3.1 General Design Services							
FAA General Provisions		1			2		
Construction Contract Documents		1			4		
City Special Provisions		1			4		
Coordination with City		8			2		
2.3.2 Quality Control Plan		1			2		
2.3.3 Site Visit		4					
2.3.4 Environmental Coordination		1					
2.3.5 Mechanical Design (Plan Review)		2					
2.3.6 Construction Phasing		1			2		
2.4.1 Preliminary Plans and Engineer's Report							
Cover Sheet and Index of Sheets		1			2		
General Notes Sheets		1			2		
Preliminary Engineer's Report Narrative		1			4		
Review Preliminary Plans and Estimate		1					
2.4.2 Preliminary Review Meeting		4					
Subtotal - Civil Engineering	0	28	0	0	24	0	0
2. Mechanical Engineering							
2.3.3 Site Visit		12					
2.3.5 Mechanical Design							
Verify Existing Building Envelope Conditions		4					
Mechanical Load Calculations		16					
Equipment Selection and Sizing		8					
Controls Review and Design		4					
2.3.6 Construction Phasing		4					
2.4.1 Preliminary Plans and Engineer's Report							
Mechanical Schedules and Legend Sheet		10				8	
Ductwork Demolition Sheets		8				8	
Piping Demolition Sheets		8				8	
Ductwork Installation Sheets		16				8	
Piping Installation Sheets		16				8	
Piping Diagram Sheets		4				4	
HVAC Detail Sheets		4				4	
HVAC Controls Sheets		8				4	
Preliminary Engineer's Report Narrative		2					
Technical Specifications		12					
Cost Estimate		8					
Quality Control Review		4					
2.4.2 Preliminary Review Meeting		4					
Subtotal - Mechanical Engineering	0	152	0	0	0	52	0

3. Electrical Engineering							
2.3.3 Site Visit		8					
2.3.5 Electrical Design							
Electrical Load Calculations		8					
Equipment Reviews and Sizing		4					
2.3.6 Construction Phasing		4					
2.4.1 Preliminary Plans and Engineer's Report							
Electrical Schedules and Legend Sheet		4				4	
Electrical Demolition Sheets		8				8	
Electrical Installation Sheets		8				8	
Electrical Details Sheets		4				4	
Preliminary Engineer's Report Narrative		2					
Technical Specifications		8					
Cost Estimate		4					
Quality Control Review		4					
2.4.2 Preliminary Review Meeting		4					
Subtotal - Electrical Engineering	0	70	0	0	0	24	0

Hours	0	250	0	0	24	76	0
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Salary Costs	\$0.00	\$14,775.00	\$0.00	\$0.00	\$864.00	\$2,553.60	\$0.00
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SUBTOTAL - SALARIES: \$18,192.60

LABOR AND GENERAL ADMINISTRATIVE OVERHEAD \$35,863.07

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$103.98
Postage/Freight/Courier	\$0.00
Travel Costs (400 miles @ \$0.58/mile)	\$232.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$335.98

SUBTOTAL: \$54,391.65

SUBCONSULTANTS FEE: \$0.00

PROFESSIONAL FEE \$8,108.35

TOTAL FEE: \$62,500.00

EXHIBIT B-13

**FAYETTEVILLE - DRAKE FIELD
HVAC REPLACEMENT**

FINAL DESIGN

WORK TASK DESCRIPTION	E-5	E-4	E-3	E-2	E-1	D-1	T-1
	\$72.10 hr	\$59.10 hr	\$50.55 hr	\$41.80 hr	\$36.00 hr	\$33.60 hr	\$26.25 hr
1. Civil Engineering							
2.5.1 Final Plans, Specifications, & Engineer's Report							
Coordination with FAA / City		4					
Review of FAA Comments		1			1		
Incorporation of FAA Comments		1			2		
Final Plans		2			4		
Final Engineer's Report		1			1		
Final Specifications		1			1		
Final Cost Estimate		1			1		
Quality Control Review		4					
Prepare Bid Documents for Publication		1					4
Subtotal - Civil Engineering	0	16	0	0	10	0	4
2. Mechanical Engineering							
2.5.1 Final Plans, Specifications, & Engineer's Report							
Review of FAA Comments		2					
Incorporation of FAA Comments		4					
Final Plans		24				24	
Final Engineer's Report		2					
Final Specifications		4					
Final Cost Estimate		2					
Quality Control Review		4					
Subtotal - Mechanical Engineering	0	42	0	0	0	24	0
3. Electrical Engineering							
2.5.1 Final Plans, Specifications, & Engineer's Report							
Review of FAA Comments		2					
Incorporation of FAA Comments		4					
Final Plans		8				12	
Final Engineer's Report		2					
Final Specifications		4					
Final Cost Estimate		2					
Quality Control Review		4					
Subtotal - Electrical Engineering	0	26	0	0	0	12	0
Hours	0	84	0	0	10	36	4
Salary Costs	\$0.00	\$4,964.40	\$0.00	\$0.00	\$360.00	\$1,209.60	\$105.00
SUBTOTAL - SALARIES:		\$6,639.00					

LABOR AND GENERAL
ADMINISTRATIVE OVERHEAD **\$13,087.46**

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly \$94.57
Postage/Freight/Courier \$0.00
Travel Costs \$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: **\$114.57**

SUBTOTAL: **\$19,841.03**

SUBCONSULTANTS FEE: **\$0.00**

PROFESSIONAL FEE **\$2,958.97**

TOTAL FEE: **\$22,800.00**

EXHIBIT B-13

**FAYETTEVILLE - DRAKE FIELD
HVAC REPLACEMENT**

BIDDING SERVICES

WORK TASK DESCRIPTION	E-5	E-4	E-3	E-2	E-1	D-1	T-1
	\$72.10	\$59.10	\$50.55	\$41.80	\$36.00	\$33.60	\$26.25
	hr	hr	hr	hr	hr	hr	hr
1. Civil Engineering							
Requests for Information		4			2		
Addendums		4			2		
Pre-Bid Meeting		6					
Bid Opening		4					
Prepare bid tabulation		1			2		
Evaluate bids and recommend award		1			4		
FAA Grant Application		2			8		
Prepare construction contracts		1			1		4
Subtotal - Civil Engineering	0	23	0	0	19	0	4
2. Mechanical Engineering							
Requests for Information		4					
Addendums		2					
Pre-Bid Meeting (Telecon)		2					
Subtotal - Mechanical Engineering	0	8	0	0	0	0	0
3. Electrical Engineering							
Requests for Information		2					
Addendums		1					
Pre-Bid Meeting (Telecon)		2					
Subtotal - Electrical Engineering	0	5	0	0	0	0	0

Hours	0	36	0	0	19	0	4
Salary Costs	\$0.00	\$2,127.60	\$0.00	\$0.00	\$684.00	\$0.00	\$105.00

SUBTOTAL - SALARIES: \$2,916.60

**LABOR AND GENERAL
ADMINISTRATIVE OVERHEAD \$5,749.49**

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly	\$93.99
Postage/Freight/Courier	\$20.00
Travel Costs	\$20.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$133.99

SUBTOTAL: \$8,800.08

SUBCONSULTANTS FEE: \$0.00

PROFESSIONAL FEE \$1,299.91

TOTAL FEE: \$10,100.00