

**ADAMS COUNTY
TASK ORDER FOUR
Airport Engineering Services**

Date: March 12, 2019
Master Agreement #RFQ 2016-303

Task Order Four #: 2019.226
Requisition #: Pending


In accordance with the above mentioned Master Agreement between Adams County Colorado, and **JVIATION INC.**, dated November 22, 2016 and Task Orders One through Three, the provisions of the Agreement and any Amendments thereto affected by this Task Order are modified as follows:

1. **Task Order Description.** Contractor shall perform A/E consultation Services as listed in Contractor's Fee/Cost proposal dated January 19, 2019 to construct new Taxiway A8 from Taxiway A on the east side of the existing hangar area for Colorado Air and Space Port, which is incorporated by reference herein in accordance with the provisions of the Master Agreement #RFQ 2016.303, Task Order One #2017.343, Task Order Two #2018.328, and Task Order Three #2018.385.
2. **Cost.** The maximum amount payable by the County for performance of Task Order Four is **\$89,113.00**. The total Agreement value including all previous Amendments, Task Orders, etc., is in the amount of \$225,529.00.
3. **Performance Period.** Contractor shall complete its obligations under this Task Order on or before **November 31, 2019**.
4. **Effective Date.** The effective date hereof is upon approval of the County or the Board of County Commissioners, whichever is later.

IN WITNESS WHEREOF, the County and the Contractor have caused their names to be affixed.

*Person's signing for Contractor hereby affirm that they are authorized to act on Contractor's behalf and acknowledge that the County is relying on their representations to the effect.

Adams County Board of County Commissioners

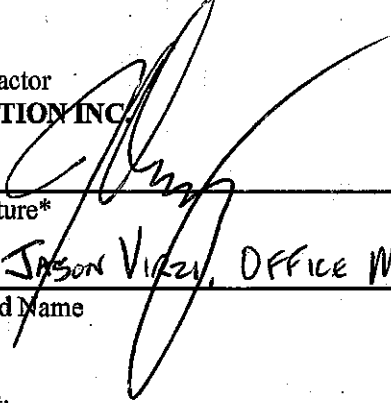


Raymond H. Gonzales, County Manager

4.9.2019

Date

Contractor
JVIATION INC.



Signature*

04/03/19


Date

JASON VIZZI, OFFICE MANAGER

Printed Name

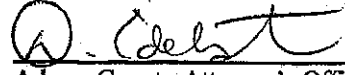
Title

Attest:
Josh Zygielbaum, Clerk and Recorder



Deputy Clerk

Approved as to Form:



Adams County Attorney's Office

**SCOPE OF WORK
FOR
FRONT RANGE AIRPORT
Watkins, CO.
Project No. LOC 19-01
Construct Taxiway A8**

This is an Appendix attached to, made a part of and incorporated by reference with the Consulting Contract dated November 22, 2016 between Adams County Board of County Commissioners and Jviation, Inc. for providing professional services. For the remainder of this scope Front Range Airport and/or Adams County Board of Commissioners is indicated as "Sponsor" and Jviation, Inc. is indicated as "Engineer". The estimated construction cost of this project is approximately \$550,000.

This project will consist of preparing Construction Plans, Contract Documents, along with Bidding, Construction Administration, On-site Construction Coordination, and Post Construction Coordination Phases for the project to Construct Taxiway A8. This scope of work is for the design services and construction services provided by the Engineer for the Sponsor. See Exhibit No. 1 below for the project location.

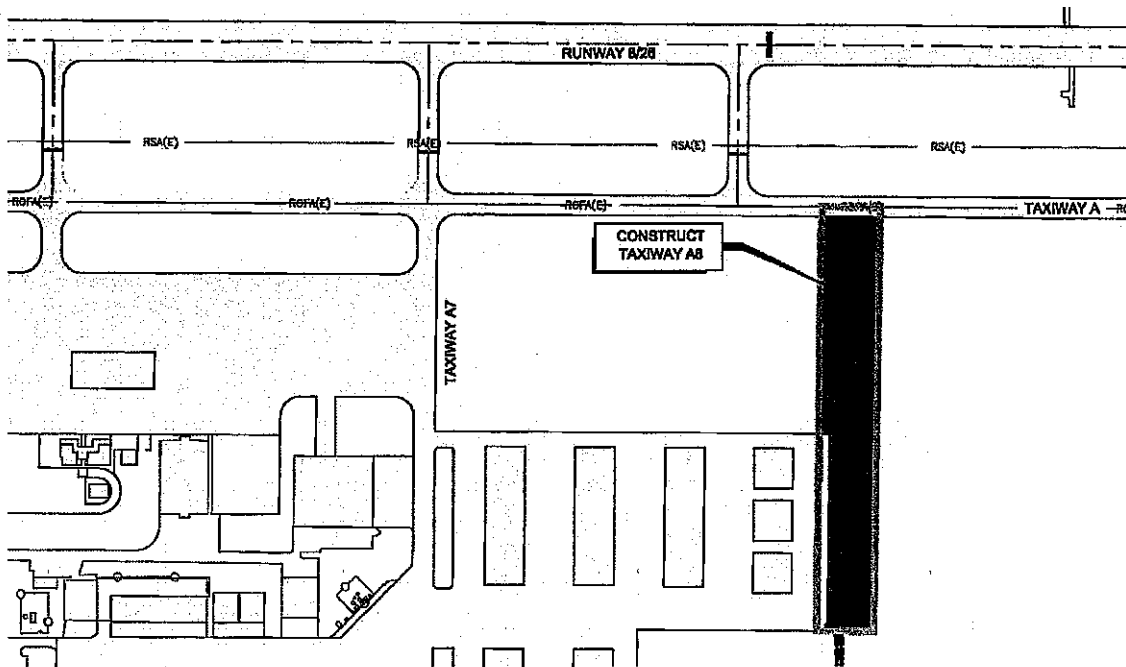


EXHIBIT NO. 1

DESCRIPTION

Currently there is one taxiway into the hangar area at the Airport. As the hangar area continues to be developed, additional access is needed to ease aircraft congestion by alleviating the pinch point at existing Taxiway A7. This project is to construct new Taxiway A8 from Taxiway A on the east side of the existing hangar area. The earthwork and general design of this taxiway was previously designed with the Taxiway A7 Rehabilitation project that was completed in 2018. The previously completed design for Taxiway A8 will be reviewed and repackaged for bidding and construction purposes using local funds. The plans will be modified to reflect the Colorado Department of Transportation (CDOT) construction specifications and all reference to the FAA specifications will be removed.

A Topographical survey has been previously conducted to verify the existing pavement elevations and infrastructure located within the project area.

The engineering fees for this project will be broken into two parts, **Part A-Basic Services**; 1) Preliminary Design Phase, 2) Design Phase, 3) Bidding Phase, and **Part B-Special Services**; 4) Construction Administration Phase, 5) Pre-Construction Phase, 6) On-Site Construction Coordination Phase or Field Engineering, 7) Post Construction Phase, and Reimbursable Costs during Construction. Parts A and B and the seven phases are described in more detail below.

PART A - BASIC SERVICES will consist of the preliminary design phase, design phase and bidding phase, all invoiced on a Lump Sum Basis.

1.0 Preliminary Design Phase

1.1 Coordinate and Attend Meetings with the Sponsor. Meetings with the Sponsor will take place to determine critical dates and to establish the proposed design schedule. Various meetings during the design phase will also be conducted to review the progress of the design and discuss construction details, proposed time frame of the construction, and special requirements of the project. It is anticipated that there will be a minimum of two meetings with the Sponsor throughout the course of the project.

1.2 Prepare Project Scope of Work. This task includes establishing the scope of work through meetings with the Sponsor.

1.3 Provide Project Coordination. The Engineer provides project management and coordination services to ensure the completion of the design. These duties include items such as:

- ➔ The Engineer will utilize the project budget to determine the appropriate staffing required to complete the design.
- ➔ The Engineer will analyze the budget bi-monthly to ensure budget and staffing are on track to meet design schedules within budget.
- ➔ Providing project instructions to staff to complete the design.
- ➔ Prepare and submit monthly invoicing.

The Engineer will conduct the following tasks:

- ➔ Provide the Sponsor with a monthly Project Status Report (PSR), in writing, reporting on Engineer's progress and any problems in performing the work of which the Engineer becomes aware. The PSR shall include an update of the project schedule as described in this section, when schedule changes are expected.
- ➔ The Engineer shall submit for acceptance and maintain, a design schedule detailing the Engineer's scheduled performance of the work.
- ➔ The Engineer shall create and maintain a Quality Control Checklist (QCC) for the project. The QCC shall include personnel, project milestone checking and peer review procedures at each phase of the project.

TASK 1 DELIVERABLES:	TO SPONSOR
1.1 Prepare project checklist, agenda, meeting minutes from Pre-Design Meeting	✓
1.2 Prepare Project Scope of Work	✓
1.3 Prepare design schedule, monthly invoice, monthly PSR	✓

2.0 Design Phase

2.1 Prepare Pavement Design. Based on the geotechnical investigation data, the Engineer will review and verify the pavement section using current FAA design software (FAARFIELD).

2.2 Prepare Construction Safety and Phasing Plan (CSPP). This task involves meeting with the Sponsor to discuss the operations of the airport to help determine how the construction phasing of the project will affect these operations. From these meetings, a complete Construction Safety and Phasing Plan (CSPP) will be developed to ensure safety compliance when coordinating construction activities and airport operations. The CSPP will be developed in accordance with the requirements of *FAA Advisory Circular (AC) 150/5370-2G "Operational Safety on Airports during Construction."* A construction phasing plan that meets the requirements of the AC and operational needs of the airport will be developed as part of the CSPP and included in the Contract Documents for bidding. The CSPP will thoroughly discuss the operations of the airport and safety requirements during the project. This plan will also identify any nighttime work, continuous working times, or other unusual conditions that could affect the Contractor's normal progress on the project.

2.3 Repackage and Modify Construction Plans. The following is a list of anticipated construction drawings for the project. Additional drawings may be added during the design phase if required:

- Cover Sheet (1 Sheet) – Project title, project/grant numbers, funding agencies.
- Index of Drawings, Summary of Approximate Quantities, and General Notes (1 Sheet) – Lists all the drawings in the plan set, approximate quantities, general notes and legends where applicable.
- Survey Control Plan (1 Sheet) – Depicts survey control for the project.
- Safety Plan (1 Sheet) – Identifies the safety procedures for the project.
- Geotechnical Investigation Plan (3 Sheets) – Identifies geotechnical data relevant to the project.
- Construction Phasing/Operations Plan (2 Sheets) – Identifies to the contractor the phasing requirements and operating procedures for the project.
- Geometric Layout (1 Sheet) – Depicts the geometry for the project.
- Grading Sheet (1 Sheet) – Depicts the grading for the taxiway.
- Taxiway Plan and Profiles (1 Sheet) – Depicts the plan and profile of the taxiway.
- Typical Sections (2 Sheets) – Depicts the typical sections for the grading.
- Pavement Markings and Detail Sheets (1 Sheet) – Depicts the locations and markings for the project.
- Seeding and Erosion Control Plan (1 Sheet) – Depicts the layout of various seeding and erosion control measures.
- Seeding and Erosion Control Details (2 Sheets) – Depicts the details for all seeding and erosion control measures.
- Sign and Retroreflective Marker Plan (2 Sheets) – Depicts the new guidance signs plan, respacing of the existing retroreflective marker plan, and new retroreflective marker plan.

PLAN SET TOTALING 20 SHEETS

2.4 Prepare Contract Documents. This task includes reviewing CDOT specifications to reference appropriate specifications into the construction drawings. This task includes preparing project contract documents describing airport terminology as it relates to the CDOT Standard Specifications and writing any special provisions to be included with the CDOT Standard Specifications for the project.

2.5 Compile/Submit FAA Form 7460. This task includes preparing and submitting the required FAA Form 7460 on the Sponsor's behalf. Also included is the preparation and submittal of the required Form 7460 on the Sponsor's behalf for the temporary equipment and/or batch plant.

2.6 Calculate Estimated Quantities. This task includes calculating all necessary quantities for the various work items. Quantities will be consistent with the specifications and acceptable quantity calculation practices.

2.7 Prepare Estimate of Probable Construction Cost. Using the final quantities calculated following the completion of the plans and specifications, the Engineer will prepare the construction cost estimate. The estimate will be based on information obtained from previous projects, contractors, material suppliers, and other databases available.

2.8 Provide In-House Quality Control. The Engineer has an established quality control program that will provide both experienced and thorough reviews of all project submittals, and will also provide engineering guidance to the design team throughout design development from an experienced senior-level Professional Engineer.

Prior to submission of the Issued for Bid Construction Drawings to the Sponsor, a thorough in-house quality control review of the documents will be conducted. This process will include an independent review of the Construction Drawings, by a licensed Professional Engineer, other than the Engineer whom performed the design of the project, comments offered by the Engineer that performed the review and revisions to the Construction Drawings.

2.9 Prepare and Submit Final Plans and Specifications. A final set of Construction Drawings (11" x 17") and Contract Documents, will be prepared and submitted to the Sponsor. These documents shall incorporate all revisions, modifications and corrections determined during the Sponsor's final review.

TASK 2 DELIVERABLES:	TO SPONSOR
2.2 Submit CSPP at 95%	✓
2.4 Submit Preliminary Contract Documents for Sponsor's Review	✓
2.5 Submit FAA Form 7460	
2.9 Submit Final Contract Documents, Cost Estimate, Plans, and CSPP for Bidding	✓

3.0 Bidding Phase

3.1 Provide Bid Assistance. The Engineer will assist the Sponsor, as needed, with any required bidding documents.

3.2 Prepare/Conduct Pre-Bid Meeting. The Engineer will conduct the pre-bid meeting and pre-bid site visit in concert with the Sponsor's requirements.

3.3 Prepare Addenda. Any necessary addenda will be issued to clarify and modify the project, as required, based on questions or comments that may arise from potential contractors during the bidding process. Any necessary addenda will be reviewed with the Sponsor prior to being issued. The addenda will meet all design and construction standards, as required.

3.4 Consult with Prospective Bidders. During the bidding process, the Engineer will be available, if needed, to clarify bidding issues with contractors and suppliers, and for consultation with the various entities associated with the project.

3.5 Attend Bid Opening. The Engineer will attend the bid opening for the project, which will be run by the Sponsor.

3.6 Review Bid Proposals. Upon the opening of submitted bid proposals by the Sponsor, the Engineer will review all the bid proposals submitted. An analysis of the bid prices will be tabulated and the Contractor's qualification for the work including review of Suspension and Debarment rules on the www.Sam.gov website, verification of proposed DBE Subcontractors, inclusion of bid guarantee, addenda acknowledged, and licensure in Colorado will be completed.

3.7 Prepare Recommendation of Award. The Engineer will prepare a Recommendation of Award for the Sponsor to accept or reject the bids, as submitted. If rejection is recommended, the Engineer will supply an explanation for their recommendation and possible alternative actions the Sponsor can pursue to complete the project.

TASK 3 DELIVERABLES:	TO SPONSOR:
3.1 Provide Required Bidding Documents	✓
3.2 Prepare Pre-Bid Meeting Agenda, Pre-Bid Meeting Minutes	✓
3.3 Prepare Addenda	✓
3.6 Analyze Bid Tabulations	✓
3.7 Prepare Recommendation of Award	✓

PART B - SPECIAL SERVICES will consist of the construction administration phase, pre-construction coordination phase, on-site construction, and coordination phase post-construction coordination phase billed on a Lump Sum Basis.

4.0 Construction Administration Phase

4.1 Prepare Construction Documents. The Engineer will make five copies of the plans and specifications for the Contractor's use during construction.

4.2 Provide Office Assistance. Office engineering staff, CAD personnel, and clerical staff will be required to assist the Construction Manager/Field Engineer(s) as necessary during construction. Specific items to be accomplished include compiling and sending additional information requested from the office to the project site, providing secondary engineering opinions on issues arising during construction, maintaining project files as necessary (field files are mirrored in the office for continuity) and various other items necessary in the day-to-day operations.

4.3 Prepare Weekly Reports. The Project Manager will review progress reports weekly.

4.4 Prepare Material Submittal Review. Material submittal data will be reviewed and approved by the Construction Manager or office personnel, if the Construction Manager are unable to make final determination of compliance.

4.5 Prepare Change Orders/Supplemental Agreements. Clerical and drafting personnel will assist with change orders and supplemental agreements as necessary.

TASK 5 DELIVERABLES:	TO SPONSOR:
4.1 Prepare Construction Documents	✓
4.3 Prepare Weekly Reports	✓
4.5 Prepare Change Orders/Supplemental Agreements	✓

5.0 Pre-Construction Coordination Phase

5.1 Prepare Project Files. This task is to assure the construction contracts are in order, the bonds have been completed, and the contractor has been provided with adequate copies of the Construction Drawings and Contract Documents, which will be updated to include all addenda items issued during bidding. Clerical will prepare the quantity sheet, testing sheets, construction report format, etc.

5.2 Prepare/Conduct Pre-Construction Meeting. This task is to assure the pre-construction meeting has been scheduled and all necessary parties have been informed. The Engineer will conduct a pre-construction meeting to review project requirements prior to commencing construction. The meeting will be held at the airport and will included the Sponsor, contractor, sub-contractors, and airport tenants affected by the project.

TASK 6 DELIVERABLES:	TO SPONSOR
5.1 Provide Construction Plans and Contract Documents	✓
5.2 Prepare Pre-Construction Agenda and Meeting Minutes	✓

6.0 On-Site Construction Coordination Phase

This phase will consist of providing one full time Construction Manager. It will be the responsibility of the Construction Manager to facilitate sufficient on-site construction coordination to ensure that the project is completed according to good construction practice and is consistent with the Project Manager's direction. It is estimated that it will take **16 calendar days** to complete construction of the project. Incidental travel costs, including vehicle usage, mileage, per diem, etc. are in addition to the engineering hours expended.

6.1 Provide Field Inspection/Coordination. The Project Manager will make on-site visits, as required, to deal with construction issues as necessary for the duration of the project. As of now, it is estimated that the Project Manager will be required to make a minimum of one site visits to the project.

6.2 Provide Resident Engineering. The Construction Manager will work approximately 12 hours per day. It is assumed that the Construction Manager will be able to complete all daily project documentation in the course of their shift and that total inspection on-site time is anticipated to be **16 calendar days**. It is assumed that the Contractor will work **seven (7) days** a week during the construction period resulting in **16 working days**.

6.3 Review Construction Submittals. This task consists of reviewing and approving the plans and material submittal data received from the Contractor. Engineering field personnel will also review copies of the Contractor's survey data and other construction items for general compliance with the construction documents.

6.4 Calculate Construction Quantities. Engineering field personnel will maintain record of the progress and will review the quantity records with the Contractor on a periodic basis.

6.5 Provide Periodic Cost Estimates. Engineering field personnel will prepare the periodic cost estimates and review the quantities with the Contractor. The Engineer, Sponsor, and Contractor will resolve discrepancies or disagreements with the Contractor's records. The periodic cost estimate will also include all other costs associated with the project (administrative costs, engineering, any miscellaneous costs). After compiling all costs, the Engineer will then submit the periodic cost estimate to the Sponsor for payment.

6.6 Prepare Daily Reports. Engineering field personnel will maintain daily logs of the construction activities for the duration of time on site which includes the "Construction Project Daily Inspection Checklist".

6.7 Prepare/Submit Weekly Reports. Engineering field personnel will prepare a weekly status report. The report will be submitted to the Sponsor and the office following the week of actual construction activities performed.

6.8 Review QA/QC Results Provided by Contractor. Engineering field personnel will review and coordinate revisions by the Contractor for quality control and the acceptance testing firm submittals performed as part of the acceptance testing required. This will occur on a weekly basis and at project completion.

TASK 8 DELIVERABLES:	TO SPONSOR
6.3 Coordinate Submittal Reviews	✓
6.5 Prepare Periodic Cost Estimates	✓
6.7 Prepare Weekly Reports Coordinate	✓
6.8 QA/QC Results Compilation	✓

7.0 Post Construction Coordination Phase

This phase will consist of project close out and site cleanup.

7.1 Conduct Final Inspection. The Engineer, along with the Sponsor, will conduct the final inspection.

7.2 Coordinate Final Surveys. The Engineer will coordinate with the contractor's surveyor for the final survey upon completion of construction.

7.3 Prepare Final Testing Report. The Engineer will prepare the QA test summary report which will include narrative of tests taken, verification minimum number of tests, discussion of problems and testes necessary, including the actual number of tests taken for each specification.

7.4 Prepare Engineering Record Drawings. The Engineer will prepare the record drawings indicating modifications made during construction.

7.5 Prepare Final Construction Report. The Engineer will prepare the final construction report.

7.6 Summarize Project Costs. The Engineer will be required to obtain all administrative expenses, engineering fees and costs, surveying costs, testing costs, and construction costs associated with project and assemble a total project summary. The summary will be compared with available funding.

TASK 7 DELIVERABLES:	TO SPONSOR
7.1 Prepare Punchlists	✓
7.3 Prepare Final Testing Report	✓
7.4 Prepare Record Drawings	✓
7.5 Prepare Final Construction Report	✓
7.6 Prepare Project Cost Summary	✓

EX Reimbursable Costs during Construction

This section includes reimbursable items such as auto rental, mileage, lodging and per diem, travel and other miscellaneous costs incurred in order to complete Part B – Special Services.

Assumptions

The scope of services described in the foregoing is based on several assumptions of responsibilities by the Engineer and Sponsor.

1. The Sponsor will coordinate with tenants as required to facilitate field evaluations and construction.
2. All engineering work shall be performed using accepted engineering principles and practices and shall provide quality products that meet or exceed industry standards. Dimensional criteria will be in accordance with *FAA Advisory Circular 150/5300-13A Airport Design* and related circulars. Construction specifications will be in accordance the CDOT Standards and Specifications for Road and Bridge Construction, 2017.
3. The Engineer will utilize the following computer software in the project:
 - ➔ AutoCAD Civil 3D
 - ➔ Microsoft Office Suite

4. The Engineer will utilize the following drawing standards in the project:
 - Drawing shall be prepared using the Engineer's standards unless the Sponsor provides its own standards upon Notice to Proceed.
 - Drawing elevations shall be vertical datum NAVD 88 derived from the existing control network.
 - Drawing coordinates shall be based on horizontal datum NAD 83/2007 State Plane Coordinates derived from the existing control network. (Paine Field Survey Control Drawing)
 - All drawings shall be stamped and signed by a registered Colorado professional engineer, or professional land surveyor as required.

5. The Engineer will utilize the following assumptions when preparing the project manual for bidding and construction of the project:
 - The project manual contract documents will be developed jointly by the Sponsor and the Engineer.
 - The Engineer is responsible for developing the contents of the document and including the Front End documents which will be supplied by the Sponsor.

6. Adams County Purchasing Department will be responsible for advertising, preparing, and bidding the project. Aviation will provide Construction Drawings and Contract Documents necessary to Adams County to be included in the bid.

7. The Engineer will maintain records of design analyses and calculations consistent with typical industry standards for a period of three years as required by FAA. These will be included in the Design Report.

8. The Engineer may reasonably rely upon the accuracy of data furnished by the Sponsor, or any other project participant not under contractual responsibility to the Engineer pursuant to the project and upon which the Engineer will base the services provided hereunder.

9. Because the Engineer has no control over the cost of construction-related labor, materials, or equipment, the Engineer's opinions of probable construction costs will be made on the basis of experience and qualifications as a practitioner of its profession. The Engineer does not guarantee that proposals for construction, construction bids, or actual project construction costs will not vary from Engineer's estimates of construction cost.

Item No.	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
1.0	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	8	\$ 1,690.00	
1.1	2	8	8	8	4			14	\$ 2,410.00	
1.2								16	\$ 2,840.00	
1.3								38	\$ 6,850.00	
Estimated Total Man-hours										
Summary Costs										
	\$470.00	\$4,800.00	\$1,240.00	\$0.00	\$0.00	\$340.00	\$0.00		\$ 6,850.00	Total Preliminary Design Phase \$ 6,850.00

Item No.	Phase Fee	Reimbursable Costs	Total Cost	Independent Fee Analysis	Negotiated Fee
1.0	\$ 6,850.00	\$ -	\$ 6,850.00	\$ -	\$ -
2.0	\$ 20,015.00	\$ -	\$ 20,015.00	\$ -	\$ -
3.0	\$ 8,590.00	\$ -	\$ 8,590.00	\$ -	\$ -
SUB-TOTAL PART A BASIC SERVICES					\$ 35,455.00

Item No.	Phase Fee	Reimbursable Costs	Total Cost	Independent Fee Analysis	Negotiated Fee
4.0	\$ 7,780.00	\$ -	\$ 7,780.00	\$ -	\$ -
5.0	\$ 1,890.00	\$ -	\$ 1,890.00	\$ -	\$ -
6.0	\$ 30,560.00	\$ 2,548.00	\$ 33,108.00	\$ -	\$ -
7.0	\$ 10,880.00	\$ -	\$ 10,880.00	\$ -	\$ -
SUB-TOTAL PART B SPECIAL SERVICES					\$ 53,658.00
TOTAL ENGINEERING FEES					\$ 89,113.00

Item No.	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
2.0	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	5	\$ 820.00	
2.1								7	\$ 1,130.00	
2.2								54	\$ 7,180.00	
2.3								20	\$ 3,280.00	
2.4								5	\$ 565.00	
2.5								4	\$ 600.00	
2.6								7	\$ 1,110.00	
2.7								8	\$ 1,600.00	
2.8								34	\$ 3,730.00	
2.9								444	\$ 20,015.00	
Estimated Total Man-hours										
Summary Costs										
	\$0.00	\$3,400.00	\$6,550.00	\$4,800.00	\$4,200.00	\$595.00	\$510.00		\$ 20,015.00	Total Design Phase \$ 20,015.00

Item No.	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
2.0	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	5	\$ 820.00	
2.1								7	\$ 1,130.00	
2.2								54	\$ 7,180.00	
2.3								20	\$ 3,280.00	
2.4								5	\$ 565.00	
2.5								4	\$ 600.00	
2.6								7	\$ 1,110.00	
2.7								8	\$ 1,600.00	
2.8								34	\$ 3,730.00	
2.9								444	\$ 20,015.00	
Estimated Total Man-hours										
Summary Costs										
	\$0.00	\$3,400.00	\$6,550.00	\$4,800.00	\$4,200.00	\$595.00	\$510.00		\$ 20,015.00	Total Design Phase \$ 20,015.00

PART A - BASIC SERVICES (CONT.)

Item No.	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
3.0 Bidding Phase	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	8	\$	1,420.00
3.1 Bid Assistance		4	4							
3.2 Prepare/Conduct Pre-Bid Meeting		6						6	\$	1,200.00
3.3 Prepare Addenda		2	4	4	4			18	\$	2,380.00
3.4 Consult with Prospective Bidders		4	4					8	\$	1,420.00
3.5 Attend Bid Opening		4						4	\$	800.00
3.6 Review Bid Proposals		4						4	\$	800.00
3.7 Prepare Recommendation of Award		2	2	2				4	\$	570.00
Estimated Total Man-hours	0	26	12	4	4	6	0	52	\$	8,590.00
Summary Costs	\$0.00	\$5,200.00	\$1,860.00	\$600.00	\$420.00	\$510.00	\$0.00		\$	8,590.00
Total Bidding Phase \$										8,590.00

TOTAL PART A - BASIC SERVICES \$ 35,455.00

PART B - SPECIAL SERVICES

Item No.	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
4.0 Construction Administration Phase	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	20	\$	2,230.00
4.1 Prepare Construction Documents		2	2		8	4	4			
4.2 Provide Office Assistance		2						10	\$	1,080.00
4.3 Prepare Weekly Reports		2					2	4	\$	570.00
4.4 Prepare Material Submittal Review		2	8					8	\$	1,240.00
4.5 Prepare Change Orders/Supplemental Agreements		2	8	4	4			18	\$	2,660.00
Estimated Total Man-hours	0	8	18	4	12	4	14	60	\$	7,780.00
Summary Costs	\$0.00	\$1,600.00	\$2,790.00	\$600.00	\$1,260.00	\$340.00	\$1,190.00		\$	7,780.00
Total Construction Administration Phase \$										7,780.00

PART B - SPECIAL SERVICES (CONT.)

Item No.	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
5.0 Pre-Construction Coordination Phase	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	8	\$	960.00
5.1 Prepare Projects Files								6	\$	930.00
5.2 Prepare / Conduct Pre-Construction Meeting		0	6	0	0	0	4	14	\$	1,890.00
Estimated Total Man-hours	0	0	10	0	0	0	4		\$	1,890.00
Summary Costs	\$0.00	\$0.00	\$1,550.00	\$0.00	\$0.00	\$0.00	\$340.00		\$	1,890.00
Total Pre-Construction Coordination Phase \$										1,890.00

PART B - SPECIAL SERVICES (CONT.)

Item No.	Principal	Project Manager II	Construction Manager III	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
6.0 On-Site Construction Coordination Phase	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	4	\$	800.00
6.1 Provide Field Inspection/Coordination		4	156					156	\$	24,180.00
6.2 Provide Resident Engineering			4					4	\$	620.00
6.3 Review Construction Submittals			4					4	\$	620.00
6.4 Calculate Construction Quantities			4					4	\$	620.00
6.5 Provide Periodic Cost Estimates			16					16	\$	2,480.00
6.6 Prepare Daily Reports			4					4	\$	620.00
6.7 Prepare/Submit Weekly Reports			4					4	\$	620.00
6.8 Review QC/QA Results provided by Contractor		4	4					4	\$	620.00
Estimated Total Man-hours	0	4	192	0	0	0	0	196	\$	30,560.00
Summary Costs	\$0.00	\$800.00	\$29,760.00	\$0.00	\$0.00	\$0.00	\$0.00		\$	30,560.00
Total Construction Coordination Phase \$										30,560.00

Item No.	Post Construction Coordination Phase	Principal	Project Manager II	Project Manager I	Designer	CADD Tech II	Project Coordinator	Support	Total Hours	Cost	Summary
7.0	Conduct Final Inspection	\$235.00	\$200.00	\$155.00	\$150.00	\$105.00	\$85.00	\$85.00	8	\$	1,420.00
7.1	Coordinate Final Surveys		4	4					4	\$	620.00
7.2	Prepare Final Testing Report		4	4					4	\$	620.00
7.3	Prepare Engineering Record Drawings		4	4		12			20	\$	2,680.00
7.4	Prepare Final Construction Report		4	24					28	\$	4,520.00
7.5	Summarize Project Costs		2	4					6	\$	1,020.00
7.6	Estimated Total Man-hours	0	14	44	0	12	0	0	70	\$	10,880.00
Summary Costs		\$0.00	\$2,900.00	\$6,820.00	\$0.00	\$1,260.00	\$0.00	\$90.00		\$	10,880.00
		Total Post Construction Phase \$									10,880.00
EX Reimbursable Costs During Construction											
		Rate	Item	Total							
Auto Rental		\$ 70.00	16 Days	\$ 1,120.00							
Per Diem		\$ 53.00	16 Days	\$ 848.00							
Mileage		\$ 0.590	1000 ME	\$ 580.00							
Miscellaneous		\$									
Subtotals				\$ 2,548.00							
		Total Part B Reimbursables \$									2,548.00
		TOTAL PART B - SPECIAL SERVICES \$									53,658.00