



TASK ORDER NO. 2020-03
AVCON PROJECT NO. 2020.0048.03
DATE: September 18, 2020
CLIENT P.O. NO.: _____

CLIENT: SANFORD AIRPORT AUTHORITY
1200 Red Cleveland Blvd
Sanford, FL 32773

VENDOR: AVCON, INC.
5555 E. Michigan St., Suite 200
Orlando, FL 32822-2779

The vendor, **AVCON, INC.** is a Corporation authorized to do business in the state of Florida with offices located at the address listed above. As part of this Task Order, **AVCON** will furnish the following:

Provide Construction Administration Phase Services (including Construction Materials Testing) in connection with:

PHASE 2 (Base Bid) - Rehabilitation of Taxiway C from Taxiway K to Runway 18-36, including connector Taxiways L, M and P, which consists of fillet widening to meet current FAA geometric design guidance, milling and overlay of P-401 asphalt, new construction of 30' wide shoulders on each side of the existing taxiway (as applicable), isolated reconstruction as necessary, dirt work, drainage, grading, and marking, as well as new LED airfield lighting and signage installation and isolated airfield lighting vault modifications.

PHASE 3 (Additive Alternate #1) - Rehabilitation of Taxiway B from just west of Taxiway R to Runway 18-36, which consists of fillet widening to meet current FAA geometric design guidance, milling and overlay of P-401 asphalt, new construction of 30' wide shoulders on each side of the existing taxiway, isolated reconstruction, dirt work, drainage, grading, and marking, as well as new LED airfield lighting and signage installation and isolated airfield lighting vault modifications, including a new Standby Generator and fuel tank.




all at the Orlando Sanford International Airport (SFB). Reference is made to the attached Scopes of Services and Summaries of Professional Service Fees, as appended hereto and made a part hereof.

This Task order is for a **LUMP SUM COST** of Two Hundred Thirteen Thousand, Six Hundred Fifty-Seven and 50/100 dollars (\$213,657.50). The Client agrees to pay **AVCON** for its services based on approved monthly invoices. The schedule for completion of services shall be Three Hundred Twenty-six (326) Calendar Days or through construction completion and closeout, whichever is less. This task order and all referenced attachments shall constitute the complete Task Order for this assignment.

Client Concurrence :

SANFORD AIRPORT AUTHORITY

By: 
Authorized Signature


Printed Name

Title

Date

Vendor Concurrence :

AVCON, INC.

By: 
Authorized Signature

Sandeep Singh, P.E.

President

Date: September 18, 2020



AVCON, INC.
Engineers & Planners

5555 E. Michigan St., Suite 200
Orlando, Florida 32822
Phone: (407) 599-1122
Fax: (407) 599-1133
www.avconinc.com

September 18, 2020

Diane H. Crews, A.A.E.
President and CEO
Sanford Airport Authority
1200 Red Cleveland Boulevard
Sanford, FL 32773

**Reference: Professional Services Scope and Fee Proposal for
Construction Administration - Taxiway B, C, & L Rehabilitation Project
PHASE 2 & PHASE 3 (Add Alt #1)
Orlando Sanford International Airport**

Dear Ms. Crews,

AVCON, INC. (AVCON) is pleased to provide the enclosed proposal for Construction Administration Phase Services to the Sanford Airport Authority (SAA) to support the subject project at the Orlando Sanford International Airport (SFB).

AVCON's proposed Total Lump Sum Fee for the project scope is Two Hundred Thirteen Thousand, Six Hundred Fifty-Seven and 50/100 dollars (\$213,657.50)

AVCON will provide services as outlined in the following attachments:

- Scope of Services
- Detailed Fee Breakdown
- Task Order 2020-03
- Exhibit identifying the Project Phases and Project Bid Schedules

If you have any questions regarding our scope or fee proposal, please advise. As always, we look forward to assisting you on this Project.

Sincerely,

AVCON, INC.

A handwritten signature in blue ink, appearing to read "Craig Sucich", is written over a light blue horizontal line.

Craig Sucich, P.E.
Sr. Project Manager - Airports

cc: George D. Speake, Jr., C.M., Executive Vice President/COO, SAA
Sandeep Singh, PE, President, AVCON, INC.

Enclosures as noted



**ATTACHMENT NO. 1
PROPOSED SCOPE OF WORK
PROFESSIONAL ENGINEERING SERVICES
BIDDING & CONSTRUCTION PHASE SERVICES
TAXIWAY B, C, & L REHABILITATION PROJECT – PHASE 2 & 3 (Add Alt #1)
ORLANDO SANFORD INTERNATIONAL AIRPORT
September 2020**

Section 1.0 - GENERAL SCOPE OF PROJECT

Provide technical construction phase assistance in connection with the **Taxiway B, C, & L Rehabilitation Project - PHASE 2 & 3 (Add Alt #1)** at Orlando Sanford International Airport (SFB).

The project has been broken out as follows:

PHASE 2 (BASE BID)

The Phase 2 project can generally be described as Rehabilitation of Taxiway C from Taxiway K to Runway 18-36, including connector Taxiways L, M and P.

The work consists of fillet widening to meet current FAA geometric design guidance, milling and overlay of P-401 asphalt, new construction of 30' wide shoulders on each side of the existing taxiway (as applicable), isolated reconstruction as necessary, dirt work, drainage, grading, and marking, as well as new LED airfield lighting and signage installation and isolated airfield lighting vault modifications.

PHASE 3 - ADDITIVE ALTERNATE # 1

The Phase 3 project can generally be described as Rehabilitation of Taxiway B from just west of Taxiway R to Runway 18-36.

The work consists of fillet widening to meet current FAA geometric design guidance, milling and overlay of P-401 asphalt, new construction of 30' wide shoulders on each side of the existing taxiway, isolated reconstruction, dirt work, drainage, grading, and marking, as well as new LED airfield lighting and signage installation and isolated airfield lighting vault modifications, including a new Standby Generator and fuel tank.

The objective of the taxiway element of the project is to extend the useful life of the air carrier capable taxiway, and to upgrade the pavement, transverse slopes, and geometries of the pavement to current Federal Aviation Administration (FAA) standards.

Coordination parameters will be established with the Sanford Airport Authority (SAA) and Air Traffic Control Tower (ATCT) personnel to provide proper coordination and pre-planned phasing of the construction work on or adjacent to existing operating airfield pavements to minimize impacts to daily airport operations. The on-going requirements of the airport operational needs must be met throughout the construction of this project. Some of the key elements of the project include:



- A. Rehabilitate portions of Taxiway C from Taxiway K to Runway 18-36, including connector Taxiways L, M and P; and Rehabilitation of Taxiway B from just west of Taxiway R to Runway 18-36.
- B. All rehabilitated pavements will include the construction of 30' paved shoulders on both sides of the taxiway.
- C. Rehabilitate all Taxiway lighting and signage within the limits of work.
- D. Assist in coordinating the significant interface between the contractor and the SAA and the tenant airlines.
- E. Implement site access, storage, and parking areas for construction.
- F. Coordinate with the SAA and FAA Tower personnel to assure that the construction implementation meets airfield operational needs (including future airport development) and addresses the desires of the system operators and airfield maintenance personnel.
- G. Coordinate with existing (or proposed) site conditions, Airport Operations and applicable Federal, State and Local ordinances, and codes.

Section 2.0 – BIDDING PHASE SERVICES

- A. Assist SAA in advertising and making plans available to bidders, including maintaining a database of the overall listing of plan holders;
- B. Respond to questions from bidders to clarify the intent of the plans and specifications as directed by SAA;
- C. Arrange and conduct the Pre-Bid Conference;
- D. Prepare addenda and distribute to bidders;
- E. Prepare Final Engineer's Estimate of Probable Cost - 100% plus any addenda, and deliver to Owner prior to the date and time specified for the opening of bids;
- F. Attend the bid opening and provide technical review of the bids for general conformance with the invitation to bids;
- G. Review all bids, prepare bid tabulation and make recommendation to SAA concerning the award of the construction contract, subject to DBE participation goals and further subject to legal review by SAA counsel.

Section 3.0 – NON-RESIDENT CONSTRUCTION PHASE SERVICES

- A. Assist the AUTHORITY in preparation of the contract with the successful bidders; SAA shall make copies of contract documents for execution by the parties and



coordinate review with the AUTHORITY'S legal counsel. Notices of Intent to Award, Procure and Proceed shall be prepared by the AUTHORITY.

- B. Evaluate the contractors' schedules and coordinate activities with the AUTHORITY, Airport Tenants and the contractors.
- C. Review the Contractor's Phasing and Paving plan, and project communications, experience record of the superintendent, pavement plan and site clean-up procedures. Attend Pre-paving Conference and placement of test strip.
- D. Review and approve shop drawings or other submissions as to conformance with design concept and construction documents. Determine the acceptability, subject to the AUTHORITY and/or FAA/FDOT approval, of substitute materials and equipment proposed by the contractor and receive and review (for general content as required by the specifications) maintenance and operation instruction, schedules, guarantees, and certificates of inspection which are to be assembled by the contractor in accordance with the contract documents. Incorporate the AUTHORITY'S comments with respect to the same.
- E. Provide availability for the initial 30-day period to facilitate procurement of any long-lead items. Provide coordination between the SAA and the design team through the initial stages of the project.
- F. Make periodic visits to the site to observe the progress and quality of the executed work and to determine, in general, if the work is proceeding in accordance with the Contract Documents; CONSULTANT will not be required to make exhaustive and continuous on-site inspections to check the quality or quantity of work and the CONSULTANT will not be responsible for the means, methods, techniques, sequences or procedures of the construction selected by the contractor(s) or the safety precautions and programs incidental to the work of the Contractor(s).
The CONSULTANT's efforts will be directed toward providing assurance for the AUTHORITY that the completed project will generally conform to the Contract Documents. During such visits and on the basis of on-site observations, CONSULTANT shall keep the AUTHORITY informed of the progress of the work, shall endeavor to guard the AUTHORITY against defects and deficiencies on the work of Contractor(s) and may disapprove or reject work as failing to conform to the Contract Documents.
- G. Attend the weekly JCM conducted by the RPR in conjunction with these weekly visits.
- H. Issue necessary interpretations and clarifications to the contract documents as may be required. Perform those design support tasks set forth in the general conditions of the construction contract required to be performed by the Design Engineer and otherwise consult with and advise the AUTHORITY as provided for in the construction contract documents;



- I. Review the contractor's schedule of values, process contractor's applications for payment, and recommend to the AUTHORITY construction payments based upon properly completed construction.
- J. Participate in the preparation of the punchlist for substantial and final acceptance inspection;
- K. Receive and review written guarantees and other documents assembled by the contractor(s) and issue a final certificate for payment;
- L. Perform the necessary inspections to ensure the water management aspects of the project have been completed in substantial conformance with the plans and that any changes are documented accordingly; and
- M. Prepare reproducible "Record Drawings" and AutoCAD discs based upon information supplied by the RPR and construction contractor(s).

SPECIAL SERVICES

Section 4.0 RESIDENT PROJECT REPRESENTATIVE (RPR) SERVICES *(Provided by Sanford Airport Authority Staff)*

Resident Project Representative Services during the Construction Phase are included in this agreement. These services will be performed to support the requirements of observing the actual construction of the final construction project. These services shall last for the duration of the construction of the Project, including lead and lag time for Project start-up and closeout purposes.

As part of the Resident Project Representative (RPR) services, to be accomplished by the Construction Manager, Resident Inspector, with applicable support staff, will perform the following:

- A. Conduct pre-construction conference and all utility pre-construction coordination meetings Prepare for, attend and conduct one pre-construction conference with contractor, consultant, FDOT, and airport users to discuss in detail the requirements and responsibilities for items such as the contractor's responsibility for shop drawing submittal and safety, etc. The RPR will prepare the minutes of the pre-construction conference and distribute to the list of attendees;
- B. Provide office support during construction. Set up files, prepare correspondence, prepare change orders, review daily construction reports, review material test reports, and coordinate efforts with the selected contractor. Maintain record copies of all contract correspondence for the project, particularly documentation that approve or modify elements of the contract documents;
- C. Receive, catalog and process all project submittals and maintain a complete file of approved shop drawings and catalog cuts for the project;



- D. Provide full-time inspection on the site to observe the progress and quality of the executed work and to determine, in general, if the work is proceeding in accordance with the Contract Documents. Although Resident will be required to make continuous on-site inspections to check the quality or quantity of work, the Resident will not be responsible for the means, methods, techniques, sequences or procedures of the construction selected by the Contractor(s). Specifically, the Resident will not be responsible for the safety precautions and programs incidental to the work of the Contractor(s). The Resident's efforts will be directed toward providing assurance to the AUTHORITY that the completed project will generally conform to the Contract Documents.

On the basis of on-site observations, Resident shall keep all parties informed of the progress of the work, shall endeavor to guard the AUTHORITY against defects and deficiencies on the work of Contractor(s) and may disapprove or reject work as failing to conform to the Contract Documents.

The RPR shall review the Contract Drawings and Technical Specifications to the extent necessary to become familiar with the project requirements and to understand the design intent. Specific RPR duties shall include:

1. Review and become familiar with contractor's approved quality control plan for P-401, and testing requirements;
2. Review and become familiar with the acceptance testing requirements for various phases of work;
3. Monitor performance of the Contractor and make formal demands on the Contractor to require correction of work that does not meet the requirements of the plans and specifications;
4. Determine test locations, and coordinate and monitor testing;
5. Resolve minor field issues;
6. Conduct day-to-day construction observations and Maintain a daily project log;
7. Prepare monthly construction progress reports and submit to applicable parties;
8. Maintain up-to-date records on quantities of work performed and quantities of materials in place; *In this effort, a daily log of the placement of asphalt shall be made and an estimate of the tonnage of asphalt milled each night shall also be prepared. The RPR shall prepare calculations for the asphalt spread rates to ensure that asphalt usage is in line with project progress.*
9. Review payrolls and, through interviews with work force, determine if correct wages are being paid.

- E. Conduct and provide minutes for the weekly Job Coordination Meetings in conjunction



with the work, as well as other meetings that take place affecting the construction project (i.e., utilities, NAVAIDS, etc.);

- F. Make daily field measurements of work in progress and the completed work, and provide complete record keeping of all quantities on the project, including modifications to final measurements to reflect the as-built construction;
- G. Review and ensure that Contractor provides all required material and installation Quality Control (QC) testing and documentation required by the project specifications (Contractor to provide all necessary QC Testing);
- H. Arrange and administer material Quality Assurance (QA) testing required by the specifications;
- I. Perform required verification measurements or surveys to validate contractor layouts on the project site;
- J. Review the contractor(s) applications for payment and accompanying data and schedules. Based on on-site observations as a professional, experienced and qualified in construction observation, RPR shall determine the amount owing to the contractor and recommend in writing to the AUTHORITY, payments to the Contractor in such amounts;

Such recommendations of payment will constitute a representation to the AUTHORITY based on such observations and review, that the work has progressed to the point indicated and that, to the best of his knowledge, information and belief, the quality of the work is in accordance with the Contract Documents.

CONSULTANT will review requests for payment for materials stored and monthly submittals of releases of liens, but will not be deemed to have represented that he has made examination to determine how or for what purposes the contractor has used the monies on account of the Contract Price, or that title to any of the contractor's work, materials or equipment has passed to the AUTHORITY free and clear of any lien, claims, security interests and encumbrances;

- K. Validate periodic updates of Contractors' "Record Drawings" prior to processing of pay requests and coordinate final production of "as-built" record documents by the Contractor to the Design Engineer. Review record information prepared by the Contractor and compare this information to the RPR's records kept in the field.

This will be done monthly and at the completion of the project. The CONSULTANT will deliver the set of "PROJECT RECORD" documents prepared by the contractors to the AUTHORITY upon satisfactory delivery of documents by the Contractor;

- L. Prepare and coordinate the approval of necessary change order documentation to accomplish modifications to the project to accommodate changes in field conditions or



other modifications required of the project and/or by the Owner;

- M. Arrange and participate in substantial completion inspections of completed work, and prepare punchlists for the acceptance inspection. It is possible that more than one inspection may be required to facilitate partial opening of certain Project areas. CONSULTANT will track and ensure that the prerequisites to Substantial Completion are met;
- N. Receive and review written guarantees and other documents assembled by the Contractor and endorse a final certificate for payment;
- O. The Consultant shall attend and develop a comprehensive punchlist during the final inspection. Ensure that the contractors have met all obligations prior to final payment (retainage release, etc). Also, ensure that closeout procedures are followed by the contractors in strict accordance with the contract documents;
- P. The RPR will assist the Authority in tracking the budget and update estimates to complete the project monthly; and
- Q. The RPR will prepare the project Closeout Report for the purposes of closing out the grant with the FAA. The report shall include: Certificate of substantial Completion, Construction Contract Time summary, Construction Cost Summary and Construction Materials testing Summary.

Section 5.0 QUALITY ASSURANCE TESTING AND FIELD VERIFICATIONS

In addition to the above services provided by the Consultant and the Sanford Airport Authority, the project will also entail specific quality assurance testing and field verifications of all constructed elements of the project. These services will be performed to support the requirements of observing the actual construction of the final construction project. The detailed requirements of these service tasks are defined below:

A. CONSTRUCTION MANAGEMENT PLAN

Prepare and submit the Construction Management Plan as required for projects with paving items valued in excess of \$250,000. Assist the Resident Project Representative in the determination of test frequency and site locations in accordance with the specifications. Review and evaluate the contractor's quality control reports and make recommendations of any adjustments necessary.

Section 6.0 - ADDITIONAL SERVICES

When required by the AUTHORITY or the Contract Documents in circumstances beyond CONSULTANT's control, CONSULTANT shall furnish or obtain from others, as circumstances require during construction, additional services of the types listed above. These services are not



included as part of Basic Services. CONSULTANT shall advise the AUTHORITY promptly prior to starting any such Additional Services. The following outline presents the types of possible services anticipated in connection with this project:

- A. Services relating to work directive changes and change orders to reflect changes requested by AUTHORITY if the resulting change in compensation for Basic Services is not commensurate with the additional service rendered;
- B. Services after the award of the construction contract(s) in evaluating and determining the acceptability of an unreasonable or excessive number of substitutions proposed by contractor;
- C. Services resulting from significant delays, changes or price increases occurring as a direct or indirect result of material, equipment or energy shortages;
- D. Additional or extended services during construction made necessary by (1) work damaged by fire or other cause during construction (2) a significant amount of defective or neglected work of any contractor, (3) acceleration of the progress schedule involving services beyond normal working hours, and (4) default by any contractor;
- E. Evaluating an unreasonable or extensive number of claims submitted by contractor(s) or others relative to the work;
- F. Services resulting from the contractor's failure to complete his work in the number of days allowed in the contract between the AUTHORITY and the selected contractor(s);
- G. Preparation of modifications to the PROJECT requested by permitting agencies;
- H. Threatened or Endangered Species permitting/investigation;
- I. Permit or other PROJECT related fees.

Section 7.0 – REIMBURSABLE EXPENSES

All job-related travel, job related reprographic costs and supplies, interim review document printing, telefax and long distance charges, mail and express mail services and printing and plotting costs associated with preparation of contract documents are included in the Lump Sum Fee for this task order as indicated in the accompanying fee derivation spreadsheet.

END OF ATTACHMENT NO. 1

**ATTACHMENT 2 – ENGINEER'S COMPENSATION
REHABILITATION OF TAXWAY B, C, & L - PHASE 2 & 3
BIDDING & CONSTRUCTION ADMINISTRATION SERVICES
TABLE C-1**

BREAKDOWN OF LUMP SUM FEE

AVCON, INC.	Position:	BREAKDOWN OF LUMPSUM FEE												
		Sr. Project Manager		Senior Engineer		Engineer/Inspector		Designer/Tech.		Word Processor		Task Totals		
	Rate (\$/Hour):	\$ 175.00 /HR		\$ 128.00 /HR		\$ 102.00 /HR		\$ 95.00 /HR		\$ 70.00 /HR				
		Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Avg. Hourly Rate
SECTION 2.0 Bidding Phase Services														
Assist SAA in advertising and making plans available to bidders, including maintaining a database of the overall listing of plan holders.														
		2	\$ 350.00	2	\$ 256.00	2	\$ 204.00	0	\$ -	6	\$ 420.00	12	\$ 1,230.00	102.50
Respond to questions from bidders to clarify the intent of the plans and specifications as directed by SAA;														
		2	\$ 350.00	2	\$ 256.00	4	\$ 408.00	4	\$ 380.00	6	\$ 420.00	18	\$ 1,814.00	100.78
Arrange and conduct the Pre-Bid Conference;														
		4	\$ 700.00	6	\$ 768.00	6	\$ 612.00	0	\$ -	0	\$ -	16	\$ 2,090.00	130.00
Prepare addenda and distribute to bidders;														
		2	\$ 350.00	4	\$ 512.00	6	\$ 616.00	0	\$ -	8	\$ 560.00	22	\$ 2,238.00	101.73
Prepare Final Engineer's Estimate of Probable Cost - 100% plus any addenda, and deliver to Owner prior to the date and time specified for the opening of bids;														
		2	\$ 350.00	2	\$ 256.00	2	\$ 204.00	2	\$ 190.00	2	\$ 140.00	10	\$ 1,140.00	114.00
Attend the bid opening and provide technical review of the bids for general conformance with the invitation to bid;														
		2	\$ 350.00	0	\$ -	8	\$ 816.00	0	\$ -	0	\$ -	10	\$ 1,166.00	116.60
Review all bids, prepare bid tabulation and make recommendation to SAA concerning the award of the construction contract, subject to DBE participation goals and further subject to legal review by SAA counsel.														
		2	\$ 350.00	0	\$ -	4	\$ 408.00	0	\$ -	8	\$ 560.00	14	\$ 1,318.00	94.14
Sub-Total - Bidding Services														
		16	\$ 2,800.00	16	\$ 2,048.00	34	\$ 3,468.00	6	\$ 570.00	30	\$ 2,100.00	102	\$ 10,988.00	107.71
SECTION 3.0 Construction Admin. Phase - Non-Res.														
Assist in Preparation of Contract														
		2	\$ 350.00	0	\$ -	2	\$ 204.00	0	\$ -	8	\$ 560.00	12	\$ 1,114.00	92.83
Set-up Project folders and checklists														
		0	\$ -	0	\$ -	0	\$ -	5	\$ 475.00	8	\$ 560.00	13	\$ 1,035.00	79.62
Review Contractor's Phasing and Paving Plans, Lighting plan, Standby equipment, etc.														
		2	\$ 350.00	8	\$ 1,024.00	16	\$ 1,632.00	0	\$ -	0	\$ -	26	\$ 3,008.00	115.62
Review and Approve Shop Drawings and Submittals - civil, etc.														
		2	\$ 350.00	24	\$ 3,072.00	24	\$ 2,448.00	8	\$ 760.00	20	\$ 1,400.00	78	\$ 8,030.00	102.85
Provide Coordination with Team during Initial 45-day Startup Period														
		12	\$ 2,100.00	8	\$ 1,024.00	8	\$ 816.00	0	\$ -	0	\$ -	28	\$ 3,940.00	140.71
Prepare Construction Management Plan														
		4	\$ 700.00	12	\$ 1,536.00	4	\$ 408.00	0	\$ -	8	\$ 560.00	28	\$ 3,204.00	114.43
Make Periodic Site Visits/weekly meetings (1.5 meetings/week for project duration; 3 hrs/meeting)														
		210	\$ 36,750.00	105	\$ 13,440.00	105	\$ 10,710.00	0	\$ -	0	\$ -	420	\$ 60,900.00	145.00
Issue Clarifications and Interpretations														
		4	\$ 700.00	18	\$ 2,304.00	24	\$ 2,448.00	24	\$ 2,280.00	20	\$ 1,400.00	90	\$ 9,132.00	101.47

**ATTACHMENT 2 – ENGINEER'S COMPENSATION
REHABILITATION OF TAXWAY B, C, & L - PHASE 2 & 3
BIDDING & CONSTRUCTION ADMINISTRATION SERVICES
TABLE C-1**

BREAKDOWN OF LUMP SUM FEE

AVCON, INC.		Position:		Sr. Project Manager		Senior Engineer		Engineer/Inspector		Designer/Tech.		Word Processor		Task Totals	
Rate (\$/Hour):		\$ 175.00 /HR		\$ 128.00 /HR		\$ 102.00 /HR		\$ 95.00 /HR		\$ 70.00 /HR					
		Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Avg. Hourly Rate
Review Schedule of Values and Period Applications for Payment		4	\$ 700.00	8	\$ 1,024.00	0	\$ -	0	\$ -	8	\$ 560.00	20	\$ 2,284.00		114.20
Participate in Substantial and Final Punchlist Inspections		4	\$ 700.00	8	\$ 1,024.00	8	\$ 816.00	0	\$ -	4	\$ 280.00	24	\$ 2,820.00		117.50
Review Guarantees and other Closeout Documents		4	\$ 700.00	8	\$ 1,024.00	4	\$ 408.00	0	\$ -	4	\$ 280.00	20	\$ 2,412.00		120.60
Provide Inspections of Completed Work for SURVMO Compliance		2	\$ 350.00	0	\$ -	22	\$ 2,244.00	8	\$ 760.00	2	\$ 140.00	34	\$ 3,494.00		102.76
Prepare "Record Drawings" and AutoCAD disks of the Completed Documents		2	\$ 350.00	4	\$ 512.00	12	\$ 1,224.00	20	\$ 1,900.00	8	\$ 560.00	46	\$ 4,546.00		98.83
Sub-Total - Construction Admin. Phase		252	\$ 44,100.00	203	\$ 25,984.00	229	\$ 23,358.00	65	\$ 6,175.00	90	\$ 6,300.00	839	\$ 105,917.00		126.24
Total Professional Services		268	\$ 46,900.00	219	\$ 28,032.00	263	\$ 26,826.00	71	\$ 6,745.00	120	\$ 8,400.00	941	\$ 116,903.00		124.23
SECTION 4.0 RPR Services															
TO BE PROVIDED BY SAA (Estimate provided separately)															
SECTION 5.0 QUALITY ASSURANCE															
CONSTRUCTION MATERIALS TESTING						\$ 94,400.00	Construction Material Testing Costs								
				236	Calendar Days of Construction		\$ 400.00	AVG./DAY							
SECTION 7.0 - Reimbursable Expenses				Sub Total										\$ 94,400.00	
				Close Out Documents and Records			\$ 307.00								
				TRAVEL	50	70 trips x	\$ 0.505 per mile	\$ 2,047.50							
				PER DIEM (none as travel is within 50 miles of home office)			\$ -								
				Sub Total			\$ 2,354.50							\$ 2,354.50	
TOTAL COSTS														\$ 213,657.50	
CONSTRUCTION ESTIMATE = \$10.6M															
														USE ROUNDED	\$ 213,657

Total Calendar Days 326
Actual Field Days* 236

*60 calendar days for procurement, submittals, etc.; 30 calendar days between Substantial and Final Completion

TOTAL CONSTRUCTION COST ESTIMATE: \$10.6M

