TASK WORK ORDER NO. 7 (Seven)

(Supplemental to the ENGINEER's Basic Agreement dated December 4, 2013

This SUPPLEMENTAL AGREEMENT, which is incidental and subordinate to the Contract for Professional Services Agreement executed on <u>December 4, 2013</u>, is made and entered into this <u>day of Agril</u>, 20 18, by and between the SAVANNAH AIRPORT COMMISSION, operator of the Savannah/Hilton Head International Airport located in Savannah, a municipal corporation of the State of Georgia, hereinafter called the COMMISSION, and <u>Michael Baker International, Inc.</u>, a corporation authorized to do business in the State of Georgia, with offices located in <u>Norcross, Georgia</u>, hereinafter called the ENGINEER.

In the event of any inconsistency between this Supplemental Agreement and the terms of the Contract for Professional Services Agreement stated above, the Contract for Professional Services Agreement shall take precedence.

WITNESSETH:

Article I

The Project

The **COMMISSION** hereby retains the **ENGINEER** to furnish general professional services required to perform an independent review of the existing conditions, to develop schematic design layouts, and to provide an independent opinion of the programming-level project scope and budget, for the proposed construction of the following:

COMMON RENTAL CAR FACILITY IMPROVEMENTS

The above described improvement is hereinafter called the **PROJECT**.

Article II

Services by Engineer

The engineering services that the **ENGINEER** shall furnish to the **COMMISSION** under this Task Work Order shall include:

A. General Services

 Serve as the COMMISSION's professional representative in all phases of the PROJECT, and will give consultation and advice to the COMMISSION during the performance of these services.

- 2. Keep the **COMMISSION** periodically advised during the design phase as to the estimated cost and schedule of the **PROJECT**.
- 3. The ENGINEER will not be responsible for defects or deficiencies in the construction or the Contractor's performance; however, he shall write into the construction contract documents sufficient guarantees, supported by a performance bond, to protect the COMMISSION against any defects or deficiencies in either labor or workmanship for a period of one year after completion of construction, and further shall include a clause calling for liquidated damages to protect the COMMISSION due to the Contractor's failure to complete the work in the time specified.

B. Basic Services

Preliminary Phase

- 1.1 Confer with and provide general consultation and advice to the COMMISSION with respect to project requirements, finances, schedules and other pertinent preliminary design requirements of the PROJECT formulated under Programming Services, including coordination with agencies on matters affecting the PROJECT and attendance at the Pre-design Conference.
- 1.2 Plan, prepare and direct, as authorized by the **COMMISSION**, engineering surveys, investigative programs of pavement materials, soils and subsurface investigations and tests to be performed by the **COMMISSION** or specialty consultants as may be necessary for the preliminary design of the **PROJECT**.
- 1.3 Develop design schematics, sketches, environmental and aesthetic considerations, project recommendations, preliminary layouts, and preliminary cost estimates.

Design Phase

Upon approval of the Preliminary Phase, the **ENGINEER** shall:

- 2.1 Collect engineering data and undertake field investigation not included in the Preliminary Phase. Survey and geotechnical services will be considered additional services, if needed.
- 2.2 Provide general consultation and advice to the **COMMISSION** with respect to the final design of the **PROJECT**, including meetings and design conferences to obtain information and to coordinate or resolve final design matters.
- 2.3 Prepare plans, specifications, contract documents, and detailed construction cost estimates for award of a construction contracts) as coordinated with, reviewed by and approved by the **COMMISSION**.

- 2.4 Prepare an engineering report as required by the **COMMISSION** to describe and justify the proposed design of the **PROJECT**.
- 2.5 Furnish the **COMMISSION** with one set of reproducible drawings and five (5) sets of the final plans, specifications and contract documents for agency coordination and suitable for advertising for construction bids.

3. Construction Phase (Future)

- 3.1 Assist the COMMISSION in obtaining proposals from construction contractors for the construction of the PROJECT, review technical qualifications of bidders, review and tabulate all proposals received by the COMMISSION, and make recommendations to the COMMISSION for the award of construction contracts subject to the COMMISSION's investigation of the bidder's financial qualifications and to the concurrence of the COMMISSION's legal counsel.
- 3.2 Assist the **COMMISSION** in the Preconstruction Conference.
- 3.3 Provide general consultation and advice to the **COMMISSION** with respect to the construction of the **PROJECT**.
- 3.4 Assist the **COMMISSION** m estimating cash flow projections of **PROJEC** expenditures.
- 3.5 Perform one intermediate inspection of the **PROJECT** while construction is in progress to review and monitor the progress, workmanship and quality of materials for conformity with the plans, specifications and construction schedule and provide appropriate reports to the **COMMISSION**.
- 3.6 Review and approve, for compliance with the design concept of the **PROJECT** and compliance with the information given in the construction contract documents, all detailed construction, shop and erection drawings and materials certification submitted by the Contractor(s).
- 3. 7 Review reports of field testing activities performed by the **COMMISSION** or others.
- 3.8 Perform final inspections with representatives of the **COMMISSION** and appropriate governmental agencies of the completed **PROJECT** and prepare certificates of substantial completion and affidavits of compliance for the **COMMISSION**.
- 3.9 Prepare record drawings in reproducible form based upon information provided by the Contractor(s) of those facilities for which design plans were prepared by the ENGINEER.

C. Additional Services

If authorized in writing by the **COMMISSION** or the Executive Director of **COMMISSION**, the **ENGINEER** will furnish or obtain from specialty consultants, the following additional services in connection with the **PROJECT**.

- Make major revisions to completed or partially completed design plans and specifications to incorporate changes made to the scope of work after approval of the preliminary plans by reviewing agencies provided that these revisions are not attributable to any errors or omissions of the ENGINEER.
- 2. Prepare routine change orders or routine supplemental agreements as may become necessary during construction of the work.
- Prepare construction contract change orders or supplemental agreements involving major changes or revisions of the completed construction plans, and specifications which are not attributable to any error or omission on the part of the ENGINEER.
- Review and recommend for approval, monthly and final progress payments to contractors, change orders, supplemental agreements, and time extensions and assist the COMMISSION in preparing pertinent governmental agency standard forms.
- Update the current Airport Layout Plan to reflect the completed construction under this PROJECT.
- 6. Prepare to serve or serve as a consultant, witness or representative for the COMMISSION in any public hearing, public information meeting or other administrative proceeding involving the PROJECT. Such consultation and representation in connection with litigation or other legal proceeding involving the PROJECT shall be covered under subsequent Supplemental Agreement.
- Assist the COMMISSION in performing any inspection of facilities constructed under this Agreement after final acceptance of the work but prior to the expiration of any contractor's warranty periods imposed in construction contract documents.
- 8. Furnish additional copies of final plans, specifications and contract documents beyond the five (5) called for in Article II.B. 2.5 for use in advertising for construction bids or other review purposes.
- Perform services involving the preparation of rate schedules, earnings and expense statements, feasibility studies, appraisals, evaluations or other similar detailed analysis that are not normally required in the scope of the PROJECT.

- 10. Prepare drawings from field measurements of existing construction when required for planning additions or alterations thereto where they are not included in the original scope of the PROJECT.
- 11. Perform additional or extended services during construction made necessary by (1) work damaged by fire or other cause during construction, (2) prolongation of the construction contract time due to causes beyond the control of the ENGINEER, (3) acceleration of the work schedule involving service beyond normal working hours, (4) special investigations due to construction compliance problems, and (5) contract default due to delinquency or insolvency of the contractor(s).
- 12. Verify "as-built" information provided by the construction contractors if full-time inspection is not provided by the **ENGINEER**.
- 13. Perform services as may be specified in a Trust Agreement or Bond Resolution in connection with the **PROJECT.**
- 14. Prepare plans and other necessary documents for the acquisition of land, rights-of-way and easements required for the PROJECT and administer the acquisition program on behalf of the COMMISSION using retained appraisers, title searchers, negotiators and legal counsel.
- 15. Perform other than routine services when required by FAA audit subsequent to the completion of the **PROJECT**.
- Perform testing of soils or field surveys as may be necessary for the proper design and construction of the project.
- 17. Additional services not otherwise provided for by this Supplemental Agreement.

Article III

COMMISSION's Responsibilities

The **COMMISSION's** responsibilities shall include the following:

- 1. Coordinate the COMMISSION's requirements for the PROJECT with the ENGINEER.
- Provide copies of pertinent documents, reports, plans, specifications, photography, standard forms, and other similar data available to the COMMISSION that are required by the ENGINEER for the proper performance of his services.
- 3. Provide information and make decisions as may be required by the **ENGINEER to** prosecute the work in a timely manner.

- 4. Perform, or authorize the **ENGINEER** to arrange to have specialty consultants perform, all necessary test borings, subsurface investigations, testing of soil samples, construction quality control testing, and engineering surveys as may be required by the **ENGINEER** for the proper performance of his services.
- 5. Reimburse the ENGINEER for the actual cost of legal advertisements and of printing contract plans, specifications, and contract documents required for the securing of bids for the PROJECT and for the use by contractors, subcontractors, testing laboratories, and others having need for such documents, less any amount paid to the ENGINEER by prospective bidders or other plan purchasers, for copies of these documents. The above shall not preclude the COMMISSION from causing such advertising or printing to be performed directly by the COMMISSION or other agencies.
- Advertise for and accept proposals from bidders, review the ENGINEER's
 recommendations on the technical qualifications of the bidders and investigate the
 bidder's financial and legal qualifications.
- Review insurance documents submitted by Contractor(s) for conformance with the construction contract documents.

Article IV

Compensation and Payments to the ENGINEER

A. Payment for Basic Services

1. For Services furnished under Article II. A and B and the attached Exhibit "A" Scope of Services, the COMMISSION will pay the ENGINEER as per attached fee schedule with the lump sum amount of Five Hundred Fifty-one Thousand Nine Hundred Sixty and no/100 Dollars (\$551,960.00). Compensation for these services shall be billed by the ENGINEER and paid by the COMMISSION not more than once per month in progress payments in proportion to services performed. In the event that all, or part of the PROJECT, is not completed by the COMMISSION, or if conditions of the PROJECT change during the performance of Basic Services, the appropriate compensation set forth above shall be renegotiated by a mutually agreed upon method.

B. Payment for Additional Services

For Additional Services furnished under Article II. C, the **COMMISSION** will pay the **ENGINEER** an amount to be mutually agreed upon at the time the services are furnished.

C. Payment Procedure

- 1. The ENGINEER shall submit monthly invoices for work performed as described in Article IV. A., payable within thirty (30) days. The amount invoiced will be based on the progress of services performed.
- 2. The ENGINEER will submit invoices for work performed by specialty consultants, as described in Article IV. A., when billed by the specialty consultant and shall attach copies to all statements as approved by the ENGINEER, payable within thirty (30) days.
- 3. The ENGINEER will maintain adequate records in accordance with generally recognized accounting practices which shall be available to the COMMISSION and the FAA for audit at the ENGINEER's office.

Article V

Except as set forth above all provisions and covenants of the ENGINEER Basic Agreement, dated December 4, 2013, shall remain in full force and affect the same as incorporated herein by reference.

IN WITNESS WHEREOF, the Parties hereto have caused these presents to be executed, the day and year first above written.

ATTEST:	SAVANNAH AIRPORT COMMISSION
JISIP/	By: (Chairman)
ATTEST:	MICHAEL BAKER INTERNATIONAL, INC.
Jane L'healen	By: Midual J. Alifer MICHAEL J. RETTER ASSOC. V.P. (Printed Name/Title)

EXHIBIT "A"

SCOPE OF SERVICES

SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN)

QUALIFICATION STATEMENT:

This Task Work Order has been prepared based on the assumptions presented below. If the scope of work deviates from the assumptions presented below which results in a change in the level of effort to perform the required engineering services, then both parties shall negotiate a mutually-agreeable amendment to this Task Work Order.

This project consists of various improvements to the North and South Rental Car Ready Lots located adjacent to the Terminal Building based on the results and recommendations as identified during the Rental Car Ready Lot Study. In addition, this project includes the development of a new common-use remote rental car storage lot located along the north side of Ida J. Gadsden Drive, as well as the development of a new auxiliary common-use remote rental car storage lot located along the south side of Ida J. Gadsden Drive The lots adjacent the terminal will be redesigned to provide for the secure storage of vehicles which will enable the rental car agencies to provide their premier customers with "walk by the counter" service. The new remote rental car storage lot, as well as the new auxiliary remote rental car storage lot, will be designed to allow for flexibility of use to accommodate the seasonal demand by the various rental car agencies. This project will provide pavement, drainage, lighting, security, and customer service improvements to the airport's rental car facilities. It is assumed that sufficient capacity exists to support the new facilities, and therefore the design and coordination of increasing capacity, such as electrical service to the terminal area, is not included in this scope of work. As the design progresses, and if it is discovered that an increase to the terminal area electrical service is necessary, then the effort to design and coordinate this additional work will be addressed in a supplemental Task Work Order.

In general, the South Lot design includes location of and proposed utilities for new exit booths; location of and required utilities for tiger teeth systems; design of two additional canopies; design of a new exit lane; design of a new walkway, new pavement seal coating and markings; design of the replacement of the canopy lighting fixtures; design of new fiber runs in support of upgrades to the CCTV system; and the design of additional vehicular security measures. The preferred development concept as defined during the Rental Car Ready Lot Study is illustrated in the attached Exhibit #1.

In general, the North Lot design includes location of and proposed utilities for new exit booths; location of and required utilities for tiger teeth systems; design of an additional exit and entrance lanes; design of additional walkways; design of new access driveway and access gate to the terminal ramp, new pavement seal coating and markings; design of drainage improvements to address current periodic flooding condition; design of the replacement of the canopy lighting fixtures; design of new fiber runs in support of upgrades to the CCTV system; and the design of additional vehicular security measures. The preferred development concept as defined during the Rental Car Ready Lot Study is illustrated in the attached Exhibit #2.

In general, the new remote common-use Rental Car Storage Lot design includes the improvement of a roughly 6-acre site located between the Enterprise and Hertz vehicle service areas along the north side

of Ida J. Gadsden Drive. The design includes site grading, drainage improvements, new asphalt pavement, parking lot lighting, security fencing, automated gate access, vehicular security measures, pavement marking, and erosion control measures. The project also includes the extension of the airport's fiber optic network to the site to accommodate the future installation of the security cameras. The proposed development area is illustrated in the attached Exhibit #3.

In general, the new auxiliary remote common-use Rental Car Storage Lot design includes the improvement of a roughly 7-acre site located along the south side of Ida J. Gadsden Drive. The design includes site grading, drainage improvements, new asphalt pavement, parking lot lighting, security fencing, automated gate access, vehicular security measures, pavement marking, and erosion control measures. The project also includes the extension of the airport's fiber optic network to the site to accommodate the future installation of the security cameras. Since the need to construct the new auxiliary remote lot is not confirmed at the time of execution of this design Task Work Order, the design activities associated with this portion of the overall improvement program has been structured as a separate additional service, including the related field surveys and geotechnical investigations. The proposed development area is illustrated in the attached Exhibit #4.

DESIGN & PERMIT PHASES

The scope of work for this assignment will generally conform to the standard practices for the development of plans and technical specifications prescribed by the Airport Commission and the City of Savannah, whichever is greater. The scope of work does not include coordination with the FAA related to the need to process or perform work under the terms of a Reimbursable Agreement. The design activities to prepare a set of construction drawings and technical specifications for this assignment include the following:

Preliminary Construction Plans

- Perform a review of airport record drawings and specifications.
- Conduct meetings with Airport and Rental Car Agencies related to scope, schedule, and budget.
- Perform schematic design activities related to the development of a preferred concept of the remote storage lot.
- · Perform topographic field surveys and geotechnical investigations.
- Coordinate with utility owners and local authorities having jurisdiction.

Right-of-Way Plans - Not included

Final Construction Plans

- Prepare final construction plans. Plans will include quantities; typical sections; construction staging and phasing; horizontal and vertical alignments; earthwork cross sections; drainage design and treatment of storm water runoff; signing and marking plans; erosion control plans; canopy architectural, structural, lighting, and foundation plans; utilities plans; fencing, access control, and vehicular security plans; and rental car specific infrastructure plans.
- Prepare estimate of plan quantities and a detailed opinion of the probable cost of construction.
- Coordinate with utility owners for final utility plans, as well as local authorities having jurisdiction, including associated permitting submittal packages.
- · Submit final plans for review and comment.
- Prepare project special provisions, supplemental specifications, and other contract bid documents as required.
- Assist Airport during the Bidding Phase of the project.

SCHEDULE:

A design phase project schedule has not been established at this time. It is assumed that a mutually-agreed upon project schedule will be established as a result of discussions that will occur during the project pre-design meeting.

DBE GOAL:

Opportunities for DBE participation vary from assignment to assignment depending on the disciplines of work associated with each assignment. The level of DBE participation for this assignment is currently estimated at 9.6%, due to the specific disciplines of work associated with this assignment. As the project progresses, the Engineer will continue to pursue opportunities for additional DBE participation.

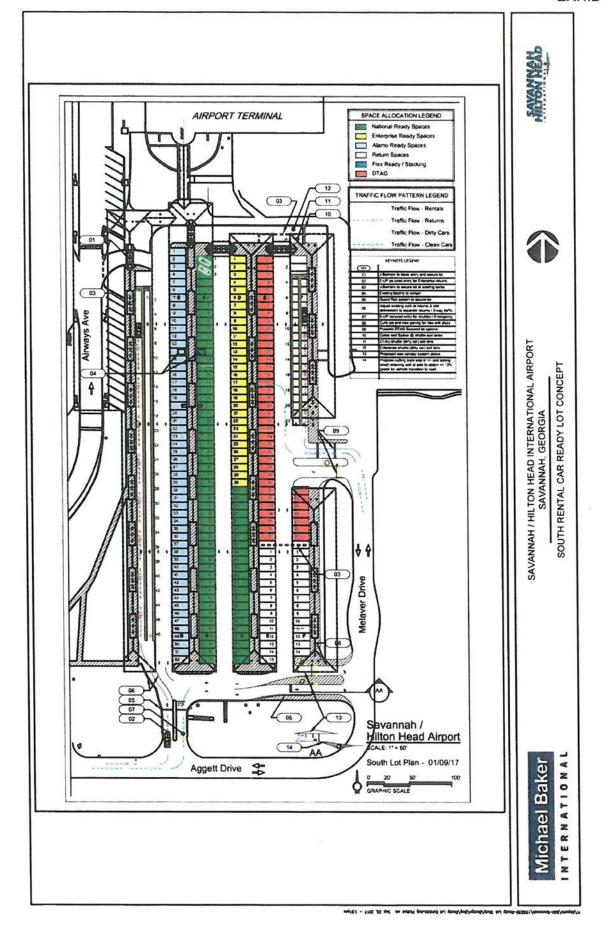
EXHIBIT "A" (Cont'd.)

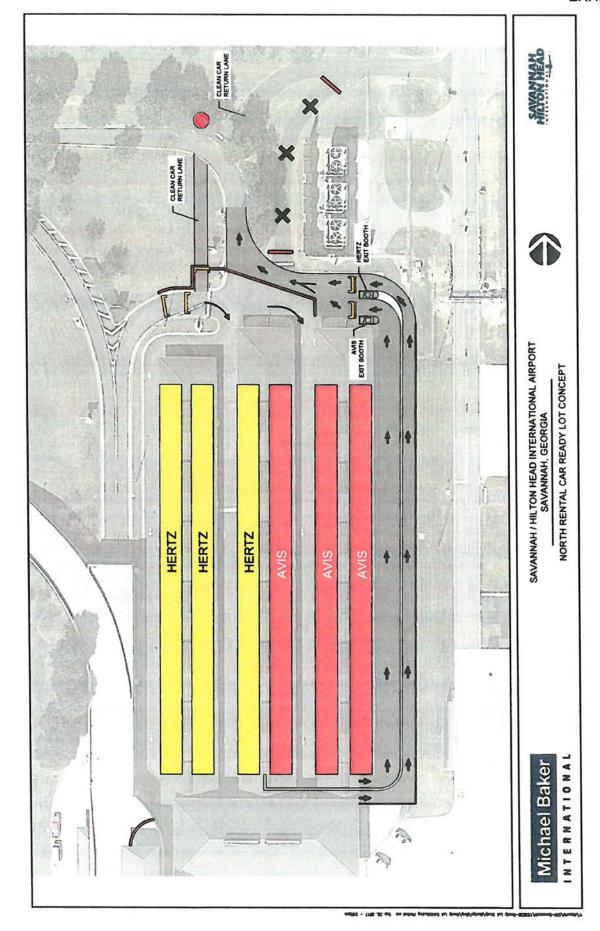
SUMMARY OF ENGINEERING FEES

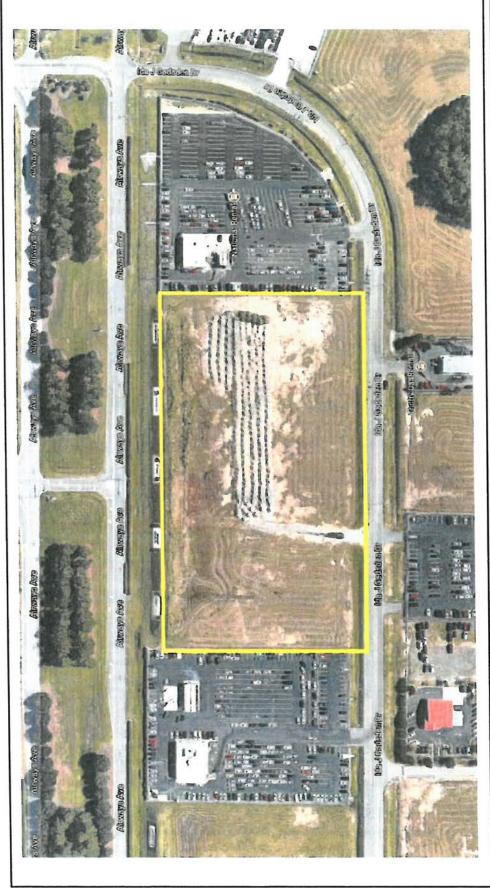
SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN)

As compensation for providing Professional Engineering Basic Services, the COMMISSION shall pay the ENGINEER on a lump sum basis in the following amounts:

PHA:	SES OF WORK	AMOUNT
	(North & South Ready Lots, plus New Remote Lot)	
1	Preliminary Design Phase Services	\$ 53,630.00
2	Final Design Phase Services	\$ 319,790.00
3	Bidding Assistance Phase Services	\$ 13,750.00
4	Pre-Design Field Survey Services	\$ 39,610.00
5	Pre-Design Geotechnical Investigation Services	\$ 14,350.00
6	Permitting Phase Services	\$ 16,550.00
	Sub-Total for Tasks 1 through 6, inclusive	\$ 457,680.00
	(Additional Auxiliary Remote Lot)	
7	Additional Final Design Phase Services	\$ 79,010.00
8	Additional Pre-Design Field Survey Services	\$ 10,530.00
9	Additional Pre-Design Geotechnical Investigation Services	\$ 4,740.00
	Sub-Total for Tasks 7 through 9, inclusive	\$ 94,280.00
тот	AL COMPENSATION (Tasks 1 through 9, inclusive) =	\$ 551,960.00













SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT
SAVANNAH, GEORGIA PROPOSED COMMON RENTAL CAR STORAGE LOT

INTERNATIONAL

Michael Baker









SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT
SAVANNAH, GEORGIA
AUXILIARY RENTAL CAR FACILITY

Michael Baker

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Preliminary Design Phase Services

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
General Coordination with Airport & Rental Agencies related to Evolution of Project Scope	16	16	4	0	0	4
Prepare for & Conduct Pre-Design Conference / Project Site Visit	12	32	12	0	12	8
Prepare for & Conduct Pre-Design Conference / Project Site Visit (Electrical / Telecom Subconsultant)		(Task incl	uded in Subco	nsultant's Sco	pe of Work)	
Peer Review of Airport Record Drawings and Technical Specifications (Civil / Sitework / Architectural / Utilities)	8	24	24	24	0	8
Prepare up to 2 Alternate Schematic Layouts, including Preliminary Budgets (Remote Lot & Auxiliary Remote Lot)	2	0	4	16	0	0
Prepare up to 2 Alternate Schematic Layouts, including Preliminary Budgets (Bus Lane to Public Safety Conversion)	1	0	2	8	0	0
Prepare for & Attend Alternate Schematic Layout Review Meeting with the Airport, including Travel	12	0	12	0	4	2
Prepare for & Attend Rental Agencies Coordination Meetings, including Travel (2 Meetings assumed)	24	0	24	0	8	4
Continue Coordination with Local/Regional Agencies related to Alternate Schematic Layouts	2	16	0	0	0	0
Address Review Comments from Airport & Agencies; Develop Final Preferred Schematic Layout, & Update Budgets	1	8	2	0	0	0
Totals:	78	96	84	48	24	26

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Phase Services

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Continued Coordination with Airport & Rental Agencies related to Project Progress, Project Scope & Construction Phasing	8	8	4	0	0	2
Prepare for & Conduct 50% Plan Review Meeting with Airport (Scope, Schedule, Budget, & Phasing)	12	32	12	0	12	8
Prepare for & Conduct 50% Plan Review Meeting with Airport (Electrical / Telecom)		(Task inclu	ded in Subcor	nsultant's Scop	oe of Work)	
Prepare for & Conduct Construction Phasing Meeting with Airport & Rental Agencies (2 Meetings assumed)	24	0	24	0	12	8
Final Plans (See Listing of Final Design Plan Sheets)	12	253	620	386	454	0
Estimate Quantities and Construction Costs	0	4	12	24	16	0
Subconsultant Support with Estimate of Quantities and Construction Costs		(Task inclu	ided in Subco	nsultant's Scor	pe of Work)	
Finalize Stormwater Model, including associated Calculations	0	8	16	12	0	0
Finalize Conceptual Erosion Control Plan, including associated Calculations	0	4	16	8	0	0
Prepare Civil / Sitework / Architectural Technical Specifications	0	8	16	24	0	40
Prepare Electrical / Telecom Technical Specifications		(Task inclu	uded in Subco	nsultant's Sco	pe of Work)	
Prepare for & Conduct Final Plan Review Meeting with Airport	12	32	12	0	12	8

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Phase Services

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Prepare for & Conduct Final Plan Review Meeting with Airport (Electrical / Telecom)		(Task incli	uded in Subcor	nsultant's Sco	pe of Work)	
Internal Quality Review (Civil / Sitework / Architectural)	0	40	0	0	0	0
Internal Quality Review (Electrical / Telecom)	****	(Task incl	uded in Subco	nsultant's Sco	pe of Work)	
Address Airport Final Plan Review Meeting Comments	4	8	8	0	4	4
Revise, Print, Proof, and Seal Final Version of Bidding Documents, Specs, Plans, & Cost Estimate	0	2	4	8	8	8
Prepare & Submit Final FAA 7460 Forms via Online Process; Prepare & Submit FAA Construction Safety & Phasing Plan (CSPP) to FAA	0	4	4	8	0	4
Totals:	72	403	748	470	518	82

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Cover Sheet	1	0	0	0	0	2	0
General Notes	1	0	0	4	0	4	0
Summary of Quantities	1	0	0	4	0	8	0
Project Layout and Safety Plan	2	2	8	16	0	16	0
Project Layout & Safety Plan Details	1	0	4	4	0	4	0
NORTH & SOUTH READY LOTS	AREA						
Construction Staging & Phasing Plans	4	2	4	8	0	8	0
Benchmark, Layout, & Staking Plans	2	0	2	2	4	0	0
Site Clearing & Demolition Plans	2	2	4	8	0	16	0
Access Roads Detour, Traffic Control, & Signage Plans	2	0	4	8	0	8	0
Access Roads Detour, Traffic Control, & Signage Details	2	0	2	4	0	8	0
Grading & Drainage Plans	2	2	8	16	24	8	0
Drainage Profiles	2	0	2	8	0	12	0
Drainage Details	2	0	2	8	0	12	0
Erosion Control Cover Sheet per Agency Requirements	1	0	2	4	0	4	0
Erosion & Sediment Control Plan - General Notes	3	0	2	4	0	8	0
Erosion Control Layout Plan	2	0	4	8	0	8	0
Erosion & Sediment Control Plan - Watershed Areas	2	0	4	6	0	12	0

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Erosion & Sediment Control Plans - Initial Phase	2	0	2	4	2	6	0
Erosion & Sediment Control Plans - Intermediate Phase	2	0	4	6	4	8	0
Erosion & Sediment Control Plans - Final Phase	2	0	2	4	2	6	0
Erosion & Sediment Control Details	6	0	2	8	0	8	0
Grassing Notes & Grassing Schedule	1	0	2	8	0	4	0
Fencing & Access Control Plans	2	0	2	4	0	8	0
Fencing & Access Control Details	3	0	1	2	0	8	0
Access Control Specialty Details (Gate Arms, Tiger Teeth, etc.)	2	0	2	4	8	0	0
Project Cross Sections	4	0	2	8	0	8	0
Parking Lot & Access Roads Typical Sections	2	1	2	8	0	8	0
Access Road Profiles	2	0	2	8	0	8	0
Parking Lot & Access Roads Asphalt Paving Plans	2	0	4	16	0	16	0
Asphalt Paving Details	2	0	4	12	0	12	0
Pavement Marking & Seal Coat Plans	2	0	2	4	12	0	0
Pavement Marking Details	2	0	2	4	0	8	0
General Notes (Lighting)	3		(Plan Sheet i	ncluded in Sub	consultant's	Scope of Work)
Lighting Demolition Plans	6		(Plan Sheet i	ncluded in Sub	consultant's	Scope of Work)
Lighting Layout Plans	6		(Plan Sheet i	ncluded in Sub	consultant's	Scope of Work)
Miscellaneous Lighting Details	3		(Plan Sheet i	ncluded in Sub	consultant's	Scope of Work)

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
General Notes (Other Utilities)	2	0	2	4	0	8	0
Misc. Utilities Demolition Plans	2	0	4	26	0	16	0
Misc. Utilities Layout Plans	2	0	4	16	0	16	0
Miscellaneous Utilities Details	2	0	2	4	8	0	0
Pump Station / Force Main Layout Plans - North Lot	2	0	8	16	0	16	0
Pump Station / Force Main Details	1	0	2	4	8	0	0
New Canopy Layout Plans - South Lot	2	0	8	16	16	0	0
New Canopy Elevations - South Lot	1	0	4	8	16	0	0
New Canopy Roof Plans - South Lot	2	0	8	16	16	0	0
New Canopy Foundation Plans - South Lot	2	0	8	16	16	0	0
New Canopy Sections & Details	6	0	6	24	24	0	0
New Canopy Lighting Plans - South Lot	2		(Plan Sheet in	ncluded in Sub	oconsultant's S	Scope of Work)
New Canopy Lighting Details	2		(Plan Sheet i	ncluded in Sub	consultant's S	Scope of Work)
Exit Booth Detail Plans	4	0	8	24	24	0	0
Exit Booth Details	2	0	4	8	0	8	0
Customer Service Booth Detail Plans	5	0	10	30	30	0	0
Customer Service Booth Details	2	0	4	8	0	8	0
Fiber / CCTV Layout Plans	6	0	12	24	48	0	0
Fiber / CCTV Details	2	0	16	16	16	0	0

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
REMOTE STORAGE LOT					2005	-la-	
Construction Staging & Phasing Plans	1	1	2	4	0	4	0
Benchmark, Layout, & Staking Plans	2	0	2	4	8	0	0
Site Clearing & Demolition Plans	2	0	2	8	0	16	0
Grading & Drainage Plans	2	2	8	24	36	12	0
Drainage Profiles	2	0	2	4	0	8	0
Drainage Details	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plan	s)
Erosion Control Cover Sheet per Agency Requirements	0	(Plan Sheet previously accounted for within Listing of Plans)					
Erosion & Sediment Control Plan - General Notes	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plan	s)
Erosion Control Layout Plan	1	0	2	4	0	4	0
Erosion & Sediment Control Plan - Watershed Areas	1	0	2	4	0	8	0
Erosion & Sediment Control Plans - Initial Phase	2	0	2	8	4	12	0
Erosion & Sediment Control Plans - Intermediate Phase	2	0	4	12	8	16	0
Erosion & Sediment Control Plans - Final Phase	2	0	2	8	4	12	0
Erosion & Sediment Control Details	0	(Plan Sheet pr	eviously accou	inted for within	Listing of Plan	ıs)
Grassing Notes & Grassing Schedule	0	(Plan Sheet pr	eviously accou	inted for within	Listing of Plan	ıs)
Fencing & Access Control Plans	1	0	2	4	0	8	0
Fencing & Access Control Details	0	(Plan Sheet pr	eviously accou	inted for within	n Listing of Plan	ns)

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Access Control Specialty Details (Gate Arms, Tiger Teeth, etc.)	0	(1	Plan Sheet pre	eviously accoun	nted for within	Listing of Plans	s)
Project Cross Sections	6	0	3	12	0	12	0
Parking Lot & Access Roads Typical Sections	1	0	2	4	0	4	0
Access Road Profiles	1	0	1	4	0	4	0
Parking Lot & Access Roads Asphalt Paving Plans	2	0	2	16	0	16	0
Asphalt Paving Details	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
Pavement Marking Plans	2	0	2	4	8	0	0
Pavement Marking Details	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
General Notes (Lighting)	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
Lighting Demolition Plans	1		(Plan Sheet i	ncluded in Sub	oconsultant's S	Scope of Work)
Lighting Layout Plans	2		(Plan Sheet i	ncluded in Sub	consultant's	Scope of Work)
Miscellaneous Lighting Details	2		(Plan Sheet i	ncluded in Sub	consultant's	Scope of Work)
Fiber / CCTV Layout Plans	4	0	8	16	32	0	0
Fiber / CCTV Details	2	0	8	8	8	0	0
Totals:	176	12	253	620	386	454	0

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Bidding Assistance Phase Services

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Prepare Advertisement & "For-Bid" Document Set; Submit to Owner for Publication	2	0	0	0	2	2
Prepare for & Conduct Pre-Bid Conference	12	0	12	0	4	4
Communicate & Investigate Questions from Prospective Bidders	4	8	12	0	0	0
Subconsultant Support regarding Questions from Prospective Bidders		(Task incl	uded in Subco	nsultant's Sco	pe of Work)	
Prepare & Coordinate Written Addendum (1 addenda assumed)	2	0	2	0	0	4
Prepare for & Conduct Bid Opening		(Task n	ot anticipated	for this Scope	of Work)	
Review Bids and Prepare Certified Bid Tabulation	2	0	4	0	0	8
Totals:	22	8	30	0	6	18

COST BREAKDOWN

FOR

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

BASIC SERVICES

	PRELIMINARY	FINAL	BIDDING	
	DESIGN PHASE	DESIGN PHASE	ASSISTANCE PHASE	TOTAL
	7,11,02		7	
CLASSIFICATION	HOURS	HOURS	HOURS	HOURS
Project Manager	78	72	22	172
Senior Engineer	96	403	8	507
Engineer	84	748	30	862
Designer	48	470	0	518
Technician	24	518	6	548
Technical Assistant	26	82	18	126
TOTAL HOURS	356	2293	84	2733
TASK COST	\$48,776.00	\$269,166.00	\$10,852.00	\$328,794.00
DIRECT EXPENSES				
Travel	\$3,500.00	\$4,200.00	\$700.00	\$8,400.00
Per Diem	\$1,000.00	\$1,200.00	\$200.00	\$2,400.00
Reproduction	\$300.00	\$1,800.00	\$300.00	\$2,400.00
Postage	\$54.00	\$194.00	\$48.00	\$296.00
Subconsultants				
Electrical - Labor & Expenses	\$0.00	\$39,300.00	\$1,500.00	\$40,800.00
MBI Admin Fee @ 10%	\$0.00	\$3,930.00	\$150.00	\$4,080.00
TOTAL EXPENSES	\$4,854.00	\$50,624.00	\$2,898.00	\$58,376.00
TOTAL COSTS	\$53,630.00	\$319,790.00	\$13,750.00	\$387,170.00

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Pre-Design Field Surveys

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant	
Prepare & Coordinate Survey Sub- Consultant RFP	0	2	4	0	2	2	
Field Oversight of Surveying Sub- Consultant	(Task not Anticipated for this Agreement)						
Continued Coordination with Sub- Consultant	0	8	0	0	0	0	
Review Sub-Consultant Deliverables for Compliance with RFP	0	2	4	8	0	0	
Totals:	0	12	8	8	2	2	

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Pre-Design Geotechnical Investigation

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant	
Prepare & Coordinate Geotechnical Investigation Sub-Consultant RFP	0	2	4	0	2	2	
Field Oversight of Geotechnical Sub- Consultant	(Task not Anticipated for this Agreement)						
Continued Coordination with Sub- Consultant	0	4	0	0	0	0	
Review Sub-Consultant Deliverables for Compliance with RFP	0	2	8	0	4	0	
Totals:	0	8	12	0	6	2	

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Perrmitting Phase

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
General Permitting Coordination with Owner and City of Savannah	2	0	2	0	0	2
Prepare for & Conduct City of Savannah Project Kick-off Meeting (1 Meeting assumed)	12	0	4	0	2	2
Prepare Erosion Control Permit Documents, including supporting Checklists and Calculations	2	0	16	0	12	2
Submit Permit Documents & Conduct City of Savannah Plan Review Meeting (1 Meeting assumed)	12	16	4	0	2	2
Address City of Savannah Plan Review Comments; Submit Revised Permit Documents and supporting Data for Approval	2	0	8	0	4	4
Totals:	30	16	34	0	20	12

COST BREAKDOWN FOR

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

SPECIAL SERVICES

	FIELD SURVEYS	GEOTECHNICAL INVESTIGATION	PERMITTING PHASE	TOTAL
CLASSIFICATION	HOURS	HOURS	HOURS	HOURS
Project Manager	0	0	30	30
Senior Engineer	12	8	16	36
Engineer	8	12	34	54
Designer	8	0	0	8
Technician	2	6	20	28
Technical Assistant	2	2	12	16
TOTAL HOURS	32	28	112	172
TASK COST	\$4,090.00	\$3,466.00	\$14,702.00	\$22,258.00
DIRECT EXPENSES				
Travel	\$0.00	\$0.00	\$1,000.00	\$1,000.00
Per Diem	\$0.00	\$0.00	\$200.00	\$200.00
Reproduction	\$50.00	\$50.00	\$600.00	\$700.00
Postage	\$50.00	\$54.00	\$48.00	\$152.00
Subconsultants				
Surveyor - Labor & Expenses	\$32,200.00	\$0.00	\$0.00	\$32,200.00
Geotechnical - Labor & Expenses	\$0.00	\$9,800.00	\$0.00	\$9,800.00
MBI Admin Fee @ 10%	\$3,220.00	\$980.00	\$0.00	\$4,200.00
TOTAL EXPENSES	\$35,520.00	\$10,884.00	\$1,848.00	\$48,252.00
TOTAL COSTS	\$39,610.00	\$14,350.00	\$16,550.00	\$70,510.00

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Additional Final Design Phase Services

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant	
Additional Continued Coordination with Airport, Rental Agencies, & Utilities	16	8	16	0	0	8	
Final Plans (See Listing of Final Design Plan Sheets)	3	48	140	100	136	0	
Estimate Quantities and Construction Costs	0	2	4	4	2	0	
Subconsultant Support with Estimate of Quantities and Construction Costs		(Task incl	uded in Subco	nsultant's Sco	pe of Work)		
Finalize Stormwater Model, including associated Calculations	0	4	8	12	0	0	
Finalize Conceptual Erosion Control Plan, including associated Calculations	0	2	8	8	0	0	
Prepare Civil / Sitework / Architectural Technical Specifications		(Task previo	ously accounte	ed for within So	cope of Work)		
Prepare Electrical / Telecom Technical Specifications		(Task incl	uded in Subco	nsultant's Sco	pe of Work)		
Internal Quality Review (Civil / Sitework / Architectural)	0	8	0	0	0	0	
Internal Quality Review (Electrical / Telecom)	(Task included in Subconsultant's Scope of Work)						
Address Airport Final Plan Review Meeting Comments	4	8	8	0	4	4	
Totals:	23	80	184	124	142	12	

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Additional Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant	
AUXILIARY REMOTE STORAGE	LOT			· · · · · · · · · · · · · · · · · · ·				
Construction Staging & Phasing Plans	1	1	2	4	0	4	0	
Benchmark, Layout, & Staking Plans	2	0	2	4	8	0	0	
Site Clearing & Demolition Plans	2	0	2	8	0	16	0	
Grading & Drainage Plans	2	2	8	24	36	12	0	
Drainage Profiles	2	0	2	4	0	8	0	
Drainage Details	0	(1	Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)	
Erosion Control Cover Sheet per Agency Requirements	0	(Plan Sheet previously accounted for within Listing of Plans)						
Erosion & Sediment Control Plan - General Notes	0	(Plan Sheet previously accounted for within Listing of Plans)						
Erosion Control Layout Plan	1	0	2	4	0	4	0	
Erosion & Sediment Control Plan - Watershed Areas	1	0	2	4	0	8	0	
Erosion & Sediment Control Plans - Initial Phase	2	0	2	8	4	12	0	
Erosion & Sediment Control Plans - Intermediate Phase	2	0	4	12	8	16	0	
Erosion & Sediment Control Plans - Final Phase	2	0	2	8	4	12	0	
Erosion & Sediment Control Details	0	(Plan Sheet previously accounted for within Listing of Plans)						
Grassing Notes & Grassing Schedule	0	(Plan Sheet previously accounted for within Listing of Plans)					s)	
Fencing & Access Control Plans	1	0	2	4	0	8	0	
Fencing & Access Control Details	0	(Plan Sheet pro	eviously accou	nted for within	Listing of Plan	s)	

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Additional Final Design Plan Listing

Item/Task Description	No. of Dwgs.	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Access Control Specialty Details (Gate Arms, Tiger Teeth, etc.)	0	(1	Plan Sheet pre	eviously accoun	nted for within	Listing of Plans	s)
Project Cross Sections	6	0	3	12	0	12	0
Parking Lot & Access Roads Typical Sections	1	0	2	4	0	4	0
Access Road Profiles	1	0	1	4	0	4	0
Parking Lot & Access Roads Asphalt Paving Plans	2	0	2	16	0	16	0
Asphalt Paving Details	0	(1	Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
Pavement Marking Plans	2	0	2	4	8	0	0
Pavement Marking Details	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
General Notes (Lighting)	0	(1	Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
Lighting Demolition Plans	1		(Plan Sheet i	ncluded in Sub	consultant's S	Scope of Work)
Lighting Layout Plans	1		(Plan Sheet i	ncluded in Sub	consultant's S	Scope of Work)
Miscellaneous Lighting Details	2		(Plan Sheet i	ncluded in Sub	consultant's S	Scope of Work)
Fiber / CCTV Layout Plans	4	0	8	16	32	0	0
Fiber / CCTV Details	0	(Plan Sheet pre	eviously accou	nted for within	Listing of Plans	s)
Totals:	38	3	48	140	100	136	0

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Additional Pre-Design Field Surveys

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant
Field Oversight of Surveying Sub- Consultant (2 Weeks assumed)		(Task	not Anticipate	d for this Agre	ement)	
Continued Coordination with Sub- Consultant	0	8	0	0	0	0
Review Sub-Consultant Deliverables for Compliance with RFP	0	2	4	8	0	0
Totals:	0	10	4	8	0	0

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

HOUR ESTIMATE

Additional Pre-Design Geotechnical Investigation

Item/Task Description	Project Manager	Senior Engineer	Engineer	Designer	Technician	Technical Assistant	
Field Oversight of Geotechnical Sub- Consultant (1 Week assumed)	(Task not Anticipated for this Agreement)						
Continued Coordination with Sub- Consultant	0	4	0	0	0	0	
Review Sub-Consultant Deliverables for Compliance with RFP	0	2	8	0	4	0	
Totals:	0	6	8	0	4	0	

COST BREAKDOWN

FOR

SAVANNAH AIRPORT COMMISSION SAVANNAH / HILTON HEAD INTERNATIONAL AIRPORT

COMMON RENTAL CAR FACILITY IMPROVEMENTS (DESIGN PHASE)

BASIC & SPECIAL SERVICES (AUXILIARY REMOTE LOT)

	ADDITIONAL FINAL DESIGN	ADDITIONAL FIELD	ADDITIONAL GEOTECHNICAL	
	PHASE	SURVEYS	INVESTIGATION	TOTAL
CLASSIFICATION	HOURS	HOURS	HOURS	HOURS
Project Manager	23	0	0	23
Senior Engineer	80	10	6	96
Engineer	184	4	8	196
Designer	124	8	0	132
Technician	142	0	4	146
Technical Assistant	12	0	0	12
TOTAL HOURS	565	22	18	605
TASK COST	\$65,458.00	\$2,948.00	\$2,324.00	\$70,730.00
DIRECT EXPENSES				
Travel	\$0.00	\$0.00	\$0.00	\$0.00
Per Diem	\$0.00	\$0.00	\$0.00	\$0.00
Reproduction	\$300.00	\$50.00	\$50.00	\$400.00
Postage	\$52.00	\$52.00	\$56.00	\$160.00
Subconsultants				
Electrical - Labor & Expenses	\$12,000.00	\$0.00	\$0.00	\$12,000.00
Surveyor - Labor & Expenses	\$0.00	\$6,800.00	\$0.00	\$6,800.00
Geotechnical - Labor & Expenses	\$0.00	\$0.00	\$2,100.00	\$2,100.00
MBI Admin Fee @ 10%	\$1,200.00	\$680.00	\$210.00	\$2,090.00
TOTAL EXPENSES	\$13,552.00	\$7,582.00	\$2,416.00	\$23,550.00
TOTAL COSTS	\$79,010.00	\$10,530.00	\$4,740.00	\$94,280.00