

CONTRACT FOR DESIGN PROFESSIONAL SERVICES
FOR PROJECT NOS. 8325 19 & 8330 20
REMAIN OVERNIGHT AIRCRAFT PARKING APRONS

BETWEEN

HILLSBOROUGH COUNTY AVIATION AUTHORITY

AND

KIMLEY-HORN AND ASSOCIATES, INC.

DATED JUNE 6, 2019

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CONTRACT FOR DESIGN PROFESSIONAL SERVICES

This Contract for Design Professional Services is made and entered into this 6th day of June, 2019 by and between the Hillsborough County Aviation Authority, an independent special district under the laws of the State of Florida, hereinafter referred to as the "Owner", and Kimley-Horn and Associates, Inc., a North Carolina Corporation, authorized to do business in the State of Florida, hereinafter referred to as the "Design Professional". The Owner and the Design Professional hereby agree as follows:

ARTICLE 1 - PROJECT

The project, hereinafter referred to as the Project, is as follows:

Provide design professional services in accordance with Section 287.055, Florida Statutes, in connection with the Remain Overnight Aircraft Parking Aprons at Tampa International Airport.

ARTICLE 2 - CONTRACT ADMINISTRATION

This Contract will be administered by the Owner's Chief Executive Officer or designee.

ARTICLE 3 - SERVICES BY THE DESIGN PROFESSIONAL

3.1 The services that the Design Professional will provide to the Owner under this Contract will be as follows, and in general accordance with the Owner's Request for Qualifications dated December 5, 2018, entitled "Request for Qualifications for Remain Overnight Aircraft Parking Aprons at Tampa International Airport, Tampa, Florida", the Design Professional's response to the Owner's Request for Qualifications dated December 5, 2018, entitled "Remain Overnight Aircraft Parking Aprons", which are both incorporated herein by reference, and the Design Professional's Fee and Scope Proposal dated May 28, 2019, entitled "Scope and Fee Proposal Hillsborough County Aviation Authority Remain Overnight Aircraft Parking Aprons" which is attached hereto as Attachment 1 and incorporated herein by reference. In the event of any conflicts between this Contract and any other documents, the precedence in resolving such conflicts will be as follows:

- 3.1.1 This Contract
- 3.1.2 Individual work order and Design Professional's associated Fee and Scope Proposal
- 3.1.3 The Owner's Request for Qualifications
- 3.1.4 Design Professional's response to Request for Qualifications

3.2 Design Professional designates Paul Piro, P.E., whose business address is 655 N. Franklin Street, Suite 150 Tampa, FL 33602, and who is a qualified licensed professional, to serve as the project manager. The project manager will be authorized and responsible to act on behalf of the Design Professional with respect to directing, coordinating and administering all aspects of the services to be provided and performed under this Contract. Design Professional designates Brooks Peed, whose title is Chairman Emeritus, Director, whose business address is 445 24th Street Suite 200 Vero Beach, FL 32960, to have full authority to bind and obligate the Design Professional on all matters arising out of or relating to this Contract. The Design Professional agrees that the project manager will devote whatever time is required to satisfactorily manage the services to be provided and performed by the Design Professional hereunder. Any replacement of the project manager will be subject to the prior approval and acceptance of the Owner.

3.3 Not used.

3.4 Not used.

3.5 The Design Professional agrees, within seven days of receipt of a written request from the Owner, to promptly remove and replace the project manager, or any other personnel employed or retained by the Design Professional, or any subconsultants or subcontractors or any personnel of any such subconsultants or subcontractors engaged by the Design Professional to provide and perform services or work pursuant to the requirements of this Contract, whom the Owner will request in writing to be removed, which request may be made by the Owner with or without cause.

3.6 Work Order Process - work orders are intended to be discrete working documents that will provide, in summary form, the background and factual context within which a particular work element or series of work elements will be completed by the Design Professional. Each work order will include a scope of services, level of effort and related costs. Work orders will be construed to be in addition to, supplementary to, and consistent with the provisions of this Contract. Upon request by the Owner, Design Professional will prepare and submit a work order to the Owner for review and approval. Work order forms will be provided by the Owner along with a detailed outline of design deliverables. Contracts involving multiple project numbers or airport locations will require work orders to identify basic services and reimbursement expense amounts per project and/or location.

3.7 The Design Professional will perform professional services provided for in each work order executed between the parties. Such professional services will be performed in accordance with the terms of this Contract. The Design Professional will be solely responsible for the technical completeness and accuracy of all work performed under this Contract.

3.8 The Design Professional will comply with all Owner Rules and Regulations, Policies, Standard Procedures and Operating Directives.

3.9 The Design Professional is required to hire qualified consultants for the design phase of

the Project.

3.10 The Design Professional will review laws applicable to design and construction of the Project, correlate such laws with the Owner's Project requirements and advise the Owner if any Project requirement may cause a violation of such laws. Necessary changes to the Owner's Project will be accomplished by appropriate written modification or disclosed by written notification to the Owner. For the plans, specifications, construction contract documents, and any and all other engineering, construction and contractual documents produced by the Design Professional, the Design Professional will certify that:

3.10.1 The plans, specifications, construction contract documents, and any and all other engineering, construction and contractual documents shall be developed in accordance with sound engineering and design principles, and with generally accepted professional standards.

3.10.2 The plans, specifications, construction contract documents, and any and all other engineering, construction and contractual documents shall be consistent with the intent of the Project as defined in the FDOT Public Transportation Grant Agreement.

3.10.3 A review of the certification requirements listed in Section B.2. of Exhibit E of the FDOT Public Transportation Grant Agreement and a determination as to their applicability to this Project is performed.

3.10.4 The plans shall comply with all applicable laws, ordinances, zoning and permitting requirements, public notice requirements, and other similar regulations.

3.11 The Design Professional will comply fully with all applicable federal, state, county, municipal and other governmental laws, executive orders, wage, hour and labor, equal employment opportunity, disadvantaged business enterprises, pollution control and environmental regulations, applicable national and local codes, Florida Department of Transportation (FDOT) Policies, Guidelines, Standards, Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Commonly referred to as the "Florida Green Book"), Manual on Uniform Traffic Control Devices and requirements, FAA Advisory Circulars, and Owner's Rules and Regulations. Any projects with FDOT funding require the Design Professional to comply with all applicable provisions of the FDOT Public Transportation Grant Agreement. The Design Professional will obtain all necessary permits, pay all required charges, fees and taxes and otherwise perform these services in a legal manner. In the event that any construction occurs on FDOT right of way, the Design Professional shall comply with all FDOT requirements contained in Exhibit C of the FDOT Public Transportation Grant Agreement.

3.12 When the Contractor considers that the whole work included in a construction contract, or a portion thereof designated in the contract documents for separate completion, is complete, the Contractor will notify the Owner and Design Professional in writing of the completion of the portion or the whole of the construction; and for all design work that originally required certification by a Professional Engineer, the Design Professional shall

provide an Engineer's Certification of Compliance, signed and sealed by a Professional Engineer, the form of which is attached to the FDOT Public Transportation Grant Agreement to the Owner and Contractor in a timely manner. The certification shall state that work has been completed in compliance with the Project construction plans and specifications. If any deviations are found from the approved plans or specifications, the certification shall include a list of all deviations along with an explanation that justifies the reason to accept each deviation.

ARTICLE 4 - TIME

4.1 Services to be rendered by the Design Professional will commence subsequent to the execution of this Contract in accordance with each work order. Time is of the essence with respect to the performance of this Contract.

4.2 Should the Design Professional fail to commence, provide, perform or complete any of the services to be provided in a timely and diligent manner, in addition to any other rights or remedies available to the Owner, the Owner at its sole discretion and option may withhold any and all payments due and owing to the Design Professional until such time as the Design Professional resumes performance of its obligations in such a manner so as to satisfy the Owner.

ARTICLE 5 - PAYMENTS TO THE DESIGN PROFESSIONAL

5.1 The amount for the performance of basic services required under this Contract, and costs identified as direct and reimbursable expenses, will be in a not-to-exceed amount of Three Million Two Hundred Three Thousand Eight Hundred Fifty Nine and No One Hundredth Dollars (\$3,203,859), which includes all fees for subconsultants.

5.2 Not Used.

5.3 Not Used.

5.4 Invoiced amounts will be based on the Design Professional's and team member's most recent audited overhead rate or agreed upon overhead rate, personnel direct labor rates, negotiated profit and actual time billed to the Project as substantiated by backup acceptable to the Owner and supported by monthly progress reports:

Conceptual/Schematic Design Phase	-	Up to 15%
Design Development Phase	-	Up to 30%
Construction Document Phase through award of Contract	-	Up to 80%
Construction Phase	-	Up to 100%

5.4.1 Invoiced amounts for multiple projects or multiple locations must be identified per project and/or location.

5.4.2 All subconsultant agreements must be submitted at time of billing. Subconsultant agreements must include a provision providing the Owner the same rights to audit

at the subconsultant level in all of its subconsultant agreements executed to effect project completion.

- 5.4.3 An employee basic services spreadsheet based on the Fee and Scope Proposal in Excel format listing the employee's name, employee's classification and employee's raw rate must be submitted before the professional service invoice submittal. If there are changes such as new employees, new classification or new raw rate, then a labor change indicator must be completed on an updated basic services spreadsheet. Any changes to an employee basic services spreadsheet must have prior approval by the Owner. All basic service billings must be accompanied by a rate & hour verification sheet submitted within the submittal as well as in Microsoft Excel format.
- 5.4.4 Basic services invoices that are submitted with a professional service invoice that are older than 90 days before the submission date will not be reimbursed. Basic services performed before the work order effective date will not be reimbursed.
- 5.4.5 Timesheets are required as supporting backup for all basic services invoice amounts. Hours billed must be clearly identified.
- 5.4.6 Overtime on any basic services must be pre-approved by the Owner.
- 5.4.7 Basic services must be organized using standard separators to identify the basic services being billed.
- 5.4.8 Rebalancing between tasks or fees must be requested with the first overage billing, along with an explanation for the overage and confirmation that the total Contract amount will not be exceeded. Proposed supporting sheets are to be submitted at the request for rebalancing.
- 5.4.9 All permit requirements, acceptable deliverables and badges are required to be submitted seven days before submission of a final professional service invoice.
- 5.4.10 If deficiencies are found, a standard deficiency e-mail will be sent to the Design Professional to resolve within three business days. If the deficiency is not resolved within that time, the professional service invoice will be returned.

5.5 Payments for Reimbursable Expenses. The Design Professional will be reimbursed at cost for all expenses, except travel and subsistence which will be reimbursed in accordance with Owner Policy, in an amount not to exceed the maximum reimbursable amount provided for in each individual work order. Each work order under this Contract will identify the type of expenses that will be eligible for reimbursement and the maximum reimbursable amount for that work order. As specified hereinafter, the Design Professional's direct and reimbursable expenses include only:

- 5.5.1 The cost of securing a recognized testing laboratory which will perform all soils

and sub-surface investigations, tests, reports and recommendations required for schematic and final design and construction of the Project.

- 5.5.2 The cost of securing a recognized testing laboratory which will perform all necessary testing of materials and all shop and mill inspection of materials and equipment as will be required during construction of the assigned work in the Project.
- 5.5.3 The cost of boundary surveys, topographic surveys, land surveys, establishment of boundaries and monuments, field surveys, photogrammetry, field layouts of construction, construction layout, control staking, and related office computations and drafting.
- 5.5.4 The cost of outside special consultants to advise and assist Design Professional throughout the Project.
- 5.5.5 The actual cost of reproduction of review plans and specifications, the construction contract plans and specifications required for the securing of bids for the assigned work in the Project and for the use of contractors, subcontractors, testing laboratories, and others having need for such prints during construction.
- 5.5.6 All costs for long distance telephone calls, postage and overnight express delivery and couriers related to the Project.
- 5.5.7 Expenses for parking at Tampa International Airport and transportation related to the Project including airplane travel and automobile; and, in the event overnight travel related to the Project is required, cost of meals and lodging. Only travel expenses incurred in the performance of the Owner's business are reimbursable. The most efficient and economical means of transportation is required. All travel must be pre-approved by the Owner. Employee expense sheets are required as well as supporting original or legible copies of all receipts.
- 5.5.8 Materials for study models, film and processing expenses.
- 5.5.9 The actual costs of all fees and permits required by and paid to agencies having jurisdiction. This does not include impact or development fees paid directly by the Owner or building permit fees paid by the construction contractor.
- 5.5.10 Invoiced amounts for multiple projects or multiple locations must be identified per project and/or location.
- 5.5.11 All subconsultant signed agreements must be submitted at time of billing. Subconsultant agreements must include a provision providing the Owner the same rights to audit at the subconsultant level in all of its subconsultant agreements executed to effect project completion.

- 5.5.12 Receipts/Invoices that are submitted with a professional service invoice that are older than 90 days before the submission date will not be reimbursed. Receipts/Invoices for expenses before the work order effective date will not be reimbursed.
- 5.5.13 Mileage within the Tri-County Area (Hillsborough, Pinellas, Pasco) will not be reimbursed. Mileage is part of travel which must be pre-approved by the Owner.
- 5.5.14 Legible copies of receipts/invoices that have not been altered are required for reimbursement. Receipts/Invoices must be identified by employee and employer, and include justification of expense.
- 5.5.15 Equipment purchased for and paid by the Owner must be identified when invoiced so that an asset tag can be attached to that equipment. A detail listing in Excel format must be submitted with the invoice when equipment is purchased.
- 5.5.16 No purchases of alcohol will be reimbursed by the Owner.
- 5.5.17 Meals for Owner or local consultant staff members will not be reimbursed.
- 5.5.18 No front loading on Progress Payments is allowed. Progress Payments are limited to the actual invoiced amounts.
- 5.5.19 Pre-approval from the Owner is necessary for office or petty cash expenditures.
- 5.5.20 Reimbursable expenses must be presented as a package organized in the following manner: Reimbursement Tracking Form, actual invoices identifying item numbers as it appears on the Reimbursement Tracking Form. The Reimbursement Tracking Form is required to be submitted electronically in Microsoft Excel format, as is the supporting documentation for the submitted professional service invoice.
- 5.5.21 Rebalancing between tasks or fees must be requested with the first overage billing, along with an explanation for the overage and confirmation that the total Contract amount will not be exceeded. Proposed supporting sheets are to be submitted at the request for rebalancing.
- 5.5.22 All permit requirements, acceptable deliverables and badges are required to be submitted seven days before submission of a final professional service invoice.
- 5.5.23 If deficiencies are found, a standard deficiency e-mail will be sent to the Design Professional to resolve within three business days. If the deficiency is not resolved within that time, the professional service invoice will be returned.

5.6 In the event that it is established during the design phase that there will be substantial changes to the scope of the Project as originally proposed and upon which the compensation is based, a change in said compensation will be negotiated prior to further development of the

design.

5.7 One executed original sworn and notarized invoice for services, verified to the satisfaction of the Owner, will be rendered by the twenty-fifth of each month electronically to DesignInvoice@TampaAirport.com. The Design Professional will submit with each invoice one original of a detailed accounting of the value of work performed to date by certified Woman and Minority Owned Business Enterprises (W/MBE). This accounting will include the names and addresses of W/MBEs that have participated, a description of the work each named W/MBE has performed, and the value of work performed by each named W/MBE. The Design Professional will also submit with each invoice a Rate & Hour Verification Sheet and a Reimbursement Tracking Form, both in Microsoft Excel format.

5.8 Whenever compensation is paid to the Design Professional on a reimbursable basis, records as to the direct expense will be kept on a generally recognized accounting basis and will be submitted with each invoice.

5.9 Any compensation paid pursuant to a not-to-exceed amount will constitute full payment for all costs including, but not limited to, employee benefits, overhead, general administrative costs, profit and all other unallocated expenses.

5.10 The Design Professional agrees to pay each subcontractor under this Contract for satisfactory performance of its agreement no later than 10 days from the receipt of each payment the Design Professional receives from the Owner. The Design Professional agrees further to release retainage payments to each subconsultant within 10 days after the subconsultant's work is satisfactorily completed. Any delay or postponement of payment from the above-referenced time frame may occur only for good cause following written notice to the Owner. This clause applies to both D/W/MBE and non-D/W/MBE subconsultant.

5.11 With the exception of the month of September, all applications for payment will be submitted to the Authority by the twenty-fifth of each month. In the event that the twenty-fifth of the month falls on a Saturday or Sunday, applications for payment are due the next business day. Payment will be made by the third Friday of the month. Applications for payment submitted more than 20 days prior to the third Friday of the month will be rejected and returned. Due to the end of fiscal year financial closeout, September applications for payment will be submitted by September 19th, and in the event that the 19th falls on a Saturday or Sunday, applications for payment are due the next business day and subsequent payments will be made the second Friday of October. Such applications for payment submitted more than 20 days prior to the second Friday of October will be rejected and returned.

5.12 The Design Professional is required to provide all information and supporting documentation required to enable the Owner to receive any applicable state or federal grants.

ARTICLE 6 - OWNER'S RIGHT TO PERFORM AUDITS, INSPECTIONS, OR ATTESTATION ENGAGEMENTS

6.1 Engagement(s) as used in this Contract include, but are not limited to, Audits, Inspections, or Attestation Engagements. In connection with payments to the Design Professional under this

Contract, it is agreed the Design Professional will maintain adequate records in accordance with generally accepted accounting practices. The Owner, Florida Department of Transportation, Federal Aviation Administration, Federal Highway Administration, Florida Department of Financial Services, Florida Auditor General, Florida Inspector General, Florida Chief Financial Officer, and the Comptroller General of the United States, or any duly authorized representative of each, have the right to initiate and perform Engagements over the Design Professional's records for the purpose of determining payment eligibility under the Contract or over selected operations performed by Design Professional under this Contract for the purpose of determining compliance with the Contract. Access will be to all of the Design Professional's records, including books, documents, papers, and records of Design Professional directly pertinent to this Contract or any work order, as well as records of parent, affiliate and subsidiary companies. If the records are kept at locations other than Tampa International Airport, Design Professional will arrange for said records to be brought to a location convenient to Owner's auditors to conduct Engagements as set forth in this Article. Or, Design Professional may transport Owner's team to location where the records are kept other than Tampa International Airport for purposes of undertaking Engagements. In such event, Design Professional will pay reasonable costs of transportation, food and lodging for Owner's team in accordance with Owner's Travel and Business Development Expenses Policy. Design Professional agrees to deliver or provide access to all records requested by Owner's auditors within 14 calendar days of the request at the initiation of Engagement and to deliver or provide access to all other records requested during the Engagement within 7 calendar days of each request. The parties recognize that Owner will incur damages if records requested by Owner's auditors are not provided in a timely manner and that the amount of those costs is difficult to determine with certainty. Consequently, the parties agree that Design Professional may be charged liquidated damages of \$100.00, for each item in a records request, per calendar day, for each time Design Professional is late in submitting requested records to perform an Engagement. Accrual of fee will continue until specific performance is accomplished. This liquidated damages rate is not an exclusive remedy and Owner retains its rights including but not limited to its rights to elect its remedies and pursue all legal and equitable remedies. The parties expressly agree that these liquidated damages are not a penalty and represent reasonable estimates of fair compensation for the losses that reasonably may be anticipated from such failure to comply.

6.2 In the event the Design Professional maintains its accounting or Project information in electronic format, upon request by the Owner's auditors, the Design Professional will provide a download of its accounting or Project information in an electronic format allowing readership in Microsoft Office software.

6.3 The Owner has the right during the Engagement to interview the Design Professional's employees and subconsultants, make photocopies, and inspect any and all records at reasonable times. The right to initiate an Engagement will extend for six years after the completion date of any work order, or six years after the termination of this Contract, whichever occurs later.

6.4 In the event the Design Professional has overcharged the Owner for direct and reimbursable expenses, the Design Professional will re-pay the Owner the amount of the overcharge and the Owner may assess interest of up to 12% per year on the overcharge from the date the overcharge occurred. In addition, if the Design Professional has overcharged the Owner

by more than 3% of the gross direct and reimbursable amount, the Owner may assess and the Design Professional will pay for the entire cost of the Engagement.

6.5 The Design Professional shall require all of its subcontractors and subconsultants to provide the Owner the same rights to perform Engagements as allowed in this Contract. The Design Professional shall require that all of its subcontractors and subconsultants require their sub-subcontractors and sub-subconsultants to provide the Owner the same rights to perform Engagements as allowed in this Contract.

6.6 Approvals by Owner's staff for any services included or not included in this Contract do not act as a waiver or limitation of the Owner's right to perform Engagements.

6.7 The Design Professional agrees to comply with Section 20.055(5), Florida Statutes, and to incorporate in all subcontracts the obligation to comply with Section 20.055(5), Florida Statutes.

ARTICLE 7 - OWNERSHIP OF DOCUMENTS

7.1 Design Professional acknowledges and agrees that all records, documents, drawings, notes, tracings, plans, specifications, maps, evaluations, reports and other technical data, models, renderings and electronic data (other than working papers), prepared, developed or furnished by Design Professional or the design professional(s) employed or retained by the Design Professional under this Contract (Project Documents) will be and remain the property of the Owner. Project Documents will be deemed to be works made for hire, and all right, title and interest in and to the Project Documents will be vested in Owner. Design Professional will take all actions necessary to secure for Owner all such right, title and interest. Design Professional warrants that all materials comprising the Project Documents are original with Design Professional and have not been copied or derived from any other material without the express written consent of the owner, proprietor and/or copyright holder of that other material, and are not subject to any other claim of copyright by any other person. Design Professional will obtain any and all licenses necessary for the production and preparation of the Project Documents including, without limitation, licenses for the use of any material subject to copyright by other parties. Design Professional will assign to Owner any and all rights, including any copyrights, in the Project Documents that Design Professional or the design professional(s) employed or retained by the Design Professional on this Project may possess now or in the future, and Design Professional and its design professional(s) will claim no rights adverse to Owner in the Project Documents. Design Professional agrees to defend, indemnify and hold harmless the Owner and its Board members, officers, and employees from and against any liabilities, claims, costs or expenses as a result of any alleged infringement of third party rights in the documents described herein. If this clause is found to conflict in any way with Florida law, the clause will be considered modified by such law to the extent necessary to remedy the conflict. Any project as designed by Design Professional under this Contract may be reused or repeated by Owner at Owner's option or discretion at any time or times, including but not limited to, completion, addition, renovation, maintenance, reconstruction or remodeling of the project and construction of new projects. Design Professional hereby grants its consent to reuse of the Project Documents by Owner for any and all such purposes. The Design Professional will incorporate the terms of this Paragraph in all

contracts with design professionals employed or retained by the Design Professional to perform services covered by this Contract.

7.2 Submission or distribution of the Design Professional's Project Documents to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication in derogation of the rights reserved in Paragraph 3.8.

7.3 CHAPTER 119, FLA. STATUTES REQUIREMENTS

IF THE DESIGN PROFESSIONAL HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE DESIGN PROFESSIONAL'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

(813) 870-8721, ADMCENTRALRECORDS@TAMPAAIRPORT.COM, HILLSBOROUGH COUNTY AVIATION AUTHORITY, P.O. BOX 22287, TAMPA FL 33622.

Design Professional agrees in accordance with Florida Statute Section 119.0701 to comply with public records laws including the following:

- a. Keep and maintain public records required by the Owner in order to perform the services contemplated by this Contract.
- b. Upon request from the Owner's custodian of public records, provide the Owner with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Fla. Stat. or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Contract and following completion of the Contract.
- d. Upon completion of this Contract, keep and maintain public records required by the Owner to perform the services. Design Professional shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the Owner, upon request from the Owner's custodian of public records, in a format that is compatible with the information technology systems of Owner.

ARTICLE 8 - INDEMNITY

8.1 To the maximum extent permitted by Florida law, in addition to the Design Professional's obligation to provide pay for and maintain insurance as set forth elsewhere in this Contract, the Design Professional will indemnify and hold harmless the Owner, its members, officers, agents, employees, and volunteers from any and all liabilities, suits, claims, liens, expenses, losses, costs, fines and damages (including but not limited to claims for attorney's fees and dispute resolutions)

caused in whole or in part by the:

1. Presence on, use or occupancy of the Owner's property;
2. Acts, omissions, negligence (including professional negligence and malpractice), errors, recklessness, intentional wrongful conduct, activities, or operations;
3. Any breach of the terms of this Contract;
4. Performance, non-performance or purported performance of this Contract;
5. Violation of any law, regulation, rule, Advisory Circular or ordinance;
6. Infringement of any patent, copyright, trademark, trade dress or trade secret rights; and/or
7. Contamination of the soil, groundwater, surface water, storm water, air or the environment by fuel, gas, chemicals or any other substance deemed by the Environmental Protection Agency or other regulatory agency to be an environmental contaminant

by the Design Professional or the Design Professional's officers, employees, agents, volunteers, subcontractors, invitees, or any other person whether the liability, suit, claim, expense, loss, cost, fine or damages is caused in part by an indemnified party.

8.2 In addition to the duty to indemnify and hold harmless, the Design Professional will have the separate and independent duty to defend the Owner, its members, officers, agents, employees, and volunteers from all suits, claims, liens or actions of any nature seeking damages, equitable or injunctive relief, expenses, losses, costs, fines or attorney's fees in the event the suit, claim, or action of any nature arises in whole or in part from the:

1. Presence on, use or occupancy of the Owner's property;
2. Acts, omissions, negligence (including professional negligence and malpractice), errors, recklessness, intentional wrongful conduct, activities, or operations;
3. Any breach of the terms of this Contract;
4. Performance, non-performance or purported performance of this Contract;
5. Violation of any law, regulation, rule, Advisory Circular or ordinance;
6. Infringement of any patent, copyright, trademark, trade dress or trade secret rights; and/or
7. Contamination of the soil, groundwater, surface water, storm water, air or the environment by fuel, gas, chemicals or any other substance deemed by the Environmental Protection Agency or other regulatory agency to be an environmental contaminant

by the Design Professional or the Design Professional's officers, employees, agents, volunteers, subcontractors, invitees, or any other person directly or indirectly employed or utilized by the Design Professional regardless of whether it is caused in part by the Owner, its members, officers, agents, employees, or volunteers. This duty to defend exists immediately upon presentation of written notice of a suit, claim or action of any nature to the Design Professional by a party entitled to a defense hereunder.

8.3 If the above indemnity or defense provisions or any part of the above indemnity or

defense provisions are limited by Fla. Stat. § 725.06(2)-(3) or Fla. Stat. § 725.08, then with respect to the part so limited, the Design Professional agrees to the following: To the maximum extent permitted by Florida law, the Design Professional will indemnify and hold harmless the Owner, its members, officers, agents, employees, and volunteers from any and all liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fee, to the extent caused by the negligence, recklessness, or intentional wrongful conduct of the Design Professional and persons employed or utilized by the Design Professional in the performance of this Contract.

8.4 If the above indemnity or defense provisions or any part of the above indemnity or defense provisions are limited by Fla. Stat. § 725.06(1) or any other applicable law, then with respect to the part so limited the monetary limitation on the extent of the indemnification shall be the greater of the (i) monetary value of this Contract, (ii) coverage amount of Commercial General Liability Insurance required under this Contract or (iii) \$1,000,000.00. Otherwise, the obligations of this Article will not be limited by the amount of any insurance required to be obtained or maintained under this Contract.

8.5 In addition to the requirements stated above, to the extent required by FDOT Public Transportation Grant Agreement and to the fullest extent permitted by law, the Design Professional shall indemnify and hold harmless the State of Florida, FDOT, including the FDOT's officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the Design Professional and persons employed or utilized by the Design Professional in the performance of this Contract. This indemnification in this paragraph shall survive the termination of this Contract. Nothing contained in this paragraph is intended to nor shall it constitute a waiver of the State of Florida's and FDOT's sovereign immunity.

8.6 The Design Professional's obligations to defend and indemnify as described in this Article will survive the expiration or earlier termination of this Contract until it is determined by final judgment that any suit, claim or other action against the Owner, its members, officers, agents, employees, and volunteers is fully and finally barred by the applicable statute of limitations or repose.

8.7 Nothing in this Article or Contract will be construed as a waiver of any immunity from or limitation of liability the Owner, or its members, officers, agents, employees, and volunteers may have under the doctrine of sovereign immunity under common law or statute.

8.8 The Owner and its members, officers, agents, employees, and volunteers reserve the right, at their option, to participate in the defense of any suit, without relieving the Design Professional of any of its obligations under this Article.

8.9 If the above Article 8.1-8.8 or any part of Article 8.1-8.8 is deemed to conflict in any way with any law, the Article or part of the Article will be considered modified by such law to remedy the conflict.

ARTICLE 9 - INSURANCE COVERAGES AND LIMITS

9.1 Design Professional's Liability Insurance

9.1.1 Design Professional will maintain the following limits and coverages uninterrupted or amended through the life of this Contract. In the event the Design Professional becomes in default of the following requirements, the Owner reserves the right to take whatever actions deemed necessary to protect its interest. Required liability and property insurance policies, other than Workers' Compensation/Employer's Liability and Professional Liability, will provide that the Owner, members of the Owner's governing body, and the Owner's officers, volunteers, agents, volunteers and employees are included as additional insureds. Design Professional shall require that all subcontractors and subconsultants maintain insurance meeting all the requirements stated herein with the sole exception that Design Professional shall determine the applicable limits for its subcontractors and subconsultants. Design Professional shall have subcontractors and subconsultants endorse all applicable policies to name the Owner, members of the Owner's governing body, and the Owner's officers, agents, volunteers and employees as Additional Insureds. Before subcontractor or subconsultant commences services under this Contract, Design Professional will submit evidence that the subcontractor or subconsultant has complied with this provision to Owner.

9.1.2 Workers' Compensation / Employer's Liability

The minimum limits of insurance inclusive of any amount provided by an umbrella or excess policy will be:

Part One:	"Florida Statutory"
Part Two:	
Each Accident	\$ 1,000,000
Disease - Policy Limit	\$ 1,000,000
Disease - Each Employee	\$ 1,000,000

9.1.3 Commercial General Liability

The minimum limits of insurance inclusive of any amounts provided by an umbrella or excess policy without exclusion for independent contractors, XCU, or broad form property damage covering the work performed pursuant to this Contract will be the amounts specified herein. Coverage will be provided for liability resulting out of, or in connection with, ongoing operations performed by, or on behalf of, the Design Professional under this Contract or the use or occupancy of Owner premises by, or on behalf of, the Design Professional in connection with this Contract. Completed operations coverage in the amount of \$10,000,000 will be maintained for a period of one year following substantial completion of the design phase. Coverage shall be per form CG 00 01 or its equivalent. Additional insurance coverage shall be per ISO Form CG 20 10 10 01 and CG 20 37 10 01 or their equivalent.

Contract Specific

Each Occurrence	\$ 10,000,000
Personal and Advertising Injury	\$ 10,000,000
Products and Completed Operations	\$ 10,000,000

9.1.4 Business Auto Liability

Coverage will be provided for all owned, hired and non-owned vehicles. Coverage shall be per form CA 00 01 or its equivalent.

The minimum limits of insurance inclusive of any amounts provided by an umbrella or excess policy covering the work performed pursuant to this Contract will be:

Each Occurrence - Bodily Injury and Property Damage Combined	\$ 10,000,000
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9.1.5 Professional Liability

Such insurance will be maintained throughout the Project and for one year following completion of the Project work by the Design Professional. Any deductible amount over \$50,000 must be approved in writing by the Owner. Coverage will include all work of the Design Professional, including but not limited to areas with possible environmental impact, without any exclusions unless approved in writing by the Owner. The limits of coverage will not be less than:

Each Occurrence	\$ 10,000,000
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9.1.6 Environmental Impairment (Pollution) Liability:

Proof of such insurance will be required during this Contract if determined by the Owner that circumstances warrant this coverage. Design Professional agrees to show proof of coverage, without asbestos abatement exclusion, which arises out of, or in connection with, work or occupancy of Owner property in the Design Professional's performance under this Contract. Coverage shall remain in force for a period of one year following substantial completion of the design phase in the amount of \$5,000,000. The limits of coverage will not be less than:

Each Occurrence	\$5,000,000
Annual Aggregate	\$5,000,000

9.2 CONTRACTUAL INSURANCE TERMS AND CONDITIONS

9.2.1 PURPOSE: To establish the insurance terms and conditions associated with contractual insurance requirements.

9.2.2 INSURANCE COVERAGE:

9.2.2.1 Procurement of Coverage:

With respect to each of the required coverages the Design Professional will, at the Design Professional's expense, procure, maintain and keep in force the amounts and types of insurance conforming to the minimum requirements set forth in this Contract. Coverage will be provided by insurance companies eligible to do business in the State of Florida and having an AM best rating of A- or better and a financial size category of VII or better. Utilization of non-rated companies or companies with AM Best ratings lower than A- or better and financial size category lower than VII may be approved on a case by case basis. Such insurance will be no more restrictive than that provided by the latest edition filed for use in the State of Florida by the insurance service office, without restrictive endorsements. If the insurer does not meet these requirements, the Owner retains the right to approve or disapprove the use of the insurer.

9.2.2.2 Term of Coverage:

Except as otherwise specified in this Contract, the insurance will commence on or prior to the effective date of this Contract and will be maintained in force throughout the duration of this Contract. Five years' completed operations coverage must be maintained on all general liability policies and all professional liability policies, effective on the date of substantial completion of the design phase or the termination of this Contract, whichever is earlier. If Professional or Pollution liability coverage required is written on a claims made coverage form, the retroactive date must be shown, and this date must be before the earlier of the execution date of the Contract or the beginning of Contract work.

9.2.2.3 Reduction of Aggregate Limits:

If any reduction of an aggregate limit occurs, the Design Professional will take immediate steps to have it reinstated. The policies shall be endorsed so that the specified policy limits are available for claims on this Project.

9.2.2.4 Cancellation Notice

Each of the insurance policies will be specifically endorsed to require the insurer to provide the Owner with 30 days written notice prior to the cancellation of the policy. The endorsement will specify that such notice will be sent to:

Hillsborough County Aviation Authority
Attn.: Chief Executive Officer
Tampa International Airport
Post Office Box 22287

9.2.2.5 No waiver by approval/disapproval:

The Owner accepts no responsibility for determining whether the Design Professional's insurance is in full compliance with the insurance required by this Contract. Neither the approval by the Owner nor the failure to disapprove the insurance furnished by the Design Professional will relieve the Design Professional of their full responsibility to provide the insurance required by this Contract.

9.2.2.6 Future Modifications – Changes in Circumstances:

9.2.2.6.1 Changes in Coverage and Required Limits of Insurance

The coverage and minimum limits of insurance required by this Contract are based on circumstances in effect at the inception of this Contract. If in the opinion of the Owner circumstances merit a change in such coverage or minimum limits of insurance required by this Contract, the Owner may change the coverage and minimum limits of insurance required and the Design Professional will, within 60 days of receipt of written notice of a change in the coverage and minimum limits required, comply with such change and provide evidence of such compliance in the manner required by this Contract. Provided, however, that no change in the coverage or minimum limits of insurance required will be made by the Owner until at least two years after inception of this Contract. Subsequent changes in the coverage or minimum limits of insurance will not be made by the Owner until at least two years after any prior change by the Owner unless extreme conditions warrant such change and are agreeable to both parties.

Notwithstanding the foregoing, Design Professional may make a written request for a waiver with respect to the insurance requirements contained herein for specific subcontractors and subconsultants for good cause and the Owner will evaluate the request for waiver within ten calendar days of receipt and issue a decision. Any such modification will be subject to the prior written approval of the Owner and subject to the conditions of such approval.

Owner expressly reserves the right, at its sole discretion, to adjust this Contract and pursue alternative methods for the provision of insurance and ancillary services associated with this Project. Alternative methods may include, but are not limited to, a controlled insurance program.

If, in the opinion of the Owner, compliance with the insurance requirements is not commercially practicable for the Design Professional,

at the written request of the Design Professional, the Owner may, at its sole discretion and subject to any conditions it deems appropriate, relax or temporarily suspend, in whole or in part, the insurance requirements which would otherwise apply to the Design Professional. Any such modification will be subject to the prior written approval of the Owner and subject to the conditions of such approval.

9.2.2.7 Proof of Insurance – Insurance Certificate:

9.2.2.7.1 Prior to Work, Use or Occupancy of Owner Premises

The Design Professional will not commence work, or use or occupy Owner premises in connection with this Contract until the required insurance is in force, preliminary evidence of insurance acceptable to the Owner has been provided to the Owner, and the Owner has granted permission to the Design Professional to commence work or use or occupy the premises in connection with this Contract.

9.2.2.7.2 Proof of Insurance Coverage

As preliminary evidence of compliance with the insurance required by this Contract, the Design Professional will furnish the Owner with a certificate(s) of insurance satisfactory to the Owner. This certificate must be signed by an authorized representative of the insurer. Design Professional shall furnish the entity with endorsements effecting coverage as required by this Article. The endorsements are to be signed by a person authorized by insurer to bind coverage on its behalf. If requested by the Owner, the Design Professional will, within 30 days after receipt of written request from the Owner, provide the Owner, or make available for review, a certified complete copy of the policies of insurance. The Design Professional may redact those portions of the insurance policies that are not relevant to the coverage required by this Contract. The Design Professional will provide the Owner with renewal or replacement evidence of insurance, acceptable to the Owner, prior to expiration or termination of such insurance.

9.2.2.7.3 The insurance certificate must:

9.2.2.7.3.1 Indicate that, to the extent required by this Contract, the Owner, members of the Owner's governing body, and the Owner's officers, agents, volunteers and employees are included as additional insured;

9.2.2.7.3.2 Indicate that the certificate has been issued in connection with this Contract;

9.2.2.7.3.3 Indicate the amount of any deductible or self-insured retention applicable to all coverages;

9.2.2.7.3.4 Identify the name and address of the certificate holder as:

Hillsborough County Aviation Authority
Attn.: Chief Executive Officer
Tampa International Airport
Post Office Box 22287
Tampa, Florida 33622;
and

9.2.2.7.3.5 Be signed and dated using approved methods by an individual who is an authorized representative of each insurer, whose insurance is the subject of the certificate and who is authorized by each such insurer to issue the certificate of insurance as modified. Facsimile signatures are acceptable.

9.2.2.8 Deductibles / Self Insurance:

9.2.2.8.1 All property and builders risk deductibles, as well as all self-insured retentions or any schemes other than a fully insured program, must be approved by the Owner. The Design Professional agrees to provide all documentation necessary for the Owner to review the deductible or alternative program.

9.2.2.8.2 The Design Professional will pay on behalf of the Owner, or any member of the Owner's governing body or any officer or employee of the Owner, any deductible or self-insured retention (SIR) which, with respect to the required insurance, is applicable to any claim by or against the Owner or any member of the Owner's governing body, or any officer or employee of the Owner.

9.2.2.8.3 The agreement by the Owner to allow the use of a deductible or self-insurance program will be subject to periodic review by Owner's Risk Management Department. If, at any time, the Owner deems that the continued use of a deductible or self-insurance program by the Design Professional should not be permitted, the Owner may, upon 60 days written notice to the Design Professional, require the Design Professional to replace or modify the deductible or self-insurance in a manner satisfactory to the Owner.

9.2.2.8.4 Any deductible amount or SIR program will be included and clearly described on the certificate prior to any approval by the Owner. This is to include fully insured programs as to a zero deductible

per the policy. Owner reserves the right to deny any certificate not in compliance with this requirement.

9.2.2.9 Design Professional's Insurance Primary:

The Design Professional's required insurance will apply on a primary basis. Any insurance maintained by the Owner will be excess and will not contribute to the insurance provided by or on behalf of the Design Professional. All policies will be endorsed so that Florida law will govern the interpretation of the policy including but not limited to Part II of Chapter 627 F.S.

9.2.2.10 Design Professional's Failure to Comply with Insurance Requirements:

9.2.2.10.1 Owner's Right to Procure Replacement Insurance

If after the inception of this Contract the Design Professional fails to fully comply with the insurance requirements of this Contract, in addition to and not in lieu of any other remedy available to the Owner provided by this Contract, the Owner may, at its sole discretion, procure and maintain on behalf of the Design Professional, insurance which provides, in whole or in part, the required insurance.

9.2.2.10.2 Replacement Coverage at Sole Expense of Design Professional

The entire cost of any insurance procured by the Owner pursuant to this section will be paid by the Design Professional without reimbursement from the Owner. At the option of the Owner, the Design Professional will either directly pay the entire cost of the insurance or immediately reimburse the Owner for any costs incurred by the Owner, including premium and a 15% administration cost.

9.2.2.10.3 Design Professional to Remain Fully Liable

Except to the extent any insurance procured by the Owner pursuant to this section actually provides the insurance coverage required by this Contract, the Design Professional will remain fully liable for full compliance with the insurance requirements in this Contract.

9.2.2.10.4 Owner's Right to Terminate, Modify, or Not Procure

Any insurance procured by the Owner pursuant to this section is solely for the Owner's benefit and is not intended to replace or supplement any insurance coverage which otherwise would have been maintained by the Design Professional. Owner is not obligated to procure any insurance

pursuant to these requirements and retains the right, at its sole discretion, to terminate any such insurance which might be procured by the Owner pursuant to this section.

ARTICLE 10 - WAIVER OF CLAIMS

The Design Professional's acceptance of final payment for any individual work order will constitute a full waiver of any and all claims by Design Professional against the Owner arising out of this Contract or individual work order or otherwise related to the Project, except insurance company subrogation claims and other claims previously made in writing and identified by Design Professional as unsettled at the time of the final payment. Neither the acceptance of Design Professional's services nor payment by the Owner will be deemed to be a waiver of the Owner's rights against Design Professional.

ARTICLE 11 - CLAIMS AND DISPUTES

11.1 A claim is a written demand or assertion by one of the parties seeking as a matter of right adjustment or interpretation of the Contract terms, payment of money, extension of time or other relief with respect to the terms of this Contract. The term claim also includes other disputes and matters in question between the Owner and Design Professional arising out of or relating to this Contract. All claims must be made in writing. The responsibility to substantiate claims will rest with the party making the claim.

11.2 Claims by Design Professional must be made in writing to the Owner within 20 calendar days after the occurrence of the event giving rise to such claim or else Design Professional will be deemed to have waived the claim. Written supporting data will be submitted to the Owner within 30 calendar days after such occurrence unless the Owner allows additional time or else Design Professional will be deemed to have waived the claim. Claims by the Owner may be made at any time irrespective of the date of the occurrence of the event giving rise to the claim.

11.3 Unless otherwise agreed in writing and notwithstanding any other rights or obligations of either of the parties under this Contract, the Design Professional will carry on with the performance of its services and duties hereunder during the pendency of any claim, dispute, other matter in question or arbitration or any other proceedings to resolve any claim, dispute or other matter in question. The Owner, however, will be under no obligation to make payments on or against such claims, disputes or other matters in question during the pendency of any proceedings to resolve such claims, disputes or other matters in question.

11.4 Documents in support of the claim referred to in this Article may be subject to an independent Engagement by the Owner. In the event the Engagement supports the Design Professional's claim, the Owner will pay for the Engagement. In the event the Engagement does not support the Design Professional's claim, the Design Professional will pay for the Engagement.

11.5 Any action initiated by either party associated with a claim or dispute, will be brought in the appropriate State Court in and for Hillsborough County, Florida. The appropriate Florida State Court shall be the exclusive venue and jurisdiction for such action. Confidential mediation

with a mediator approved by the Owner shall be a condition precedent to litigation.

ARTICLE 12 - ASSISTANCE IN LITIGATION

Design Professional will render assistance to and on behalf of the Owner in litigation in connection with or arising out of this Contract, including any litigation brought by or against the Owner and any third parties, by providing technical information, analyses and expert witnesses only for the Owner. The Design Professional will provide services under this Article at a mutually agreed upon and reasonable rate as an additional service.

ARTICLE 13 - CONFLICT OF INTEREST

Design Professional represents that it presently has no interest and will acquire no interest, either direct or indirect, which would conflict, as determined by the Owner, in any manner with the performance of services required hereunder. Design Professional further represents that no persons having any such interest will be employed to perform these services.

ARTICLE 14 - NOTICES AND ADDRESS OF RECORD

14.1 All notices required or made pursuant to this Contract to be given by the Design Professional to the Owner will be in writing and may be given either by mailing same by United States mail with proper postage affixed thereto, or by hand-delivery, to the appropriate address as listed below:

14.1.1 Mail: Hillsborough County Aviation Authority
P. O. Box 22287
Tampa, FL 33622-2287
Attention: Chief Executive Officer

14.1.2 Hand-delivery: Hillsborough County Aviation Authority
Tampa International Airport
Third Level, Blue Side
Tampa, FL 33607
Attention: Chief Executive Officer

ARTICLE 15 - TERM OF CONTRACT

This Contract will commence on the date awarded by the Board and will remain in effect until one year after final acceptance of the constructed Project. Individual work orders will have effective dates and completion dates for the related scope of work.

ARTICLE 16 - TERMINATION OF CONTRACT

16.1 This Contract may be terminated by the Owner with or without cause with a seven day written notice to the Design Professional.

16.2 In the event of termination not the fault of the Design Professional, the Design Professional will be compensated for services performed to the termination date, together with reimbursable expenses then due and termination expenses. Termination expenses are expenses directly attributable to termination, including reasonable compensation for overhead and profit. Reasonable compensation for overhead and profit will be established pursuant to negotiation.

16.3 In the event of termination for cause, the Owner may retain all payments due to the Design Professional at the date of termination until all of the Owner's damages have been established and deducted from payments due.

16.4 Upon 30 days written notice to Owner, Design Professional may terminate this Contract if Design Professional is not in default of any term, provision, or covenant of this Contract only upon or after the occurrence of any of the following events: the inability of Design Professional to perform work at Tampa International Airport for which a work order has been issued for a period of longer than 90 consecutive days due to war, terrorism, or the issuance of any order, rule or regulation by a competent governmental authority or court having jurisdiction over the Owner preventing Design Professional from operating its business for a period of 90 consecutive days provided, however, that such inability or such order, rule or regulation is not due to any fault or negligence of Design Professional.

ARTICLE 17 - SUSPENSION OF WORK

The Owner may, for any reason, order the Design Professional in writing to suspend, delay or interrupt the work in whole or in part for such period of time as the Owner may determine. If the work is stopped for a period exceeding 60 days by the Owner, the Design Professional may be entitled to additional compensation and expenses, said compensation and expenses to be established pursuant to negotiations between the parties.

ARTICLE 18 - SUCCESSORS AND ASSIGNS

18.1 The Owner and Design Professional respectively bind themselves, their partners, successors, assigns and legal representatives to the other party to this Contract and to the partners, successors, and assigns of such other party with respect to the covenants of this Contract.

18.2 Except as hereinafter provided, neither party to this Contract will assign or sublet this Contract, in whole or in part, without the written consent of the other, nor will the Design Professional assign any monies due, or to become due, hereunder without the previous written consent of the Owner. If the Design Professional attempts to make such assignment or sublet without such consent, the Design Professional will nevertheless remain legally responsible for all obligations under this Contract.

18.3 The Owner reserves the right to transfer its interests herein to any other governmental body authorized by law to operate the Airport.

ARTICLE 19 - TRUTH IN NEGOTIATIONS

The Design Professional certifies that the wage rates and other factual unit costs supporting the compensation described herein and in all work orders provided under this Contract are accurate, complete and current at the time of contracting and that the original contract price and any additions or work orders will be adjusted to exclude any significant sums where the Owner determines the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs. All such adjustments will be made within one year following the end of any particular work order issued under this Contract.

ARTICLE 20 - CERTIFICATION OF DESIGN PROFESSIONAL/PROHIBITION AGAINST CONTINGENT FEES

The Design Professional warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Design Professional, to solicit or secure this Contract, and that Design Professional has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Design Professional, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award or making of this Contract. If the Owner finds that Design Professional violates this provision, the Owner may terminate this Contract and any underlying work orders without liability and, at its discretion, deduct from the Contract or work order, or otherwise recover, the full amount of any fee, commission, percentage, gift, or consideration.

ARTICLE 21 - RESTRICTED VENDOR LISTS

21.1 A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on an agreement to provide any goods or services to a public entity, may not submit a bid on an agreement with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or design professional under an agreement with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

21.2 A person or affiliate who has been placed on the discriminatory vendor list kept by the Florida Department of Management Services may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Design Professional, supplier, subcontractor, or consultant under a contract with any public entity and may not transact business with any public entity as provided in Section 287.134, Florida Statutes.

21.3 An entity or affiliate who has had its Certificate of Qualification suspended, revoked, denied, or have further been determined by FDOT to be a non-responsible contractor, may not perform work under this Contract.

ARTICLE 22 - CONTRACT MADE IN FLORIDA

This Contract has been made in and will be construed in accordance with the laws of the State of Florida. In any action initiated by one party against the other, venue will lie in Hillsborough County, Florida.

ARTICLE 23 - NON-DISCRIMINATION

23.1 During the performance of this Contract, the Design Professional, for itself, its assignees and successors in interest, agrees as follows:

- 23.1.1 Compliance with regulations. The Design Professional must comply with the regulations relative to non-discrimination in federally assisted programs of the Department of Transportation (DOT) Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this Contract.
- 23.1.2 Non-discrimination. The Design Professional, with regard to the work performed by it during the Contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Design Professional will not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the Contract covers a program set forth in Appendix B of the Regulations.
- 23.1.3 Solicitations for subcontracts, including procurement of materials and equipment. In all solicitations either by competitive bidding or negotiation made by the Design Professional for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier must be notified by the Design Professional of the Design Professional's obligations under this Contract and the Regulations relative to non-discrimination on the grounds of race, color or national origin.
- 23.1.4 Information and reports. The Design Professional must provide all information and reports required by the Regulations or directives issued pursuant thereto and must permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the Owner or the Federal Aviation Administration (FAA) to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of Design Professional is in the exclusive possession of another who fails or refuses to furnish this information, the Design Professional will so certify to the Owner or the FAA, as appropriate, and will set forth what efforts it has made to obtain the information.

- 23.1.5 Sanctions for non-compliance. In the event of the Design Professional's non-compliance with the non-discrimination provisions of this Contract, the Owner will impose such contractual sanctions as it or the FAA may determine to be appropriate, including, but not limited to, withholding of payments to the Design Professional under this Contract until the Design Professional complies, and/or cancellation, termination or suspension of the Contract, in whole or in part.
- 23.1.6 Incorporation of provisions. The Design Professional must include the provisions of sub-articles 23.1.1 through 23.1.7 in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The Design Professional must take such action with respect to any subcontract or procurement as the Owner or the FAA may direct as a means of enforcing such provisions, including sanctions for non-compliance. Provided, however, that in the event the Design Professional becomes involved in or is threatened by litigation with a subcontractor or supplier as a result of such direction, the Design Professional may request the Owner to enter into such litigation to protect the interests of the Owner and, in addition, the Design Professional may request the United States to enter into such litigation to protect the interests of the United States.
- 23.1.7 Design Professional assures that, in the performance of its obligations hereunder, it will fully comply with the requirements of 14 C.F.R. Part 152, Subpart E (Non-discrimination in Airport Aid Program), as amended from time to time, to the extent applicable to Design Professional, to ensure, among other things, that no person will be excluded from participating in any activities covered by such regulations on the grounds of race, creed, color, national origin, or sex. Design Professional, if required by such regulations, will provide assurances to the Owner that Design Professional will undertake an affirmative action program and will require the same of its subconsultants.

ARTICLE 24 – WOMAN AND MINORITY OWNED BUSINESS ENTERPRISE (W/MBE) ASSURANCES

- 24.1 It is the policy of the Owner that W/MBEs, as defined in the Owner's W/MBE Policy and Program, will have full and fair opportunities to compete for and participate in the performance of non-federally funded contracts or in the purchase of goods and services procured by the Owner. Consequently, the W/MBE requirements and the Owner's W/MBE Policy and Program will apply to this Contract and are made a part hereof.
- 24.1.1 The Design Professional and any subcontractor of the Design Professional will not discriminate on the basis of race, color, national origin, or sex in the performance of the Contract. The Design Professional will carry out applicable requirements of the Owner's W/MBE Policy and Program in the award and administration of contracts. Failure by the Design Professional to carry out these requirements is a material breach of the Contract, which may result in

the termination of the Contract or such other remedy as the Owner deems appropriate which may include, but not limited to:

24.1.1.1 Withholding monthly progress payments;

24.1.1.2 Assessing sanctions;

24.1.1.3 Liquidated damages; and/or

24.1.1.4 Disqualifying the Design Professional from future bidding as non-responsible.

24.1.2 The Design Professional agrees that it will not discriminate against any business owner because of the owner's race, color, national origin, or sex in connection with the award or performance of any contract, management contract, or subcontract, purchase or lease contract.

24.1.3 The Design Professional agrees to include the statements in paragraphs (1) and (2) above in any subsequent contract or contract that it enters and cause those businesses to similarly include the statements in further contracts.

24.2 The Design Professional agrees to ensure that W/MBEs, as defined in the Owner's W/MBE Policy and Program, have the maximum opportunity to participate in the performance of this Contract, and the Design Professional will take all necessary and reasonable steps in accordance therewith to ensure that W/MBEs have the maximum opportunity to compete for and perform subcontracts.

24.3 W/MBE Goals. In compliance with the Owner's W/MBE Policy and Program, the Design Professional's minimum W/MBE commitment is established as the sum total of the verified Letter(s) of Intent for each portion of the Project submitted with their response. The W/MBE goal stated below is the sum total of the certified W/MBE's listed in the Design Professional's fee and scope proposal which is attached hereto and which will be enforceable under the terms of this Contract. The Design Professional will demonstrate that they will subcontract to certified W/MBEs at least 18% of the total dollar amount earned on the design phase of the Project.

24.4 All W/MBEs interested in participating in contracting/subcontracting opportunities must be certified as eligible W/MBEs before said business enterprises begins their portion of the Contract work. Only certified W/MBEs will count toward the W/MBE goal. If the Design Professional fails to achieve the W/MBE expectancy stated herein, it will be required to provide documentation demonstrating that it made good faith efforts in attempting to do so.

24.5 W/MBE Termination and Substitution: The Design Professional will not terminate a W/MBE for convenience without the Owner's prior written consent. If a W/MBE is terminated by the Design Professional with the Owner's consent or because of the

W/MBE's default, then the Design Professional must make a good faith effort, in accordance with the requirements of the Owner's W/MBE Policy and Program, to find another W/MBE to substitute for the original W/MBE to provide the same amount of W/MBE participation.

- 24.6 Reporting Requirements: The Design Professional agrees that, within 15 days after the expiration of each calendar month during the term of the Contract beginning on the effective date of the Contract, it will provide a W/MBE Utilization Activity report to the Owner's Business Diversity Manager reflecting, as applicable, in a form acceptable to the Owner, the Design Professional's total dollar value received under the Contract for the applicable period and the amount expended for the purchase of goods and services from each W/MBE firm during that period, calculated in accordance with the requirements of the Owner's W/MBE Policy and Program.
- 24.7 Monitoring: The Owner will monitor the compliance and good faith efforts of the Design Professional in meeting these requirements. The Owner will have access to the necessary records to examine such information as may be appropriate for the purpose of investigating and determining compliance with this subsection, including, but not limited to, records, records of expenditures, contracts between the Design Professional and the W/MBE participant, and other records pertaining to the W/MBE participation plan, which the Design Professional will maintain for a minimum of three years following the end of the Contract. Opportunities for W/MBE participation will be reviewed prior to the exercise of any renewal, extension or material amendment of the Contract to consider whether an adjustment in the W/MBE requirement is warranted. Without limiting the requirements of the Contract, the Owner reserves the right to review and approve all subleases or subcontracts utilized by the Design Professional for the achievement of these goals.
- 24.8 Design Professional agrees to indemnify the Owner from the loss of any funds or other damages that may result from Design Professional's failure to achieve the W/MBE goals set forth herein or to establish a good faith effort to do so, including attorneys' fees and costs associated with said failure by Design Professional or good faith investigation by Owner. Failure of Design Professional to make a good faith effort to achieve W/MBE goals will be a material breach of this Contract. The determination of whether Design Professional's efforts were made in good faith will be made by the Owner. At 50% completion, a plan of action properly reflecting anticipated W/MBE achievement of the commitment is required to be submitted to the Owner.
- 24.9 In the event of the Design Professional's non-compliance with the Owner's W/MBE Policy and Program, failure to meet the prescribed W/MBE goal set forth in this Contract, or failure to establish a good faith effort to do so, the Owner will impose such contract sanctions as the Owner may determine to be appropriate, including but not limited to:

- 24.9.1 Withholding of payments to the Design Professional under this Contract until the Design Professional complies; and/or
- 24.9.2 Assessing sanctions; and/or
- 24.9.3 Liquidated damages; and/or
- 24.9.4 Cancellation, termination or suspension of this Contract in whole or in part; and/or
- 24.9.5 Suspension or debarment of Design Professional from eligibility to contract with the Owner in the future or to receive bid packages or request for qualification (RFQ) packages, pursuant to the Owner's Policy P414, Suspension/Debarment of Contractors.

ARTICLE 25 – PROHIBITION AGAINST CONTRACTING WITH SCRUTINIZED COMPANIES

This Contract will be terminated in accordance with Florida Statute Section 287.135(3) if it is found that Company submitted a false Scrutinized Company Certification as provided in Florida Statute Section 287.135(5) or, has been placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statute Section 215.473, or has been engaged in business operations in Syria.

ARTICLE 26 – E-VERIFY REQUIREMENT/UNAUTHORIZED ALIENS

27.1 In accordance with the State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status), all agencies under the direction of the Governor are to include as a condition of all state contracts for the provision of goods or services to the state in excess of nominal value, an express requirement that contractors utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor during the contract term, and an express requirement that contractors include in such subcontracts the requirement that subcontractors performing work or providing services pursuant to the state contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term. Any projects with Florida Department of Transportation (FDOT) funding will contain this assurance as a condition for any new Joint Participation Contracts dated after January 4, 2011. The Design Professional will verify all of their new employees and will require that their subcontractors verify all of their new employees in accordance with the E-verify requirements set out above. The Design Professional will execute Attachment 2, E-Verify Certification, to certify and affirm that Design Professional will comply with the E-Verification requirements of Executive Order Number 11-116.

26.2 FDOT considers the employment by any contractor of unauthorized aliens a violation of Section 274A(e) of the Immigration and Nationality Act. If the Design Professional knowingly

employees unauthorized aliens, such violation will be cause of unilateral cancellation of this Contract.

ARTICLE 27 – LOBBYING

No funds received pursuant to this Contract may be expended for lobbying the Florida Legislature, judicial branch, or any state agency, in accordance with Section 216.347, Florida Statutes.

ARTICLE 28 - COMPLETE CONTRACT

This Contract represents the entire and fully integrated Contract between the Owner and the Design Professional and supersedes all prior negotiations, representations or contracts, either written or oral. This Contract may be amended only by written instrument signed by both the Owner and the Design Professional.

IN WITNESS WHEREOF, the parties hereto have set their hands and corporate seals by their proper officers, duly authorized to do so;

By the Design Professional this _____ day of _____, 20_____.

ATTEST:

KIMLEY-HORN AND ASSOCIATES, INC.

By: _____

Title: _____

Print Name

Print Address

Signed, sealed, and delivered
in the presence of:

Witness

Print Name

Witness

Print Name

Notary for Kimley-Horn and Associates, Inc.

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 20__,
by _____ in the capacity of _____,
of _____ a _____
(Name of organization or company, if any) (Corporation / Partnership / Sole Proprietor / Other)
on _____ behalf. _____
(Its / His / Her) (They are / He is / She is) (Personally known to me /not personally known to me)

_____ and _____ take an oath.
and has produced the following document of identification) (they / he / she) (did / did not)

(Seal of Notary)

Signature of Notary

By the Owner this _____ day of _____, 20_____.

HILLSBOROUGH COUNTY AVIATION AUTHORITY

(Affix Corporate Seal)

By: _____
Robert I. Watkins, Chairman

ATTEST:

Lesley "Les" Miller Jr., Secretary

Signed, sealed, and delivered
in the presence of:

Witness

Print Name

Witness

Print Name

LEGAL FORM APPROVED:

By: _____
Michael T. Kamprath, Assistant General Counsel

Notary for Hillsborough County Aviation Authority
STATE OF FLORIDA
COUNTY OF HILLSBOROUGH

The foregoing instrument was acknowledged before me this ____ day of _____, 20__, by Robert I. Watkins, in the capacity of Chairman, and by Lesley "Les" Miller Jr., in the capacity of Secretary, Hillsborough County Aviation Authority, an independent special district under the laws of the State of Florida, on its behalf. They are personally known to me and they did not take an oath.

Signature of Notary

Print, Type, or Stamp Commissioned Name of Notary



SCOPE AND FEE PROPOSAL

**Hillsborough County Aviation Authority
Remain Overnight Aircraft Parking Aprons**

PROJECT NOs. 8325 19 & 8330 20

May 28, 2019

Prepared for



Hillsborough County Aviation Authority

Prepared by

Kimley»Horn



May 28, 2019

Christina Boulnois, P.E.
Sr. Project Director
Hillsborough County Aviation Authority
Tampa International Airport
4160 George J. Bean Parkway, Suite 2400
Administrative Building, Second Level, Red Side
Tampa, Florida 33607

Re: Airside F RON Parking, 8325 19
North RON Parking Apron, 8330 20
At Tampa International Airport
Scope and Fee Proposal

Dear Ms. Boulnois:

As a follow-up to our phone conversation of May 28, 2019, I have attached a revised scope and fee proposal dated May 28, 2019. Additionally, we are in receipt of your email of May 28, 2019 outlining requested revisions. Those revisions are listed below followed by Kimley-Horn's response in bold:

Airside F RON Parking Aprons

- Remove "Draft" reference that is in front of "Scope and Fee Proposal" throughout document. **Complied.**
- Update multiplier reference on Page 2. 3.05 multiplier was agreed to on 5/24/19. All fee spreadsheets need to be updated also. **Complied.**
- Update Project Schedule on Page 4 of 19 for Airside F RON Parking. **Complied.**
- On Page 15 of 19 for Airside F RON Parking, under 4.11, last bullet, FTP is acceptable and will likely be utilized for the electronic delivery method, but disc is acceptable as well as a secondary delivery method. **Complied.**
- On Page 16 of 19 for Airside F RON Parking, Delete second paragraph under Task 6. **Complied.**
- On Page 17 of 19 for Airside F RON Parking, Delete "and Field Orders" in 6.5 heading as well as delete following sentence "The Authority will authorize Field Orders authorizing variations from the requirements of the Contract Documents." **Complied.**
- On Page 18 of 19 for Airside F RON Parking, Spell-out "SRM". **Complied.**
- On Page 1 of Connico proposal for Airside F RON Parking Aprons, fix spacing in area where language was previously deleted. **Did not comply. Unable to have this subconsultant reformat their word document in time for this submittal.**

- On Page 3 of ECHO proposal for Airside F RON Parking Aprons, Delete Item No. 2. **Complied.**
- On Page 4 of ECHO proposal for Airside F RON Parking Aprons, delete first sentence after Acceptance. **Complied.**

North RON Parking Apron

- Update Project Schedule on Page 4 of 19 for North RON Parking Apron. **Complied.**
- On Page 15 of 19 for North RON Parking Apron, under 4A.11, last bullet. FTP is acceptable and will likely be utilized for the electronic delivery method, but disc is acceptable as well as a secondary delivery method. **Complied.**
- On Page 16 of 19 for North RON Parking Apron, Delete second paragraph under Task 6A. **Complied.**
- On Page 17 of 19 for North RON Parking Apron, Delete “and Field Orders” in 6A.5 heading as well as delete following sentence “The Authority will authorize Field Orders authorizing variations from the requirements of the Contract Documents.” **Complied.**
- On Page 18 of 19 for North RON Parking Apron, A disc is acceptable as a secondary delivery method, will be sent electronically as well. **Complied.**
- On Page 19 of 19 for North RON Parking Apron Michael circled the following bullets with the below comments.
 - A tree risk assessments or hazard evaluation is excluded. Remove exclusion or provide justification/explanation of efforts. **Complied.**
 - SRM assistance is excluded. Spell out. **Complied.**
- On Page 1 of Connico proposal for North RON Parking Aprons, fix spacing in area where language was previously deleted. **Did not comply. Unable to have this subconsultant reformat their word document in time for this submittal.**
- On Page 3 of ECHO proposal for North RON Parking Aprons, Delete Item No. 2. **Complied.**

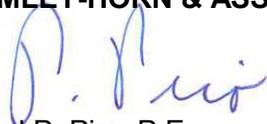
At the request of the Authority, the Program Summary now reflects and Owner’s Contingency of \$100,000.

Regarding the Authority’s Legal Department adding the words “liens” and “errors” to sections 8.1 and 8.2 of the contract, Kimley-Horn takes no objection.

Collectively, these scopes and fees represent the full program. You will also find audited overhead statements and raw rate calculations sheets for the team.

Sincerely,

KIMLEY-HORN & ASSOCIATES, INC.



Paul P. Piro, P.E.
Project Manager

TOTAL PROGRAM COST

EXHIBIT B FEE ESTIMATE

Project Fee Proposal - Kimley-Horn and Associates, Inc. - Summary Sheet

Remain Overnight Aircraft Parking Aprons

HCAA Project Numbers 8325 19 & 8330 20

5/28/2019

Basic Design Services Engineering & Preconstruction Services	30% Schematic	60% Design Dev.	90% Const. Docs.	100% Final Docs.	Bidding Services	Construction Administration	Total	W/MBE % of Fee	W/MBE Goal	% Construction Cost
Kimley-Horn and Associates	\$ 667,149.25	\$ 346,895.65	\$ 494,155.39	\$ 241,507.94	\$ 57,728.63	\$ 673,688.03	\$ 2,481,124.89		14.1%	33,463,384
Volt Air Consulting Engineers, Inc.	\$ 50,280.94	\$ 49,503.18	\$ 52,195.10	\$ 16,992.15	\$ 8,044.66	\$ 39,349.32	\$ 216,365.35	7.0%		
Florida Design Consultants, Inc.	\$ 22,131.21	\$ 30,543.83	-	-	-	\$ 5,122.93	\$ 57,797.97			
Connico, Inc.	\$ 9,635.88	\$ 21,803.54	\$ 11,519.42	\$ 9,163.92	-	-	\$ 52,122.77	1.7%		
Tierra, Inc.	\$ 21,241.32	-	-	-	-	\$ 87,429.99	\$ 108,671.31	3.5%		9.28%
Hyatt Surveying Services, Inc.	\$ 77,944.44	-	-	-	-	-	\$ 77,944.44	2.5%		
ECHO UES, Inc.	\$ 22,437.23	\$ 13,004.43	-	-	-	-	\$ 35,441.67	1.1%		
Design Phase Sub Total	\$ 870,820.28	\$ 461,750.63	\$ 557,869.91	\$ 267,664.01	\$ 65,773.30	\$ 805,590.27	\$ 3,029,468.39			
Reimbursable Expenses										
Kimley-Horn and Associates	\$ 2,548.00	\$ 396.00	\$ 396.00	\$ 396.00	\$ 912.00	\$ 1,800.00	\$ 6,448.00			
Volt Air Consulting Engineers, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Florida Design Consultants, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Connico, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Tierra, Inc.	\$ 38,417.72	\$ -	\$ -	\$ -	\$ -	\$ 29,525.00	\$ 67,942.72	2.2%		
Hyatt Surveying Services, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
ECHO UES, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Sub Total	\$ 40,965.72	\$ 396.00	\$ 396.00	\$ 396.00	\$ 912.00	\$ 31,325.00	\$ 74,390.72			
Total Fee, Allowances, Reimbursable Expenses	\$ 911,786.00	\$ 462,146.63	\$ 558,265.91	\$ 268,060.01	\$ 66,685.30	\$ 836,915.27	\$ 3,103,859.11			
Owner's Contingency							\$ 100,000.00			
TOTAL CONTRACT NOT TO EXCEED AMOUNT							\$ 3,203,859.00			

AIRSIDE F RON PARKING

8325 19

Airside F RON Parking

HCAA Project Numbers 8325 19

5/28/2019

	30% Schematic	60% Design Dev.	90% Const. Docs.	100% Final Docs.	Bidding Services	Construction Administration	Total	W/MBE % of Fee	% W/MBE Goal	% Construction Cost
Basic Design Services										
Engineering & Preconstruction Services										
Kimley-Horn and Associates	\$ 314,482.42	\$ 165,077.74	\$ 224,918.50	\$ 121,872.21	\$ 28,864.32	\$ 336,844.01	\$ 1,192,059.19		14.1%	13,993,560
Volt Air Consulting Engineers, Inc.	\$ 23,656.51	\$ 23,656.51	\$ 24,420.48	\$ 7,719.86	\$ 4,022.33	\$ 19,674.66	\$ 103,150.35	7.1%		
Florida Design Consultants, Inc.	\$ 9,665.41	\$ 14,708.42	\$ -	\$ -	\$ -	\$ 2,846.10	\$ 27,219.92			
Connico, Inc.	\$ 4,817.94	\$ 10,901.77	\$ 5,701.88	\$ 4,456.83	\$ -	\$ -	\$ 25,878.42	1.8%		
Tierra, Inc.	\$ 7,308.37	\$ -	\$ -	\$ -	\$ -	\$ 27,276.45	\$ 34,584.82	2.4%		10.37%
Hyatt Surveying Services, Inc.	\$ 24,549.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,549.12	1.7%		
ECHO UES, Inc.	\$ 9,929.00	\$ 5,223.31	\$ -	\$ -	\$ -	\$ -	\$ 15,152.31	1.0%		
Design Phase Sub Total	\$ 394,408.76	\$ 219,567.75	\$ 255,040.86	\$ 134,048.89	\$ 32,886.65	\$ 386,641.23	\$ 1,422,594.15			
Reimbursable Expenses										
Kimley-Horn and Associates	\$ 1,274.00	\$ 198.00	\$ 198.00	\$ 198.00	\$ 444.00	\$ 900.00	\$ 3,212.00			
Volt Air Consulting Engineers, Inc.							\$ -			
Florida Design Consultants, Inc.							\$ -			
Connico, Inc.							\$ -			
Tierra, Inc.	\$ 15,519.02					\$ 9,755.00	\$ 25,274.02	1.7%		
Hyatt Surveying Services, Inc.							\$ -			
ECHO UES, Inc.							\$ -			
Sub Total	\$ 16,793.02	\$ 198.00	\$ 198.00	\$ 198.00	\$ 444.00	\$ 10,655.00	\$ 28,486.02			
Total Fee, Allowances, Reimbursable Expenses	\$ 411,201.78	\$ 219,765.75	\$ 255,238.86	\$ 134,246.89	\$ 33,330.65	\$ 397,296.23	\$ 1,451,080.17			



**TAMPA INTERNATIONAL AIRPORT
AIRSIDE F REMAIN OVERNIGHT (RON) PARKING
HCAA NO. 8325 19**

Design, Bidding and Construction Administration Services

Project Description

Project No. 8325 19, Airside F RON Parking, will construct a RON facility located South of Airside F in an area that is currently a stormwater management facility. The location of this area is depicted in the Figure 1 below. It is the Hillsborough County Aviation Authority's (the Authority) request that the RON facility will be able to accommodate five, ADG III, commercial aircraft. Project No. 8325 19 will also install new ramp edge and high mast lighting.

The Authority has requested Kimley-Horn (KH) to prepare bid documents for the Airside F RON Parking. The Scope of Work will include civil engineering, electrical engineering, topographic surveys; subsurface geotechnical investigations; environmental evaluations, design and development of construction contract documents; bid phase services and construction administration services.

Throughout the design, the Kimley-Horn team shall adhere to the Authority's most current version of their Design Criteria Manuals and the most current FAA Advisory Circulars as applicable.

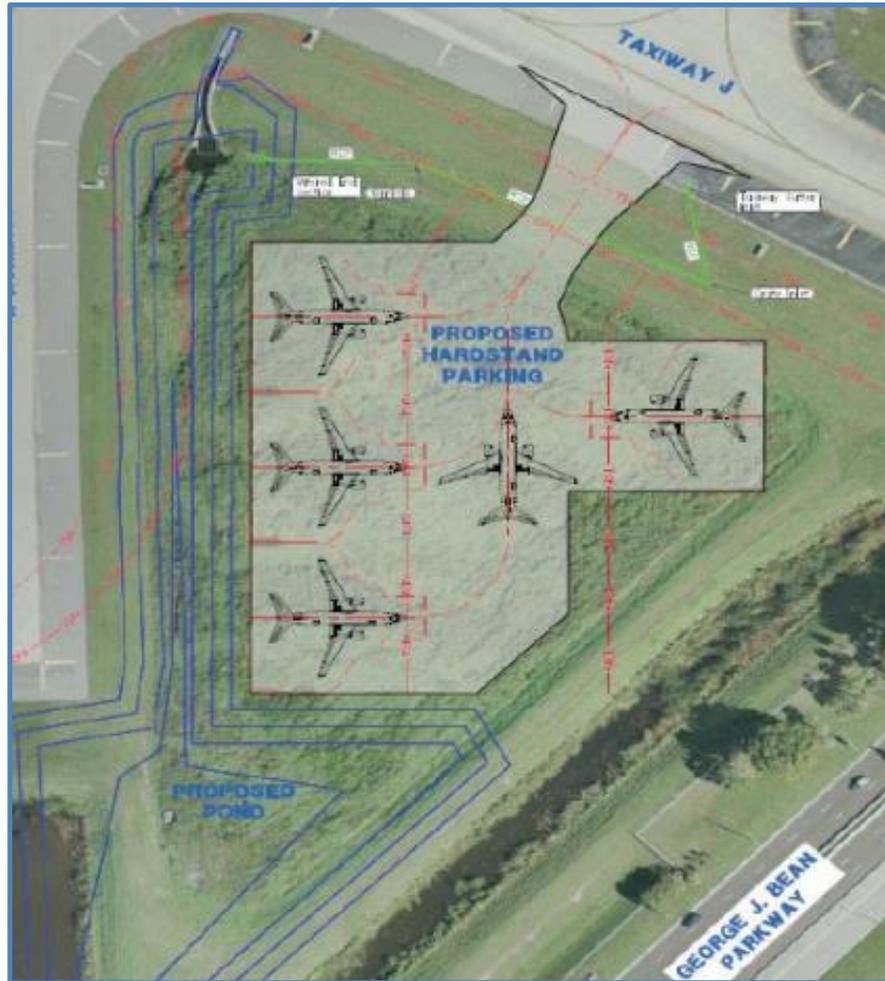


Figure 1

Team

The professional services will include general items of work with the following breakdown of services between design team members.

Kimley-Horn and Associates:

- Lead design consultant and coordinating all efforts of the team
- Airfield civil engineering
- Airfield electrical engineering
- Airfield planning
- Threatened and Endangered Species Assessment
- Preparation of contract drawings, specifications and engineer's report
- Bidding services
- Construction Administration services

Volt Air Consulting Engineers, Inc.

- Electrical design for high mast lighting of the apron
- Preparation of contract drawings, specifications and support information for the Engineer's Report
- Bidding Services
- Construction Administration

Florida Design Consultants, Inc.

- Stormwater permitting
- Environmental permitting

Connico, Inc.

- Preparation of engineer's estimate of probable construction costs and construction schedules

Hyatt Survey Services, Inc.

- Field survey during design for base plan preparation

Tierra Inc.

- Geotechnical Investigation during design
- Materials testing, QA, during construction

ECHO UES, Inc.

- Subsurface Utility Exploration (SUE)

Project Schedule

The following project schedule represents the Airside F RON Parking and North RON Parking Apron:

Milestone	8325 19		8330 20	
	Airside F RON Apron		North RON Apron	
Work Order Issued For Design	Thursday, August 1, 2019		Tuesday, October 1, 2019	
30% Submittal	Wednesday, October 30, 2019		Thursday, December 19, 2019	
30% Review Meeting	Wednesday, November 6, 2019		Thursday, January 2, 2020	
60% Submittal	Thursday, December 19, 2019		Tuesday, February 18, 2020	
60% Review Meeting	Thursday, January 2, 2020		Tuesday, February 25, 2020	
90% Submittal	Tuesday, February 18, 2020		Tuesday, March 31, 2020	
90% Review Meeting	Tuesday, February 25, 2020		Tuesday, April 7, 2020	
PROJECT ON HOLD	Wednesday, February 26, 2020	to	N/A	
	Wednesday, March 25, 2020			
100% Submittal	Tuesday, April 21, 2020			
100% Review Meeting	Tuesday, April 28, 2020			
Final Submittal (for ad)	Friday, May 1, 2020			
Bid Advertisement	Monday, May 4, 2020			
Bid Opening	Wednesday, June 10, 2020			
Board Award of Contract	Thursday, August 6, 2020			
Contractor NTP	Monday, August 17, 2020			
Substantial Completion	Friday, July 2, 2021			

Scope of Services

Task 1 – Schematic Design, 30%

- 1.1 **Design Kick-Off Meeting** – KH will attend one kickoff meeting with the Authority and design team. The purpose of this meeting is to introduce the participants of the project, to confirm and clarify project and design requirements, administrative procedures, restrictions and limitations, invoicing/pay procedures, security procedures, safety requirements, and to address the concerns of affected parties. KH will prepare and publish minutes to the meeting.

- 1.2 **Data Collection and Review** – KH will collect, review, compile, and summarize available data provided by the Authority. Authority is to provide relevant information such as as-builts, aerial photogrammetry, survey data, previous design plan record drawings, specifications, electrical and geotechnical investigation reports. Specifically, record documents on file with the Airport are to provide data regarding stormwater, pavements, electrical, communication and irrigation. This information will be compiled and visually verified in the field. This data, in conjunction with the geotechnical investigation, field survey and SUE, will be used for the preparation of a base plan for the design.

1.3 Threatened and Endangered Species – As prescribed by the Authority's Categorical Exclusion (CATEX) Section 5-2.b(3), KH will conduct a nest survey to ensure there are not active avian nests that the Migratory Bird Treaty Act (MBTA) protects within the project limits. KH will conduct a desktop review of the project for potential involvement with federal and state listed protected plant and animal species. This includes reviewing existing databases for protected species occurrences, identifying potential habitat available onsite for protected species, and conducting a field review to determine if any protected species are currently utilizing the site. A qualified avian biologist will survey the site for potential active bird nests that are protected under the MBTA. KH will coordinate their efforts with Kory McLellan of the USDA. Following both the desktop and field review, KH will provide a memorandum of findings summarizing the methodology, results, and recommendations. Any required follow-up mitigation efforts will be performed under a supplemental Work Order.

1.4 Geometric Verification – KH will evaluate the RON concept provided by the Authority from the Project Management Plan (PMP). The verification will consider and consists of the following:

- RON Apron sized to support five ADG III parked aircraft with uninhibited tug-in/tug-out operations.
- Consideration of ADG IV parking positions with uninhibited tug-in/tug-out. It is anticipated that one, may two ADG IV positions will be available by using a lesser amount of ADG III positions.
- Appropriate separation distances between neighboring parked aircraft
- Access and egress simulation modeling
- Stormwater conveyance
- Connecting taxiways to support the design aircraft
- Consideration of airspace and tower shadow evaluation
- Preparation of two schematic options

It is expected that the verification exercise will require coordination with the Authority. Two meetings with the Authority have been budgeted for this task. KH will develop schematic exhibits for each meeting to illustrate the geometric options and be prepared to discuss the advantages, challenges and operational considerations of each option. KH will prepare and publish meeting minutes for each engagement with the Authority. The design of the Airside F RON shall not proceed into the 60% Design Development until the definitive geometric layout has been approved and accepted by the Authority.

1.5 Preliminary Construction Safety and Phasing Plan (CSPP) – KHA will prepare the preliminary CSPP. This document will be submitted to Authority staff for review and comment. It shall serve as the basis for the final CSPP. During this time, it is anticipated that stakeholder engagement (FAA, ATCT, Tenants, Executive Authority Staff and Air Carriers) will be needed.

- 1.6 Field Activity Coordination** – KH will coordinate with their subconsultants for the SUE, survey and geotechnical investigations. KH will provide one full time escort while crews are within the AOA. Field activity schedules will be coordinated with Airport Operations and stakeholders.
- 1.7 Pavement Design** – Using the data obtained from the geotechnical investigation and aircraft data provide by the Authority, KH will develop the pavement design for the RON and adjacent shoulders. The design for the new pavement section(s) will comply with the current methods accepted by FAA.
- 1.8 Drawing Preparation** - Drawings will be prepared in accordance with specific format requirements provided by the Authority. Drawings prepared as part of this phase are anticipated to include:

Cover	Erosion & Sed. Control Details (2)
Project Drawing List	Site Demolition Plans (2)
Summary of Quantities	Site Demolition Details (2)
General Notes	Geometry and Paving Plans
Abbreviations/Legend	Typical Pavement Sections (3)
Contract Layout Plan	Pavement Marking Plans
Project Safety Notes	Pavement Marking Details (2)
Project Security Notes	General Electrical Notes
Project Safety/MOT Details	Electrical Abbreviations/Legend
Airspace Surface Protection Plan	Electrical Demolition Plans (2)
Phasing Plans (7)	Electrical Lighting Plan (2)
Maintenance of Traffic Plans (7)	Conduit and Ductbank Details
Boring Log and Pvmt. Cores (2)	Guidance Sign Details
Existing Conditions/Survey (3)	Hand Hole/Grounding Details
Erosion & Sed. Control Plan (3)	

- 1.9 Apron Edge Lighting and Signage** – During this design phase, KH will prepare a schematic layout of the apron edge lighting and signage. This information will be represented in the 30% Engineer’s Estimate of Probable Costs. Over the course of the remaining design phases, this layout will be refined and coordinated with Airport Operations and Maintenance staff.
- 1.10 Drainage Engineering** – During this design phase, KH will prepare a schematic layout of the apron drainage system. This includes apron inlets, pipe network, modifications to the flume, open channels, etc. This information will be represented in the 30% Engineer’s Estimate of Probable Costs. Over the course of the remaining design phases, the layout will be refined and coordinated with Airport Staff.
- 1.11 Utility Engineering** – During this design phase, KH will evaluate needed modifications/relocations of existing utilities discovered as a result of the due diligence and SUE investigation within the project site. This would include any FAA cables, airfield circuitry for signage/lighting, TECO duct banks, communications, etc. This information will be represented in the 30% Engineer’s

Estimate of Probable Costs. Over the course of the remaining design phases, the design new and modification of existing utilities will be refined and coordinated with Airport Staff and authorities having jurisdiction.

1.12 Technical Specifications – During this phase, KH will prepare outline technical specifications. Specifications will follow FAA format using unit cost where applicable.

1.13 Project Quantities and Engineer's Opinion of Probable Construction Costs – KH will determine project quantities for all items of work. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs.

1.14 Project Management – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.

1.15 Quality Control – In advance of the 30% deliverable, KH will provide the Authority the project's quality control plan. Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.

1.16 Deliverable – KH will package and deliver the following to Authority at the completion of the 30% design:

- PDF of 30% design plans (11x17)
- PDF of the outline technical specs
- PDF of the Engineer's Opinion of Probable Costs
- PDF of the updated project design and construction schedule
- PDF of all meeting minutes
- PDF of preliminary CSPP
- PDF of all QA/QC documentation

1.17 Review Meetings – Conduct meetings at the Authority's office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Shortly after the submission of the 30% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 2 – Design Development, 60%

The information obtained during the 30% phase will be reviewed and refined during the Design Development Phase - 60%. This phase will encompass the professional services required to furnish the Authority with a set of 60% documents, including technical specifications, 60% drawings, Construction Safety and Phasing Plan and cost estimates to reflect any adjustments to the project since the previous phase. These documents will be developed and prepared in accordance with FAA standards and will provide sufficient detail for the review of proposed design by the Authority and all other appropriate parties.

2.1 Drawing Preparation – Drawing prepared under the 30% phase will be refined and expanded to the 60% level. Drawings prepared as part of this phase are anticipated to include:

Cover	Erosion & Sed. Control Details (2)
Project Drawing List	Site Demolition Plans (2)
Summary of Quantities	Site Demolition Details (2)
General Notes	Geometry and Paving Plans
Abbreviations/Legend	Typical Pavement Sections (3)
Contract Layout Plan	Pavement Marking Plans
Project Safety Notes	Pavement Marking Details (2)
Project Security Notes	General Electrical Notes
Project Safety/MOT Details	Electrical Abbreviations/Legend
Airspace Surface Protection Plan	Electrical Demolition Plans (2)
Phasing Plans (7)	Electrical Lighting Plan (2)
Maintenance of Traffic Plans (7)	Conduit and Ductbank Details
Boring Log and Pvmt. Cores (2)	Guidance Sign Details
Existing Conditions/Survey (3)	Hand Hole/Grounding Details
Erosion & Sed. Control Plan (3)	

2.2 Apron Edge Lighting and Signage – During this design phase, KH will advance the schematic layout prepared in the previous phase to the 60% design level. This information will be represented in the 60% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, this layout will be refined and coordinated with Airport Operations and Maintenance staff.

2.3 Drainage Engineering – During this design phase, KH will further advance the stormwater design. This would include any observations provided by the Authority and information obtained from the SWFWMD pre-application meeting. Design will begin on needed aircraft rated stormwater inlets and culverts. This information will be represented in the 60% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, the layout will be refined and coordinated with Airport Staff.

- 2.4 Utility Engineering** – During this design phase, KH will continue with to evaluate needed modifications/relocations of existing utilities and needed new utilities. This will include any FAA cables, airfield circuitry for signage/lighting, TECO duct banks, communications, etc. This information will be represented in the 60% Engineer’s Estimate of Probable Costs. Over the course of the remaining design phases, the design new and modification of existing utilities will be refined and coordinated with Airport Staff and authorities having jurisdiction.
- 2.5 Technical Specifications** – During this phase, KH will prepare 60% technical specifications. Specifications will follow FAA format using unit cost where applicable. All technical specifications shall conform to the latest FAA Advisory Circular. Changes to the specifications that do not warrant a FAA Modification of Standards (MOS) will be identified by strike-through and bold-italic text.
- 2.6 Project Quantities and Engineer’s Opinion of Probable Construction Costs** – KH will determine project quantities for all items of work. In turn, these quantities shall be used by Connico to prepare the Engineer’s Opinion of Probable Construction Costs.
- 2.7 Project Management** – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.
- 2.8 Quality Control** - Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.
- 2.9 Deliverable** – KH will package and deliver the following to the Authority at the completion of the 60% design:
- PDF of 60% design plans (11x17)
 - PDF of the technical specs
 - PDF of the Engineer’s Opinion of Probable Costs
 - PDF of the updated project design and construction schedule
 - PDF of all meeting minutes
 - PDF of comment documentation list from 30% Review
 - PDF of all QA/QC documentation
- 2.10 Review Meetings** – Conduct meetings at the Authority’s office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Specific items to coordination with the Authority and affected stakeholders are project phasing and sequencing, haul route and staging area, maintenance of aircraft operations and construction durations. Shortly after the submission of the 60% plans and specifications, KH will attend one review

meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 3 – Construction Documents, 90%

The information prepared during the 60% phase will be reviewed and refined during the Construction Documents Phase - 90%. This phase will encompass the professional services required to furnish the Authority with a set of 90% documents, including technical specifications, 90% drawings, Construction Safety and Phasing Plan, engineer's report, draft project manual and cost estimates to reflect any adjustments to the project since the previous phase. These documents will be developed and prepared in accordance with FAA standards and will provide sufficient detail for the review of proposed design by the Authority and all other appropriate parties.

3.1 Drawing Preparation – Drawing prepared under the 60% phase will be refined and expanded to the 90% level. Drawings prepared as part of this phase are anticipated to include:

Cover	Paving Jointing Plans (6)
Project Drawing List	PCC Jointing Details (2)
Summary of Quantities	Paving Elevation Plans (6)
General Notes	Typical Pavement Sections (3)
Abbreviations/Legend	Grading and Drainage Plans (2)
Contract Layout Plan	Drainage Details (6)
Project Safety Notes	Apron Cross Sections (3)
Project Security Notes	Pavement Marking Plans
Project Safety/MOT Details	Pavement Marking Details (2)
Airspace Surface Protection Plan	General Electrical Notes
Phasing Plans (7)	Electrical Abbreviations/Legend
Maintenance of Traffic Plans (7)	Electrical Demolition Plans (2)
Boring Log and Pvmt. Cores (2)	Electrical Lighting Plan (2)
Existing Conditions/Survey (3)	Airfield Signage Plan (2)
Erosion & Sed. Control Plan (3)	Light Fixtures Installation Details
Erosion & Sed. Control Details (2)	Conduit and Ductbank Details
Site Demolition Plans (2)	Guidance Sign Details
Site Demolition Details (2)	Hand Hole/Grounding Details
Geometry and Paving Plans	Circuit Schematics

3.2 Technical Specifications – At this time, KH will prepare 90% technical specifications. Specifications will follow FAA format using unit cost where applicable. All technical specifications shall conform to the latest FAA Advisory Circular. Changes to the specifications that do not warrant a FAA Modification of Standards (MOS) will be identified by strike-through and bold-italic text.

- 3.3 Apron Edge Lighting and Signage** – During this design phase, KH will advance the layout prepared in the previous phase to the 90% design level. This information will be represented in the 90% Engineer's Estimate of Probable Costs. Lighting and signage schedules will be prepared. Construction detail and circuitry will be defined. The airfield lighting and signage will be designed to comply with the most current FAA criteria. Over the course of the remaining design phase, this layout will be finalized and coordinated with Airport Operations and Maintenance staff.
- 3.4 Drainage Engineering** – During this design phase, KH will advance the stormwater design to the 90% level. Structural calculation in support of collection/conveyance system will be prepared. Details of the needed aircraft rated stormwater inlets and culverts will be developed. This information will be represented in the 90% Engineer's Estimate of Probable Costs. Over the course of the remaining design phase, the details will be refined and coordinated with Airport Staff.
- 3.5 Utility Engineering** – During this design phase, KH will advance and provide further detail of the modifications/relocations of existing utilities needed new utilities. This would include any FAA cables, airfield circuitry for signage/lighting, TECO duct banks, communications, etc. This information will be represented in the 90% Engineer's Estimate of Probable Costs. Over the course of the remaining design phase, the details will be refined and coordinated with Airport Staff and authorities having jurisdiction.
- 3.6 Modifications to Air Traffic Control Tower (ATCT), Airfield Lighting Control Monitoring System (ALCMS) and Vault** – KH will evaluate and prepare modifications to the Authority's ALCMS as a result of RON apron's lighting system as needed. KH will check all loads on the existing regulators, evaluate potential regulator upgrades, power distribution system upgrade in the vault(s) and ALCMS modifications.
- 3.7 Obstruction Evaluation, 7460-1** – In accordance with Title 14 of the Code of Federal Regulations (14 CFR), Part 77, KH will compile the necessary data and submit to FAA for the Obstruction Evaluation/Airport Airspace Analysis (OE/AAA). This effort is warranted due to the high mast lighting for the RON. Any comments from OE/AAA regarding obstruction marking and lighting for the high mast poles will be incorporated into the design and will comply with Advisory Circular 70/7460-1L, Change 2. KH shall coordinate the OE/AAA filing with Authority Staff.
- 3.8 Construction Safety and Phasing Plan (CSPP)** – KH will prepare the final CSPP. KH will coordinate the project construction phasing and sequencing plan with the Authority and affected stakeholders. This document will supplement the technical specifications and serve as a guide for the selected Contractor when preparing the Safety Plan Compliance Document (SPCD). KH will submit the final CSPP to the Authority.
- 3.9 Draft Engineer's Report** - As part of this phase, a draft Engineer's Report will be submitted to the Authority. The report will discuss the work product in greater detail. The document will include technical calculations and a discussion of the rationale for the

selection of various design elements such as utility investigations, permitting, pavement design, drainage, construction sequencing, etc. This report will include pertinent documents in support of direction already provided and decisions already made by the Authority, our team, and/or pertinent authorities.

3.10 Project Quantities and Engineer's Opinion of Probable Construction Costs – KH will determine project quantities for all items of work. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs.

3.11 Project Management – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.

3.12 Quality Control - Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.

3.13 Sustainability Initiative – KH will work with Authority Staff in identifying areas within the construction and operation of RON Apron that will be consistent with the Authority's Sustainability Management Plan. KH will follow the Authority's Sustainable Design Criteria Manual Check List in determining areas compatible with the Build Green and Buy Green baseline.

3.14 Draft Front End Documents – KH will proactively begin to assemble the front end documents. This includes preparing descriptive paragraphs of the project and work, construction sequencing narrative, bid schedule, drawing list, spec list, etc. This effort also includes an evaluation of the 90% Engineer's Estimate of Probable Construction Cost for determining potential DBE trades that may contribute to the Contractor's DBE goal.

3.15 Deliverable – KH will package and deliver the following to the Authority at the completion of the 90% design:

- PDF of 90% design plans (11x17)
- PDF of the technical specs
- PDF of the Engineer's Opinion of Probable Costs
- PDF of the updated project design and construction schedule
- PDF of all meeting minutes
- PDF of comment documentation list from 60% review
- PDF of draft Front End Documents
- PDF of draft DBE breakout estimate
- PDF of draft Engineer's Report
- PDF of all QA/QC documentation

3.16 Review Meetings – Conduct meetings at the Authority’s office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Shortly after the submission of the 90% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 4 – Construction Documents, 100%

During this phase final bid documents will be prepared. All comments received from the Authority will be addressed to complete the bid documents.

4.1 Drawing Preparation – Drawing prepared under the 90% phase will be refined and expanded to the 100% level. Drawings prepared as part of this phase are anticipated to include:

Cover	Paving Jointing Plans (6)
Project Drawing List	PCC Jointing Details (2)
Summary of Quantities	Paving Elevation Plans (6)
General Notes	Typical Pavement Sections (3)
Abbreviations/Legend	Grading and Drainage Plans (2)
Contract Layout Plan	Drainage Details (6)
Project Safety Notes	Apron Cross Sections (3)
Project Security Notes	Pavement Marking Plans
Project Safety/MOT Details	Pavement Marking Details (2)
Airspace Surface Protection Plan	General Electrical Notes
Phasing Plans (7)	Electrical Abbreviations/Legend
Maintenance of Traffic Plans (7)	Electrical Demolition Plans (2)
Boring Log and Pvmt. Cores (2)	Electrical Lighting Plan (2)
Existing Conditions/Survey (3)	Airfield Signage Plan (2)
Erosion & Sed. Control Plan (3)	Light Fixtures Installation Details
Erosion & Sed. Control Details (2)	Conduit and Ductbank Details
Site Demolition Plans (2)	Guidance Sign Details
Site Demolition Details (2)	Hand Hole/Grounding Details
Geometry and Paving Plans	Circuit Schematics

4.2 Technical Specifications – At this time, KH will prepare the final technical specifications ready for bid. Specifications will follow FAA format using unit cost where applicable. All technical specifications shall conform to the latest FAA Advisory Circular. Changes to the specifications that do not warrant a FAA Modification of Standards (MOS) will be identified by strike-through and bold-italic text.

4.3 Apron Edge Lighting and Signage – During this design phase, KH will finalize the electrical design. This would include any adjustments to the vault and final coordinating with authorities having jurisdiction.

- 4.4 Drainage Engineering** – During this design phase, KH will finalize the stormwater design. Structural calculations and pipe network calculations will be documented within the Engineers' Report.
- 4.5 Utility Engineering** – During this design phase, KH will finalize the design of all affected utilities and any remaining coordination with authorities having jurisdiction.
- 4.6 Front End Documents** – KH will prepare for the Authority the final Front End Documents. This includes preparing descriptive paragraphs of the project and work, construction sequencing narrative, bid schedule, drawing list, spec list, etc. Any change from the 90% Engineers' Opinion of Probable Costs that alter the Contractor's DBE participation will be accounted for.
- 4.7 Project Quantities and Engineer's Opinion of Probable Construction Costs** – Bid items and project quantities will be re-evaluated in an effort to determine the final engineer's estimate. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs. At this phase of design there will be no contingency adjustment to the overall estimate. KH will develop the estimated contract DBE participation.
- 4.8 Final Engineer's Report** - As part of the final bid documents phase, an engineer's report will be submitted to the Authority. The report will be a continuation of the effort started within the 90% phase. The document will include a discussion of the rationale for selection of various design elements such as building layout, utility investigation, permitting, pavement design, drainage, construction sequencing, etc. This report will include pertinent documents in support of direction already provided and decisions already made by the Authority, our Team, and/or pertinent authorities.
- 4.9 Project Management** – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.
- 4.10 Quality Control** - Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.
- 4.11 Deliverable** – KH will package and deliver the following to the Authority at the completion of the 100% design:
- PDF of 100% design plans (11x17)
 - PDF of the technical specs
 - PDF of the Engineer's Opinion of Probable Costs
 - PDF of the updated project design and construction schedule
 - PDF of all meeting minutes
 - PDF of comment documentation list from 90% review

- PDF of Front End Documents
- PDF of DBE breakout estimate
- PDF of Engineer's Report
- PDF of all QA/QC documentation
- PDF of design deliverables check list
- Deliverables will be provided to the Authority electronically

4.12 Review Meetings – Conduct meetings at the Authority's office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Shortly after the submission of the 100% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 5 – Bidding Services

- 5.1 Pre Bid Meeting** – KH will prepare exhibits relative to the project, attend and present at the pre bid meeting. KH will provide the Authority electronic exhibits in PowerPoint. KH will participate in a site walk. This meeting will be chaired and managed by the Authority.
- 5.2 Preparation of Addenda** – KH will coordinate with the team and prepare addenda material. KH will provide the Authority addenda in electronic format. The Authority will make available these documents to potential bidders and plan rooms.
- 5.3 Recommendation of Contract Award** – KH will attend the bid opening, prepare the bid tabulation and provide the recommendation of award. Documentation provided by each bidder will be examined for completeness and compliance with bidding instructions.
- 5.4 Conformed Documents** – At the conclusion of the bidding services and prior to construction, KH will prepare a complete set of conformed contract documents for distribution. These documents will reflect all modifications to the plans and specifications identified in the bid addenda.
- 5.5 Deliverable** – KH will package and deliver the following to the Authority as part of this task:

Bid Documents

- 3 bound hard copies of the final design plans, 11x17
- 3 bound hard copies of the project manual including front end and technical specs
- Deliverables will be provided to the Authority electronically

Conformed Documents

- 3 bound hard copies of 11x17 conformed plans
- 3 bound hard copies of the conformed project manual including front end and technical specs
- 3 hard copies of the bid tabulation
- 3 hard copies of letter recommending award
- Deliverables will be provided to the Authority electronically

Task 6 – Construction Administration Services

Following the Authority's award of the construction contract, KH will support the Authority in administering the construction contract.

Specific services to be provided include:

- 6.1 General Administration of Construction Contract** – KH will coordinate with the Authority and act as their representative as provided in the Contract Documents; attend one pre-construction conference stated in FAA Advisor Circular 150/5370-2G and shall be prepared to discuss the CSPP; attend weekly construction progress meetings; prepare and publish minutes. General administration is inclusive of managing the team's subconsultants for field survey and materials testing (QA).
- 6.2 Construction Management Plan (CMP)** – Prepare a CMP for approval by the FAA. Coordinate with independent testing laboratory as well as contractor's laboratory to confirm preconstruction testing procedures are in place.
- 6.3 Visits to Site and Observation of Construction** - KH will provide periodic on-site construction observation services during the construction phase. KH will make 48 visits (excluding mobilization period) within the estimated duration of Task 6 in order to observe the progress of the work. Such visits and observations by KH are not intended to extend to every aspect of Contractor's work in progress. Observations are to be limited to spot checking, selective measurement, and similar methods of general observation of the work by the Authority on KH's exercise of professional judgment. Based on information obtained during such visits and such observations, KH will evaluate whether Contractor's work is generally proceeding in accordance with the plans and specifications, and KH will keep the Authority informed of the general progress of the work.

The purpose of KH's site visits will be to enable KH to better carry out the duties and responsibilities specifically assigned in this agreement to KH, and to provide the Authority a greater degree of confidence that the completed work will conform in general to the plans and specs. KH shall not, during such visits or as a result of such observations of the Contractor's work in progress, supervise, direct, or have control over the Contractor's work, nor shall KH have authority over or responsibility for the means,

methods, techniques, equipment choice, usage, sequences, schedules, or procedures of construction selected by the Contractor, for safety precautions and programs incident to the Contractor's work, nor for any failure of the Contractor to comply with laws and regulations applicable to the Contractor's furnishing and performing the Work. Accordingly, KH neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the plans and specs.

KH will recommend to the Authority that Contractor's work be disapproved and rejected while it is in progress if, on the basis of such observations, KH believes that such work will not produce a completed project that conforms generally to plans and specs.

- 6.4 Clarifications and Interpretations** - KH will respond to Contractor requests for information (RFIs) and issue necessary clarifications and interpretations of the Contract Documents to the Authority as appropriate to the orderly completion of Contractor's work. Any orders authorizing variations from the Contract Documents will be made by the Authority.

KH will, if requested by the Authority, render written decision on determined design changes for claims relating to design and specifications.

Throughout the duration of the construction, KH will make up to two revisions to the CSPP. As the CSPP is revised, KH will resubmit to the FAA for approval.

- 6.5 Change Orders** - KH may recommend Change Orders to the Authority, and will review and make recommendations related to Change Orders submitted or proposed by the Contractor. KH will assist in preparation of Change Orders in compliance with the Authority for the project.

- 6.6 Shop Drawings and Samples** - KH will review or take other appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for conformance with the information given in the plans and specs. Such review and approvals or other action will not extend to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs.

KH will evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by the Contractor in accordance with the Contract Documents, but subject to the provisions of applicable standards of state, local government entities and the Authority.

- 6.7 Substantial Completion** - KH will, promptly after notice from Contractor that it considers the work ready for its intended use, in company with the Authority and Contractor, conduct a site visit to determine if the work is substantially complete. Work will be considered substantially complete following satisfactory completion of all items with the exception of those identified on a final punch list. If after considering any objections of the Authority, KH considers the work substantially complete, KH will notify the Authority.

6.8 Final Notice of Acceptability of the Work - KH will conduct a final site visit to determine if the completed work of Contractor is generally in accordance with the Contract Documents and the final punch list so that KH may recommend, in writing, final payment to the Contractor. Accompanying the recommendation for final payment, KH shall also provide a notice that the Work is generally in accordance with the Contract Documents to the best of KH's knowledge, information, and belief based on the extent of the services and based on information provided to KH.

6.9 Post Construction Phase - KH will provide assistance and consultation to the Authority for up to one month following the Project final completion. This will include one site visit to observe any Contractor deficiencies in their work and assist the Authority in recommendations in correcting such Contractor deficiencies.

KH will assist the Authority in preparing close-out documentation. KH will prepare record drawings for submittal to the Authority within 30 days of receipt of acceptable as-built drawings from the Contractor. Record drawings will be submitted to the Authority in both electronic and hardcopy format.

6.10 Deliverable - KH will package and deliver the following to the Authority at the complete of the construction phase:

- 3 bound hard copies of 11x17 project record plans
- 3 bound hard copies of record project manual
- Deliverables will be provided to the Authority electronically

Project Assumptions and Exclusions:

- FAA Modification to Standards (MOS) will not be necessary.
- Duration of construction, including mobilization, is assumed at 48 weeks.
- Any required follow-up/mitigation efforts as a result of the Threatened and Endangered Species evaluation will be negotiated under a supplemental Work Order.
- Safety Risk Management (SRM) assistance is excluded
- Project will be bid and administered as a single bid package.
- NEPA Categorical Exclusion work is not included.
- ALP update is excluded.
- Environmental Contamination Assessment and clean-up is not included.
- Resident Project Representative (RPR) services are excluded
- Consideration of vehicle access to the RON from the airport service road is excluded.
- Project effort assumes that multiple KH staff will perform under the classifications of Professional Engineer and Engineer.

END



Hillsborough County Aviation Authority RON Parking Electrical Scope of Work

Airside F Apron

The Airside F Apron electrical design will consist high mast apron lighting poles with LED floodlighting, power distribution and control for apron lighting poles and miscellaneous power as required.

The apron lighting design will begin with photometric studies to determine the quantity of poles and fixtures to meet lighting levels. Lighting levels will be designed in accordance FAA Advisory Circular 150/5360-13A. The illumination levels for the aircraft parking area shall be 5.0 footcandles average.

The Airside F Apron electrical service will be required to be reviewed to determine if there are service panels available at the Taxiway J bridge, if there is a source at Airside F that is economical to utilize, or a new TECO service will be required. The electrical distribution will be a 480/277 volt system designed for the pole mounted lighting consisting of a main breaker branch circuit panelboard. The panel board will have branch circuit breakers serving the light poles. There will be a small 120/208 volt panels served through a step down transformer to feed small user loads such as controls. All of the panels will be rated NEMA 3R for outdoor installation

Volt Air Consulting Engineers will perform the following tasks associated with the Airside F RON Parking Apron:

Task 1 – Schematic Design, 30%

- 1.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 1.2 Power Distribution Plans – VoltAir will develop preliminary power distribution plans to outline electrical service requirements to serve apron lighting only. Electrical services from Tampa Electric Company will be indicated on these plans as well.
- 1.3 Lighting Plans and Photometrics – VoltAir will prepare photometric studies to determine lighting levels, fixture quantities and high mast pole locations to achieve lighting levels for apron as described in criteria. Photometric studies to include point by point footcandle calculations will be developed to verify lighting criteria
- 1.4 QA/QC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 1.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.
- 1.6 Specifications – VoltAir will develop electrical outline specifications for the project.
- 1.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy

Task 2 – Design Development, 60%

- 2.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 2.2 Power Distribution Plans – VoltAir will further develop power distribution plans to outline electrical service equipment to serve apron lighting only. Plans will be developed to indicate equipment and service locations as well as routing of services and feeders.



- 2.3 Lighting Plans and Photometrics – VoltAir will prepare revised photometric studies to determine lighting levels, fixture quantities and high mast pole location that incorporate any comments or revisions required from Schematic Submittal. Lighting plans will be further developed to indicate branch circuiting and control strategies.
- 2.4 QAQC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 2.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lighting and power distribution design.
- 2.6 Specifications – VoltAir develop and issue electrical specifications for the project to include detailed information of all equipment utilized in the project.
- 2.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.

Task 3 – Construction Document, 90%

- 3.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 3.2 Power Distribution Plans – VoltAir will further develop power distribution plans to outline electrical service equipment to serve apron lighting only. Plans will be developed to indicate panel schedules, riser diagrams and details
- 3.3 Lighting Plans and Photometrics – Roadway lighting will be further developed for new roadways and GSE equipment parking. Lighting plans will be further developed to indicate branch circuiting and control strategies.
- 3.4 QAQC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 3.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.
- 3.6 Specifications – VoltAir develop and issue electrical specifications for the project to include detailed information of all equipment utilized in the project.
- 3.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.

Task 4 – Construction Documents, 100%

- 4.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 4.2 Power Distribution Plans – VoltAir will further develop power distribution plans to outline electrical service equipment to serve apron lighting only. Plans will be developed to indicate panel schedules, riser diagrams and details
- 4.3 Lighting Plans and Photometrics –Lighting plans will be further developed to indicate branch circuiting and control strategies.
- 4.4 QAQC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 4.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.
- 4.6 Specifications – VoltAir develop and issue electrical specifications for the project to include detailed information of all equipment utilized in the project.
- 4.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.



Task 5 – Bidding Services

- 5.1 Answer Pre Bid RFI's – VoltAir will review and respond to all pre bid request for information and return responses to the team for distribution.
- 5.2 Prepare Addendums – VoltAir will prepare all addendums required to clarify RFI responses and coordinate any changes requested during the bidding phase.
- 5.3 Review Bid Documents – VoltAir will review all pricing received in the bidding documents and issue comments if required.

Task 6 – Construction Administration Services

- 6.1 RFI Review and Response – VoltAir will review and respond to all RFI's related to electrical and lighting plans. We will prepare drawing revisions as required to document responses.
- 6.2 Submittal Review – VoltAir will review all electrical shop drawings and submittals. We will provide comments and approvals within a timely manner.
- 6.3 Owner Submittal Review Meetings - VoltAir will review all key submittals with the HCAA team as requested prior to return of the submittals to the contractors.
- 6.4 Weekly OAC Meetings – VoltAir will attend OAC meetings to discuss project progress.
- 6.5 Weekly Site Construction and Field Reports – VoltAir will review construction progress and provide observation reports.



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May 19, 2019

Mr. Paul Piro
Kimley-Horn and Associates, Inc.
655 North Franklin Street – Ste 150
Tampa, FL 33602

**Subject: Hillsborough County Aviation Authority (HCAA) Airside F Remain Overnight
(RON) Parking – HCAA Proj. No. 8325 19
Scope of Services for Environmental Permitting**

Dear Mr. Piro:

We appreciate the opportunity to assist Kimley-Horn and Associates, Inc. (KHA) with their project for Hillsborough County Aviation Authority (HCAA) Airside F Remain Overnight (RON) Parking – HCAA Proj. No. 8325 19. The attached Scope of Services is responsive to KHA's directions and the project.

Please contact me with any questions or comments.

Sincerely,

Florida Design Consultants, Inc.

Colin Miller, PE
Sr. Project Manager

**ATTACHMENT “A” - SCOPE OF SERVICES
AIRSIDE F
FDC PROPOSAL #19-040R**

A. ENVIRONMENTAL PERMITTING FOR THE AIRSIDE F REMAIN OVERNIGHT (RON) PARKING – HCAA PROJECT NO. 8325 19

Florida Design Consultants, Inc. (FDC) will assist Kimley-Horn & Associates, Inc. (KHA) with Environmental Permitting for the Airside F Remain Overnight (RON) Parking (Project). The Project is located at the Tampa International Airport (TPA) which is managed by the Hillsborough County Aviation Authority (HCAA). The Project involves the reconfiguration of an existing permitted stormwater management system, which appears to provide treatment and attenuation for Airside F and a culvert outfall to Fish Creek.

B. ENVIRONMENTAL PERMITTING

The regulatory agencies potentially requiring permits are anticipated to be the Southwest Florida Water Management District (SWFWMD), and City of Tampa. The actual permits will depend on the proposed configuration and may require additional coordination with other regulatory agencies (not included at this time).

C. 30% CONSTRUCTION PLANS PREPARATION

FDC will prepare general guidance for Environmental Permitting aspects of the Project for use by KHA in developing and refining the design concept. This guidance will be based on our knowledge of the Project area and potential permitting thresholds which may impact the Project.

FDC will schedule and attend Pre-Application meetings, as appropriate based on the design concept, with the SWFWMD, and City of Tampa.

FDC will prepare documentation describing the Environmental Permitting applications (type and costs) as determined by the KHA design concept and the Pre-Application meetings.

FDC will prepare preliminary designs, calculations, and exhibits based on the KHA design concept. FDC will review current Master Drainage Model (provided by others) in electronic format. The preliminary design requirements will provide general volumes, dimensions, and types for proposed stormwater management systems.

Deliverables:

- Permit Guidance Memorandum (electronic only)
- Pre-Application Meeting Materials
- Pre-Application Meeting Minutes
- Preliminary Design Calculations Memorandum (electronic only)

D. 60% CONSTRUCTION PLANS PREPARATION

FDC will prepare specific guidance for Environmental Permitting component of the Project for use by KHA in refining the design concept.

FDC will modify Master Drainage Model based on proposed design (provided by KHA). If the results, from the modified Master Drainage Model, indicate the proposed configuration will not meet regulatory requirements, alternatives will be proposed.

FDC will prepare Drainage Report summarizing the stormwater analysis for use with Environmental Permitting. FDC will prepare Environmental Report (if necessary) summarizing the environmental components for use with the Environmental Permitting. FDC will prepare Exhibits for Drainage and Environmental Reports and any other Environmental Permitting Exhibits.

FDC will prepare Stormwater Management Systems and Environmental Details in AutoCAD Civil 3D 2018 format. These details will be for large components, for example underdrains or pond control structures, and will not include stormwater collection systems (storm sewer will be designed by others).

FDC will prepare Permit Applications for signature by the HCAA or their authorized Agent. FDC will submit permit applications to Regulatory Agencies electronically (if possible) and coordinate review responses.

FDC will prepare responses to Environmental Permit review comments. For review comments beyond the scope of environmental or drainage design we will coordinate with KHA for appropriate responses.

Deliverables:

- Drainage Report (electronic only, digitally signed/sealed)
- Environmental Report (if necessary, electronic only)
- Permit Application Forms (electronic only)
- Stormwater Management Design Details
- Permit Review Comments (from Agencies, electronic only)
- Responses to Permit Review Comments (electronic only)

E. CONSTRUCTION ADMINISTRATION

FDC will assist KHA with permit close-out for all Environmental Permits by reviewing as-built Surveys (provided by others), conducting field visits (as necessary), reviewing photographs (by others), and preparing applications. If deviations are found during close-out, FDC will assist KHA in determining potential design and permitting solutions.

Deliverables:

Review of As-Built Survey
Permit Close-Out Applications

F. ADDITIONAL SERVICES OR FEES

The following services are not anticipated to be provided by Florida Design Consultants:

- Additional Permit Coordination (with regulatory agencies not explicitly stated above)
- Permit Coordination with Army Corps of Engineers (ACOE) of any kind
- Permit Application Fees (fees cannot be determined until proposed activities are defined)
- Stormwater Collection System (storm sewer) to be performed by other KH team members
- Wetland Delineation
- Historical Resources Investigation and Documentation
- Geotechnical Investigation to be performed by other KH team members
- Surveying Services (of any kind) to be performed by other KH team members
- Hazardous Material Investigation and Documentation
- Public Involvement Activities
- Responses to contractor requests for additional information to be performed by other KH team members
- Review of shop drawings to be performed by other KH team members

EXHIBIT A – SCOPE OF WORK AND FEE

Project Scope

Project No. 8325 19, Airside F RON Parking, will construct a RON facility located South of Airside F in an area that is currently a stormwater management facility. The location of this area is just east of Runway 1L. It is envisioned that the RON facility will be able to accommodate five commercial aircraft. Project No. 8325 19 will also install new ramp lighting.

Scope of Services

Connico proposes to provide an Opinion of Probable Construction Cost services as follows:

- ↓ 30% Design Estimate
- ↓ 60% Design Estimate
- ↓ 90% Design Estimate
- ↓ 100% Design Estimate
- ↓ 30% ROM Construction Schedule
- ↓ 60% Design Construction Schedule
- ↓ 90% Design Construction Schedule Update

Each estimating phase includes an initial scope of work review meeting, and an estimate draft review meeting prior to issuing the estimate via teleconference.

Should onsite meetings be required, these will be considered Additional Services.

The quantities of work will be furnished by Kimley-Horn with Connico doing a spot check on these quantities. This proposal is for design phase services only; construction phase services are not included.

Hazardous Materials Abatement is not included. If consultant provides an estimate for hazardous materials, Connico will include in the estimate and cite source.

In providing estimates of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made on the basis of the Consultant's professional judgment and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's estimate of probable construction cost.

We require one (1) set of drawings and narrative/specifications, an electronic version of the drawings (PDF) and a copy of the soil borings report, if available and applicable.

Connico will provide an electronic copy of the estimate.

Deliverables

The estimate will be prepared in a customized format to fit the requirements of the Client provided the format is established at the beginning of the estimating task. The estimate will identify our opinion of probable construction



EXHIBIT A – SCOPE OF WORK AND FEE

cost of the project, based on the documents provided by the Client. Connico is entitled to rely and will rely on the accuracy and completeness of all such documents without undertaking an independent investigation to confirm the same.

Also included within the estimate shall be our Estimate Notes. The notes will contain allowances, criteria, and clarifications for the estimate, based on our assumptions and verbal information provided by the design team. The notes will also include any other comments about the project estimate that we feel are relevant. Connico will provide an electronic copy of the estimate report.

The estimate(s) shall be prepared within twelve (12) business days from the date all design information required is received by Connico. In the event that supplemental information is furnished to Connico after a task has begun, and such information requires changes to any quantity take-off currently in progress, Connico reserves the right to request additional compensation for any such additional take-off. No additional time shall be expended on work affected by such supplemental information without the prior written consent of the Client and an agreement having been reached as to the scope and additional fee required.

Proposed Fees (Basic Scope of Services)

“See attached Spreadsheet for the Not-To-Exceed Fee”

The proposed fees are based on providing all listed phase of estimates. Should the Client elect to change the scope of services, Connico reserves the right to renegotiate our fees.

Proposed fees are based on providing one draft estimate for review and comment and one final estimate. Should additional revisions be requested, these shall be considered additional services.

Services not set forth above are specifically excluded from the scope of the Consultant's services. The Consultant assumes no responsibility to perform any services not specifically listed.

Additional Services

Additional services are not included as part of the Basic Scope of Services and shall be paid for by the Client, in addition to payment for Basic Services, in accordance with Connico’s schedules below, or as agreed to by the Client and Connico.

Basic Services do not include, cost management, evaluating or making recommendations regarding substitution of materials, products, or equipment proposed, design alternatives or value engineering building or site systems; reconciliation estimates or services, and meetings not included within the base proposal. Connico shall be reimbursed at the rates for additional services as included within the worksheet.



May 19, 2019

Mr. Paul P. Piro, P.E.

Kimley-Horn

655 North Franklin Street, Suite 150

Tampa FL 33602

Re: Proposal for Professional Surveying Services
Tampa International Airport (TIA)
South Airside Remain Over Night Aircraft Parking Apron (RON): (1) Topographic Survey
Hillsborough County, Florida

Dear Mr. Piro:

Pursuant to the information you have provided, Hyatt Survey Services, Inc. is pleased to submit this proposal for the following professional surveying services required on the above-referenced project:

Level of Service - Topographic Survey:

- a. Hyatt Survey will perform a Topographic Survey of the South Airside Remain Over Night (RON) Aircraft Parking Apron site as located at the Tampa International Airport (TIA) in Hillsborough County, Florida, and depicted in the attached exhibit. (Approx. 20 acres)
- b. The survey limits for this project will extend to the limits as depicted in the attached exhibits.
- c. The survey shall include the location and identification of all above ground, visible structures (including overhead wires) and features along with any accessible subterranean features including pipe inverts with size and material.
- d. The client will order a design ticket and Hyatt Survey will locate all mark or flagged utilities.
- e. Hyatt Survey will determine site elevations on full cross sections within the survey limits and collected at 25-foot stations on aircraft pavement and 50-foot stations on other non-improved surfaces. Elevations will be collected at grade breaks, at changes in direction on curbing/paving to the limits as shown on the attached exhibit.
- f. This survey will be referenced to NAD83/07 or 11 Florida State Plane Coordinates.
- g. All elevations will be referenced to published NGS benchmarks relative to the NAVD 88 vertical datum.
- h. This project will require no more than 45 days to complete.



Mr. Paul P. Piro, P.E.
Kimley-Horn
April 10, 2019
Page 2

Deliverables:

- One (1) electronic file in AutoCAD/Civil 3D dwg format of topographic survey. Include ground surface contours/TIN in Civil3D format or LandXML format.
- Two (2) signed and sealed topographic survey drawing sheets. Prepared on 22" x 34" sheets. Horizontal scale as necessary for required detail. Drawing to show all line work for collected features.
- Text file of all data collected showing, Point Number, Northing, Easting, Description, and Elevation.

Hyatt Survey proposes to provide these services for the "Not to Exceed" fees as shown on the attached spreadsheet.

All work will be performed in accordance with the standards of practice outlined in Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

If you have any questions or comments, please do not hesitate to contact me at 941-748-4693. I look forward to working with you on this project.

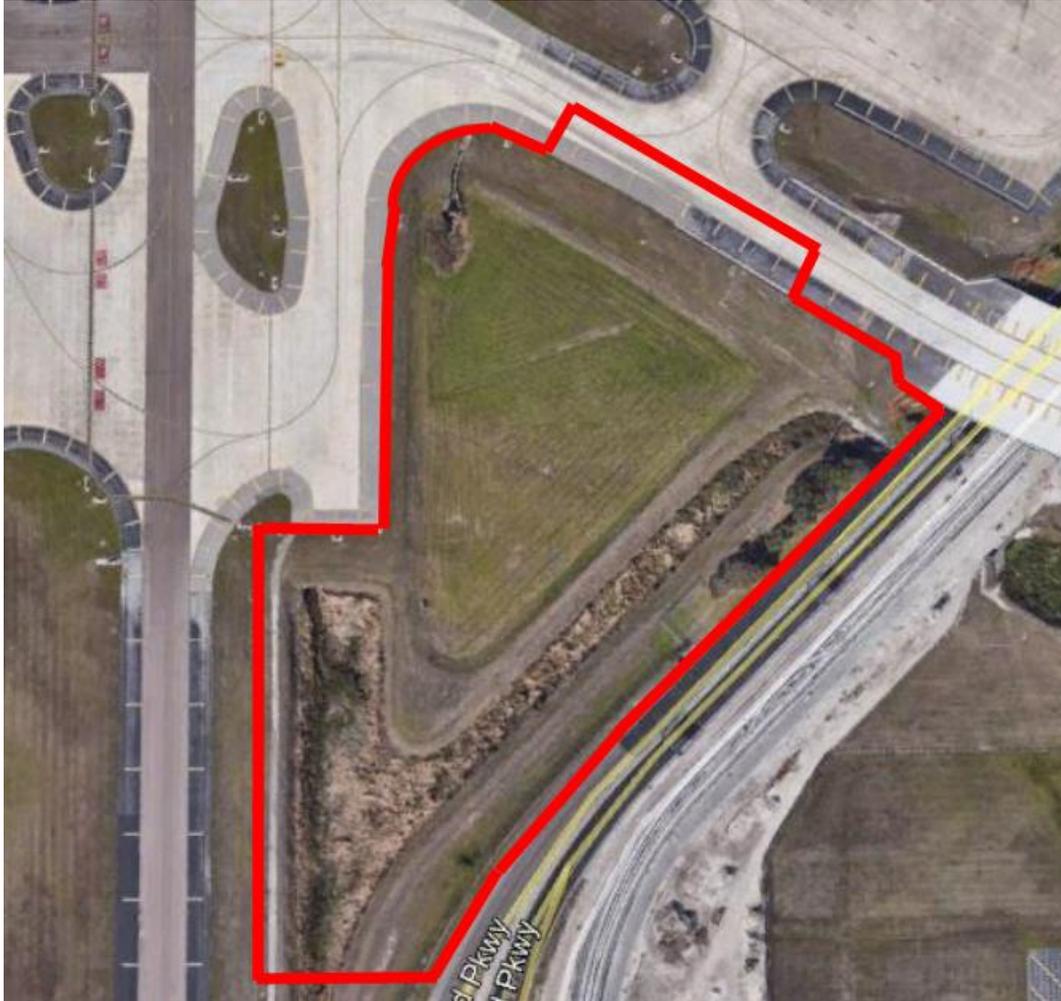
Sincerely,
HYATT SURVEY SERVICES, INC.

A handwritten signature in black ink that reads "Pamela A. Hyatt".

Pamela A. Hyatt, P.S.M.
President



EXHIBITS:



TIERRA

April 17, 2019 Rev 2

Kimley-Horn
655 North Franklin Street, Suite 150
Tampa, Florida 33602
Attn: Mr. Paul P. Piro, PE

**RE: Proposal for Geotechnical Engineering
And Material Testing Services – Audit Package
Tampa International Airport - Remain Overnight Aircraft Parking
Aprons Airside F Ron 8325-19
Hillsborough County, Florida
Tierra Project No. 6511-19-061**

Mr. Piro:

Thank you again for allowing Tierra to support you and KHA on the TIA Apron Parking Projects. Please find attached the requested audit package information and fee schedule estimates for the requested services.

Aprons Airside F Ron 8325-19

- Perform 15 land based SPT borings to a depth of 10 feet
- Perform 2 difficult access SPT borings to a depth of 10 feet
- Perform associated as-needed soil laboratory classification testing
- Perform 2 CBR tests, sediment and muck delineation and 2 DRI tests
- Perform associated construction quality assurance inspection and laboratory testing

Tierra, Inc. appreciates the opportunity to submit these personnel for service. Please contact our office should any additional information be required.

Respectfully Submitted,

TIERRA, INC.



Henri V. Jean, P.E.
Principal Geotechnical Engineer

March 19, 2019

Paul Piro, PE
Aviation Project Manager
Kimley-Horn
655 North Franklin Street, Suite 150
Tampa, FL 33602

PROPOSAL FOR SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES

Project: HCAA Project No. 8325 19 - Airside F RON (Remain Overnight) Parking Apron at Tampa International Airport, Hillsborough County, FL

Dear Mr. Piro:

At ECHO UES, Inc. (ECHO) we value your consideration and appreciate the opportunity to provide a technical proposal for the provision of professional services. This technical proposal, inclusive of economical offer and schedule, details the approach we consider as the most suitable for this project.

Project Synopsis: Based on the information made available to ECHO, we understand the project to consist of design and construction services for constructing a RON (Remain Overnight) Parking Apron facility located south of Airside F in an area that is currently a stormwater management facility. The location of this area is depicted in Exhibit A, attached hereto and incorporated herein by reference. It is envisioned that the RON facility will be able to accommodate a minimum of five commercial aircraft. The project includes the installation of new ramp lighting.

ECHO's professional services were requested to provide subsurface utility engineering (SUE) services to support said activities.

Project Limits: ECHO's proposed services will be performed within well-defined limits (i.e. Project Limits) as shown on the attached graphic representation and detailed below. The project limits consist of one irregularly shaped area measuring approximately 9.5 acres. It is fronted by Taxiway J to the northeast and the George J. Bean Parkway to the southwest.

Subsurface Utility Engineering (SUE) Services (30% Phase)

Using a combination of field investigative techniques and technology, including surface geophysical instruments, and vacuum excavation if needed, ECHO will perform the following services.

1. **Identification and marking of existing utilities.** Utilities potentially in conflict with the project and located within the project limits will be investigated in the attempt to identify their horizontal position. The results will be marked on the ground surface using the most appropriate method (i.e. pin flags, paint etc.) and showing the approximate position of the identified utilities.

Utilities that ECHO will attempt to identify, and mark utilities located within the project limits, with the exclusion of irrigation lines, services lines and sewer laterals. Gravity sewer and storm water systems will be collected during the topographic survey efforts by the surveyor of record (by others).

2. **Verification of utility location and characteristics (60% Phase).** At specific locations (specified by Kimley-Horn) ECHO will attempt to expose utilities via minimally intrusive methods (e.g. use of vacuum excavation) to address potential utility conflicts with the proposed design and construction and confirm the utilities' characteristics (e.g. type, size, material, direction, configuration) and provide an accurate vertical location. At completion of each excavation (test hole) ECHO will record all verifiable utility information, mark the utility location with the most appropriate method (e.g. wooden lathes, "X" mark on concrete, disc and nail on asphalt) and restore the field to as close as possible to its original conditions.
3. **Survey of utility information.** ECHO will perform a survey of the utility information obtained as per steps above. The survey will be based on the North American Datum of 1983 (NAD83), West Zone and elevations will be referenced to the North American Vertical Datum 1988 (NAVD 88). ECHO will utilize existing control information used for this project provided by Kimley-Horn (or the surveyor of record). All survey efforts will be conducted in accordance with the Standards of Practice set forth in Rule Chapter 5J-17, F.A.C., pursuant to Section 472.027, F.S.

Deliverables:

- Field deliverables will consist of field marks (e.g. pin flags, paint marks, wooden lathes, nails/discs etc.) showing the position of the designated and located utilities.
- Office deliverables will consist of:
 - Images and a sketch (not to scale unless otherwise stated) based on the project plans or aerial imagery publicly available.
 - Survey digital CADD file (AutoCAD) and a signed and sealed surveyor's report.

Proposed Schedule:

Subsurface Utility Engineering (SUE)

- To be discussed and agreed upon following acceptance of this proposal.

The proposed schedules shall be valid barring any unforeseen conditions.

Notes and Limitations:

1. Client shall facilitate access to the site and provide any relevant project information.
2. This item intentionally left blank.
3. Standard work hours are from 7:00am to 4:00pm, Monday through Friday; additional charges may occur (following discussion with the Client) in case of weekend or nighttime work.
4. ECHO will not work on any site that is known to be contaminated with any hazardous or harmful substance.
5. Any permit or fee requested to perform the work complying with any stakeholder's requirement will be submitted to the Client with a 5% administrative markup.
6. FDOT Design Standards (Index 600 Series) will be utilized for the Maintenance of Traffic (MOT). Should the site require modification to the Index 600 for non-standard MOT arrangements, ECHO will seek the Client's concurrence to obtain signed and sealed project specific MOT plans (to be provided by others).
7. Any cost associated with signed and sealed MOT plans will be submitted to the Client with a 5% administrative markup.
8. Unless otherwise stated within this proposal, test holes have usual depth of up to eight (8) ft. from the ground surface, and diameter of up to 1 ft. Should there be a need for deeper or wider excavations, additional charges may apply.
9. The original ground surface at each test hole location will be restored to as close as possible to its original conditions, using concrete mix or asphalt cold patch as applicable. Any deviation from this standard (e.g. use of hot asphalt, flowable fill etc.) may require additional charges and the use of specialty subcontractors.
10. Regardless of the type of estimate proposed (e.g. lump sum, time and materials, etc.) such estimate should be considered indicative and based on preliminary information. Should any situation out of ECHO's control heavily impact ECHO's field work performance (e.g. adverse site conditions), ECHO reserves the right to seek additional funds to complete the work.
11. The exact location of any underground utility is not guaranteed unless clearly exposed and visually verified at a specific location. Utility characteristics, methods of installation, soil conditions and the surrounding environment all may impact adversely the results of any utility investigation with surface geophysical instruments and technology. No guarantee is made that all utilities will be found and identified.
12. Independently from ECHO's scope of work and performance, the Client shall comply with the relative chapter from the Florida (or any other applicable) Statutes: "Underground Facility Damage Prevention and Safety Act" and call 811 prior to any excavation taking place.
13. Subsurface Utility Engineering, Designating and Locating terms all refer to the American Society of Civil Engineers / Construction Institute Standard for the Collection and Depiction of Subsurface Utility Data (ASCE/CI 38-02). Should ECHO adopt this standard for the performance of the scope of work and preparation of deliverables, clear mention to the Standard shall be made throughout the deliverable.

At ECHO UES, Inc. we believe in collaboration and communication with our clients and are driven to understand their needs and provide time efficient and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction and Maintenance of infrastructure.

Thank you for considering ECHO for this important project and please do not hesitate to contact me directly should you have any questions or concern.

Sincerely,

ECHO UES, Inc.

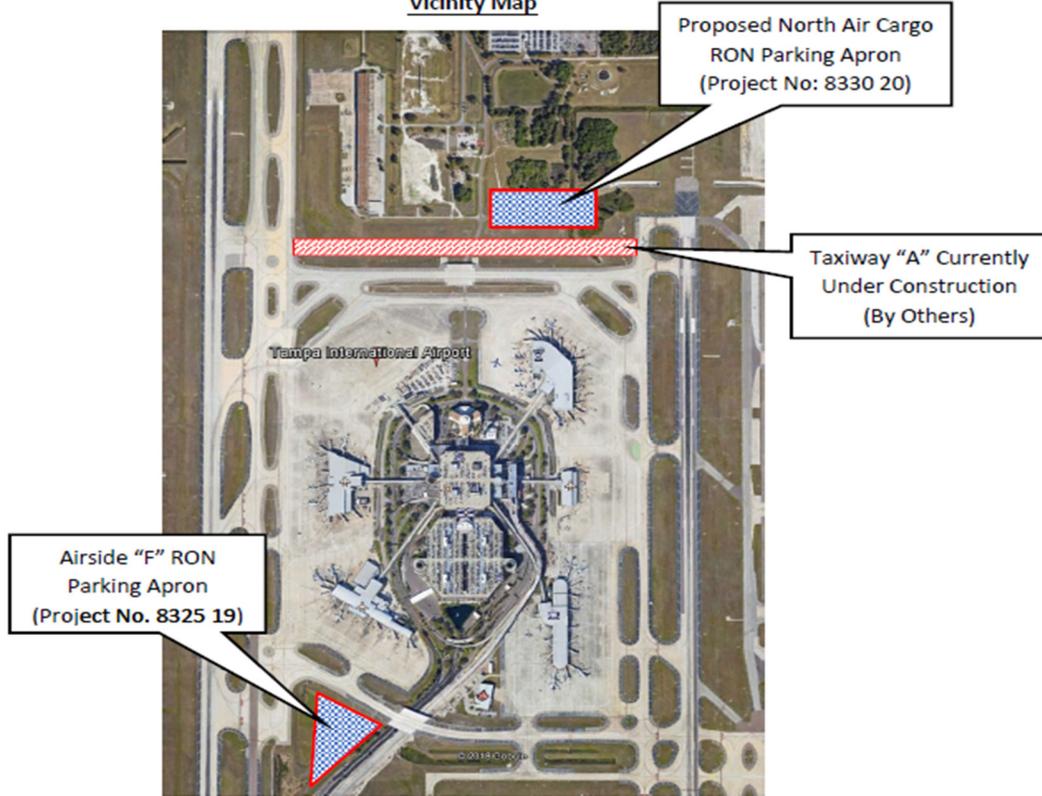
A handwritten signature in blue ink, appearing to read "Jerry Comellas, Jr.", with a stylized flourish at the end.

Jerry Comellas, Jr., PE
President

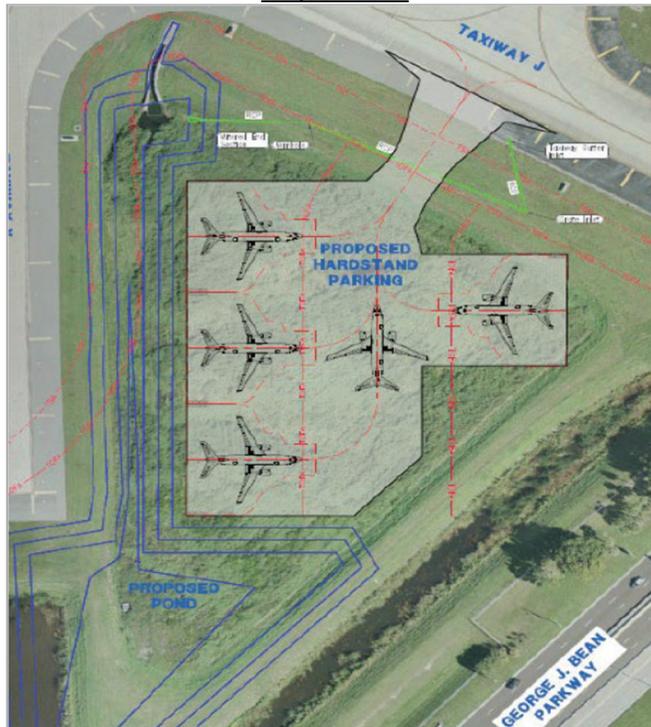
(See EXHIBIT A below)

EXHIBIT A

Vicinity Map



Project Limits



30% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
Airside F RON Parking												
HCAA Project Numbers: 8325.19												
5/28/2019												
Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total		
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Basic Design Services												
Task 1 - 30% Design - Kimley-Horn and Associates												
I.1 Design Kick-Off Meeting		4	3									7
I.2 Data Collection and Review		40	40			40						120
I.3 Threatened and Endangered Species								60	20			80
I.4 Geometric Verification		36	50	0	110	10	60	0	0			266
I.5 Preliminary Construction, Safety and Phasing Plan (CSPP)		5	15		20	10			5			55
I.6 Field Activity Coordination		20	120									140
I.7 Pavement Design		2	10									12
I.8 Drawing Preparation												0
Cover						2						2
Project Drawing List			2			4						6
Summary of Quantities			2			8						10
General Notes		1			4	4						9
Abbreviations/Legend						4						4
Contract Layout Plan		4	4			16						24
Project Safety Notes		1				8						9
Project Security Notes			2			8						10
Project Safety/MOT Details			2			8						10
Airspace Surface Protection Plan						16						16
Phasing Plans (7)		4	20			20	8					24
Maintenance of Traffic Plans (7)						30						44
Boring Log and Pymt. Cores (2)			15			20						65
Existing Conditions/Survey (3)			1			8						9
Horizontal and Vertical Control Plan			1			8						9
Erosion & Sed. Control Plan (3)					2	2						4
Erosion & Sed. Control Details (2)					8	10						18
Existing Utility Plan (2)					4	2						6
Site Demolition Plans (2)		4			20	20						44
Site Demolition Details (2)		2			8	10						20
Geometry and Paving Plan		1	4		20	5						30
PCC Jointing Plans (6)												0
Paving Details (2)												0
Paving Elevation Plans (6)			4		20	10						0
Typical Pavement Sections (3)												0
Grading and Drainage Plans (2)												0
Drainage Details (6)												0
Apron Cross Sections (3)												0
Pavement Marking Plans					8	8						16
Pavement Marking Details (2)						2						2
General Electrical Notes			1		2							3
Electrical Abbreviations/Legend			1		2							3
Electrical Demolition Plans (2)			2		8							10
Electrical Lighting Plan (2)			4		16							20
Electrical Signage Plan (2)												0
Light Fixtures Installation Details												0
Conduit and Ductbank Details			4		8							12
Guidance Sign Details			4		8							12
Hand Hole/Grounding Details			4		8							12
Circuit Schematics												0
Apron Lighting and Signage				2	10	16						28
Drainage Engineering		4	20		20	20						44
Utility Engineering		4	30		30	54						54
Technical Specifications		10	12		10	10			5			47
Project Quantities and Engineer's Estimate			7		14	10						31
Project Management		230		2		15						232
Quality Control	10	5	8	4	8	8						42
Deliverable					8	8			4			20
Review Meetings		11	15	3	3							32
Subtotal Hours	10.00	424.00	457.00	11.00	505.00	330.00	128.00	60.00	34.00			1959
Rate	\$ 85.82	\$ 75.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65			
Subtotal Direct Labor	\$ 858.20	\$ 30,985.92	\$ 24,851.66	\$ 830.39	\$ 21,735.20	\$ 11,213.40	\$ 9,272.32	\$ 2,557.80	\$ 804.10			\$ 103,108.99
Subtotal Burdened Labor @		3.05										\$ 3,144,842.42

30% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
Airsides F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Hours	Hours	Hours	Total
Basic Design Services												
Task 1 - 30% Design - Volt Air Consulting Engineers, Inc.												
1.1 Design Meetings	2	4	4	2								12
1.2 Power Distribution Plans		4	8	8	15	12						47
1.3 Lighting and Photometrics		8	24	24	15	12						83
1.4 OAC	2	4	6	8								20
1.5 HCAA Review Meetings		6	8									14
1.6 Specifications		4	6	6				12				22
1.7 Estimating Assistance		2	2									4
												0
Subtotal Hours	4.00	32.00	58.00	42.00	30.00	24.00		12.00				202
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.53	\$ 43.99	\$ 29.38	\$ -	\$ -	\$ -	\$ 10,285.44
Subtotal Direct Labor	\$ 342.88	\$ 2,218.56	\$ 3,375.02	\$ 1,703.52	\$ 1,319.70	\$ 973.20	\$ -	\$ 352.56	\$ -	\$ -	\$ -	\$ 23,656.51
Subtotal Burdened Labor @		2.30										

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
Airsides F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Sr. Engineer	Engineer	Sr. Ecologist	Hours	Total							
Basic Design Services												
Task - 30% Design - Florida Design Consultants, Inc.												
General Guidance Permitting 8325-19	6			6								12
Pre-Application Meeting 8325-19	16	16		16								48
Permits Memorandum 8325-19	4	8		8								20
												0
Subtotal Hours	26.00	24.00	30.00									80
Rate	\$ 46.15	\$ 25.96	\$ 48.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,265.34
Subtotal Direct Labor	\$ 1,199.90	\$ 623.04	\$ 1,442.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,665.41
Subtotal Burdened Labor @		2.96										

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
Airsides F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Associate Principal	Director	Senior Project Specialist	Project Analyst III	Admin Specialist	Cost Analyst II	Hours	Hours	Hours	Hours	Total
Basic Design Services												
Task 1 - 30% Design - Connico, Inc.												
Cost Estimating	1	2	2		16	1	16					38
Scheduling												0
												0
Subtotal Hours	1.00	2.00	2.00		16.00	1.00	16.00					38
Rate	\$ 106.96	\$ 84.59	\$ 78.41	\$ 44.48	\$ 42.36	\$ 32.92	\$ 30.60	\$ -	\$ -	\$ -	\$ -	\$ 1,635.20
Subtotal Direct Labor	\$ 106.96	\$ 169.17	\$ 156.82	\$ -	\$ 677.69	\$ 32.92	\$ 489.65	\$ -	\$ -	\$ -	\$ -	\$ 4,817.94
Subtotal Burdened Labor @		2.95										

60% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design

Airside F RON Parking

HCAA Project Numbers 8325 19

5/28/2019

Scope/Task	QA/QC		Project Manager		Senior Engineer		Senior Electrical Engineer		Professional Engineer		Engineer		Aviation Planner		Environmental Scientist		Administrative		Total
	Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		
Basic Design Services																			
Task 2 - 60% Design - Kimley-Horn and Associates																			
2.1 Drawing Preparation																			
Cover																			0
Project Drawing List					2							2							2
Summary of Quantities					2							4							4
General Notes									2										6
Abbreviations/Legend					2														5
Contract Layout Plan					4						16								24
Project Safety Notes					1						4								7
Project Safety/MOT Details					2						4								6
Airspace Surface Protection Plan					2				20		20								42
Phasing Plans (7)					2				16		8			4					30
Maintenance of Traffic Plans (7)					20				40		20								84
Boring Log and Pmt. Cores (2)					15				40		30								85
Existing Conditions Survey (3)					2						8								10
Erosion & Sed. Control Plan (3)					2						8								10
Horizontal and Vertical Control Plan									1		2								3
Erosion & Sed. Control Details (2)					1				2		4								7
Existing Utility Plan (2)									4		2								6
Site Demolition Plans (2)					5						30								59
Site Demolition Details (2)					2						20								47
Geometry and Paving Plans					1						10								36
Paving Jointing Plans (6)																			0
PCC Jointing Details (2)																			0
Paving Elevation Plans (6)																			0
Typical Pavement Sections (3)					4				10		10								24
Grading and Drainage Plans (2)																			0
Drainage Details (6)																			0
Apron Cross Sections (3)																			0
Pavement Marking Plans									8		8								16
Pavement Marking Details (2)									2		4								6
General Electrical Notes					1				2		2								3
Electrical Abbreviations/Legend					1				2		2								3
Electrical Demolition Plans (2)					2				4		4								6
Electrical Lighting Plan (2)					4						32								36
Electrical Signage Plan (2)																			0
Light Fixtures Installation Details																			0
Conduit and Ductbank Details					4				8		8								12
Guidance Sign Details					4				8		8								12
Hand Hole Grounding Details					4				8		8								12
Circuit Schematics																			0
Apron Lighting and Signage					4				10		16								28
Drainage Engineering					4				20		20								44
Utility Engineering					4				20		20								54
Technical Specifications					10				10		10						5		49
Project Quantities and Engineer's Estimate					9				14		10								33
Project Management					170				2		15								172
Quality Control					5				8		8								47
Deliverable																		4	20
Review Meetings					11				3		3								29
																			0
Subtotal Hours		10.00		221.00	193.00	16.00		319.00			329.00			4.00				9.00	1101
Rate		\$ 85.82		\$ 73.08	\$ 54.38	\$ 75.49		\$ 43.04		\$ 33.98			\$ 72.44		\$ 42.63			\$ 23.65	
Subtotal Direct Labor		\$ 858.20		\$ 16,150.68	\$ 10,495.34	\$ 1,207.84		\$ 13,729.76		\$ 11,179.42			\$ 289.76		\$ -			\$ 212.85	\$ 54,123.85
Subtotal Burdened Labor @				3.05															\$ 165,077.74

60% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Hours	Hours	Hours	Total
Basic Design Services												
Task 2 - 60% Design - Volt Air Consulting Engineers, Inc.												
2.1 Design Meetings	2	4	4	2								12
2.2 Power Distribution Plans		4	8	8	15	12						47
2.3 Lighting and Photometrics		8	24	24	15	12						83
2.4 IAQC	2	4	6	8								20
2.5 HCAA Review Meetings		6	8									14
2.6 Specifications		4	6					12				22
2.7 Estimating Assistance		2	2									4
												0
Subtotal Hours	4.00	32.00	58.00	42.00	30.00	24.00	-	12.00				202
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38				\$ -
Subtotal Direct Labor	\$ 342.88	\$ 2,218.56	\$ 3,375.02	\$ 1,703.52	\$ 1,319.70	\$ 973.20	\$ -	\$ 352.56				\$ 10,285.44
Subtotal Burdened Labor @		2.30										\$ 23,656.51

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Sr. Engineer	Engineer	Sr. Ecologist	Hours	Total							
Basic Design Services												
Task - 60% Design - Florida Design Consultants, Inc.												
Environmental Report 8325-19				24								24
Permit Applications 8325-19	4	8	4									16
Permit Submittals 8325-19	2											2
Water Quality Design & Drainage Modeling 8325-19	8	16										24
Water Quality Design & Drainage Details 8325-19	8	24										32
Water Quality Design & Drainage Report 8325-19	16	24										40
												0
Subtotal Hours	38.00	72.00	28.00	-	-	-	-	-	-	-	-	138
Rate	\$ 46.15	\$ 25.96	\$ 48.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,969.06
Subtotal Direct Labor	\$ 1,753.70	\$ 1,869.12	\$ 1,346.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,708.42
Subtotal Burdened Labor @		2.96										

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Associate Principal	Director	Senior Project Specialist	Project Analyst III	Admin Specialist	Cost Analyst II	Hours	Hours	Hours	Hours	Total
Basic Design Services												
Task - 60% Design - Connico, Inc.												
Cost Estimating	1	2	2		20	1	20					0
Scheduling		2	1	36								46
												39
												0
												0
Subtotal Hours	1.00	4.00	2.00	36.00	20.00	1.00	20.00					84
Rate	\$ 106.96	\$ 84.59	\$ 78.41	\$ 44.48	\$ 42.36	\$ 32.92	\$ 30.60	\$ -	\$ -	\$ -	\$ -	\$ 3,695.51
Subtotal Direct Labor	\$ 106.96	\$ 338.34	\$ 156.82	\$ 1,601.31	\$ 847.12	\$ 32.92	\$ 612.06	\$ -	\$ -	\$ -	\$ -	\$ 10,901.77
Subtotal Burdened Labor @		2.95										

Airside F RON Parking

HCAA Project Numbers 8.325.19

5/28/2019

Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Basic Design Services - Kimley-Horn and Associates										
3.1 Drawing Preparation										
Cover										0
Project Drawing List						2				2
Summary of Quantities			2			2				4
General Notes			2			4				6
Abbreviations/Legend		1			2					5
Contract Layout Plan		4	10			2				24
Project Safety Notes		1				4				5
Project Security Notes			2			4				6
Project Safety/MOT Details			2		4					6
Airspace Surface Protection Plan		4	40		4		10			16
Phasing Plans (7)			20		20					104
Maintenance of Traffic Plans (7)			2		2					10
Boring Log and Pymt. Cores (2)			2			8				10
Existing Conditions/Survey (3)			2			8				10
Horizontal and Vertical Control Plan			2			1				1
Erosion & Sed. Control Plan (3)			2		8					25
Erosion & Sed. Control Details (2)			1			2				3
Existing Utility Plan (2)					4					6
Site Demolition Plans (2)		8			10					28
Site Demolition Details (2)		2			20					32
Geometry and Paving Plans			5		10					26
Paving Jointing Plans (6)		2	4		10					21
PCC Jointing Details (2)		1	2		5					13
Paving Elevation Plans (6)			4		40					84
Typical Pavement Sections (3)		1	5		10					31
Grading and Drainage Plans (2)		4	4		20					58
Drainage Details (6)			2		10					27
Apron Cross Sections (3)			5		20					55
Pavement Marking Plans			2		5					22
Pavement Marking Details (2)			1		2					2
General Electrical Notes			1		2					3
Electrical Abbreviations/Legend			1		2					3
Electrical Demolition Plans (2)			2		8					10
Electrical Lighting Plan (2)			8		32					40
Electrical Signage Plan (2)			8		32					40
Light Fixtures Installation Details			1		2					3
Conduit and Ductbank Details			1		2					3
Guidance Sign Details			1		2					3
Hand Hole Grounding Details			1		1					2
Circuit Schematics			2		40					42
3.2 Technical Specifications		20	12		10				5	47
3.3 Apron Lighting and Signage		4	30		10					28
3.4 Drainage Engineering		4	40		20					64
3.5 Utility Engineering			40		80					120
3.6 Modification to ATCT, ALCMS and Vault			4		8					12
3.7 Obstruction Evaluation, 7460-1			5		10					40
3.8 Construction Safety and Phasing Plan (CSPP)		5	20		20				5	52
3.9 Draft Engineer's Report		120	5		10					25
3.10 Project Quantities and Engineer's Estimate			8		15					122
3.11 Project Management		5	8		9					47
2.12 Quality Control	10									8
3.10 Sustainability Initiative										8
3.14 Draft Front End Documents		16							4	20
3.15 Deliverable					8			4		24
3.16 Review Meetings		11	15	3						29
										0
Subtotal Hours	10,000	227,000	295,000	58,000	433,000	465,000	10,000	4,000	25,000	1525
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	
Subtotal Direct Labor	\$ 858,200	\$ 16,589,160	\$ 16,042,100	\$ 4,378,420	\$ 18,636,320	\$ 15,800,700	\$ 724,400	\$ 170,520	\$ 543,950	\$ 73,743,770
Subtotal Burdened Labor @		3.05								\$ 224,918,500

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 90% Design												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	St. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Hours	Hours	Hours	Total
Basic Design Services												
Task 3 - 90% Design - Volt Air Consulting Engineers, Inc.												
3.1 Design Meetings	2	4	4	2								12
3.2 Power Distribution Plans		4	16	16	15	12						63
3.3 Lighting and Photometrics		6	22	19	15	12						74
3.4 QA/QC	2	4	6	8								20
3.5 HCAA Review Meetings		6	8									14
3.6 Specifications		4	6							12		22
2.7 Estimating Assistance		2	2									4
												0
												209
Subtotal Hours	4.00	30.00	64.00	45.00	30.00	24.00	-	12.00				
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38				
Subtotal Direct Labor	\$ 342.88	\$ 2,079.90	\$ 3,724.16	\$ 1,825.20	\$ 1,319.70	\$ 973.20	\$ -	\$ 352.56				\$ 10,617.60
Subtotal Burdened Labor @		2.30										\$ 24,420.48

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 90% Design												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Associate Principal	Director	Senior Project Specialist	Project Analyst III	Admin Specialist	Cost Analyst II	Hours	Hours	Hours	Hours	Total
Basic Design Services												
Task 3 - 90% Design - Connico, Inc.												
Cost Estimating	1	2	2		24	1	16					0
												46
												0
												46
Subtotal Hours	1.00	2.00	1.50	-	24.00	1.00	16.00					
Rate	\$ 106.96	\$ 84.59	\$ 78.41	\$ 44.48	\$ 42.36	\$ 32.92	\$ 30.60					
Subtotal Direct Labor	\$ 106.96	\$ 169.17	\$ 117.61	\$ -	\$ 1,016.54	\$ 32.92	\$ 489.65					\$ 1,932.84
Subtotal Burdened Labor @		2.95										\$ 5,701.88

Airside F RON Parking

HCAA Project Numbers: 8325.19

5/28/2019

Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Basic Design Services										
Task 4 - 100% Design - Kimley-Horn and Associates										
4.1 Drawing Preparation										0
Cover						2				2
Project Drawing List			2			2				4
Summary of Quantities			2			4				6
General Notes		1			2					5
Abbreviations/Legend					2					2
Contract Layout Plan		4	4			8				16
Project Safety Notes		1				4				5
Project Security Notes			2			4				6
Project Safety/MOT Details			2		4					6
Airspace Surface Protection Plan					4		4			8
Phasing Plans (7)		4	20		20					44
Maintenance of Traffic Plans (7)			15		15	10				40
Boring Log and Pymt. Cores (2)			1		4					5
Existing Conditions/Survey (3)			1		4					5
Horizontal and Vertical Control Plan					1					1
Erosion & Sed. Control Plan (3)					4	10				14
Erosion & Sed. Control Details (2)			10			2				12
Existing Utility Plan (2)					4	2				6
Site Demolition Plans (2)		4			4	10				24
Site Demolition Details (2)		2			4	4				10
Geometry and Paving Plans		1	4		4	4				13
Paving Jointing Plans (6)		2	4		4	4				14
PCC Jointing Details (2)			1		2	4				7
Paving Elevation Plans (6)			4		5	5				14
Typical Pavement Sections (3)			4		4	4				12
Grading and Drainage Plans (2)		4	4		10	10				28
Drainage Details (6)			2		5	10				17
Apron Cross Sections (3)			5		15	15				35
Pavement Marking Plans					4	4				8
Pavement Marking Details (2)					2	2				4
General Electrical Notes			1		2					3
Electrical Abbreviations/Legend			1		2					3
Electrical Demolition Plans (2)			4		8					12
Electrical Lighting Plan (2)			8		16					24
Electrical Signage Plan (2)			8		16					24
Light Fixtures Installation Details			1		2					3
Conduit and Ductbank Details			1		2					3
Guidance Sign Details			1		2					3
Hand Hole/Grounding Details			1		2					3
Circuit Schematics			2		10					12
Technical Specifications		20	12		10			5		47
4.3 Apron Lighting and Signage		1	10		15					26
4.4 Drainage Engineering		1	10		15					26
4.5 Utility Engineering		1	10		15					26
4.6 Front End Documents		25						5		30
4.7 Project Quantities and Engineer's Estimate			9		14	10				33
4.8 Final Engineer's Report		5	20	2	20				5	52
4.9 Project Management		40		2						42
4.10 Quality Control	10	5	8	9		15			4	47
4.11 Deliverable					8	8				20
4.12 Review Meetings		5	7							12
										0
Subtotal Hours	10,00	126,00	191,00	13,00	279,00	170,00	4,00	-	19,00	812
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	
Subtotal Direct Labor	\$ 858.20	\$ 9,208.08	\$ 10,386.58	\$ 981.37	\$ 12,008.16	\$ 5,776.60	\$ 289.76	\$ -	\$ 449.35	\$ 39,958.10
Subtotal Burdened Labor @		3.05								\$ 121,872.21

Project Fee Proposal - Kimley-Horn and Associates, Inc. - Bidding												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total		
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours			
Basic Design Services												
Task 5 - Bidding - Kimley-Horn and Associates												
5.1 Pre-Bid Meeting		5	5							10		
5.2 Preparation of Addenda		5	32		48	30				115		
5.3 Recommendation of Contract Award		5	10		8	30				45		
5.4 Confirmed Documents		5	2		10	10			5	25		
5.5 Deliverable										0		
Subtotal Hours		20.00	49.00		66.00	70.00			5.00	210		
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	\$ 9,463.71		
Subtotal Direct Labor	\$ -	\$ 1,461.60	\$ 2,664.62	\$ -	\$ 2,840.64	\$ 2,378.60	\$ -	\$ -	\$ 118.25	\$ 28,864.32		
Subtotal Burdened Labor @		3.05										

Project Fee Proposal - Kimley-Horn and Associates, Inc. - Bidding												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Total			
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours				
Basic Design Services												
Task 5 - Bidding - Volt Air Consulting Engineers, Inc.												
5.1 Answer Pre Bid RFI's		4	4	4						12		
5.2 Prepare Addendums		2	6	4						12		
5.3 Review Bid Documents		2	2							6		
Subtotal Hours	2.00	8.00	12.00	8.00						30		
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38	\$ -	\$ 1,748.84		
Subtotal Direct Labor	\$ 171.44	\$ 554.64	\$ 698.28	\$ 324.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,022.33		
Subtotal Burdened Labor @		2.30										

Airside F RON Parking

HCAA Project Numbers 8325 19
5/28/2019

Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Basic Design Services										
Task 6 - Construction Administration - Kimley-Horn and Associates										
6.1 General Administration of Construction Contract		300	100						72	472
6.2 Construction Management Plan (CMP)		5			20					25
6.3 Visits to Site and Observation of Construction		135	210							345
6.4 Clarifications and Interpretations		150	250			220				620
6.5 Change order and Field Orders		50	100			100				250
6.6 Shop Drawings and Samples			40						10	50
6.7 Substantial Completion		5	5						2	12
6.8 Final Notice of Acceptability of the Work		5	5						2	12
6.9 Post Construction Phase		80	30			60			20	190
6.10 Deliverables			8			4				12
										0
Subtotal Hours		730.00	748.00		20.00	384.00			106.00	1988
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	
Subtotal Direct Labor	\$ -	\$ 53,348.40	\$ 40,676.24	\$ -	\$ 860.80	\$ 13,048.32	\$ -	\$ -	\$ 2,506.90	\$ 110,440.66
Subtotal Burdened Labor @2		3.05								\$ 336,844.01

Airside F RON Parking

HCAA Project Numbers 8325 19
5/28/2019

Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Basic Design Services									
Task 6 - Construction Administration - Volt Air Consulting Engineers, Inc.									
6.1 RFI Review And Response		8	12	12	2	2			36
6.2 Submittal Review		6	12	12	6				36
6.3 Owner Submittal Review Meetings		2	6						8
6.4 Bi Weekly DAC Meetings		2	16	12					36
6.5 Bi Weekly Weekly Site Construction Obs			4	22	18				44
									0
Subtotal Hours	2.00	26.00	68.00	54.00	8.00	2.00			160
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38	\$ -
Subtotal Direct Labor	\$ 171.44	\$ 1,802.58	\$ 3,956.92	\$ 2,190.24	\$ 351.92	\$ 81.10	\$ -	\$ -	\$ 8,554.20
Subtotal Burdened Labor @2		2.30							\$ 19,674.66

Project Fee Proposal - Kimley-Horn and Associates, Inc. - Construction Administration												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Sr. Engineer	Engineer	Sr. Ecologist	Hours	Total							
Basic Design Services												0
Task 6 - Construction Administration - Florida Design Consultants, Inc.												24
Construction Admin Services 8325-19	8	8	8									0
												24
Subtotal Hours	8.00	8.00	8.00									
Rate	\$ 46.15	\$ 25.96	\$ 48.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 961.52
Subtotal Direct Labor	\$ 369.20	\$ 207.68	\$ 384.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,846.10
Subtotal Burdened Labor @		2.96										

Project Fee Proposal - Kimley-Horn and Associates, Inc. - Construction Administration												
Airside F RON Parking												
HCAA Project Numbers 8325 19												
5/28/2019												
Scope/Task	Sr Project Engineer	Senior Scientist	CEI Sr Inspector	Hours	Total							
Basic Design Services												0
Task - Construction Administration - Tierra, Inc.												341
Construction Quality Assurance and Laboratory Testing	12	35	294									0
												0
Subtotal Hours	12.00	35.00	294.00									341
Rate	\$48.08	\$50.96	\$23.00									\$ 9,122.56
Subtotal Direct Labor	\$ 576.96	\$ 1,783.60	\$ 6,762.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,276.45
Subtotal Burdened Labor @		2.99										

Task 1 - 30% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	2 Nights	\$150.00	300
Per Diem	2 Days	\$38.00	76
Air Fair	1 Round Trip	\$700.00	\$700.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$1,274.00

Task 2 - 60% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	0 Nights	\$150.00	0
Per Diem	0 Days	\$38.00	0
Air Fair	0 Round Trip	\$700.00	\$0.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$198.00

Task 3 - 90% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	0 Nights	\$150.00	0
Per Diem	0 Days	\$38.00	0
Air Fair	0 Round Trip	\$700.00	\$0.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$198.00

Task 4 - 100% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	0 Nights	\$150.00	0
Per Diem	0 Days	\$38.00	0
Air Fair	0 Round Trip	\$700.00	\$0.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$198.00

Task 5 - Bidding - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	Nights		
Per Diem	Days		
Air Fair	Round Trip		
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	2040 Sheet	\$0.20	408
Bond Prints	SF		
Parking Home Airport	2 Days	\$18.00	36
TOTAL			\$444.00

Printing 3 Project Specs and Project Manual (600 pgs) =1800
 3 11x17 plans (80 pages) =240

Task 6 - Construction Administration - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	Nights		
Per Diem	Days		
Air Fair	Round Trip		
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	50 Days	\$18.00	900
TOTAL			\$900.00

Task 1 - 30% Design - TIERRA, Inc

Geotechnical Field Investigation				
Work Elements				
Perform 15 land Based SPT borings to a depth of 10 feet = 150 LF				
Perform 2 difficult access SPT borings to a depth of 10 feet = 20 LF				
Perform sediment and muck delineation in swale area, 2 CBRs, 2 Double Ring Infiltration Tests				
Item Description	Unit	Unit Price	Qty	Total
415-Geo Double Ring Infiltration (ASTM D3385)	Each	\$ 525.00	2	\$ 1,050.00
418-Geo Drill Crew Support Vehicle	Day	\$ 160.00	3	\$ 480.00
420-Geo Drilling Crew 3-Person	Hour	\$ 185.00	8	\$ 1,480.00
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 350.00		\$ -
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 8.50	20	\$ 170.00
Geo Grout Boreholes- Truck 150-200 Ft	LF	\$ 14.00		\$ -
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 6.25	120	\$ 750.00
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 21.50	20	\$ 430.00
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 15.20	120	\$ 1,824.00
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 7,500.00		\$ -
610-Geo Mobilization Drill Rig Truck Mount	Each	\$ 3,250.00	1	\$ 3,250.00
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 200.00		\$ -
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 350.00		\$ -
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 700.00	1	\$ 700.00
Muck Probing Unsuitable Soils 2-Man Crew	Day	\$ 1,080.00	1	\$ 1,080.00
Site Clearing to Access Boring or Test Locations	Hour	\$ 210.00	4	\$ 840.00
Geotechnical Soil Laboratory Testing				
805-Soils Corrosion Series (FM 5-550 through 5-553)	Test	\$ 175.00	2	\$ 350.00
810-Soils California Bearing Ratio (CBR)(FM 5-515)	Test	\$ 340.00	2	\$ 680.00
812-Soils Materials Finer than 200 Sieve (FM 1-T011)	Test	\$ 42.00	8	\$ 336.00
817-Soils Moisture Content Laboratory (AASHTO T 265)	Test	\$ 10.00	8	\$ 80.00
819-Soils Organic Content Ignition (FM 1 T-267)	Test	\$ 42.00	8	\$ 336.00
822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer)	Test	\$ 67.00	6	\$ 402.00
Atterberg Limit Tests (AASHTO T-89 and T-90) Combined	Test	\$ 130.00	8	\$ 1,040.00
854-Handheld GPS	Per Day	\$ 80.34	3	\$ 241.02
Asphalt and Concrete Pavement Coring				
305-Concrete Pavement Coring - 4" Dia	Each	\$ 110.00		\$ -
306-Concrete Pavement Coring - 6" Dia	Each	\$ 110.00		\$ -
606-Mobilization Concrete Coring	Each	\$ 250.00		\$ -
Total Estimated Fee				\$ 15,519.02

FEE ESTIMATE FOR QUALITY ASSURANCE TESTING							
P-152 Excavation and Embankment -							
Description				Estimated	Unit Rate	Unit	Sub-Total
Laboratory Tests							
	Modified Proctor Tests		10	\$ 115.00	per test		\$ 1,150.00
	Soil Classification		10	\$ 200.00	per test		\$ 2,000.00
	(Sieve Analysis, Atterberg Limits, Organic Content)						
				Total P-152			\$ 3,150.00
P-160 Stabilized Subgrade							
Laboratory Testing							
	LBR		5	\$ 340.00	each		\$ 1,700.00
	Soil Classification		5	\$ 200.00	per test		\$ 1,000.00
	(Sieve Analysis, Atterberg Limits, Organic Content)						
				Total P-160:			\$ 2,700.00
P-219 Crushed Concrete Base							
Laboratory Testing							
	LBR		1	\$ 340.00	each		\$ 340.00
	Aggregate Sieve Analysis		1	\$ 80.00	per test		\$ 80.00
	LA Abrasion		1	\$ 300.00	per test		\$ 300.00
	Liquid/Plastic Limits		1	\$ 85.00	per test		\$ 85.00
	Flat & Elongated Particles		1	\$ 100.00	per test		\$ 100.00
				Total P-211:			\$ 905.00
P-501 PCC Concrete - 7600 CY							
Laboratory Testing							
	Flexural Strength Test Beams		120	\$ 25.00	each		\$ 3,000.00
				Total P-501:			\$ 3,000.00
				Total Estimated Expense			\$ 9,755.00

NORTH RON PARKING APRON

8330 20

North RON Parking Apron

HCAA Project Numbers 8330 20

5/28/2019

Basic Design Services Engineering & Preconstruction Services	30% Schematic	60% Design Dev.	90% Const. Docs.	100% Final Docs.	Bidding Services	Construction Administration	Total	W/MBE % of Fee	% W/MBE Goal	% Construction Cost
Kimley-Horn and Associates	\$ 352,666.83	\$ 181,817.91	\$ 269,236.89	\$ 119,635.73	\$ 28,864.32	\$ 336,844.01	\$ 1,289,065.69			19,469,824
Volt Air Consulting Engineers, Inc.	\$ 26,624.43	\$ 25,846.66	\$ 27,774.62	\$ 9,272.29	\$ 4,022.33	\$ 19,674.66	\$ 113,214.99	6.8%		
Florida Design Consultants, Inc.	\$ 12,465.80	\$ 15,835.41	\$ -	\$ -	\$ -	\$ 2,276.83	\$ 30,578.04			
Connico, Inc.	\$ 4,817.94	\$ 10,901.77	\$ 5,817.54	\$ 4,707.10	\$ -	\$ -	\$ 26,244.34	1.6%		
Tierra, Inc.	\$ 13,932.95	\$ -	\$ -	\$ -	\$ -	\$ 60,153.54	\$ 74,086.49	4.5%		8.49%
Hyatt Surveying Services, Inc.	\$ 53,395.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,395.32	3.2%		
ECHO UES, Inc.	\$ 12,508.24	\$ 7,781.12	\$ -	\$ -	\$ -	\$ -	\$ 20,289.36	1.2%		
Design Phase Sub Total	\$ 476,411.52	\$ 242,182.87	\$ 302,829.04	\$ 133,615.12	\$ 32,886.65	\$ 418,949.04	\$ 1,606,874.24			
Reimbursable Expenses										
Kimley-Horn and Associates	\$ 1,274.00	\$ 198.00	\$ 198.00	\$ 198.00	\$ 468.00	\$ 900.00	\$ 3,236.00			
Volt Air Consulting Engineers, Inc.										
Florida Design Consultants, Inc.										
Connico, Inc.										
Tierra, Inc.										
Hyatt Surveying Services, Inc.	\$ 22,898.70					\$ 19,770.00	\$ 42,668.70	2.6%		
ECHO UES, Inc.										
Sub Total	\$ 24,172.70	\$ 198.00	\$ 198.00	\$ 198.00	\$ 468.00	\$ 20,670.00	\$ 45,904.70			
Total Fee, Allowances, Reimbursable Expenses	\$ 500,584.22	\$ 242,380.87	\$ 303,027.04	\$ 133,813.12	\$ 33,354.65	\$ 439,619.04	\$ 1,652,778.94			



**TAMPA INTERNATIONAL AIRPORT
NORTH REMAIN OVERNIGHT (RON) PARKING APRON
HCAA NO. 8330 20**

Design, Bidding and Construction Administration Services

Project Description

Project No. 8330 20, North RON Parking Apron, is to be located adjacent to the future Taxiway A as depicted in the Figure 1 below. It is the Hillsborough County Aviation Authority's (the Authority) request that the RON facility will be able to accommodate twelve, ADG III, commercial aircraft. The RON will be provided with high mast lighting; accommodate the relocation of the existing services road and include the design for a Ground Service Equipment (GSE) storage area.

The HCAA has requested Kimley-Horn (KH) to prepare bid documents for the North RON Parking Apron. The Scope of Work will include civil engineering, electrical engineering, roadway design, topographic surveys; subsurface geotechnical investigations; environmental evaluations, design and development of construction contract document, bid phase services and construction administration services.

Throughout the design, the Kimley-Horn team shall adhere to the Authority's most current version of their Design Criteria Manuals and the most current FAA Advisory Circulars as applicable.

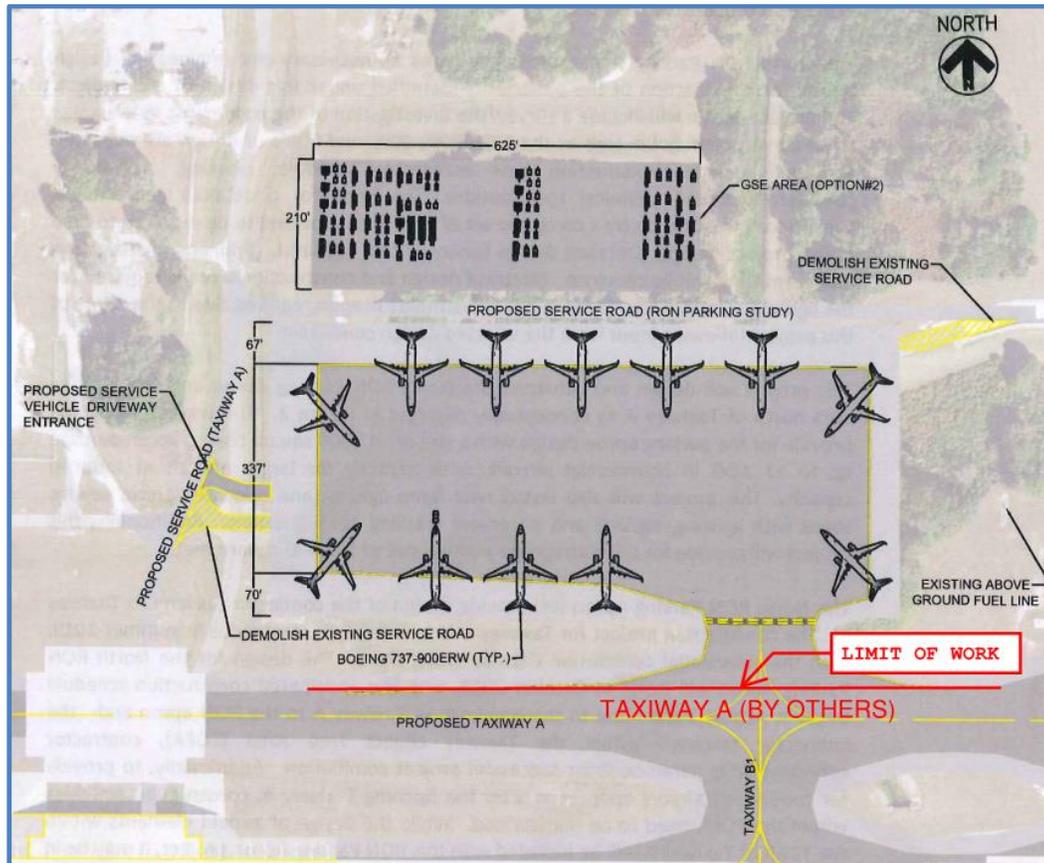


Figure 1

Team

The professional services will include general items of work with the following breakdown of services between design team members.

Kimley-Horn and Associates:

- Lead design consultant and coordinating all efforts of the team
- Airfield civil engineering
- Airfield electrical engineering
- Airfield planning
- Arborist
- Threatened and Endangered Species Assessment
- Preparation of contract drawings, specifications and engineer's report
- Bidding services
- Construction Administration services

Volt Air Consulting Engineers, Inc.

- Electrical design for high mast lighting of the apron
- Road and GSE apron lighting
- Preparation of contract drawings, specifications and support information for the Engineer's Report
- Bidding Services
- Construction Administration

Florida Design Consultants, Inc.

- Stormwater permitting
- Environmental permitting

Connico, Inc.

- Preparation of engineer's estimate of probable construction costs and construction schedules

Hyatt Survey Services, Inc.

- Field survey during design for base plan preparation

Tierra Inc.

- Geotechnical Investigation during design
- Materials testing, QA, during construction

ECHO UES, Inc.

- Subsurface Utility Exploration (SUE)

Project Schedule

The following project schedule represents the North RON Parking Apron and Airside F RON Parking:

Milestone	8325 19		8330 20	
	Airside F RON Apron		North RON Apron	
Work Order Issued For Design	Thursday, August 1, 2019		Tuesday, October 1, 2019	
30% Submittal	Wednesday, October 30, 2019		Thursday, December 19, 2019	
30% Review Meeting	Wednesday, November 6, 2019		Thursday, January 2, 2020	
60% Submittal	Thursday, December 19, 2019		Tuesday, February 18, 2020	
60% Review Meeting	Thursday, January 2, 2020		Tuesday, February 25, 2020	
90% Submittal	Tuesday, February 18, 2020		Tuesday, March 31, 2020	
90% Review Meeting	Tuesday, February 25, 2020		Tuesday, April 7, 2020	
PROJECT ON HOLD	Wednesday, February 26, 2020		to	N/A
	Wednesday, March 25, 2020			
100% Submittal	Tuesday, April 21, 2020			
100% Review Meeting	Tuesday, April 28, 2020			
Final Submittal (for ad)	Friday, May 1, 2020			
Bid Advertisement	Monday, May 4, 2020			
Bid Opening	Wednesday, June 10, 2020			
Board Award of Contract	Thursday, August 6, 2020			
Contractor NTP	Monday, August 17, 2020			
Substantial Completion	Friday, July 2, 2021			

Scope of Services

Task 1A – Schematic Design, 30%

- 1A.1 Design Kick-Off Meeting** – KH will attend one kickoff meeting with the Authority and design team. The purpose of this meeting is to introduce the participants of the project, to confirm and clarify project and design requirements, administrative procedures, restrictions and limitations, invoicing/pay procedures, security procedures, safety requirements, and to address the concerns of affected parties. KH will prepare and publish minutes to the meeting.
- 1A.2 Data Collection and Review** – KH will collect, review, compile, and summarize available data provided by the Authority. Authority is to provide relevant information such as as-builts, aerial photogrammetry, survey data, previous design plan record drawings, specifications, electrical and geotechnical investigation reports. Specifically, record documents on file with the Airport are to provide data regarding stormwater, pavements, electrical, communication and irrigation. This information will be compiled and visually

verified in the field. This data, in conjunction with the geotechnical investigation, field survey and SUE, will be used for the preparation of a base plan for the design.

1A.3 Tree Observation Site Visit and Tree Mitigation Plans - KH will perform a site visit to document existing tree conditions including diameter at breast height (DBH) measurements of existing trees with the project area. An approximate location will be provided for each tree based on aerial imagery. Final horizontal control and elevation data for each tree shall be based upon the surveyed conditions by Hyatt Survey. KH will develop a condition ranking by an ISA Certified Arborist per the Guide for Plant Appraisal, 9th Edition, as established by the Council of Tree and Landscape Appraisers (CLTA) for each tree. KH will prepare tree mitigation plans and Arborist report. This report will be provided to the Authority for comment prior to Agency review. The report will be submitted to the Client in electronic (.PDF) format and will be revised one (1) time per Client or Agency comments. Tree condition data will be incorporated into the tree mitigation plans, details, and arborist report consisting of tree observation data, ranking, and status of tree to be removed or remain in place; locations of proposed mitigation techniques limited to: tree protection fencing and root pruning limits and tree removal and mitigation calculations per the City of Tampa tree mitigation requirements to determine the total number of replacement inches required.

1A.4 Threatened and Endangered Species – As prescribed by the Authority’s Categorical Exclusion (CATEX) Section 5-2.b(3), KH will conduct a nest survey to ensure there are not active avian nests that the Migratory Bird Treaty Act (MBTA) protects within the project limits. KH will conduct a desktop review of the project for potential involvement with federal and state listed protected plant and animal species. This includes reviewing existing databases for protected species occurrences, identifying potential habitat available onsite for protected species, and conducting a field review to determine if any protected species are currently utilizing the site. A qualified avian biologist will survey the site for potential active bird nests that are protected under the MBTA. KH will coordinate their efforts with Kory McLellan of the USDA. Following both the desktop and field review, KH will provide a memorandum of findings summarizing the methodology, results, and recommendations. Any required follow-up mitigation efforts will be performed under a supplemental Work Order.

1A.5 Geometric Verification – KH will evaluate the RON concept provided by the Authority from the Project Management Plan (PMP). The verification will consider and consists of the following:

- RON Apron sized to support twelve ADG III parked aircraft with uninhibited tug-in/tug-out operations.
- Appropriate separation distances between neighboring parked aircraft
- Jet blast for access and egress simulation from the hold position line will be provided.
- Stormwater conveyance
- Connecting taxiways to support the design aircraft
- Consideration of airspace

- Consideration for cargo operations
- Preparation of two schematic options

It is expected that the verification exercise will require coordination with the Authority. Two meetings with the Authority have been budgeted for this task. KH will develop schematic exhibits for each meeting to illustrate the geometric options and be prepared to discuss the advantages, challenges and operational considerations of each option. KH will prepare and publish meeting minutes for each engagement with the Authority. The design of the North RON shall not proceed into the 60% Design Development until the definitive geometric layout has been approved and accepted by the Authority.

1A.6 Preliminary Construction Safety and Phasing Plan (CSPP) – KHA will prepare the preliminary CSPP. This document will be submitted to Authority staff for review and comment. It shall serve as the basis for the final CSPP. During this time, it is anticipated that stakeholder engagement (FAA, ATCT, Tenants, Executive Authority Staff and Air Carriers) will be needed.

1A.7 Field Activity Coordination – KH will coordinate with their subconsultants for the SUE, survey and geotechnical investigations. KH will provide one full time escort while crews are within the AOA. Field activity schedules will be coordinated with Airport Operations and stakeholders.

1A.8 Pavement Design – Using the data obtained from the geotechnical investigation and aircraft data provide by the Authority, KH will develop the pavement design for the RON and adjacent shoulders. The design for the new pavement section(s) will comply with the current methods accepted by FAA.

1A.9 Drawing Preparation - Drawings will be prepared in accordance with specific format requirements provided by the Authority. Drawings prepared as part of this phase are anticipated to include:

Cover	Erosion & Sed. Control Details (2)
Project Drawing List	Site Demolition Plans (4)
Summary of Quantities (2)	Site Demolition Details (2)
General Notes	Geometry and Paving Plan (4)
Abbreviations/Legend	Centerline Profile – Vehicle Service Road
Contract Layout Plan	Pavement Marking Plans (4)
Project Safety Notes	Pavement Marking Details (3)
Project Security Notes	General Electrical Notes
Project Safety/MOT Details	Electrical Abbreviations/Legend
Airspace Surface Protection Plan	Electrical Demolition Plans (2)
Phasing Plans (7)	Electrical Lighting Plan (4)
Maintenance of Traffic Plans (7)	Conduit and Ductbank Details
Boring Log and Pvmt. Cores (3)	Guidance Sign Details
Existing Conditions/Survey (4)	Hand Hole and Grounding Details
Erosion & Sed. Control Plan (5)	

- 1A.10 Apron Edge Lighting and Signage** – During this design phase, KH will prepare a schematic layout of the apron edge lighting and signage. This information will be represented in the 30% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, this layout will be refined and coordinated with Airport Operations and Maintenance staff.
- 1A.11 Drainage Engineering** – During this design phase, KH will prepare a schematic layout of the apron drainage system. This includes apron inlets, pipe network, box culvert, open channels, etc. This information will be represented in the 30% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, the layout will be refined and coordinated with Airport Staff.
- 1A.12 Utility Engineering** – During this design phase, KH will evaluate needed modifications/relocations of existing utilities discovered as a result of the due diligence and SUE investigation within the project site. This would include any FAA cables, airfield circuitry for signage/lighting, TECO duct banks, communications, hydrant fueling, roadway circuitry, etc. This information will be represented in the 30% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, the design new and modification of existing utilities will be refined and coordinated with Airport Staff and authorities having jurisdiction.
- 1A.13 Technical Specifications** – During this phase, KH will prepare outline technical specifications. Specifications will follow FAA format using unit cost where applicable.
- 1A.14 Project Quantities and Engineer's Opinion of Probable Construction Costs** – KH will determine project quantities for all items of work. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs.
- 1A.15 Project Management** – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.
- 1A.16 Quality Control** - In advance of the 30% deliverable, KH will provide the Authority the project's quality control plan. Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.
- 1A.17 Deliverable** – KH will package and deliver the following to Authority at the completion of the 30% design:
- PDF of 30% design plans (11x17)
 - PDF of the outline technical specs
 - PDF of the Engineer's Opinion of Probable Costs
 - PDF of the updated project design and construction schedule
 - PDF of all meeting minutes
 - PDF of preliminary CSPP

- PDF of all QA/QC documentation

1A.18 Review Meetings – Conduct meetings at the Authority’s office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Shortly after the submission of the 30% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 2A – Design Development, 60%

The information obtained during the 30% phase will be reviewed and refined during the Design Development Phase - 60%. This phase will encompass the professional services required to furnish the Authority with a set of 60% documents, including technical specifications, 60% drawings, Construction Safety and Phasing Plan and cost estimates to reflect any adjustments to the project since the previous phase. These documents will be developed and prepared in accordance with FAA standards and will provide sufficient detail for the review of proposed design by the Authority and all other appropriate parties.

2A.1 Drawing Preparation – Drawing prepared under the 30% phase will be refined and expanded to the 60% level. Drawings prepared as part of this phase are anticipated to include:

Cover	Erosion & Sed. Control Details (2)
Project Drawing List	Site Demolition Plans (4)
Summary of Quantities (2)	Site Demolition Details (2)
General Notes	Geometry and Paving Plan (4)
Abbreviations/Legend	Centerline Profile – Vehicle Service Road
Contract Layout Plan	Pavement Marking Plans (4)
Project Safety Notes	Pavement Marking Details (3)
Project Security Notes	General Electrical Notes
Project Safety/MOT Details	Electrical Abbreviations/Legend
Airspace Surface Protection Plan	Electrical Demolition Plans (2)
Phasing Plans (7)	Electrical Lighting Plan (4)
Maintenance of Traffic Plans (7)	Conduit and Ductbank Details
Boring Log and Pvmt. Cores (3)	Guidance Sign Details
Existing Conditions/Survey (4)	Hand Hole and Grounding Details
Erosion & Sed. Control Plan (5)	

2A.2 Apron Edge Lighting and Signage – During this design phase, KH will advance the schematic layout prepared in the previous phase to the 60% design level. This information will be represented in the 60% Engineer’s Estimate of Probable Costs. Over the course of the remaining design phases, this layout will be refined and coordinated with Airport Operations and Maintenance staff.

- 2A.3 Drainage Engineering** – During this design phase, KH will further advance the stormwater design. This would include any observations provided by the Authority and information obtained from the SWFWMD pre-application meeting. Design will begin on needed aircraft rated stormwater inlets, culverts and box culvert. This information will be represented in the 60% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, the layout will be refined and coordinated with Airport Staff.
- 2A.4 Utility Engineering** – During this design phase, KH will continue with to evaluate needed modifications/relocations of existing utilities and needed new utilities. This will include any FAA cables, airfield circuitry for signage/lighting, TECO duct banks, communications, etc. This information will be represented in the 60% Engineer's Estimate of Probable Costs. Over the course of the remaining design phases, the design new and modification of existing utilities will be refined and coordinated with Airport Staff and authorities having jurisdiction.
- 2A.5 Technical Specifications** – During this phase, KH will prepare 60% technical specifications. Specifications will follow FAA format using unit cost where applicable. All technical specifications shall conform to the latest FAA Advisory Circular. Changes to the specifications that do not warrant a FAA Modification of Standards (MOS) will be identified by strike-through and bold-italic text.
- 2A.6 Project Quantities and Engineer's Opinion of Probable Construction Costs** – KH will determine project quantities for all items of work. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs.
- 2A.7 Project Management** – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.
- 2A.8 Quality Control** - Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.
- 2A.9 Deliverable** – KH will package and deliver the following to the Authority at the completion of the 60% design:
- PDF of 60% design plans (11x17)
 - PDF of the technical specs
 - PDF of the Engineer's Opinion of Probable Costs
 - PDF of the updated project design and construction schedule
 - PDF of all meeting minutes
 - PDF of comment documentation list from 30% Review
 - PDF of all QA/QC documentation

2A.10 Review Meetings – Conduct meetings at the Authority’s office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Specific items to coordination with the Authority and affected stakeholders are project phasing and sequencing, haul route and staging area, maintenance of aircraft operations and construction durations. Shortly after the submission of the 60% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 3A – Construction Documents, 90%

The information prepared during the 60% phase will be reviewed and refined during the Construction Documents Phase - 90%. This phase will encompass the professional services required to furnish the Authority with a set of 90% documents, including technical specifications, 90% drawings, Construction Safety and Phasing Plan, engineer’s report, draft project manual and cost estimates to reflect any adjustments to the project since the previous phase. These documents will be developed and prepared in accordance with FAA standards and will provide sufficient detail for the review of proposed design by the Authority and all other appropriate parties.

3A.1 Drawing Preparation – Drawing prepared under the 60% phase will be refined and expanded to the 90% level. Drawings prepared as part of this phase are anticipated to include:

Cover	Paving Elevation Plans (12)
Project Drawing List	Grading and Drainage Plans (4)
Summary of Quantities (2)	Drainage Details (6)
General Notes	Cross Sections - North RON Parking Apron (5)
Abbreviations/Legend	Cross Sections - GSE Apron (3)
Contract Layout Plan	Cross Sections - Vehicle Service Road (2)
Project Safety Notes	Centerline Profile – Vehicle Service Road
Project Security Notes	Pavement Marking Plans (4)
Project Safety/MOT Details	Pavement Marking Details (3)
Airspace Surface Protection Plan	General Electrical Notes
Phasing Plans (7)	Electrical Abbreviations/Legend
Maintenance of Traffic Plans (7)	Electrical Demolition Plans (2)
Boring Log and Pvmt. Cores (3)	Electrical Lighting Plan (4)
Existing Conditions/Survey (4)	Airfield Signage Plan (2)
Erosion & Sed. Control Plan (5)	Light Fixtures Installation Details
Erosion & Sed. Control Details (2)	Conduit and Ductbank Details
Site Demolition Plans (4)	Guidance Sign Details
Site Demolition Details (2)	Hand Hole and Grounding Details
Paving Jointing Plans (12)	Circuit Schematics
PCC Jointing Details (2)	
Geometry and Paving Plan (4)	

- 3A.2 Technical Specifications** – At this time, KH will prepare 90% technical specifications. Specifications will follow FAA format using unit cost where applicable. All technical specifications shall conform to the latest FAA Advisory Circular. Changes to the specifications that do not warrant a FAA Modification of Standards (MOS) will be identified by strike-through and bold-italic text.
- 3A.3 Apron Edge Lighting and Signage** – During this design phase, KH will advance the layout prepared in the previous phase to the 90% design level. This information will be represented in the 90% Engineer's Estimate of Probable Costs. Lighting and signage schedules will be prepared. Construction detail and circuitry will be defined. The airfield lighting and signage will be designed to comply with the most current FAA criteria. Over the course of the remaining design phase, this layout will be finalized and coordinated with Airport Operations and Maintenance staff.
- 3A.4 Drainage Engineering** – During this design phase, KH will advance the stormwater design to the 90% level. Structural calculation in support of collection/conveyance system will be prepared. Details of the needed aircraft rated stormwater inlets, culverts and box culverts will be developed. This information will be represented in the 90% Engineer's Estimate of Probable Costs. Over the course of the remaining design phase, the details will be refined and coordinated with Airport Staff.
- 3A.5 Utility Engineering** – During this design phase, KH will advance and provide further detail of the modifications/relocations of existing utilities needed new utilities. This would include any FAA cables, airfield circuitry for signage/lighting, TECO duct banks, communications, hydrant fueling, etc. This information will be represented in the 90% Engineer's Estimate of Probable Costs. Over the course of the remaining design phase, the details will be refined and coordinated with Airport Staff and authorities having jurisdiction.
- 3A.6 Modifications to Air Traffic Control Tower (ATCT), Airfield Lighting Control Monitoring System (ALCMS) and Vault** – KH will evaluate and prepare modifications to the Authority's ALCMS as a result of RON apron's lighting system as needed. KH will check all loads on the existing regulators, evaluate potential regulator upgrades, power distribution system upgrade in the vault(s) and ALCMS modifications.
- 3A.7 Obstruction Evaluation, 7460-1** – In accordance with Title 14 of the Code of Federal Regulations (14 CFR), Part 77, KH will compile the necessary data and submit to FAA for the Obstruction Evaluation/Airport Airspace Analysis (OE/AAA). This effort is warranted due to the high mast lighting for the RON, Service Road and GSE Apron. Any comments from OE/AAA regarding obstruction marking and lighting for the high mast poles will be incorporated -into the design and will comply with Advisory Circular 70/7460-1L, Change 2. KH shall coordinate the OE/AAA filing with Authority Staff.
- 3A.8 Construction Safety and Phasing Plan (CSPP)** – KH will prepare the final CSPP. KH will coordinate the project construction phasing and sequencing plan with the Authority and affected stakeholders. This document will supplement the technical specifications

and serve as a guide for the selected Contractor when preparing the Safety Plan Compliance Document (SPCD). KH will submit the final CSPP to the Authority.

- 3A.9 Draft Engineer's Report** - As part of this phase, a draft Engineer's Report will be submitted to the Authority. The report will discuss the work product in greater detail. The document will include technical calculations and a discussion of the rationale for the selection of various design elements such as utility investigations, permitting, pavement design, drainage, construction sequencing, etc. This report will include pertinent documents in support of direction already provided and decisions already made by the Authority, our team, and/or pertinent authorities.
- 3A.10 Project Quantities and Engineer's Opinion of Probable Construction Costs** – KH will determine project quantities for all items of work. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs.
- 3A.11 Project Management** – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.
- 3A.12 Quality Control** - Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.
- 3A.13 Sustainability Initiative** – KH will work with Authority Staff in identifying areas within the construction and operation of RON Apron that will be consistent with the Authority's Sustainability Management Plan. KH will follow the Authority's Sustainable Design Criteria Manual Check List in determining areas compatible with the Build Green and Buy Green baseline.
- 3A.14 Draft Front End Documents** – KH will proactively begin to assemble the front end documents. This includes preparing descriptive paragraphs of the project and work, construction sequencing narrative, bid schedule, drawing list, spec list, etc. This effort also includes an evaluation of the 90% Engineer's Estimate of Probable Construction Cost for determining potential DBE trades that may contribute to the Contractor's DBE goal.
- 3A.15 Deliverable** – KH will package and deliver the following to the Authority at the completion of the 90% design:
- PDF of 90% design plans (11x17)
 - PDF of the technical specs
 - PDF of the Engineer's Opinion of Probable Costs
 - PDF of the updated project design and construction schedule
 - PDF of all meeting minutes
 - PDF of comment documentation list from 60% review

- PDF of draft Front End Documents
- PDF of draft DBE breakout estimate
- PDF of draft Engineer's Report
- PDF of all QA/QC documentation

3A.16 Review Meetings – Conduct meetings at the Authority's office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Shortly after the submission of the 90% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 4A – Construction Documents, 100%

During this phase final bid documents will be prepared. All comments received from the Authority will be addressed to complete the bid documents.

4A.1 Drawing Preparation – Further refinement of the 90% plans will continue. Drawings prepared as part of this phase are anticipated to include:

Cover	Paving Elevation Plans (12)
Project Drawing List	Grading and Drainage Plans (4)
Summary of Quantities (2)	Drainage Details (6)
General Notes	Cross Sections - North RON Parking Apron (5)
Abbreviations/Legend	Cross Sections - GSE Apron (3)
Contract Layout Plan	Cross Sections - Vehicle Service Road (2)
Project Safety Notes	Centerline Profile – Vehicle Service Road
Project Security Notes	Pavement Marking Plans (4)
Project Safety/MOT Details	Pavement Marking Details (3)
Airspace Surface Protection Plan	General Electrical Notes
Phasing Plans (7)	Electrical Abbreviations/Legend
Maintenance of Traffic Plans (7)	Electrical Demolition Plans (2)
Boring Log and Pvmt. Cores (3)	Electrical Lighting Plan (4)
Existing Conditions/Survey (4)	Airfield Signage Plan (2)
Erosion & Sed. Control Plan (5)	Light Fixtures Installation Details
Erosion & Sed. Control Details (2)	Conduit and Ductbank Details
Site Demolition Plans (4)	Guidance Sign Details
Site Demolition Details (2)	Hand Hole and Grounding Details
Paving Jointing Plans (12)	Circuit Schematics
PCC Jointing Details (2)	
Geometry and Paving Plan (4)	

4A.2 Technical Specifications – At this time, KH will prepare the final technical specifications ready for bid. Specifications will follow FAA format using unit cost where applicable. All technical specifications shall conform to the latest FAA Advisory Circular.

Changes to the specifications that do not warrant a FAA Modification of Standards (MOS) will be identified by strike-through and bold-italic text.

- 4A.3 Apron Edge Lighting and Signage** – During this design phase, KH will finalize the electrical design. This would include any adjustments to the vault and final coordinating with authorities having jurisdiction.
- 4A.4 Drainage Engineering** – During this design phase, KH will finalize the stormwater design. Structural calculations and pipe network calculations will be documented within the Engineers' Report.
- 4A.5 Utility Engineering** – During this design phase, KH will finalize the design of all affected utilities and any remaining coordination with authorities having jurisdiction.
- 4A.6 Front End Documents** – KH will prepare for the Authority the final Front End Documents. This includes preparing descriptive paragraphs of the project and work, construction sequencing narrative, bid schedule, drawing list, spec list, etc. Any change from the 90% Engineers' Opinion of Probable Costs that alter the Contractor's DBE participation will be accounted for.
- 4A.7 Project Quantities and Engineer's Opinion of Probable Construction Costs** – Bid items and project quantities will be re-evaluated in an effort to determine the final engineer's estimate. In turn, these quantities shall be used by Connico to prepare the Engineer's Opinion of Probable Construction Costs. At this phase of design there will be no contingency adjustment to the overall estimate. KH will develop the estimated contract DBE participation.
- 4A.8 Final Engineer's Report** - As part of the final bid documents phase, an engineer's report will be submitted to the Authority. The report will be a continuation of the effort started within the 90% phase. The document will include a discussion of the rationale for selection of various design elements such as building layout, utility investigation, permitting, pavement design, drainage, construction sequencing, etc. This report will include pertinent documents in support of direction already provided and decisions already made by the Authority, our Team, and/or pertinent authorities.
- 4A.9 Project Management** – KH shall manage the project design and coordinate with all subconsultants during design. KH internal administration for staffing, coordination, production coordination, update of design and construction schedule, scope and budget adherence is part of this task.
- 4A.10 Quality Control** - Prior to each submission, KH will perform an internal technical review of all deliverables including work performed by subconsultants. This review will include appropriate checklists and written comments with responses for each.

4A.11 Deliverable – KH will package and deliver the following to the Authority at the completion of the 100% design:

- PDF of 100% design plans (11x17)
- PDF of the technical specs
- PDF of the Engineer's Opinion of Probable Costs
- PDF of the updated project design and construction schedule
- PDF of all meeting minutes
- PDF of comment documentation list from 90% review
- PDF of Front End Documents
- PDF of DBE breakout estimate
- PDF of Engineer's Report
- PDF of all QA/QC documentation
- PDF of design deliverables check list
- PDF of design deliverables check list
- Deliverables will be provided to the Authority electronically

4A.12 Review Meetings – Conduct meetings at the Authority's office at key intervals to review the progress of the design for necessary input and discussions from the Authority. Shortly after the submission of the 100% plans and specifications, KH will attend one review meeting with the Authority. KH will be prepared to discuss the details of the deliverables and the challenges with the project moving forward. KH will prepare and distribute meeting minutes.

Task 5A – Bidding Services

5A.1 Pre Bid Meeting – KH will prepare exhibits relative to the project, attend and present at the pre bid meeting. KH will provide the Authority electronic exhibits in PowerPoint. KH will participate in a site walk. This meeting will be chaired and managed by the Authority.

5A.2 Preparation of Addenda – KH will coordinate with the team and prepare addenda material. KH will provide the Authority addenda in electronic format. The Authority will make available these documents to potential bidders and plan rooms.

5A.3 Recommendation of Contract Award – KH will attend the bid opening, prepare the bid tabulation and provide the recommendation of award. Documentation provided by each bidder will be examined for completeness and compliance with bidding instructions.

5A.4 Conformed Documents – At the conclusion of the bidding services and prior to construction, KH will prepare a complete set of conformed contract documents for distribution. These documents will reflect all modifications to the plans and specifications identified in the bid addenda.

5A.5 Deliverable – KH will package and deliver the following to the Authority as part of this task:

Bid Documents

- 3 bound hard copies of the final design plans, 11x17
- 3 bound hard copies of the project manual including front end and technical specs
- Deliverables will be provided to the Authority electronically

Conformed Documents

- 3 bound hard copies of 11x17 conformed plans
- 3 bound hard copies of the conformed project manual including front end and technical specs
- 3 hard copies of the bid tabulation
- 3 hard copies of letter recommending award
- Electronic deliverables will be provided to the containing conformed plans, bid tabulation, letter recommending award, Project Manual, CAD files, MSWord and PDF files.

Task 6A – Construction Administration Services

Following the Authority's award of the construction contract, KH will support the Authority in administering the construction contract.

Specific services to be provided include:

- 6A.1 General Administration of Construction Contract** – KH will coordinate with the Authority and act as their representative as provided in the Contract Documents; attend one pre-construction conference stated in FAA Advisor Circular 150/5370-2G and shall be prepared to discuss the CSPP; attend weekly construction progress meetings; prepare and publish minutes. General administration is inclusive of managing the team's subconsultants for field survey and materials testing (QA).
- 6A.2 Construction Management Plan (CMP)** – Prepare a CMP for approval by the FAA. Coordinate with independent testing laboratory as well as contractor's laboratory to confirm preconstruction testing procedures are in place.
- 6A.3 Visits to Site and Observation of Construction** - KH will provide periodic on-site construction observation services during the construction phase. KH will make 48 visits (excluding mobilization period) within the estimated duration of Task 6 in order to observe the progress of the work. Such visits and observations by KH are not intended to extend to every aspect of Contractor's work in progress. Observations are to be limited to spot checking, selective measurement, and similar methods of general observation of the work by the Authority on KH's exercise of professional judgment. Based on information obtained during such visits and such observations, KH will evaluate whether Contractor's work is generally proceeding in accordance with the plans

and specifications, and KH will keep the Authority informed of the general progress of the work.

The purpose of KH's site visits will be to enable KH to better carry out the duties and responsibilities specifically assigned in this agreement to KH, and to provide the Authority a greater degree of confidence that the completed work will conform in general to the plans and specs. KH shall not, during such visits or as a result of such observations of Contractor's work in progress, supervise, direct, or have control over the Contractor's work, nor shall KH have authority over or responsibility for the means, methods, techniques, equipment choice, usage, sequences, schedules, or procedures of construction selected by the Contractor, for safety precautions and programs incident to the Contractor's work, nor for any failure of the Contractor to comply with laws and regulations applicable to the Contractor's furnishing and performing the Work. Accordingly, KH neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the plans and specs.

KH will recommend to the Authority that Contractor's work be disapproved and rejected while it is in progress if, on the basis of such observations, KH believes that such work will not produce a completed project that conforms generally to plans and specs.

6A.4 Clarifications and Interpretations - KH will respond to Contractor requests for information (RFIs) and issue necessary clarifications and interpretations of the Contract Documents to the Authority as appropriate to the orderly completion of Contractor's work. Any orders authorizing variations from the Contract Documents will be made by the Authority.

KH will, if requested by the Authority, render written decision on determined design changes for claims relating to design and specifications.

Throughout the duration of the construction, KH will make up to two revisions to the CSPP. As the CSPP is revised, KH will resubmit to the FAA for approval.

6A.5 Change Orders - KH may recommend Change Orders to the Authority, and will review and make recommendations related to Change Orders submitted or proposed by the Contractor. KH will assist in preparation of Change Orders in compliance with the Authority for the project.

6A.6 Shop Drawings and Samples - KH will review or take other appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for conformance with the information given in the plans and specs. Such review and approvals or other action will not extend to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs.

KH will evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by the Contractor in accordance with the Contract Documents, but

subject to the provisions of applicable standards of state, local government entities and the Authority.

6A.7 Substantial Completion - KH will, promptly after notice from Contractor that it considers the work ready for its intended use, in company with the Authority and Contractor, conduct a site visit to determine if the work is substantially complete. Work will be considered substantially complete following satisfactory completion of all items with the exception of those identified on a final punch list. If after considering any objections of the Authority, KH considers the work substantially complete, KH will notify the Authority.

6A.8 Final Notice of Acceptability of the Work - KH will conduct a final site visit to determine if the completed work of Contractor is generally in accordance with the Contract Documents and the final punch list so that KH may recommend, in writing, final payment to the Contractor. Accompanying the recommendation for final payment, KH shall also provide a notice that the Work is generally in accordance with the Contract Documents to the best of KH's knowledge, information, and belief based on the extent of the services and based on information provided to KH.

6A.9 Post Construction Phase - KH will provide assistance and consultation to the Authority for up to one month following the Project final completion. This will include one site visit to observe any Contractor deficiencies in their work and assist the Authority in recommendations in correcting such Contractor deficiencies.

KH will assist the Authority in preparing close-out documentation. KH will prepare record drawings for submittal to the Authority within 30 days of receipt of acceptable as-built drawings from the Contractor. Record drawings will be submitted to the Authority in both electronic and hardcopy format.

6A.10 Deliverable - KH will package and deliver the following to the Authority at the complete of the construction phase:

- 3 bound hard copies of 11x17 project record plans
- 3 bound hard copies of record project manual
- Deliverables will be provided to the Authority electronically

Project Assumptions and Exclusions:

- FAA Modification to Standards (MOS) will not be necessary.
- Duration of construction, including mobilization, is assumed at 48 weeks.
- Any required follow-up/mitigation efforts as a result of the Threatened and Endangered Species evaluation will be negotiated under a supplemental Work Order.
- Additional power to the GSE Apron beyond the apron lighting.
- Safety Risk Management (SRM) assistance is excluded.
- Shadow study is excluded
- Project will be bid and administered as a single bid package.
- NEPA Categorical Exclusion work is not included.
- ALP update is excluded
- Environmental Contamination Assessment and clean-up is not included.
- Resident Project Representative (RPR) services are excluded.
- Services to consider ADG IV parking positions with uninhibited tug-in/tug-out operations using a lesser amount of ADG III positions is excluded.
- Project effort assumes that multiple KH staff will perform under the classifications of Professional Engineer and Engineer

END



Hillsborough County Aviation Authority RON Parking Electrical Scope of Work

North RON Apron

The North RON Apron electrical design will consist high mast apron lighting poles with LED floodlighting, Roadway Lighting poles for new roadway work, power distribution and control for apron lighting poles, Roadway and GSE lighting, and miscellaneous power as required.

The apron lighting design will begin with photometric studies to determine the quantity of poles and fixtures to meet lighting levels. Lighting levels will be designed in accordance FAA Advisory Circular 150/5360-13A. The illumination levels for the aircraft parking area shall be 5.0 footcandles average.

The North RON Apron electrical service will be required to be fed from a Tampa Electric Company (TECO). There will be a 480/277 volt service designed for the pole mounted lighting consisting of a service entrance rated branch circuit panelboard. The panel board will have branch circuit breakers serving the light poles. There will be a small 120/208 volt panels served through a step down transformer to feed small user loads such as controls. All of the panels will be rated NEMA 3R for outdoor installation. All other equipment for aircraft support requiring electrical connections is excluded from this project.

Volt Air Consulting Engineers will perform the following tasks associated with the North RON Parking Apron:

Task 1 – Schematic Design, 30%

- 1.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 1.2 Power Distribution Plans – VoltAir will develop preliminary power distribution plans to outline electrical service requirements to serve apron lighting only. Electrical services from Tampa Electric Company will be indicated on these plans as well.
- 1.3 Lighting Plans and Photometrics – VoltAir will prepare photometric studies to determine lighting levels, fixture quantities and high mast pole locations to achieve lighting levels for apron as described in criteria. Photometric studies to include point by point footcandle calculations will be developed to verify lighting criteria. Roadway lighting will also be developed for new roadways and GSE equipment parking.
- 1.4 QA/QC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 1.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.
- 1.6 Specifications – VoltAir will begin development of outline electrical specifications for the project.
- 1.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.

Task 2 – Design Development, 60%

- 2.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.



- 2.2 Power Distribution Plans – VoltAir will further develop power distribution plans to outline electrical service equipment to serve apron lighting only. Plans will be developed to indicate equipment and service locations as well as routing of services and feeders.
- 2.3 Lighting Plans and Photometrics – VoltAir will prepare revised photometric studies to determine lighting levels, fixture quantities and high mast pole location that incorporate any comments or revisions required from Schematic Submittal. Roadway lighting will also be developed for new roadways and GSE equipment parking. Lighting plans will be further developed to indicate branch circuiting and control strategies.
- 2.4 QA/QC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 2.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.
- 2.6 Specifications – VoltAir develop and issue electrical specifications for the project to include detailed information of all equipment utilized in the project.
- 2.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.

Task 3 – Construction Document, 90%

- 3.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 3.2 Power Distribution Plans – VoltAir will further develop power distribution plans to outline electrical service equipment to serve apron lighting only. Plans will be developed to indicate panel schedules, riser diagrams and details
- 3.3 Lighting Plans and Photometrics – Roadway lighting will be further developed for new roadways and GSE equipment parking. Lighting plans will be further developed to indicate branch circuiting and control strategies.
- 3.4 QA/QC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 3.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.
- 3.6 Specifications – VoltAir develop and issue electrical specifications for the project to include detailed information of all equipment utilized in the project.
- 3.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.

Task 4 – Construction Documents, 100%

- 4.1 Design Meetings- VoltAir will attend all scheduled design team meetings to determine critical design issues, administrative issues, and items required for project coordination.
- 4.2 Power Distribution Plans – VoltAir will further develop power distribution plans to outline electrical service equipment to serve apron lighting only. Plans will be developed to indicate panel schedules, riser diagrams and details
- 4.3 Lighting Plans and Photometrics – Roadway lighting will be further developed for new roadways and GSE equipment parking. Lighting plans will be further developed to indicate branch circuiting and control strategies.
- 4.4 QA/QC – VoltAir will perform QA/QC on all drawings, calculations and equipment selection. We will review all other disciplines plans for conflicts and/or other coordination items.
- 4.5 HCAA Review Meetings – VoltAir will attend one HCAA review meetings to discuss all comments and answer questions pertaining to the lightings and power distribution design.



- 4.6 Specifications – VoltAir develop and issue electrical specifications for the project to include detailed information of all equipment utilized in the project.
- 4.7 Estimate Assistance – VoltAir will assist estimating team by providing material quantities. We will also review the estimate for accuracy.

Task 5 – Bidding Services

- 5.1 Answer Pre Bid RFI's – VoltAir will review and respond to all pre bid request for information and return responses to the team for distribution.
- 5.2 Prepare Addendums – VoltAir will prepare all addendums required to clarify RFI responses and coordinate any changes requested during the bidding phase.
- 5.3 Review Bid Documents – VoltAir will review all pricing received in the bidding documents and issue comments if required.

Task 6 – Construction Administration Services

- 6.1 RFI Review and Response – VoltAir will review and respond to all RFI's related to electrical and lighting plans. We will prepare drawing revisions as required to document responses.
- 6.2 Submittal Review – VoltAir will review all electrical shop drawings and submittals. We will provide comments and approvals within a timely manner.
- 6.3 Owner Submittal Review Meetings - VoltAir will review all key submittals with the HCAA team as requested prior to return of the submittals to the contractors.
- 6.4 Weekly OAC Meetings – VoltAir will attend all OAC meetings to discuss project progress.
- 6.5 Weekly Site Construction and Field Reports – VoltAir will review construction progress and provide observation reports.



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May 19, 2019

Mr. Paul Piro
Kimley-Horn and Associates, Inc.
655 North Franklin Street – Ste 150
Tampa, FL 33602

**Subject: Hillsborough County Aviation Authority (HCAA) North Air RON Parking –
HCAA Proj. No. 8330 20
Scope of Services for Environmental Permitting**

Dear Mr. Piro:

We appreciate the opportunity to assist Kimley-Horn and Associates, Inc. (KHA) with their project for Hillsborough County Aviation Authority (HCAA) North RON Parking – HCAA Proj. No. 8330 20. The attached Scope of Services is responsive to KHA's directions and the project.

Please contact me with any questions or comments.

Sincerely,

Florida Design Consultants, Inc.

Colin Miller, PE
Sr. Project Manager

**ATTACHMENT “A” - SCOPE OF SERVICES
NORTH RON PARKING APRON
FDC PROPOSAL #19-040AR**

**A. ENVIRONMENTAL PERMITTING FOR THE NORTH ron PARKING – HCAA PROJECT
NO. 8330 20**

Florida Design Consultants, Inc. (FDC) will assist Kimley-Horn & Associates, Inc. (KHA) with Environmental Permitting for the North RON Parking (Project). The Project is located at the Tampa International Airport (TPA) which is managed by the Hillsborough County Aviation Authority (HCAA). The Project involves the reconfiguration of an existing permitted stormwater management systems (ponds and ditches), which appears to provide treatment and attenuation for Air Cargo Road and outfall into the Lower Sweetwater Creek.

B. ENVIRONMENTAL PERMITTING

The regulatory agencies potentially requiring permits are anticipated to be the Southwest Florida Water Management District (SWFWMD), and Hillsborough County. The actual permits will depend on the proposed configuration and may require additional coordination with other regulatory agencies (not included at this time).

C. 30% CONSTRUCTION PLANS PREPARATION

FDC will prepare general guidance for Environmental Permitting aspects of the Project for use by KHA in developing and refining the design concept. This guidance will be based on our knowledge of the Project area and potential permitting thresholds which may impact the Project.

FDC will schedule and attend Pre-Application meetings, as appropriate based on the design concept, with the SWFWMD, and Hillsborough County.

FDC will prepare documentation describing the Environmental Permitting applications (type and costs) as determined by the KHA design concept and the Pre-Application meetings.

FDC will prepare preliminary designs, calculations, and exhibits based on the KHA design concept. FDC will review current Master Drainage Model (provided by others) in electronic format. The preliminary design requirements will provide general volumes, dimensions, and types for proposed stormwater management systems.

Deliverables:

- Permit Guidance Memorandum (electronic only)
- Pre-Application Meeting Materials
- Pre-Application Meeting Minutes
- Preliminary Design Calculations Memorandum (electronic only)

D. 60% CONSTRUCTION PLANS PREPARATION

FDC will prepare specific guidance for Environmental Permitting component of the Project for use by KHA in refining the design concept.

FDC will modify Master Drainage Model based on proposed design (provided by KHA). If the results, from the modified Master Drainage Model, indicate the proposed configuration will not meet regulatory requirements, alternatives will be proposed.

FDC will prepare Drainage Report summarizing the stormwater analysis for use with Environmental Permitting. FDC will prepare Environmental Report (if necessary) summarizing the environmental components for use with the Environmental Permitting. FDC will prepare Exhibits for Drainage and Environmental Reports and any other Environmental Permitting Exhibits.

FDC will prepare Stormwater Management Systems and Environmental Details in AutoCAD Civil 3D 2018 format. These details will be for large components, for example underdrains or pond control structures, and will not include stormwater collection systems (storm sewer will be designed by others).

FDC will prepare Permit Applications for signature by the HCAA or their authorized Agent. FDC will submit permit applications to Regulatory Agencies electronically (if possible) and coordinate review responses.

FDC will prepare responses to Environmental Permit review comments. For review comments beyond the scope of environmental or drainage design we will coordinate with KHA for appropriate responses.

Deliverables:

- Drainage Report (electronic only, digitally signed/sealed)
- Environmental Report (if necessary, electronic only)
- Permit Application Forms (electronic only)
- Stormwater Management Design Details
- Permit Review Comments (from Agencies, electronic only)
- Responses to Permit Review Comments (electronic only)

E. CONSTRUCTION ADMINISTRATION

FDC will assist KHA with permit close-out for all Environmental Permits by reviewing as-built Surveys (provided by others), conducting field visits (as necessary), reviewing photographs (by others), and preparing applications. If deviations are found during close-out, FDC will assist KHA in determining potential design and permitting solutions.

Deliverables:

Review of As-Built Survey (only for stormwater or environmental components)
Permit Close-Out Applications (only for stormwater or environmental components)

F. ADDITIONAL SERVICES OR FEES

The following services are not anticipated to be provided by Florida Design Consultants:

- Additional Permit Coordination (with regulatory agencies not explicitly stated above)
- Permit Coordination with Army Corps of Engineers (ACOE) of any kind
- Permit Application Fees (fees cannot be determined until proposed activities are defined)
- Stormwater Collection System (storm sewer) to be performed by other KH team members
- Wetland Delineation
- Historical Resources Investigation and Documentation
- Geotechnical Investigation to be performed by other KH team members
- Surveying Services (of any kind) to be performed by other KH team members
- Hazardous Material Investigation and Documentation
- Public Involvement Activities
- Responses to contractor requests for additional information to be performed by other KH team members
- Review of shop drawings to be performed by other KH team members

EXHIBIT A – SCOPE OF WORK AND FEE

Project Scope

Project No. 8330 20, North Air RON Parking is located just west of Runway 19L. It is envisioned that the North RON Parking ramp will be able to accommodate 12 commercial aircraft. Project No. 8330 20 will also install new ramp lighting and relocate vehicle service roads with lighting, signage and pavement marking considerations.

Scope of Services

Connico proposes to provide an Opinion of Probable Construction Cost services as follows:

- ↓ 30% Design Estimate
- ↓ 60% Design Estimate
- ↓ 90% Design Estimate
- ↓ 100% Design Estimate
- ↓ 30% ROM Construction Schedule
- ↓ 60% Design Construction Schedule
- ↓ 90% Design Construction Schedule Update

Each estimating phase includes an initial scope of work review meeting, and an estimate draft review meeting prior to issuing the estimate via teleconference.

| Should onsite meetings be required, these will be considered Additional Services. The quantities of work will be furnished by Kimley-Horn with Connico doing a spot check on these quantities. This proposal is for design phase services only; construction phase services are not included.

Hazardous Materials Abatement is not included. If consultant provides an estimate for hazardous materials, Connico will include in the estimate and cite source.

In providing estimates of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made on the basis of the Consultant's professional judgment and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's estimate of probable construction cost.

We require one (1) set of drawings and narrative/specifications, an electronic version of the drawings (PDF) and a copy of the soil borings report, if available and applicable.

Connico will provide an electronic copy of the estimate.

Deliverables

The estimate will be prepared in a customized format to fit the requirements of the Client provided the format is established at the beginning of the estimating task. The estimate will identify our opinion of probable construction cost of the project, based on the documents provided by the Client. Connico is entitled to rely and will rely on the



EXHIBIT A – SCOPE OF WORK AND FEE

accuracy and completeness of all such documents without undertaking an independent investigation to confirm the same.

Also included within the estimate shall be our Estimate Notes. The notes will contain allowances, criteria, and clarifications for the estimate, based on our assumptions and verbal information provided by the design team. The notes will also include any other comments about the project estimate that we feel are relevant. Connico will provide an electronic copy of the estimate report.

The estimate(s) shall be prepared within twelve (12) business days from the date all design information required is received by Connico. In the event that supplemental information is furnished to Connico after a task has begun, and such information requires changes to any quantity take-off currently in progress, Connico reserves the right to request additional compensation for any such additional take-off. No additional time shall be expended on work affected by such supplemental information without the prior written consent of the Client and an agreement having been reached as to the scope and additional fee required.

Proposed Fees (Basic Scope of Services)

“See attached Spreadsheet for the Not-To-Exceed Fee”

The proposed fees are based on providing all listed phase of estimates. Should the Client elect to change the scope of services, Connico reserves the right to renegotiate our fees.

Proposed fees are based on providing one draft estimate for review and comment and one final estimate. Should additional revisions be requested, these shall be considered additional services.

Services not set forth above are specifically excluded from the scope of the Consultant's services. The Consultant assumes no responsibility to perform any services not specifically listed.

Additional Services

Additional services are not included as part of the Basic Scope of Services and shall be paid for by the Client, in addition to payment for Basic Services, in accordance with Connico’s schedules below, or as agreed to by the Client and Connico.

Basic Services do not include, cost management, evaluating or making recommendations regarding substitution of materials, products, or equipment proposed, design alternatives or value engineering building or site systems; reconciliation estimates or services, and meetings not included within the base proposal. Connico shall be reimbursed at the rates for additional services as included within the worksheet.



April 10, 2019

Mr. Paul P. Piro, P.E.

Kimley-Horn

655 North Franklin Street, Suite 150

Tampa FL 33602

Re: Proposal for Professional Surveying Services
Tampa International Airport (TIA)
North Remain Over Night (RON) Aircraft Parking Apron: (1) Topographic Surveys
Hillsborough County, Florida

Dear Mr. Piro:

Pursuant to the information you have provided, Hyatt Survey Services, Inc. is pleased to submit this proposal for the following professional surveying services required on the above-referenced project:

Task 1.1: Topographic Survey of TIA North RON Apron Site:

- a. Hyatt Survey will perform a Topographic Survey of the North Remain Over Night (RON) Aircraft Parking Apron sites as located at the Tampa International Airport (TIA) in Hillsborough County, Florida, and depicted in the attached exhibit. (Approx. 29 acres)
- b. The survey limits for this project will extend to the limits as depicted in the attached exhibits.
- c. The survey shall include the location and identification of all above ground, visible structures (including overhead wires) and features along with any accessible subterranean features including pipe inverts with size and material.
- d. The client will order a design ticket and Hyatt Survey will locate all mark or flagged utilities.
- e. Hyatt Survey will determine site elevations on full cross sections within the survey limits and collected at 25-foot stations on aircraft pavement and 50-foot stations on other non-improved surfaces. Elevations will be collected at grade breaks, at changes in direction on curbing/paving to the limits as shown on the attached exhibit.
- f. This survey will be referenced to NAD83/07 or 11 Florida State Plane Coordinates.
- g. All elevations will be referenced to published NGS benchmarks relative to the NAVD 88 vertical datum.
- h. This project will require no more than 45 days to complete.



Mr. Paul P. Piro, P.E.

Kimley-Horn

April 10, 2019

Page 2

Deliverables:

- One (1) electronic file in AutoCAD/Civil 3D dwg format of topographic survey. Include ground surface contours/TIN in Civil3D format or LandXML format.
- Two (2) signed and sealed topographic survey drawing sheets. Prepared on 22" x 34" sheets. Horizontal scale as necessary for required detail. Drawing to show all line work for collected features.
- Text file of all data collected showing, Point Number, Northing, Easting, Description, and Elevation.

Hyatt Survey proposes to provide these services for the "Not to Exceed" fees as shown on the attached spreadsheet.

All work will be performed in accordance with the standards of practice outlined in Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

If you have any questions or comments, please do not hesitate to contact me at 941-748-4693. I look forward to working with you on this project.

Sincerely,

HYATT SURVEY SERVICES, INC.

A handwritten signature in black ink that reads "Pamela A. Hyatt".

Pamela A. Hyatt, P.S.M.
President



EXHIBITS:



TIERRA

April 17, 2019 Rev2

Kimley-Horn
655 North Franklin Street, Suite 150
Tampa, Florida 33602
Attn: Mr. Paul P. Piro, PE

**RE: Proposal for Geotechnical Engineering
And Material Testing Services – Audit Package
Tampa International Airport - Remain Overnight Aircraft Parking
North RON 8330-20
Hillsborough County, Florida
Tierra Project No. 6511-19-061**

Mr. Piro:

Thank you again for allowing Tierra to support you and KHA on the TIA Apron Parking Projects. Please find attached the requested audit package information and fee schedule estimates for the requested services.

North RON 8330-20

- Perform 46 land based SPT borings to a depth of 10 feet
- Perform associated as-needed soil laboratory classification testing
- Perform 3 CBR tests and 2 DRI tests
- Perform associated construction quality assurance inspection and laboratory testing

Tierra, Inc. appreciates the opportunity to submit these personnel for service. Please contact our office should any additional information be required.

Respectfully Submitted,

TIERRA, INC.



Henri V. Jean, P.E.
Principal Geotechnical Engineer

March 19, 2019

Paul Piro, PE
Aviation Project Manager
Kimley-Horn
655 North Franklin Street, Suite 150
Tampa, FL 33602

PROPOSAL FOR SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES

Project: HCAA Project No. 8330 20 - North Air Cargo RON (Remain Overnight) Parking Apron at Tampa International Airport, Hillsborough County, FL

Dear Mr. Piro:

At ECHO UES, Inc. (ECHO) we value your consideration and appreciate the opportunity to provide a technical proposal for the provision of professional services. This technical proposal, inclusive of economical offer and schedule, details the approach we consider as the most suitable for this project.

Project Synopsis: Based on the information made available to ECHO, we understand the project to consist of design and construction services for constructing a North Air Cargo RON (Remain Overnight) Parking ramp located north of the proposed Taxiway A. The location of this area is depicted in EXHIBIT A, attached hereto and incorporated herein by reference. It is envisioned that the RON facility will be able to accommodate a minimum of fifteen (15) commercial aircraft. The project includes the installation of new ramp lighting and the relocation of vehicle service roads with lighting, signage and pavement marking considerations.

ECHO's professional services were requested to provide subsurface utility engineering (SUE) services to support said activities.

Project Limits: ECHO's proposed services will be performed within well-defined limits (i.e. Project Limits) as shown on the attached graphic representation and detailed below. The project limits consist of one rectangular shaped area measuring approximately 15.3 acres. It is fronted by the proposed Taxiway A to the south and Taxiway C to the east.

Subsurface Utility Engineering (SUE) Services (30% Phase)

Using a combination of field investigative techniques and technology, including surface geophysical instruments, and vacuum excavation if needed, ECHO will perform the following services.

1. **Identification and marking of existing utilities.** Utilities potentially in conflict with the project and located within the project limits will be investigated in the attempt to identify their horizontal position. The results will be marked on the ground surface using the most appropriate method (i.e. pin flags, paint etc.) and showing the approximate position of the identified utilities.

Utilities that ECHO will attempt to identify, and mark utilities located within the project limits, with the exclusion of irrigation lines, services lines and sewer laterals. Gravity sewer and storm water systems will be collected during the topographic survey efforts by the surveyor of record (by others).

2. **Verification of utility location and characteristics (60% Phase).** At specific locations (specified by Kimley-Horn) ECHO will attempt to expose utilities via minimally intrusive methods (e.g. use of vacuum excavation) to address potential utility conflicts with the proposed design and construction and confirm the utilities' characteristics (e.g. type, size, material, direction, configuration) and provide an accurate vertical location. At completion of each excavation (test hole) ECHO will record all verifiable utility information, mark the utility location with the most appropriate method (e.g. wooden lathes, "X" mark on concrete, disc and nail on asphalt) and restore the field to as close as possible to its original conditions.
3. **Survey of utility information.** ECHO will perform a survey of the utility information obtained as per steps above. The survey will be based on the North American Datum of 1983 (NAD83), West Zone and elevations will be referenced to the North American Vertical Datum 1988 (NAVD 88). ECHO will utilize existing control information used for this project provided by Kimley-Horn (or the surveyor of record). All survey efforts will be conducted in accordance with the Standards of Practice set forth in Rule Chapter 5J-17, F.A.C., pursuant to Section 472.027, F.S.

Deliverables:

- Field deliverables will consist of field marks (e.g. pin flags, paint marks, wooden lathes, nails/discs etc.) showing the position of the designated and located utilities.
- Office deliverables will consist of:
 - Images and a sketch (not to scale unless otherwise stated) based on the project plans or aerial imagery publicly available.
 - Survey digital CADD file (AutoCAD) and a signed and sealed surveyor's report.

Proposed Schedule:

Subsurface Utility Engineering (SUE)

- To be discussed and agreed upon following acceptance of this proposal.

The proposed schedules shall be valid barring any unforeseen conditions.

Notes and Limitations:

1. Client shall facilitate access to the site and provide any relevant project information.
2. This item intentionally left blank.
3. Standard work hours are from 7:00am to 4:00pm, Monday through Friday; additional charges may occur (following discussion with the Client) in case of weekend or nighttime work.
4. ECHO will not work on any site that is known to be contaminated with any hazardous or harmful substance.
5. Any permit or fee requested to perform the work complying with any stakeholder's requirement will be submitted to the Client with a 5% administrative markup.
6. FDOT Design Standards (Index 600 Series) will be utilized for the Maintenance of Traffic (MOT). Should the site require modification to the Index 600 for non-standard MOT arrangements, ECHO will seek the Client's concurrence to obtain signed and sealed project's specific MOT plans (to be provided by others).
7. Any cost associated with signed and sealed MOT plans will be submitted to the Client with a 5% administrative markup.
8. Unless otherwise stated within this proposal, test holes have usual depth of up to eight (8) ft. from the ground surface, and diameter of up to 1 ft. Should there be a need for deeper or wider excavations, additional charges may apply.
9. The original ground surface at each test hole location will be restored to as close as possible to its original conditions, using concrete mix or asphalt cold patch as applicable. Any deviation from this standard (e.g. use of hot asphalt, flowable fill etc.) may require additional charges and the use of specialty subcontractors.
10. Regardless of the type of estimate proposed (e.g. lump sum, time and materials, etc.) such estimate should be considered indicative and based on preliminary information. Should any situation out of ECHO's control heavily impact ECHO's field work performance (e.g. adverse site conditions), ECHO reserves the right to seek additional funds to complete the work.
11. The exact location of any underground utility is not guaranteed unless clearly exposed and visually verified at a specific location. Utility characteristics, methods of installation, soil conditions and the surrounding environment all may impact adversely the results of any utility investigation with surface geophysical instruments and technology. No guarantee is made that all utilities will be found and identified.
12. Independently from ECHO's scope of work and performance, the Client shall comply with the relative chapter from the Florida (or any other applicable) Statutes: "Underground Facility Damage Prevention and Safety Act" and call 811 prior to any excavation taking place.
13. Subsurface Utility Engineering, Designating and Locating terms all refer to the American Society of Civil Engineers / Construction Institute Standard for the Collection and Depiction of Subsurface Utility Data (ASCE/CI 38-02). Should ECHO adopt this standard for the performance of the scope of work and preparation of deliverables, clear mention to the Standard shall be made throughout the deliverable.

At ECHO UES, Inc. we believe in collaboration and communication with our clients and are driven to understand their needs and provide time efficient and cost-effective solutions. ECHO strives to provide quality utility and survey reliable data to design better, build faster, and safely enhance Engineering, Design, Construction and Maintenance of infrastructure.

Thank you for considering ECHO for this important project and please do not hesitate to contact me directly should you have any questions or concern.

Sincerely,

ECHO UES, Inc.

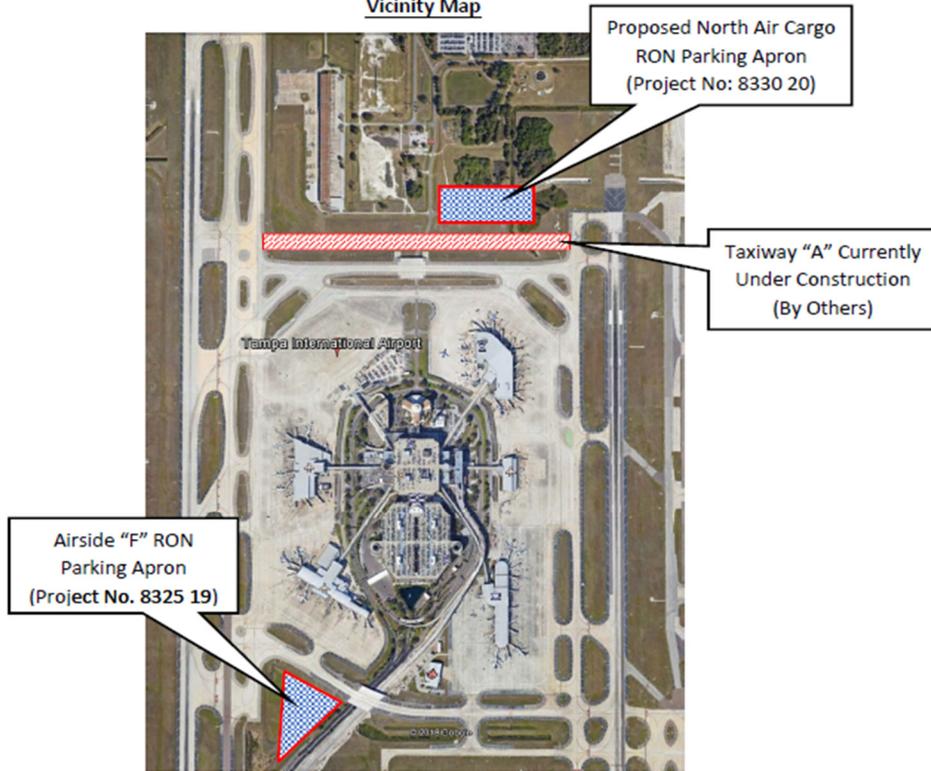
A handwritten signature in blue ink, appearing to read "Jerry Comellas, Jr.", with a stylized flourish at the end.

Jerry Comellas, Jr., PE
President

(See EXHIBIT A below)

EXHIBIT A

Vicinity Map



Project Limits



30% Design Fee

Project Fee Proposal - Kinley-Horn and Associates, Inc. - 30% Design												
North RON Parking Apron												
HCAA Project Numbers 8330.20												
5/28/2019												
Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total		
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours		
Basic Design Services												
Task IA - 30% Design - Kinley-Horn and Associates												
IA.1 Design Kick-Off Meeting		4	3									7
IA.2 Data Collection and Review		10	10									20
IA.3 Tree Observation Site Visit and Tree Mitigation Plans		2				30		60				92
IA.4 Threatened and Endangered Species		2						80				82
IA.5 Geometric Verification		36	50	0	130	30	100	0	0			346
IA.6 Preliminary Construction, Safety and Phasing Plan (CSPP)		5	15		20	10			5			55
IA.7 Field Activity Coordination		20	120									140
IA.8 Pavement Design		2	20									22
IA.9 Drawing Preparation												0
Cover					2	2						2
Project Drawing List					2	4						6
Summary of Quantities (2)					2	4						6
General Notes			2		4	4						6
Abbreviations/Legend			1		4	4						5
Contract Layout Plan			4		20	10						34
Project Safety Notes			1		2	8						11
Project Safety Notes			1		2	8						11
Project Safety/MOT Details		1	8		10	10						29
Airspace Surface Protection Plan						8	10					18
Phasing Plans (7)		4	20		40	40						104
Maintenance of Traffic Plans (7)			10		30	20						60
Boring Log and Pymt. Cores (3)					2	10						12
Existing Conditions/Surveys (4)					2	10						12
Horizontal and Vertical Control Plan					2	2						4
Erosion & Sed. Control Plan (5)			10		15	15						40
Erosion & Sed. Control Details (2)					4	10						14
Existing Utility Plan (2)					6	3						9
Site Demolition Plans (4)		2	5		30	30						67
Site Demolition Details (2)		2			10	10						22
Paving Jointing Plans (12)												0
PCC Jointing Details (2)												0
Geometry and Paving Plan (4)			10		30	20						60
Paving Elevation Plans (12)												0
Grading and Drainage Plans (4)												0
Drainage Details (6)												0
Cross Sections - North RON Parking Apron (5)												0
Cross Sections - GSE Apron (3)												0
Cross Sections - Vehicle Service Road (2)												0
Centerline Profile - Vehicle Service Road		1			5	10						16
Pavement Marking Plans (4)					16	8						24
Pavement Marking Details (3)					2	8						10
General Electrical Notes			1		2	3						3
Electrical Abbreviations/Legend			1		2	2						3
Electrical Demolition Plans (2)			2		8	8						10
Electrical Lighting Plan (4)			4		16	16						20
Artificial Lighting Plan (2)												0
Light Fixtures Installation Details												0
Conduit and Ductbank Details			1		2	2						3
Guidance Signs Details			1		2	2						3
Hand Hole and Grounding Details			1		2	2						3
Circuit Schedules												0
Apron Lighting and Signage				2	10	16						28
Drainage Engineering		4	20		20	20						44
Utility Engineering		4	30		10	20						54
Technical Specifications		20	12		10	10			5			47
Project Quantities and Engineer's Estimate		5	12		14	14						31
Project Management		200		2								202
Quality Control		10	8		8	15						46
Deliverable					8	8			4			20
Review Meetings			11	15	3	3						32
												0
												0
Subtotal Hours	10,00	376,00	448,00	15,00	591,00	437,00	210,00	140,00	14,00			2,241
Rate	\$ 83.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 35.98	\$ 72.44	\$ 42.63	\$ 23.62			\$ 115,628.47
Subtotal Direct Labor	\$ 838.20	\$ 27,478.08	\$ 24,362.24	\$ 1,132.35	\$ 25,486.64	\$ 14,849.26	\$ 15,212.40	\$ 5,968.20	\$ 331.10			\$ 115,628.47
Subtotal Burdened Labor @		3.05										\$ 452,666.83

30% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
North RON Parking Apron												
HCAA Project Numbers 8330.20												
5/28/2019												
Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Hours	Hours	Hours	Total
Basic Design Services												
Task - 30% Design - Volt Air Consulting Engineers, Inc.												
1.1 Design Meetings	2	4	4	2								12
1.2 Power Distribution Plans		4	8	8	15	12						47
1.3 Lighting Plans and Photometries		4	32	36	19	16						111
1.4 QA/QC	2	4	6	8								20
1.5 HCAA Review Meetings		4	8									14
1.6 Specifications		4	6									22
1.7 Estimate Assistance		2	2									4
												0
Subtotal Hours	4.00	32.00	66.00	54.00	34.00	28.00		12.00				230
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38	\$ -	\$ -	\$ -	\$ 11,575.84
Subtotal Direct Labor	\$ 342.88	\$ 2,218.56	\$ 3,840.54	\$ 2,190.24	\$ 1,495.66	\$ 1,135.40	\$ -	\$ 352.56	\$ -	\$ -	\$ -	\$ 11,575.84
Subtotal Burdened Labor @	2.30											\$ 26,624.43

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
North RON Parking Apron												
HCAA Project Numbers 8330.20												
5/28/2019												
Scope/Task	Sr. Engineer	Engineer	Sr. Ecologist	Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Hours	Hours	Total
Basic Design Services												
Task - 30% Design - Florida Design Consultants, Inc.												
General Guidance, Permitting 8330-20	6	6	6									12
Pre-Application Meeting 8330-20	16	16	16									48
Permits Memorandum 8330-20	4	8	8									20
Preliminary Design Calculations 8330-20	16	8										24
												0
Subtotal Hours	42.00	32.00	30.00									104
Rate	\$ 46.15	\$ 25.96	\$ 48.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,211.42
Subtotal Direct Labor	\$ 1,938.30	\$ 830.72	\$ 1,442.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,211.42
Subtotal Burdened Labor @	2.96											\$ 12,465.80

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 30% Design												
North RON Parking Apron												
HCAA Project Numbers 8330.20												
5/28/2019												
Scope/Task	Principal	Associate Principal	Director	Senior Project Specialist	Project Analyst III	Admin Specialist	Cost Analyst II	Hours	Hours	Hours	Hours	Total
Basic Design Services												
Task I - 30% Design - Comico, Inc.												
Cost Estimating	1	2	2	16	16	1	16					38
												0
												0
Subtotal Hours	1.00	2.00	2.00	16.00	16.00	1.00	16.00					38
Rate	\$ 106.96	\$ 84.59	\$ 78.41	\$ 44.48	\$ 42.36	\$ 32.92	\$ 30.60	\$ -	\$ -	\$ -	\$ -	\$ 1,633.20
Subtotal Direct Labor	\$ 106.96	\$ 169.17	\$ 156.82	\$ 711.68	\$ 677.69	\$ 32.92	\$ 489.65	\$ -	\$ -	\$ -	\$ -	\$ 4,817.94
Subtotal Burdened Labor @	2.95											\$ 4,817.94

60% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design										
North RON Parking Apron										
HCAA Project Numbers: 8330.20										
5/28/2019										
Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Basic Design Services										
Task 2A - 60% Design - Kimley-Horn and Associates										
2A.1 Drawing Preparation										
Cover						2				2
Project Drawing List					2	4				6
Summary of Quantities (2)					2	4				6
General Notes			2		4					6
Abbreviations/Legend			1		4					5
Contract Layout Plan		4	8		30	20				62
Project Safety Notes			2		4	8				14
Project Security Notes			2		4	8				14
Project Safety/MOT Details		2	8		15	10				35
Airspace Surface Protection Plan		1			8		10			19
Phasing Plans (7)		4	30		40	40				114
Maintenance of Traffic Plans (7)			10		30	20				60
Boring Log and Print Cores (3)					2	10				12
Existing Conditions/Survey (4)					2	10				12
Horizontal and Vertical Control Plan					1	2				3
Erosion & Sed. Control Plan (5)		2	10		20	15				47
Erosion & Sed. Control Details (2)					4	10				14
Existing Utility Plan (2)					8	4				12
Site Demolition Plans (4)		4	10		30	30				74
Site Demolition Details (2)		2			10	10				22
Paving Joining Plans (12)										0
PCC Jointing Details (2)										0
Geometry and Paving Plan (4)			10		30	20				60
Paving Elevation Plans (12)										0
Grading and Drainage Plans (4)										0
Drainage Details (6)										0
Cross Sections - North RON Parking Apron (5)										0
Cross Sections - GSE Apron (3)										0
Cross Sections - Vehicle Service Road (2)										0
Centerline Profile - Vehicle Service Road		1			5	10				16
Pavement Marking Plans (4)					16	8				24
Pavement Marking Details (3)					2	8				10
General Electrical Notes			1		2					3
Electrical Abbreviations/Legend			1		2					3
Electrical Demolition Plans (2)		2	6		8					14
Electrical Lighting Plan (4)			9		16					25
Airfield Signage Plan (2)										0
Light Fixtures Installation Details										0
Conduit and Ductbank Details			1		2					3
Guidance Sign Details			1		2					3
Hand Hole and Grounding Details			1		2					3
Circuit Schematics										0
2A.2 Apron Lighting and Signage				2	10	16				28
2A.3 Drainage Engineering		8	40		60	60				108
2A.4 Utility Engineering		8	40		60	60				108
2A.5 Technical Specifications		20	14		10				5	49
2A.6 Project Quantities and Engineers Estimate		125	9		14	10				33
2A.7 Project Management				2						127
2A.8 Quality Control		10	8	9		15				47
2A.9 Deliverable					8	8			4	20
2A.10 Review Meetings			11	3						29
										0
										0
Subtotal Hours	10.00	197.00	239.00	16.00	333.00	438.00	10.00		9.00	1252
Rate	\$ 85.20	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	\$ 59.61243
Subtotal Direct Labor	\$ 858.20	\$ 14,396.76	\$ 12,996.82	\$ 1,207.84	\$ 14,332.32	\$ 14,883.24	\$ 724.40	\$ -	\$ 212.85	\$ 181,817.91
Subtotal Burdened Labor @		3.05								

60% Design Fee

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design												
North RON Parking Apron												
HCAA Project Numbers 8330 20												
5/28/2019												
Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Hours	Hours	Hours	Total
Basic Design Services												
Task - 60% Design - Volt Air Consulting Engineers, Inc.												
2.1 Design Meetings	2	4	4	2								12
2.2 Power Distribution Plans		4	8	8	15	12						47
2.3 Lighting Plans and Photometrics		8	32	36	15	12						103
2.4 QA/QC	2	4	6	8								20
2.5 HCAA Review Meetings		6	8									14
2.6 Specifications		4	6					12				22
2.70 Estimate Assistance		2	2									4
												0
Subtotal Hours	4.00	32.00	66.00	54.00	30.00	24.00	-	12.00	-	-	-	222
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38	\$ -	\$ -	\$ -	\$ 11,237.68
Subtotal Direct Labor	\$ 342.88	\$ 2,218.56	\$ 3,840.54	\$ 2,190.24	\$ 1,319.70	\$ 973.20	\$ -	\$ 352.56	\$ -	\$ -	\$ -	\$ 11,237.68
Subtotal Burdened Labor @		2.30										\$ 25,846.66

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 60% Design												
North RON Parking Apron												
HCAA Project Numbers 8330 20												
5/28/2019												
Scope/Task	Sr. Engineer	Engineer	Sr. Ecologist	Hours	Total							
Basic Design Services												
Task - 60% Design - Florida Design Consultants, Inc.												
Drainage Modeling 8330-20	8	16										0
Drainage Details 8330-20	8	24										32
Drainage Report 8330-20	14	20										34
Environmental Report 8330-20	4	8	24									24
Permit Submittals 8330-20	2	4										2
Water Quality Design	8	8										16
												0
Subtotal Hours	44.00	76.00	28.00									148
Rate	\$ 46.15	\$ 25.96	\$ 48.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,349.80
Subtotal Direct Labor	\$ 2,030.60	\$ 1,972.96	\$ 1,346.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,349.80
Subtotal Burdened Labor @		2.96										\$ 15,835.41

Project Fee Proposal - Kimley-Horn and Associates, Inc. - 90% Design
North RON Parking Apron
 HCAA Project Numbers 8330 20
 5/28/2019

Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Basic Design Services										
Task 3A - 90% Design - Kimley-Horn and Associates										
3A.1 Drawing Preparation										
Cover						2				2
Project Drawing List					2	4				6
Summary of Quantities (2)					2	4				6
General Notes						4				4
Abbreviations/Legend						4				4
Contract Layout Plan					10	10				24
Project Safety Notes					4	4				9
Project Security Notes					4	4				9
Project Safety/MOT Details		1	8		2	2				13
Airspace Surface Protection Plan						4				4
Phasing Plans (7)		4	20		40	40				104
Maintenance of Traffic Plans (7)			10		30	20				60
Boring Log and Pmt. Cores (3)					2	5				7
Existing Conditions/Survey (4)					2	5				7
Horizontal and Vertical Control Plan										
Erosion & Sed. Control Plan (5)			10		20	15				45
Erosion & Sed. Control Details (2)					4	10				14
Existing Utility Plan (2)					6	3				9
Site Demolition Plans (4)		2	5		30	30				67
Site Demolition Details (2)		2	4		10	10				22
Paving Jointing Plans (12)		1	4		10	5				21
PCC Jointing Details (2)					5	5				15
Geometry and Paving Plan (4)		10	20		30	20				80
Paving Elevation Plans (12)		5	20		60	60				147
Grading and Drainage Plans (4)			30		30	40				100
Drainage Details (6)					10	15				25
Cross Sections - North RON Parking Apron (5)		4	10		30	20				64
Cross Sections - GSE Apron (3)		4	10		20	20				54
Cross Sections - Vehicle Service Road (2)		4	5		10	10				29
Centerline Profile - Vehicle Service Road		1	5		10	10				26
Pavement Marking Plans (4)					16	8				24
Pavement Marking Details (3)					2	8				10
General Electrical Notes			1		2	2				3
Electrical Abbreviations/Legend			1		2	2				3
Electrical Demolition Plans (2)			2		8	8				10
Electrical Lighting Plan (4)			4		16	16				20
Airfield Signage Plan (2)			4		16	16				20
Light Fixtures Installation Details			1		2	2				3
Conduit and Ductbank Details			1		2	2				3
Guidance Sign Details			1		2	2				3
Hand Hole and Grounding Details			1		2	2				3
Circuit Schematics			2		4	4				4
Technical Specifications		20	12		10	10		5		47
Apron Lighting and Signage		4	60		10	16				28
Drainage Engineering		4	60		10	30				94
Utility Engineering		4	60		10	40				104
Modification to AICT, ALCMS and Vault				40		80				120
Obstruction Evaluation, 7460-1			8		16	16				24
Construction Safety and Phasing Plan (CSPP)		5	15		10	5				40
Draft Engineer's Report		5	20		20	5				52
Project Quantities and Engineer's Estimate		110	9		14	10				33
Project Management		8								8
Sustainability Initiative		16							4	20
Draft Front End Documents		10	5		8	15				47
Quality Control					8	8				20
Deliverable										20
Review Meetings		11	15		3					29
										0
Subtotal Hours	12,00	228,00	395,00	58,00	527,00	622,00	5,00		23,00	1870
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 35.98	\$ 72.44	\$ 42.63	\$ 23.65	\$ 86,274.39
Subtotal Direct Labor	\$ 1,029.84	\$ 16,662.24	\$ 21,480.10	\$ 4,378.42	\$ 22,682.08	\$ 21,135.56	\$ 362.20	\$ -	\$ 543.95	\$ 269,236.89
Subtotal Burdened Labor @		3.05								

North RON Parking Apron

HCAA Project Numbers 8330,20

5/28/2019

Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Basic Design Services										
Task 4A - 100% Design - Kimley-Horn and Associates										
4A.1 Drawing Preparation										
Cover										0
Project Drawing List						1				1
Summary of Quantities (2)						2				3
General Notes			2			4				5
Abbreviations/Legend						1				3
Contract Layout Plan			1			1				2
Project Safety Notes			4			2				8
Project Safety/MOT Details			1			1				2
Project Safety/MOT Details			8			5				2
Airspace Surface Protection Plan										0
Phasing Plans (7)		4	10			20				44
Maintenance of Traffic Plans (7)			5			20				30
Boring Log and Point Cores (3)						2				4
Existing Conditions/Survey (4)						2				4
Horizontal and Vertical Control Plan						1				1
Erosion & Sed. Control Plan (5)			5			5				12
Erosion & Sed. Control Details (2)						1				3
Existing Utility Plan (2)						4				6
Site Demolition Plans (4)		2	5			10				27
Site Demolition Details (2)		2				5				12
Paving Jointing Plans (12)		2	4			5				16
ICC Jointing Details (2)		1	4			2				9
Geometry and Paving Plan (4)		5	5			5				20
Paving Elevation Plans (12)	2	5	10			10				37
Grading and Drainage Plans (4)			5			10				25
Drainage Details (6)						5				10
Cross Sections - North RON Parking Apron (5)		2	5			10				27
Cross Sections - GSE Apron (3)		2	5			10				27
Cross Sections - Vehicle Service Road (2)						5				10
Centerline Profile - Vehicle Service Road						5				5
Pavement Marking Plans (4)						4				8
Pavement Marking Details (3)						1				5
General Electrical Notes						2				2
Electrical Abbreviations/Legend			1			2				3
Electrical Demolition Plans (2)			1			2				3
Electrical Lighting Plan (4)			2			16				18
Airfield Signage Plan (2)			2			16				18
Light Fixtures Installation Details			1			2				3
Conduit and Ductbank Details			1			2				3
Guidance Sign Details			1			2				3
Hand Hole and Grounding Details			1			2				3
Circuit Schematics			1			2				3
Technical Specifications		20	12			10			5	47
Apron Lighting and Signage		1	10			15				26
Drainage Engineering		1	10			15				26
Utility Engineering		1	10			15				26
Front End Documents		25							5	30
Project Quantities and Engineer's Estimate			9			14				33
Final Engineer's Report		5	20			20				52
Project Management		35								35
Quality Control	10	5	8			9				47
Deliverable						8			4	20
Review Meetings		4	5			3				12
										0
Subtotal Hours	12.00	123.00	175.00	14.00	293.00	164.00			19.00	800
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	\$ 39,224.83
Subtotal Direct Labor	\$ 1,029.84	\$ 8,988.84	\$ 9,516.50	\$ 1,056.86	\$ 12,610.72	\$ 5,572.72	\$ -	\$ -	\$ 449.35	\$ 119,635.73
Subtotal Burdened Labor @		3.05								

North RON Parking Apron

HCAA Project Numbers 8330.20

5/28/2019

Scope/Task	Principal Hours	Electrical Director Hours	Senior Electrical Engineer Hours	Electrical Engineer II Hours	Sr. Electrical Designer Hours	Electrical Designer Hours	BIM Manager Hours	Clerical Hours	Total
Basic Design Services									
Task - 100% Design - Volt Air Consulting Engineers, Inc.									
4.1 Design Meetings		2	1	2					5
4.2 Power Distribution Plans		2	4	4	6	4			20
4.3 Lighting Plans and Photometrics		2	8	11	10	8			39
4.4 QA/QC		2	2	4					8
4.5 HCAA Review Meetings		2	2						4
4.6 Specifications		2						1	3
4.7 Estimate Assistance		2							2
									0
Subtotal Hours		14.00	17.00	21.00	16.00	12.00		1.00	81
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38	\$ -
Subtotal Direct Labor	\$ -	\$ 970.62	\$ 989.23	\$ 851.76	\$ 703.84	\$ 486.60	\$ -	\$ 29.38	\$ -
Subtotal Burdened Labor @		2.30							\$ 4,031.43
									\$ 9,272.29

North RON Parking Apron

HCAA Project Numbers 8330.20

5/28/2019

Scope/Task	Principal Hours	Associate Principal Hours	Director Hours	Senior Project Specialist Hours	Project Analyst III Hours	Admin Specialist Hours	Cost Analyst II Hours	Total
Basic Design Services								
Task - 100% Design - Connico, Inc.								
Cost Estimating	1	1	2		20	1	12	0
								37
								0
								0
								0
								0
								0
								0
								0
								0
Subtotal Hours	1.00	1.00	2.00	-	20.00	1.00	12.00	37
Rate	\$ 106.96	\$ 84.59	\$ 78.41	\$ 44.48	\$ 42.36	\$ 32.92	\$ 30.60	\$ -
Subtotal Direct Labor	\$ 106.96	\$ 84.59	\$ 156.82	\$ -	\$ 847.12	\$ 32.92	\$ 367.23	\$ -
Subtotal Burdened Labor @		2.95						\$ 1,595.63
								\$ 4,707.10

North RON Parking Apron

HCAA Project Numbers 83.30.20
5/28/2019

Scope/Task	QA/QC	Project Manager	Senior Engineer	Senior Electrical Engineer	Professional Engineer	Engineer	Aviation Planner	Environmental Scientist	Administrative	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Basic Design Services										
Task 5A - Bidding - Kimley-Horn and Associates										
5A.1 Pre Bid Meeting		5	5							10
5A.2 Preparation of Addenda		5	32		48	30				115
5A.3 Recommendation of Contract Award		5	10							15
5A.4 Conformed Documents		5	2		8	30				45
5A.5 Deliverable					10	10			5	25
										0
Subtotal Hours		20.00	49.00	-	66.00	70.00	-	-	5.00	210
Rate	\$ 85.82	\$ 73.08	\$ 54.38	\$ 75.49	\$ 43.04	\$ 33.98	\$ 72.44	\$ 42.63	\$ 23.65	
Subtotal Direct Labor	\$ -	\$ 1,461.60	\$ 2,664.62	\$ -	\$ 2,840.64	\$ 2,378.60	\$ -	\$ -	\$ 118.25	\$ 9,463.71
Subtotal Burdened Labor @		3.05								\$ 28,864.32

North RON Parking Apron

HCAA Project Numbers 83.30.20
5/28/2019

Scope/Task	Principal	Electrical Director	Senior Electrical Engineer	Electrical Engineer II	Sr. Electrical Designer	Electrical Designer	BIM Manager	Clerical	Total
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Basic Design Services									
Task - Bidding - Volt Air Consulting Engineers, Inc.									
5.1 Answer Pre Bid RFT's		4	4	4					12
5.2 Prepare Addendums		2	6	4					12
5.3 Review Bid Documents	2	2	2						6
									0
Subtotal Hours	2.00	8.00	12.00	8.00	-	-	-	-	30
Rate	\$ 85.72	\$ 69.33	\$ 58.19	\$ 40.56	\$ 43.99	\$ 40.55	\$ 43.99	\$ 29.38	\$ -
Subtotal Direct Labor	\$ 171.44	\$ 554.64	\$ 698.28	\$ 324.48	\$ -	\$ -	\$ -	\$ -	\$ 1,748.84
Subtotal Burdened Labor @		2.30							\$ 4,022.33

Task 1 - 30% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	2 Nights	\$150.00	300
Per Diem	2 Days	\$38.00	76
Air Fair	1 Round Trip	\$700.00	\$700.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$1,274.00

Task 2 - 60% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	0 Nights	\$150.00	0
Per Diem	0 Days	\$38.00	0
Air Fair	0 Round Trip	\$700.00	\$0.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$198.00

Task 3 - 90% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	0 Nights	\$150.00	0
Per Diem	0 Days	\$38.00	0
Air Fair	0 Round Trip	\$700.00	\$0.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$198.00

Task 4 - 100% Design - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	0 Nights	\$150.00	0
Per Diem	0 Days	\$38.00	0
Air Fair	0 Round Trip	\$700.00	\$0.00
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	0 Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	11 Days	\$18.00	198
TOTAL			\$198.00

Task 5 - Bidding - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	Nights		
Per Diem	Days		
Air Fair	Round Trip		
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	2160 Sheet	\$0.20	432
Bond Prints	SF		
Parking Home Airport	2 Days	\$18.00	36
TOTAL			\$468.00

Printing 3 Project Specs and Project Manual (600 pgs) =1800
3 11x17 plans (120 pages) =360

Task 6 - Construction Administration - Kimley-Horn, Inc.

Description	Quantity	Unit Cost	Total
Lodging	Nights		
Per Diem	Days		
Air Fair	Round Trip		
Rental Car/Transportation	Days		
Shipping	Lump		
Parking	Lump		
Milage	Miles		
Color Printing	0 Sheet		0
Report Printing/Binding	Sheet	\$0.20	0
Bond Prints	SF		
Parking Home Airport	50 Days	\$18.00	900
TOTAL			\$900.00

Task 1 - 30% Design - TIERRA, Inc

Geotechnical Field Investigation				
Work Elements				
Perform 46 land Based SPT borings to a depth of 10 feet = 460 LF				
Perform 3 CBRs, 2 Double Ring Infiltration Tests				
Item Description	Unit	Unit Price	Qty	Total
415-Geo Double Ring Infiltration (ASTM D3385)	Each	\$ 525.00	2	\$ 1,050.00
418-Geo Drill Crew Support Vehicle	Day	\$ 160.00	5	\$ 800.00
420-Geo Drilling Crew 3-Person	Hour	\$ 185.00		\$ -
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 350.00		\$ -
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 8.50		\$ -
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 6.25	460	\$ 2,875.00
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 21.50		\$ -
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 15.20	460	\$ 6,992.00
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 7,500.00		\$ -
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,250.00		\$ -
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 200.00		\$ -
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 350.00	2	\$ 700.00
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 700.00		\$ -
Muck Probing Unsuitable Soils 2-Man Crew	Day	\$ 1,080.00		\$ -
Site Clearing to Access Boring or Test Locations	Hour	\$ 210.00		\$ -
Geotechnical Soil Laboratory Testing				
805-Soils Corrosion Series (FM 5-550 through 5-553)	Test	\$ 175.00	8	\$ 1,400.00
810-Soils California Bearing Ratio (CBR)	Test	\$ 340.00	5	\$ 1,700.00
812-Soils Materials Finer than 200 Sieve (FM 1-T011)	Test	\$ 42.00	24	\$ 1,008.00
817-Soils Moisture Content Laboratory (AASHTO T 265)	Test	\$ 10.00	24	\$ 240.00
819-Soils Organic Content Ignition (FM 1 T-267)	Test	\$ 42.00	24	\$ 1,008.00
822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer)	Test	\$ 67.00	22	\$ 1,474.00
Atterberg Limit Tests (AASHTO T-89 and T-90) Combined	Test	\$ 130.00	25	\$ 3,250.00
854-Handheld GPS	Per Day	\$ 80.34	5	\$ 401.70
Asphalt and Concrete Pavement Coring				
305-Concrete Pavement Coring - 4" Dia	Each	\$ 110.00		\$ -
306-Concrete Pavement Coring - 6" Dia	Each	\$ 110.00		\$ -
606-Mobilization Concrete Coring	Each	\$ 250.00		\$ -
Total Estimated Fee				\$ 22,898.70

Task 6 - CA - TIERRA, Inc

Project Description:

North Air Car 40,000 SY plus 15,000 SY add'l parking

FEE ESTIMATE FOR QUALITY ASSURANCE TESTING

P-152 Excavation and Embankment -

Description	Estimated Quantity	Unit Rate	Unit	Sub-Total
Laboratory Tests				
Modified Proctor Tests	12	\$ 115.00	per test	\$ 1,380.00
Soil Classification (Sieve Analysis, Atterberg Limits, Organic Content)	12	\$ 200.00	per test	\$ 2,400.00
Total P-152				\$ 3,780.00

P-160 Stabilized Subgrade

Laboratory Testing				
LBR	17	\$ 340.00	each	\$ 5,780.00
Soil Classification (Sieve Analysis, Atterberg Limits, Organic Content)	17	\$ 200.00	per test	\$ 3,400.00
Total P-160:				\$ 9,180.00

P-219 Crushed Concrete Base

Laboratory Testing				
LBR	2	\$ 340.00	each	\$ 680.00
Aggregate Sieve Analysis	2	\$ 80.00	per test	\$ 160.00
LA Abrasion	2	\$ 300.00	per test	\$ 600.00
Liquid/Plastic Limits	2	\$ 85.00	per test	\$ 170.00
Flat & Elongated Particles	2	\$ 100.00	per test	\$ 200.00
Total P-211:				\$ 1,810.00

P-501 PCC Concrete - 7600 CY

Laboratory Testing				
Flexural Strength Test Beams	200	\$ 25.00	each	\$ 5,000.00
Total P-501:				\$ 5,000.00
Total Estimated Expense				\$ 19,770.00

RATE CALCULATION WORKSHEETS

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead (\$/hr)	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
Kimley-Horn & Associates			195.23%	3.31%		
Mike Carey	Quality Control	\$ 85.10	\$ 166.14	\$ 8.31	\$ 259.56	3.05
Stephen Cornell	Quality Control	\$ 86.54	\$ 168.95	\$ 8.46	\$ 263.95	3.05
Paul Piro	Project Manager	\$ 73.08	\$ 142.67	\$ 7.14	\$ 222.89	3.05
Tony Esposito	Senior Engineer	\$ 58.42	\$ 114.05	\$ 5.71	\$ 178.18	3.05
Eileen Velez	Senior Engineer	\$ 57.70	\$ 112.65	\$ 5.63	\$ 175.99	3.05
David Sparks	Senior Engineer	\$ 56.26	\$ 109.84	\$ 5.49	\$ 171.59	3.05
Tom O'Donnell	Senior Engineer	\$ 54.82	\$ 107.03	\$ 5.35	\$ 167.20	3.05
Jared Moreng	Senior Engineer	\$ 52.90	\$ 103.28	\$ 5.16	\$ 161.35	3.05
Adam Johnson	Senior Engineer	\$ 46.16	\$ 90.12	\$ 4.51	\$ 140.79	3.05
Dustin Colwell	Professional Engineer	\$ 51.46	\$ 100.47	\$ 5.02	\$ 156.95	3.05
Joseph Bradshaw	Professional Engineer	\$ 45.68	\$ 89.18	\$ 4.46	\$ 139.32	3.05
James Howell	Professional Engineer	\$ 44.72	\$ 87.31	\$ 4.37	\$ 136.40	3.05
Jenni Morches	Professional Engineer	\$ 44.48	\$ 86.84	\$ 4.34	\$ 135.66	3.05
Junaid Yahya	Professional Engineer	\$ 43.28	\$ 84.50	\$ 4.22	\$ 132.00	3.05
Paul Reit	Professional Engineer	\$ 41.36	\$ 80.75	\$ 4.04	\$ 126.15	3.05
Julia Focaracci	Professional Engineer	\$ 40.16	\$ 78.40	\$ 3.93	\$ 122.49	3.05
Stephanie Lopez	Professional Engineer	\$ 38.22	\$ 74.62	\$ 3.73	\$ 116.57	3.05
Justin Gobble	Professional Engineer	\$ 37.98	\$ 74.15	\$ 3.71	\$ 115.84	3.05
Lisa Miekley	Engineer	40.40	\$ 78.87	\$ 3.95	\$ 123.22	3.05
Connor Chambliss	Engineer	\$ 35.10	\$ 68.53	\$ 3.42	\$ 107.06	3.05
Dustin Ballard	Engineer	\$ 34.86	\$ 68.06	\$ 3.40	\$ 106.32	3.05
Aris Tirado	Engineer	32.94	\$ 64.31	\$ 3.22	\$ 100.47	3.05
Monica Mendelson	Engineer	\$ 31.02	\$ 60.56	\$ 3.03	\$ 94.61	3.05
Ed Jimenez	Engineer	\$ 29.58	\$ 57.75	\$ 2.89	\$ 90.22	3.05
Tom Schnetzer	Aviation Planner	\$ 89.18	\$ 174.11	\$ 8.71	\$ 272.00	3.05
Eric Bernhardt	Aviation Planner	\$ 82.94	\$ 161.92	\$ 8.11	\$ 252.97	3.05
Jacob Bowers	Aviation Planner	\$ 45.20	\$ 88.24	\$ 4.42	\$ 137.86	3.05
Sarah Johnson	Environmental Scientist	\$ 48.56	\$ 94.80	\$ 4.75	\$ 148.11	3.05
Chris Cianfaglione	Environmental Scientist	\$ 45.68	\$ 89.18	\$ 4.46	\$ 139.32	3.05
Julie Burford	Environmental Scientist	\$ 33.66	\$ 65.71	\$ 3.29	\$ 102.66	3.05
Anees Rahman	Senior Electrical Eng.	\$ 91.36	\$ 178.36	\$ 8.93	\$ 278.65	3.05
Dene Egami	Senior Electrical Eng.	\$ 59.62	\$ 116.40	\$ 5.82	\$ 181.84	3.05
Danielle Benzer	Administrative	\$ 31.74	\$ 61.97	\$ 3.10	\$ 96.81	3.05
Sharda Dunne	Administrative	\$ 28.38	\$ 55.41	\$ 2.77	\$ 86.56	3.05
Kasey Hughes	Administrative	\$ 27.18	\$ 53.06	\$ 2.66	\$ 82.90	3.05
Cortney Mauldin	Administrative	\$ 24.04	\$ 46.93	\$ 2.35	\$ 73.32	3.05
Vivian Reddick	Administrative	\$ 22.02	\$ 42.99	\$ 2.15	\$ 67.16	3.05
Rose Gibbons	Administrative	\$ 21.16	\$ 41.31	\$ 2.07	\$ 64.54	3.05
Heather Dolatowski	Administrative	\$ 20.78	\$ 40.57	\$ 2.03	\$ 63.38	3.05
Tameka Testman	Administrative	\$ 19.24	\$ 37.56	\$ 1.88	\$ 58.68	3.05
Sydney Coffman	Administrative	\$ 18.28	\$ 35.69	\$ 1.78	\$ 55.75	3.05

VOLT AIR CONSULTING ENGINEERS, INC.

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead (\$/hr)	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
			109.00%	10%		
Williams Kristie	Office Administrator	\$ 29.38	\$ 32.02	\$ 6.14	\$ 67.54	2.30
Wiegman Roger	CAD Coord/Office IT/Designer II	\$ 43.99	\$ 47.95	\$ 9.19	\$ 101.13	2.30
McGuirk Bill	Designer II	\$ 40.55	\$ 44.20	\$ 8.47	\$ 93.22	2.30
Crnkovich Gerry	Director of Electrical Engineering	\$ 69.33	\$ 75.57	\$ 14.49	\$ 159.40	2.30
Aquirre Maria	Engineer II	\$ 35.70	\$ 38.91	\$ 7.46	\$ 82.07	2.30
Joseph Aaron	Engineer II	\$ 39.23	\$ 42.76	\$ 8.20	\$ 90.19	2.30
Louis Elohim	Engineer II	\$ 34.82	\$ 37.95	\$ 7.28	\$ 80.05	2.30
Davis Julius	Principal	\$ 85.72	\$ 93.43	\$ 17.92	\$ 197.07	2.30
Beard William	Project Manager/Elec Engineer II	\$ 40.56	\$ 44.21	\$ 8.48	\$ 93.25	2.30
Bataovich John	Senior Project Engineer	\$ 45.61	\$ 49.71	\$ 9.53	\$ 104.86	2.30
Salvo Chris	Senior Project Engineer	\$ 58.19	\$ 63.43	\$ 12.16	\$ 133.78	2.30
Jennings John	Director of Information Technology	\$ 49.38	\$ 53.82	\$ 10.32	\$ 113.52	2.30
Jennings Seth	IT Designer I	\$ 17.85	\$ 19.46	\$ 3.73	\$ 41.04	2.30
Young Roland	Director of Mechanical Engineering	\$ 56.67	\$ 61.77	\$ 11.84	\$ 130.28	2.30
Bocanegra LeeMarie	Engineer I	\$ 32.61	\$ 35.54	\$ 6.82	\$ 74.97	2.30
Davis Andrew	Engineer I	\$ 32.94	\$ 35.90	\$ 6.88	\$ 75.73	2.30
Humbert Zachary	Engineer I	\$ 30.60	\$ 33.35	\$ 6.40	\$ 70.35	2.30
Janisch Daniel	Engineer I	\$ 32.40	\$ 35.32	\$ 6.77	\$ 74.49	2.30
Park Ji Hyung	Engineer I	\$ 32.83	\$ 35.78	\$ 6.86	\$ 75.48	2.30
Glass Bailey	Engineer II	\$ 40.81	\$ 44.48	\$ 8.53	\$ 93.82	2.30
Celis Danny	SPE/Project Team Manager/Sr Mech Enginner	\$ 52.80	\$ 57.55	\$ 11.04	\$ 121.39	2.30
Zemina Bryan	SPE/Project Team Manager/Sr Mech Enginner	\$ 53.50	\$ 58.32	\$ 11.18	\$ 123.00	2.30
Shorey Rob	Director of Plumbing/Fire	\$ 48.20	\$ 52.54	\$ 10.07	\$ 110.81	2.30

Connico, Inc.

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead (\$/hr)	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
			168.47%	10%		
Gowder, Connie	Principal	\$ 106.96	\$ 180.19	\$ 28.71	\$ 315.86	2.95
Hunley, David	Associate Principal	\$ 84.59	\$ 142.50	\$ 22.71	\$ 249.80	2.95
Neser, Charl	Director	\$ 78.41	\$ 132.10	\$ 21.05	\$ 231.55	2.95
Martin, Bill	Senior Project Specialist	\$ 75.13	\$ 126.57	\$ 20.17	\$ 221.87	2.95
de Keyzer, Ian	Chief Cost Specialist	\$ 71.27	\$ 120.07	\$ 19.13	\$ 210.47	2.95
Jones, Jeff	Senior Cost Specialist	\$ 61.28	\$ 103.25	\$ 16.45	\$ 180.98	2.95
Bowman, Jeff	Senior Cost Specialist	\$ 60.79	\$ 102.41	\$ 16.32	\$ 179.52	2.95
Cleary, Charles J.	Senior Cost Specialist	\$ 57.69	\$ 97.19	\$ 15.49	\$ 170.38	2.95
Ambrose, David	Senior Cost Specialist	\$ 56.22	\$ 94.71	\$ 15.09	\$ 166.03	2.95
Heckendorn-Blake, Lisa	Senior Project Specialist	\$ 44.48	\$ 74.94	\$ 11.94	\$ 131.36	2.95
Kumar, Sri	Project Analyst III	\$ 42.36	\$ 71.36	\$ 11.37	\$ 125.08	2.95
Ayres, Tere (*new starts 4/1)	Cost Analyst III	\$ 38.46	\$ 64.80	\$ 10.33	\$ 113.58	2.95
Caraker, Martha	Admin Specialist	\$ 32.92	\$ 55.45	\$ 8.84	\$ 97.21	2.95
Hafertepe, Bryan	Cost Analyst II	\$ 30.60	\$ 51.56	\$ 8.22	\$ 90.38	2.95
Feeney, Michael	Project Analyst I	\$ 29.35	\$ 49.45	\$ 7.88	\$ 86.68	2.95
Claxton, J. Caleb	Project Analyst I	\$ 28.85	\$ 48.60	\$ 7.74	\$ 85.19	2.95
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Hyatt Survey Services, Inc.

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
			177.60%	8.00%		
Hyatt, Pamela	Principal, PSM	\$ 84.52	\$ 150.11	\$ 18.77	\$ 253.40	3.00
Hyatt, Russell	Senior Project Manager PSM	\$ 68.24	\$ 121.19	\$ 15.15	\$ 204.59	3.00
Christy, Shane	Project Manager, PSM	\$ 48.08	\$ 85.39	\$ 10.68	\$ 144.15	3.00
Whightsel, Christopher	Survey Tech/CADD	\$ 36.00	\$ 63.94	\$ 7.99	\$ 107.93	3.00
Matthews, John	Survey Tech/CADD	\$ 34.00	\$ 60.38	\$ 7.55	\$ 101.93	3.00
Miller, Ronald	Survey Tech/CADD	\$ 27.00	\$ 47.95	\$ 6.00	\$ 80.95	3.00
Lambert, Ryan	Survey Tech/CADD	\$ 27.00	\$ 47.95	\$ 6.00	\$ 80.95	3.00
Jones, Michael	Survey Tech/CADD	\$ 20.50	\$ 36.41	\$ 4.55	\$ 61.46	3.00
Wheeler, Mike	Survey Party Chief	\$ 29.00	\$ 51.50	\$ 6.44	\$ 86.94	3.00
Knorr, Nathan	Survey Party Chief	\$ 25.25	\$ 44.84	\$ 5.61	\$ 75.70	3.00
Ell, Mike	Survey Party Chief	\$ 24.00	\$ 42.62	\$ 5.33	\$ 71.95	3.00
Long, Steven	Survey Party Chief	\$ 21.50	\$ 38.18	\$ 4.77	\$ 64.46	3.00
Gay, Taylor	Survey Party Chief	\$ 20.00	\$ 35.52	\$ 4.44	\$ 59.96	3.00
Rimes, Derik	Survey Party Chief	\$ 20.25	\$ 35.96	\$ 4.50	\$ 60.71	3.00
Hooks, Brian	Field Technician II	\$ 19.00	\$ 33.74	\$ 4.22	\$ 56.96	3.00
Knauer, Pete	Field Technician II	\$ 16.50	\$ 29.30	\$ 3.66	\$ 49.47	3.00
Truluck, Darlene	Field Technician I	\$ 15.00	\$ 26.64	\$ 3.33	\$ 44.97	3.00
Scott, Brad	Field Technician I	\$ 13.75	\$ 24.42	\$ 3.05	\$ 41.22	3.00
Mahofski, Paul	Field Technician I	\$ 11.50	\$ 20.42	\$ 2.55	\$ 34.48	3.00
Strong, Darlena	Admin	\$ 24.00	\$ 42.62	\$ 5.33	\$ 71.95	3.00
Doyen, Sue	Admin	\$ 15.00	\$ 26.64	\$ 3.33	\$ 44.97	3.00

Tierra Inc
Salary Calculations TIA Remain Over Night Aircraft Parking Aprons 8325-19 and 8325-20

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead (\$/hr)	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
			174.21%	9%		
Larry P Moore	Project Manager	\$ 70.13	\$ 122.17	\$ 17.31	\$ 209.61	2.99
Graham Zoeller	Project Manager	\$ 48.08	\$ 83.76	\$ 11.87	\$ 143.71	2.99
James Gibbs	Project Manager	\$ 43.27	\$ 75.38	\$ 10.68	\$ 129.33	2.99
Kevin Lo	Sr Engineer	\$ 71.05	\$ 123.78	\$ 17.53	\$ 212.36	2.99
Manny Valdes	Chief Scientist	\$ 50.96	\$ 88.78	\$ 12.58	\$ 152.31	2.99
Mike Bair	Chief Scientist	\$ 54.64	\$ 95.19	\$ 13.48	\$ 163.31	2.99
Kevin Scott	Sr Project Engineer	\$ 62.23	\$ 108.41	\$ 15.36	\$ 186.00	2.99
Erick Frederick	Sr Project Engineer	\$ 54.73	\$ 95.35	\$ 13.51	\$ 163.58	2.99
Marc Novak	Sr Project Engineer	\$ 60.47	\$ 105.34	\$ 14.92	\$ 180.74	2.99
Dan Ruel	Geotechnical Engineer	\$ 36.13	\$ 62.94	\$ 8.92	\$ 107.99	2.99
Thomas Musgrave	Geotechnical Engineer	\$ 44.05	\$ 76.74	\$ 10.87	\$ 131.66	2.99
Chris Garth	Sr Scientist	\$ 43.76	\$ 76.23	\$ 10.80	\$ 130.79	2.99
Jeff Berg	Sr Engineering Tech	\$ 32.00	\$ 55.75	\$ 7.90	\$ 95.64	2.99
Dimitrios Silas	Sr Engineering Tech	\$ 29.00	\$ 50.52	\$ 7.16	\$ 86.68	2.99
Sam Awad	Geotech Technician	\$ 25.16	\$ 43.83	\$ 6.21	\$ 75.20	2.99
Katie Waterman	Designer/Sr Eng Tech	\$ 27.81	\$ 48.45	\$ 6.86	\$ 83.12	2.99
Susanne Webb	Designer	\$ 34.03	\$ 59.28	\$ 8.40	\$ 101.71	2.99
Brian Sawaska	Designer	\$ 38.60	\$ 67.25	\$ 9.53	\$ 115.37	2.99
Ashley Arnold	Clerical	\$ 38.77	\$ 67.54	\$ 9.57	\$ 115.88	2.99
Kristin Gaebel	Clerical	\$ 20.50	\$ 35.71	\$ 5.06	\$ 61.27	2.99
Brittany Garcia	Clerical	\$ 23.80	\$ 41.46	\$ 5.87	\$ 71.14	2.99
Larry Webb	CEI Sr Inspector	\$ 24.00	\$ 41.81	\$ 5.92	\$ 71.73	2.99
Lloyd Pelfrey	CEI Sr Inspector	\$ 31.50	\$ 54.88	\$ 7.77	\$ 94.15	2.99
Kurt Gabriel	CEI Sr Inspector	\$ 23.50	\$ 40.94	\$ 5.80	\$ 70.24	2.99
Arnold Ellerbee	CEI Sr Inspector	\$ 23.00	\$ 40.07	\$ 5.68	\$ 68.74	2.99
Rufus Bailey	CEI Inspector	\$ 17.00	\$ 29.62	\$ 4.20	\$ 50.81	2.99

Tierra Inc
 Salary Calculations TIA Remain Over Night Aircraft Parking Aprons 8325-19 and 8325-20 - Field Multipliers Only

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead (\$/hr)	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
			110.41%	10%		
Jeff Berg	Sr Engineering Tech	\$ 32.00	\$ 35.33	\$ 6.73	\$ 74.06	2.31
Dimitrios Silas	Sr Engineering Tech	\$ 29.00	\$ 32.02	\$ 6.10	\$ 67.12	2.31
Sam Awad	Geotech Technician	\$ 25.16	\$ 27.78	\$ 5.29	\$ 58.23	2.31
Ashley Arnold	Clerical	\$ 38.77	\$ 42.81	\$ 8.16	\$ 89.73	2.31
Kristin Gaebel	Clerical	\$ 20.50	\$ 22.63	\$ 4.31	\$ 47.45	2.31
Brittany Garcia	Clerical	\$ 23.80	\$ 26.28	\$ 5.01	\$ 55.09	2.31
Larry Webb	CEI Sr Inspector	\$ 24.00	\$ 26.50	\$ 5.05	\$ 55.55	2.31
Lloyd Pelfrey	CEI Sr Inspector	\$ 31.50	\$ 34.78	\$ 6.63	\$ 72.91	2.31
Arnold Ellerbee	CEI Sr Inspector	\$ 23.00	\$ 25.39	\$ 4.84	\$ 53.23	2.31
Rufus Bailey	CEI Inspector	\$ 17.00	\$ 18.77	\$ 3.58	\$ 39.35	2.31
Derret King	CEI Inspector	\$ 19.56	\$ 21.60	\$ 4.12	\$ 45.27	2.31
Earl Jacobson	CEI Inspector	\$ 23.00	\$ 25.39	\$ 4.84	\$ 53.23	2.31
Joseph Gac	CEI Inspector	\$ 19.00	\$ 20.98	\$ 4.00	\$ 43.98	2.31
Travis Simpson	CEI Inspector	\$ 18.00	\$ 19.87	\$ 3.79	\$ 41.66	2.31
Edwin Tirado	CEI Inspector	\$ 17.56	\$ 19.39	\$ 3.69	\$ 40.64	2.31
Ed Garrison	CEI Inspector Aid	\$ 19.00	\$ 20.98	\$ 4.00	\$ 43.98	2.31
Mujaahidsaleem Saleem I Abdullah	CEI Inspector Aid	\$ 15.00	\$ 16.56	\$ 3.16	\$ 34.72	2.31
Victor Hosey	CEI Inspector Aid	\$ 18.50	\$ 20.43	\$ 3.89	\$ 42.82	2.31
Nick Suarez	CEI Inspector Aid	\$ 21.00	\$ 23.19	\$ 4.42	\$ 48.60	2.31
Paul Hartbarger	Inspector	\$ 22.60	\$ 24.95	\$ 4.76	\$ 52.31	2.31
Larry Heitman	Inspector	\$ 21.50	\$ 23.74	\$ 4.52	\$ 49.76	2.31
Javier De La Cerde	Inspector	\$ 18.75	\$ 20.70	\$ 3.95	\$ 43.40	2.31

ECHO OH Rates and Multiplier Sheet

Name	Job Title	Raw Rate (\$/hour)	FAR Audited Overhead	Profit (\$/hour)	Hourly Billing Rate (\$/hr)	Billing Multiplier
ECHO UES, Inc.			174.00%	10.0%		
Jerry Comellas	Principle	\$ 57.69	\$ 100.38	\$ 15.81	\$ 173.88	3.01
Jason Stanley	SUE Project Manager	\$ 57.69	\$ 100.38	\$ 15.81	\$ 173.88	3.01
Mike Patterson	SUE Professional Surveyor	\$ 57.69	\$ 100.38	\$ 15.81	\$ 173.88	3.01
Adam Berry	SUE Professional Surveyor	\$ 38.13	\$ 66.35	\$ 10.45	\$ 114.92	3.01
Abel Paoli	SUE Surveyor/CADD Technician	\$ 32.00	\$ 55.68	\$ 8.77	\$ 96.45	3.01
Christina Umpervitch	SUE Surveyor/CADD Technician	\$ 29.00	\$ 50.46	\$ 7.95	\$ 87.41	3.01
Eduardo Estremadoyro	SUE Surveyor/CADD Technician	\$ 22.00	\$ 38.28	\$ 6.03	\$ 66.31	3.01
Jessica Pieske	SUE Administrative Assistant	\$ 29.38	\$ 51.12	\$ 8.05	\$ 88.55	3.01
Kevin Kurtz	SUE/Survey Technician III	\$ 47.04	\$ 81.85	\$ 12.89	\$ 141.78	3.01
Mike Albanese	SUE Technician III	\$ 47.03	\$ 81.83	\$ 12.89	\$ 141.75	3.01
Bruce Dyson	SUE/Survey Technician II	\$ 25.00	\$ 43.50	\$ 6.85	\$ 75.35	3.01
Jonathan Padgett	SUE/Survey Technician II	\$ 23.69	\$ 41.22	\$ 6.49	\$ 71.40	3.01
Elizer Rivera	SUE Technician II	\$ 23.69	\$ 41.22	\$ 6.49	\$ 71.40	3.01
Lenie Martinez	Survey Technician II	\$ 22.00	\$ 38.28	\$ 6.03	\$ 66.31	3.01
Darryl Walls	SUE Technician II	\$ 22.00	\$ 38.28	\$ 6.03	\$ 66.31	3.01
Jody Padgett	SUE Technician II	\$ 20.09	\$ 34.96	\$ 5.50	\$ 60.55	3.01
Justin Abrams	SUE Technician II	\$ 18.00	\$ 31.32	\$ 4.93	\$ 54.25	3.01
Travis Gray	SUE Technician II	\$ 16.02	\$ 27.87	\$ 4.39	\$ 48.28	3.01
Erik Bennett	SUE Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
Michael Albanese, Jr.	SUE Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
Jai Hunter, Jr.	SUE Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
Jerry Mulrone	SUE Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
Andy Trayner	Survey Technician III	\$ 44.57	\$ 77.55	\$ 12.21	\$ 134.33	3.01
Louis Verticals, Jr.	Survey Technician III	\$ 27.00	\$ 46.98	\$ 7.40	\$ 81.38	3.01
Robert Kerr	Survey Technician III	\$ 26.78	\$ 46.60	\$ 7.34	\$ 80.71	3.01
Pete Pell Jr.	Survey Technician III	\$ 25.00	\$ 43.50	\$ 6.85	\$ 75.35	3.01
Lenie Martinez	Survey Technician II	\$ 22.00	\$ 38.28	\$ 6.03	\$ 66.31	3.01
Chad Allman	Survey Technician II	\$ 19.20	\$ 33.41	\$ 5.26	\$ 57.87	3.01
Kelmin Ferrera Chall	Survey Technician II	\$ 16.00	\$ 27.84	\$ 4.38	\$ 48.22	3.01
Edward Cooley, Jr.	Survey Technician II	\$ 16.00	\$ 27.84	\$ 4.38	\$ 48.22	3.01
Randy Hill	Survey Technician I	\$ 15.00	\$ 26.10	\$ 4.11	\$ 45.21	3.01
Jai Hunter, Jr.	Survey Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
Matt Littlefield	Survey Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
George Feliz	Survey Technician I	\$ 14.00	\$ 24.36	\$ 3.84	\$ 42.20	3.01
Omar Ocasio	Survey Technician I	\$ 14.50	\$ 25.23	\$ 3.97	\$ 43.70	3.01
James Whitesell	Survey Technician I	\$ 13.00	\$ 22.62	\$ 3.56	\$ 39.18	3.01
SUE (Designating) Crew	Staff, Truck, Equipment, Travel	\$ 66.67	\$ 116.01	\$ 18.27	\$ 200.95	3.01
SUE (Locating) Crew	Staff, Truck, Equipment, Travel	\$ 79.17	\$ 137.76	\$ 21.69	\$ 238.63	3.01
SUE (Survey) Crew	Staff, Truck, Equipment, Travel	\$ 56.26	\$ 97.88	\$ 15.41	\$ 169.55	3.01
SUE (Nightwork) Crew	Staff, Truck, Equipment, Travel	\$ 118.76	\$ 206.64	\$ 32.54	\$ 357.94	3.01



Hillsborough County Aviation Authority
PO Box 22287
Tampa, FL 33622
Telephone: 813-870-8700

E-Verify Certification

Solicitation No. 19-411-005

Remain Overnight Aircraft Parking Aprons

This certification is required in accordance with the State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status).

The State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status), and any projects with Florida Department of Transportation (FDOT) funding as part of a Joint Participation Agreement between FDOT and the Authority, require, as a condition of all contracts for the provision of goods or services, an express requirement that contractors utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor during the term of the contract, and an express requirement that contractors include in subcontracts the requirement that subcontractors performing work or providing services pursuant to the contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

Company: _____ FID or EIN No.: _____

Address: _____ City/State/Zip: _____

I, _____, as a representative of _____,
certify and affirm that this company will comply with the E-Verification requirements of Executive
Order Number 11-116.

Signature Title

Printed Name Date

[Affix Corporate Resolution if not signed by the President or Vice President of the Company]