

CONTRACT FOR DESIGN PROFESSIONAL SERVICES
FOR PROJECT NOS. 8650 26, 8660 26 & 8665 26

BETWEEN

HILLSBOROUGH COUNTY AVIATION AUTHORITY

AND

AECOM TECHNICAL SERVICES, INC.

DATED NOVEMBER 6, 2025

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ATTACHMENT 5 – AFFIDAVIT OF COMPLIANCE WITH ANTI-HUMAN TRAFFICKING LAWS

TPA / Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R and Associated Taxiways, & Northwest Remain Overnight Parking Apron

CONTRACT FOR DESIGN PROFESSIONAL SERVICES

This Contract for Design Professional Services (Contract) is made and entered into this 6th day of November, 2025 by and between the Hillsborough County Aviation Authority, an independent special district under the laws of the State of Florida (Owner), and AECOM Technical Services, Inc., a California corporation, authorized to do business in the State of Florida (Design Professional).

Normal civil, structural, environmental, geotechnical, mechanical and electrical engineering services will be provided contractually through the Design Professional as indicated below by the following firms:

AtkinsRealis USA Inc., AVCON, Inc., TranSolutions, LLC, Mohsen Design Group Incorporated, Tierra, Inc., Northwest Surveying, Inc., Element Engineering Group, LLC & Tierra South Florida, Inc. d/b/a TSFGeo.

The Owner and the Design Professional hereby agree as follows:

ARTICLE 1 PROJECT

The Project, is as follows:

Entitled "Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R and Associated Taxiways, & Northwest Remain Overnight Parking Apron, Authority Project Nos. 8650 26, 8660 26 & 8665 26" (Project). The Work is the construction of the Project (Work).

ARTICLE 2 CONTRACT ADMINISTRATION

This Contract will be administered by the Owner's Chief Executive Officer, Vice President of Planning and Development, or assigned designee.

ARTICLE 3 DESIGN PROFESSIONAL

- 3.1 The services that the Design Professional will provide to the Owner under this Contract will be in accordance with Section 287.055, Florida Statutes, and will be in general accordance with the Owner's Request for Qualifications dated May 7, 2025, entitled "Request for Qualifications for Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R and Associated Taxiways at Tampa International Airport, Tampa, Florida", the Design Professional's response to the Owner's Request for Qualifications dated June 18, 2025, entitled "Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R

and Associated Taxiways”, which are both incorporated herein by reference, the Design Professional’s Fee and Scope Proposal dated October 24, 2025, entitled HCAA Project Number 8650 26 R/W 1R-19L and T/W C Reconstruction & HCAA Project Number 8660 26 Rehabilitate R/W 1L-19R Complex & HCAA Project Number 8665 26 Northwest Remain Overnight Parking Apron” which is attached hereto as Attachment 1 and incorporated herein by reference and all work orders and will include all things necessary to design and support the Project (collectively Services). 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 the Design Professional’s associated Fee and Scope Proposal
 - 3.1.3 The Owner’s Request for Qualifications
 - 3.1.4 Relevant portions of the Design Professional’s response to Request for Qualifications
- 3.2 All design Services provided by or through the Design Professional pursuant to this Contract must be performed by qualified design professionals (Designers). The Design Professional designates Dennis Combs, P.E., whose business address is 7650 W Courtney Campbell Causeway Tampa FL 33607, 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. The Design Professional designates Andy Kacer, P.E., whose title is Vice President, and whose business address is 7650 W Courtney Campbell Causeway Tampa FL 33607, 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. Any replacement of the Project Manager will be subject to the prior approval and acceptance of the Owner.
- 3.3 The contracts between the Design Professional and the Designers, subconsultants, subcontractors or suppliers, and any subsequent modifications thereto, must be in writing. These contracts, including financial arrangements with respect to the Project, must be promptly and fully disclosed to the Owner upon request and must have met all requirements for openness and a non-restrictive solicitation process. Though the contractual obligations of such professional persons or entities are undertaken and performed in the interest of the Design Professional, it is expressly acknowledged and agreed by the Design Professional that the Owner will be identified as an intended third-party beneficiary of the contracts between the Design Professional and Designers, subconsultants, subcontractors, and suppliers.
- 3.4 The Design Professional will visit the Project site, become familiar with the local conditions, and correlate observable conditions with the requirements of the Owner’s Project, schedule, and budget.

- 3.5 The Design Professional will provide a preliminary evaluation of the Owner's Project and Project budget requirements, each in terms of the other. The Design Professional will submit to the Owner, for the Owner's approval, the Design Professional's plan for construction cost estimating for use in estimating costs at 30%, 60%, 90% and development of the final construction cost estimate. Construction budgets and cost estimates must be prepared by qualified professionals, cost estimators or contractors under the authority of the Design Professional.
- 3.6 The Design Professional will be responsible to the Owner for acts and omissions of the Design Professional's officers, employees, agents, volunteers, Designers, subconsultants, subcontractors, suppliers, invitees, or any other person, directly or indirectly, employed or utilized by the Design Professional, including the Designers and others, performing any portion of the Design Professional's Services or obligations under this Contract.
- 3.7 Prior to the Design Professional's termination of the services of any subconsultant, subcontractor, or supplier designated in this Contract, the Design Professional will identify to the Owner in writing another subconsultant, subcontractor, or supplier, with respect to whom the Owner has no reasonable objection, who will provide the services originally to have been provided by the Designer whose services are being terminated.
- 3.8 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 subconsultant, subcontractors, or supplier or any personnel of any such Designer, subconsultant, subcontractor, or supplier engaged by the Design Professional to provide and perform Services 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.
- 3.9 The Design Professional will be solely responsible for the technical completeness and accuracy of all Services performed under this Contract.
- 3.10 The Design Professional will comply fully with all applicable federal, state, county, municipal, and other governmental laws, including but not limited to, 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 (Florida Green Book), Manual on Uniform Traffic Control Devices and requirements, FAA Advisory Circulars, TSA Security Directives, local ordinances, zoning, and permitting requirements, public notice requirements, and other similar requirements and Owner's Rules and Regulations, Policies, Standard Procedures, and Operating Directives (Law(s)). Any projects with FDOT funding require the Design

Professional to comply with all applicable provisions of the FDOT Public Transportation Grant Agreement. Any projects with Federal funding require the Design Professional to comply with all applicable provisions of the Federal Grant Agreement. The Design Professional will comply fully with HCAA's Design Criteria Manual. The Design Professional is required to provide all information and supporting documentation required to enable the Owner to receive or comply with any applicable state or federal grants.

The Design Professional will obtain all necessary permits, pay all required charges, fees, and taxes, and otherwise perform these Services in a legal manner. If any construction occurs on FDOT right of way, the Design Professional shall comply with all FDOT requirements contained in the FDOT Public Transportation Grant Agreement.

If the Design Professional believes or is advised by a Designer to provide Services on the Project that implementation of which would cause a violation of any applicable Law, the Design Professional must promptly notify the Owner in writing. Neither the Design Professional nor the Designer will be obligated to perform any act which violates any applicable Law.

3.11 The Design Professional will review Laws applicable to the 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 Project will be accomplished by appropriate written modification and 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:

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

3.11.2 The plans, specifications, construction contract documents, and any and all other engineering, construction, and contractual documents are consistent with the intent of the Project as defined in the FDOT Public Transportation Grant Agreement or other applicable Federal Grant Agreement.

3.11.3 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 has been performed.

3.11.4 The plans, specifications, construction contract documents, and any and all other engineering, construction, and contractual documents comply with all applicable Laws.

- 3.12 Nothing contained in this Contract will create a contractual relationship between the Owner and any person or entity other than the Design Professional, except for the third-party beneficiary obligation set forth in Paragraph 3.3 above.
- 3.13 Press releases or other specialized publicity documents, including the Design Professional's advertising and news bulletins, which are related to this Contract and are intended by the Design Professional for the press, broadcasting, or television, will be drawn up in consultation with the Owner. Except as otherwise required by Law, the Design Professional will not release or distribute any materials or information relating to this Contract or containing the name of the Owner or any of its employees without prior written approval by the Owner's Vice President of Planning and Development. The Design Professional shall incorporate the terms of this provision into all of its contracts, subcontracts, and other agreements of any tier and require all Designers, subconsultants, subcontractors, or suppliers to similarly incorporate the terms of this provision in their agreements.
- 3.14 The Design Professional will review with the Owner alternative approaches to the design and construction of the Project.
- 3.15 The Basic Services to be performed must commence on the date established in an executed work order and must be completed in accordance with the Design Professional's Fee and Scope Proposal and the applicable executed work order. 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, the 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. Supporting backup of the work classification, raw rates, overhead, and weighted rate calculation (or other agreed-upon rates) will be submitted in Microsoft Excel format when the work order is submitted.
- 3.16 Additional Services described below will be provided by the Design Professional and paid for by the Owner if authorized and confirmed in writing by the Owner.
- 3.16.1 Making revisions in the final design documents, budget, or other documents when such revisions are not the result of the fault or neglect of the Design Professional or anyone for whom the Design Professional is responsible and are:

- 3.16.1.1 Inconsistent with approvals or instructions previously given by the Owner, including substantial revisions made necessary by adjustments in the Owner's Project or Project budget;
 - 3.16.1.2 Due to substantial changes required as a result of the Owner's failure to render decisions in a timely manner.
 - 3.16.2 Providing more extensive programmatic criteria than that furnished by the Owner.
 - 3.16.3 Providing such other services that may be required for the successful completion of the Project as directed by the Owner, not otherwise covered herein.
- 3.17 When the Owner's construction contractor (Contractor) considers that the whole Work, or a portion thereof designated in the construction contract documents for separate completion, is complete, the Contractor shall notify the Owner and Design Professional in writing of the completion of the portion or the whole of the construction; and for all design services 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 the 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.
- 3.18 USE OF ARTIFICIAL INTELLIGENCE
 - 3.18.1 Artificial Intelligence (AI) means any machine learning, deep learning, or other automated systems that use algorithms to learn from and make predictions or decisions based on data.
 - 3.18.2 The Owner's Project Information includes all data, drawings, specifications, reports, and any other information provided by the Owner or generated by the Owner or the Design Professional in the course of the Work or Project.
 - 3.18.3 Any use of AI including, but not limited to generative AI, via platforms, tools, and software must be consistent with the Owner's Policies, Standard Procedures, Rules and Regulations, and applicable Laws.

- 3.18.4 To maintain the security of the Owner's data and IT systems, the Design Professional is prohibited from attempting to gain access to unapproved AI applications when using the Owner's data. To avoid potential data leaks or security incidents, the Design Professional is prohibited from inputting, uploading, or otherwise integrating any of the Owner's Project Information into AI without the prior written consent of the Owner following the Design Professional's request for approval to use AI. Examples of uses that are prohibited unless the Owner grants prior written consent include but are not limited to: design, planning, decision making and on-site operations.
- 3.18.5 The Design Professional acknowledges and agrees that any of the Owner's data obtained using AI technology is the property of the Owner, and the Design Professional shall not use such data for any purpose other than to provide the contracted Services to the Owner. Specifically, the Design Professional shall not use the Owner's data as training data for any AI models or algorithms that will be used by any third-party organization or individual outside of the Design Professional, without the express written consent of the Owner. The Design Professional shall take reasonable measures to ensure that the Owner's data is not inadvertently used as training data for any third-party AI models or algorithms and shall promptly notify the Owner in the event of any unauthorized use or disclosure of the Owner's data.
- 3.18.6 The Design Professional's request for approval to use AI must be submitted in writing and contain the following:
- 3.18.6.1 The specific Owner's Project Information to be used;
 - 3.18.6.2 The purpose and intended use of the AI;
 - 3.18.6.3 The potential benefits and risks associated with using the AI;
 - 3.18.6.4 The measures in place to ensure data security and confidentiality;
 - 3.18.6.5 The mechanisms in place for ensuring compliance with applicable Laws, including but not limited to data privacy and data protection laws; and
 - 3.18.6.6 A dataflow diagram which illustrates the flow of data within the Project as well as detailed identification of data sources, data stores, data processing, networks, and AI utilized.
- 3.18.7 The Owner shall have sole and absolute discretion to approve or deny the use of AI for any aspect of the Project or the Work.

- 3.18.8 To maintain the confidentiality of the Owner's data, the Design Professional must only share information with approved personnel and must not input Sensitive Security Information (SSI) into AI systems. The Design Professional should not input the Owner's intellectual property into non-approved generative AI applications or enter Personally Identifiable Information (PII) for the Owner's employees, customers, or other third-parties into any non-approved AI application. The Design Professional should contact the Owner's Vice President of Planning and Development if it is unsure whether it should input certain information.
- 3.18.9 The Design Professional must implement robust security measures to protect the Owner's Project Information from unauthorized access, use or disclosure. This includes but is not limited to: Encryption of data in both transit and at rest; access controls limiting data access to authorized personnel only; and regular security audits and assessments.
- 3.18.10 To maintain transparency and protect the Owner from claims against copyright infringement and/or theft of intellectual property, all AI generated content must be cited and reviewed when used for the Owner's purposes. At a minimum, a footnote stating "This content generated with the assistance of AI" should exist on any document or work product created with the assistance of AI. The Design Professional should clearly attribute any output to the AI application that created the output through a footnote or other means visible to any reader or user. The Design Professional should also maintain a record of AI use that can be shared with the Owner's authorized personnel upon request. The Design Professional will provide the Owner with regular reports detailing any use of AI involving the Owner's Project Information including any incidents of unauthorized access or breaches. The Design Professional must be able to demonstrate that AI has controlled bias and third-party infringement mitigation in place.
- 3.18.11 The Design Professional should not use AI applications to create text, audio, or visual content for purposes of committing fraud or misrepresenting an individual's identity.
- 3.18.12 The Design Professional is fully liable for any damages arising out of use of AI and the Owner's Project Information.
- 3.18.13 Upon Final Completion or termination of the Contract, the Design Professional agrees to return all of the Owner's Project Information to the Owner and securely destroy any copies in its possession, including those stored in any AI or other databases.

3.19 OWNER'S IT INFRASTRUCTURE

3.19.1 Information Technology (IT) Infrastructure refers to the hardware, software, networks, data centers, and facilities that support the delivery of IT services and enable the operation of an organization's information systems.

3.19.1.1 Background Check Requirement: The Design Professional agrees to conduct background checks, as set out below, on all employees, contractors, and subcontractors who will have access to the Owner's IT Infrastructure, whether directly or remotely. These background checks must be completed prior to granting such access and must be updated annually thereafter.

3.19.1.2 Scope of Background Checks: The background checks must include, at a minimum:

3.19.1.2.1 Verification of identity

3.19.1.2.2 Criminal history checks using the guidelines required in Airport Security 49 CFR 1542

3.19.1.2.3 Employment history verification

3.19.1.2.4 Education and qualification verification

3.19.1.3 Certification of Compliance: The Design Professional shall provide the Owner a written certification on an annual basis, signed by an officer duly authorized to sign on behalf of the Design Professional, verifying compliance with the background check requirements outlined in this Contract. The certification must confirm that all Design Professional personnel with access to the Owner's IT Infrastructure have passed the background checks and do not have any disqualifying offenses, as stated in Airport Security 49 CFR 1542.

3.19.1.4 Right to Audit: The Owner reserves the right to audit the Design Professional's background check processes and records to ensure compliance with this Contract. Such audits may be conducted upon reasonable notice and during the Owner's business hours.

Immediate Termination: The Owner reserves the right to immediately terminate access to the Owner's IT Infrastructure for any Design Professional personnel who are found to have disqualifying offenses as stated in Airport Security 49 CFR 1542, or if the Design Professional fails to comply with these background check requirements.

ARTICLE 4 OWNER

- 4.1 The term Owner includes the Owner's other authorized representative(s) as provided by the Owner in writing.
- 4.2 The Owner will provide full information in a timely manner, as requested by the Design Professional, regarding requirements for the Project, including a written plan which will set forth the Owner's objectives, schedule, constraints, and criteria. The Owner will designate a representative authorized to act on the Owner's behalf with respect to the Project.
- 4.3 The Owner will establish and update an overall budget for the Project, including reasonable contingencies. This budget will not constitute the contract sum for design or construction.
- 4.4 The Owner will render decisions pertaining to Project Documents submitted by the Design Professional in a timely manner in order to avoid unreasonable delay in the orderly and sequential progress of the Design Professional's services. The Owner may obtain an independent review of the Project Documents by a separate architect, engineer, contractor, or cost estimator under contract to or employed by the Owner. Such independent review will be undertaken at the Owner's expense in a timely manner so as not to unreasonably delay the orderly progress of the Design Professional's services. The Design Professional will ensure Owner is provided reasonably adequate time that permits the Owner to render its decisions and conduct independent reviews of Project Documents in a timely manner.
- 4.5 Upon written request, the Owner will make available record documents and drawings in its possession, of which it is aware, for any existing buildings and/or facilities. To the extent known and in its possession, the Owner will make available to the Design Professional prior to and during the performance of the Services record documents and drawings pertaining to the existing buildings and/or facilities relative to this Project. Record documents and drawings will not be considered a part of the Contract. The Owner does not warrant to the Design Professional the accuracy or completeness of such record documents and drawings and the Design Professional will be solely responsible for all assumptions made in reliance thereupon. Record documents and drawings are not warranted or intended to be complete depictions of existing conditions, nor do they necessarily indicate concealed conditions. The locations of electrical conduit, telephone lines and conduit, computer cables, FAA cables, storm lines, sanitary lines, irrigation lines, gas lines, mechanical apparatus and appurtenances, HVAC piping/ductwork, and plumbing may only appear schematically, if at all, and the actual location of such equipment and lines is in many cases unknown.

- 4.6 Upon written request, the Owner will endeavor to disclose the results and reports of prior tests, inspections, or investigations conducted for the Project involving: structural or mechanical systems; chemical, air, and water pollution; hazardous materials; or other environmental and subsurface conditions. Upon written request, the Owner will endeavor to disclose information known to the Owner regarding the presence of pollutants at the Project site. The Owner does not warrant the accuracy or completeness of any such information and accepts no responsibility therefore and the Design Professional will be solely responsible for all assumptions made in reliance thereupon.
- 4.7 The Owner will furnish all legal, accounting, insurance, and other professional counseling services as the Owner may require for itself at any time for the Project, including such services as are needed to verify the Design Professional's invoices.
- 4.8 The Owner, with assistance from the Design Professional, will endeavor to obtain easements, license agreements, zoning variances, and legal authorizations regarding Project site utilization where essential to the execution of the Project.
- 4.9 Those services, information, surveys, and reports described in Paragraphs 4.5 through 4.8 which are within the Owner's control will be furnished at the Owner's expense and are not part of the Contract. The Owner does not warrant or certify the accuracy or completeness of any services, information, surveys, or reports.
- 4.10 The Owner may communicate with persons or entities employed or retained by the Design Professional unless otherwise instructed for reasonable cause not to do so in writing by the Design Professional.

ARTICLE 5

TIME

- 5.1 Time is of the essence. Services to be rendered by the Design Professional will commence subsequent to the execution of this Contract by the effective date of an executed work order issued by the Owner. The Owner reserves the right to stop and start the Services or cancel or postpone any executed work order or portion thereof at any time following seven days written notice to the Design Professional. Any delay to the Design Professional resulting therefrom will be handled in accordance with Paragraph 5.4 below. Notwithstanding anything in the contrary in this Contract, time is of the essence with respect to the performance of this Contract
- 5.2 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.

- 5.3 Upon the request of the Owner, the Design Professional will prepare a schedule for the performance of the Basic and Additional Services which will not exceed the time limits contained in the Design Professional's Fee and Scope Proposal or work order and will include reasonably sufficient time required for the Owner's review and approval of submissions by authorities having jurisdiction over the Project.
- 5.4 If the Design Professional is delayed in the performance of critical path Services under this Contract through no fault of the Design Professional, any applicable schedule will be adjusted.

No claim for damages or any claim other than for an extension of time will be made or asserted against the Owner by reason of any Delay, whether such Delay is related to (i) late or early completion, (ii) delay in the commencement, prosecution or completion of the Design Professional's Services, (iii) hindrance or obstruction in the performance of the Design Professional's Services, (iv) loss of productivity, or (v) other similar claims (collectively Delay), whether or not such Delay is foreseeable, unless the Delay is caused by acts of the Owner constituting fraud or active interference with the Design Professional's performance of its Services, and only to the extent such acts continue after the Design Professional furnishes the Owner with notice of such fraud or interference. The Design Professional will not be entitled to an increase in the Contract Sum or payment or compensation of any kind from the Owner for direct, indirect, consequential, impact, or other costs, expenses, or damages, including but not limited to, damages related to loss of business, loss of opportunity, impact damages, loss of financing, principal office overhead and expenses, loss of profits, loss of bonding capacity and loss of reputation; costs of acceleration or inefficiency arising because of Delay, disruption, interference or hindrance from any cause whatsoever; provided, however, that this provision will not preclude recovery of direct and actual damages by the Design Professional for hindrances or delays due solely to fraud or active interference on the part of the Owner. Otherwise, the Design Professional may be entitled only to extensions of time as the sole and exclusive remedy for such resulting Delay, in accordance with and to the extent specifically provided above. The Owner's exercise of any of its rights or remedies under the Contract documents (including but not limited to, order changes in the Services, stop work orders, directing suspension, rescheduling, or correction of the Services), regardless of the extent or frequency of Owner's exercise of such rights or remedies, shall not be construed as active interference with the Design Professional's performance of the Services. The Design Professional will incorporate the terms of this Paragraph into all of its Designer, subconsultant, subcontractor, and supplier agreements and require all Designers, subconsultants, subcontractors, and suppliers to similarly incorporate such terms into their agreements related to the Project.

ARTICLE 6
PAYMENTS AND BASIS OF COMPENSATION

6.1 PAYMENTS

- 6.1.1 The Owner will compensate the Design Professional for the Services rendered under this Contract, as described in Attachment 1.
- 6.1.2 The amount for the performance of Basic Services, Additional Services, and Reimbursable Expenses required under this Contract will be in a not to exceed amount of Forty One Million Three Hundred Seventy Eight Thousand One Hundred Fifty and No One-Hundredth Dollars (\$41,378,150), which includes all fees for Designers, subconsultants, subcontractors, and suppliers.
- 6.1.3 Payments for Basic Services, Additional Services, and Reimbursable Expenses provided for in this Contract will be made monthly on the basis set forth below.
- 6.1.4 With the exception of the month of September, all invoices will be submitted to the Authority by the twenty-fifth of each month. If the twenty-fifth of the month falls on a Saturday or Sunday or holiday, invoices are due the first business day prior to the twenty-fifth of that month. Payment will be made by the twenty-fifth of the following month. Invoices submitted more than 20 days prior to the twenty-fifth of the month will be rejected and returned. Due to the end of fiscal year financial closeout, September invoices will be submitted by September 15th, and if the 15th falls on a Saturday or Sunday, applications for payment are due the first business day prior and subsequent payments will be made the second Thursday of October. Such invoices submitted more than 20 days prior to September 15th will be rejected and returned.
- 6.1.5 The Design Professional will submit to the Owner as directed by the Owner, an executed invoice. The Owner will approve, disapprove, or adjust the Design Professional's invoice within fourteen days after receipt. The Owner will notify the Design Professional in writing of any reasons for withholding payment in whole or in part. Except as noted above with respect to the September invoice, Owner will make payment by the twenty-fifth of the following month in which the invoice was submitted. In accordance with Florida Statutes Sections 255.075 – 255.078, the Design Professional will promptly pay each Designer, subconsultant, subcontractor, or supplier upon receipt of the payment from the Owner. Payment to the Design Professional will release the Owner from any liens or disputes between the Design Professional and the Design Professional's Designers, subconsultants, subcontractors, or suppliers unless expressly reserved in writing by attachment to the invoice.

- 6.1.6 Monthly payments to the Design Professional will in no way imply approval or acceptance of the Design Professional's Services.

6.2 COMPENSATION FOR BASIC SERVICES

- 6.2.1 For Basic Services, compensation will be as follows:

For services performed under Article 3, the total compensation to the Design Professional will be based upon Services completed and supported by monthly progress reports submitted to the Owner.

- 6.2.2 Upon receipt of payment from the Owner, the Design Professional will promptly pay each Designer, subconsultant, subcontractor, or supplier out of the amount paid to the Design Professional, for Designer's, subconsultant's, subcontractor's, or supplier's portion of the Services. The amount to which said Designer, subconsultant, subcontractor, and supplier is entitled should reflect percentages actually retained from payments to the Design Professional on account of such Designer's, subconsultant's, subcontractor's or supplier's portion of the Services. The Design Professional will, by appropriate contract with each Designer, subconsultant, subcontractor, or supplier, require each Designer, subconsultant, subcontractor, or supplier to make payments to their respective sub-subconsultants and sub-subcontractors in a similar manner.

- 6.2.3 Invoiced amounts will be based on the lesser of actual or agreed upon Design Professional's, Designer's, subconsultants', or subcontractors' hourly billing rates included in their submitted and agreed upon rate tables. The hourly billing rates will be multiplied by their actual time billed to the Project as substantiated by backup acceptable to the Owner and supported by monthly progress reports. The rate tables will include the Design Professional's, Designers', subconsultants', and subcontractors' following:

- 6.2.3.1 Most recent audited overhead rates or agreed upon overhead rates;
- 6.2.3.2 Employee's raw labor rates or agreed upon labor rates;
- 6.2.3.3 Negotiated profits; and
- 6.2.3.4 Agreed upon hourly billing rates.

The Design Professional, at its sole discretion, may submit invoices with hourly billing rates that are less than the agreed-upon hourly billing rates. The Owner will pay the Design Professional for the lesser of actual, agreed upon, or billed hourly billing rates of the Design-Professional, Designers, subconsultants, and subcontractors.

The actual hourly billing rate will be comprised of the employee's raw rate, the agreed-upon overhead rate, and the negotiated profit.

- 6.2.4 Invoiced amounts for multiple projects or multiple locations must be identified per project and/or location.
- 6.2.5 A Rate & Hour Verification form (PD84) based on the agreed upon rate tables in Excel format listing the employee's name, employee's classification, and employee's raw rate must be submitted with the Design Professional's invoice submittal. If there are changes such as new employees, new classification, or new raw rate, then an updated rate table spreadsheet in Excel format is required to be submitted. Changes to the agreed-upon rate tables must be indicated on the PD84 and must be approved in writing prior to the invoice or via the invoice process by the Owner.
- 6.2.6 Basic Services performed before the work order's effective date will not be reimbursed.
- 6.2.7 Detailed timesheets from the Design Professional's, Designer's, subconsultant's, or subcontractor's timekeeping system are required to be submitted as supporting backup for all Basic Services invoice amounts. This must include a (1) the date the Services were performed, (2) a description of the Services, (3) the person(s) who performed the Services, (4) the actual time spent on a daily basis documented to the nearest quarter of an hour, (5) the hourly rate, and (6) the actual fee (time spent times hourly rate). Note that the bills are public records and may be subject to disclosure via a public records request. Vague or overly broad descriptions such as "research," "preparation," "review shop drawings," "calculations," or "attend meetings" may not be accepted for payment.
- 6.2.8 Overtime for all Basic Services must be pre-approved by the Owner.
- 6.2.9 Invoices that include Basic Services must be organized to identify the Basic Services being billed at the direction of the Owner.
- 6.2.10 Rebalancing between Basic Services and Reimbursable Expenses 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 for rebalancing.

6.3 COMPENSATION FOR ADDITIONAL SERVICES

- 6.3.1 The compensation for Additional Services under this Contract will be on the basis of the scope of Services and in the amount of fees set forth in a written request of the Owner, which will have resulted from the negotiation of the scope and the fees.

6.4 REIMBURSABLE EXPENSES

- 6.4.1 Reimbursable Expenses will be supported by submitted and approved Designer, subconsultant, subcontractor, or supplier invoices or receipts. Reimbursable expenses must be presented as a package organized in the following manner: Reimbursement Tracking Form and actual invoices identifying item numbers. The Reimbursement Tracking Form is required to be submitted electronically in Excel format, as is the supporting documentation for the submitted Design Professional's Invoice.
- 6.4.2 The Design Professional will be reimbursed at cost for all expenses, in an amount not to exceed the maximum reimbursable amount. As specified hereinafter, the Design Professional's Reimbursable Expenses will include only:
- 6.4.2.1 The cost of securing a geotechnical engineering firm which will perform all soils and sub-surface investigations, tests, reports and recommendations required for the design of the Project.
 - 6.4.2.2 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.
 - 6.4.2.3 The cost of boundary surveys, topographic surveys, land surveys, establishment of boundary and monuments, subsurface utility investigations, field surveys, photogrammetry, control staking and related office computations and drafting.
 - 6.4.2.4 The cost of outside special Designers, subconsultants, subcontractors or suppliers to advise and assist the Design Professional, as approved by the Owner.
 - 6.4.2.5 The cost of reproduction and distribution of plans and specifications and the Project Documents as pre-approved by the Owner.
 - 6.4.2.6 All costs for postage and overnight express delivery and couriers related to the Project.
 - 6.4.2.7 Expenses for parking at Tampa International Airport and transportation related to the Project outside of Hillsborough, Pinellas, and Pasco Counties, including airplane and automobile travel; and the cost of meals and lodging in the event overnight travel related to the Project is required. All travel expenses will be reimbursed upon submitted receipts or as agreed upon in

the travel plan. Only travel expenses incurred in the performance of the Services are reimbursable. The most efficient and economical means of transportation is required. All travel must be pre-approved by the Owner. Unless otherwise agreed to in a pre-approved travel plan, all travel expenses must be incurred in accordance with the Owner's Policy, P412, Travel, Business Development, and Working Meals Expenses. Employee expense sheets are required as well as supporting originals or legible copies of all receipts.

6.4.2.8 Costs for renderings, study models, film, processing, and animations, as pre-approved by the Owner.

6.4.2.9 The costs of all required review fees 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.

6.4.3 The following expenses shall not be reimbursable:

6.4.3.1 Purchases of alcohol.

6.4.3.2 Meals for Owner or local Design Professional, Designer, subconsultant, subcontractor, or supplier staff members.

6.4.3.3 Photocopying costs unless approved by the Owner in writing.

6.4.3.4 Clerical, secretarial, or general administrative time with the exception of technical typing of specifications or technical reports and personnel assigned to the Design Professional's field office.

6.4.3.5 Computer system costs.

6.4.3.6 Interest expenses and late charges.

6.4.3.7 Any type of markup over the actual cost of any item otherwise reimbursable, unless specifically agreed to in writing.

6.4.3.8 Expendable supplies unless approved by the Owner in writing.

6.4.3.9 Entertainment and personal expenses of any kind.

6.4.3.10 Costs incurred by the Design Professional as a result of, or to cure, any breach or violation of this Contract.

- 6.4.3.11 Any part of the Design Professional's capital expenses.
- 6.4.3.12 Amounts required to be paid by the Design Professional for federal, state or local income or franchise taxes.
- 6.4.3.13 Costs of Designers, subconsultants, subcontractors or suppliers unless pre-approved by the Owner in writing.
- 6.4.3.14 Costs to comply with Article 12.
- 6.4.3.15 Time spent in travel, unless actively working on the Project.
- 6.4.3.16 Mileage within the Tri-County Area (Hillsborough, Pinellas, Pasco).
- 6.4.3.17 Reimbursable Expenses incurred before the Contract effective date.

6.5 INVOICES, RECORDS, AND MISCELLANEOUS PAYMENT PROVISIONS

- 6.5.1 One executed invoice for Services, verified to the satisfaction of the Owner, must be submitted by the twenty-fifth of each month electronically to DesignInvoice@TampaAirport.com. The Design Professional will submit with each invoice a detailed accounting of the value of Services performed to date by certified Disadvantaged Business Enterprises (DBEs). This accounting will include the names and addresses of DBEs that have participated, a description of the Services each named DBE has performed, and the value of Work performed by each named DBE. In addition, the Design Professional will submit with each invoice a detailed accounting of the value of Services performed to date by its Designers, subconsultants, subcontractors, and suppliers. This accounting will include the names and addresses of its Designers, subconsultants, subcontractors, and suppliers that have participated, a description of the Work each named Designer, subconsultant, subcontractor, and supplier has performed, and the value of Work performed by each named Designer, subconsultant, subcontractor and supplier. The Design Professional will also submit with each invoice a Rate & Hour Verification Sheet and a Reimbursement Tracking Form, both in Microsoft Excel format.
- 6.5.2 The Design Professional will maintain a detailed, itemized, electronic spreadsheet that includes identifiable references to the actual expense, in a format allowing readership in Microsoft Office products, of all Reimbursable Expenses submitted with each invoice.
- 6.5.3 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.

- 6.5.4 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.
- 6.5.5 The Design Professional agrees to pay each Designer, subconsultant, subcontractor or supplier 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 Designer, subconsultant, subcontractor, or supplier within 10 days after the Designer's, subconsultant's, subcontractor's, or supplier's Services or work are 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 DBE and non-DBE Designers, subconsultants, subcontractors, or suppliers.
- 6.5.6 Invoiced amounts for multiple projects or multiple locations must be identified per project and/or location.
- 6.5.7 All Designer, subconsultant, subcontractor, or supplier signed contracts, and change orders must be submitted at the time of initial billing for each Designer, subconsultant, subcontractor, or supplier. Each contract should be complete and signed by both parties.
- 6.5.8 Payments will not be made for Basic Services, Additional Services, or Reimbursable Expenses that are older than 90 days before the submission of the invoice unless approved in writing by the Owner.
- 6.5.9 Original or 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.
- 6.5.10 Equipment purchased must be identified when being paid. A detailed listing in Excel format must be submitted with the invoice when equipment is purchased. Asset tag(s) may be required to be affixed to equipment in accordance with Owner procedures.
- 6.5.11 No front-loading on progress payments is allowed. Progress Payments are limited to the actual invoiced amounts.
- 6.5.12 Rebalancing between tasks or fees must first be requested with the first overage billing, along with justification 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 balancing.

6.5.13 All permit requirements, acceptable deliverables and badges are required to be submitted seven days before submission of the final Design Professional invoice.

6.5.14 If deficiencies are found, a standard deficiency e-mail will be sent to the Design Professional to resolve. The Design Professional will have 24 hours to resolve such deficiency. If the deficiency is not resolved within that time, the Design Professional's invoice may be rejected.

6.5.15 Owner has the right to withhold payment for amounts in dispute in any invoice. All undisputed amounts in any invoice shall be paid in accordance with applicable Law and this Contract.

6.5.16 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 compensation will be negotiated prior to further development of the design.

6.5.17 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 7

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

7.1 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 full and accurate books of account and records customarily used in this type of business operation, in accordance with generally accepted accounting principles (GAAP). Design Professional will maintain such books and records for five years after the end of the Term of this Contract.

At any time or times during the Term of this Contract, or within six years after the final completion date of the Work, or six years after the Project, whichever occurs later, the Owner, FAA, Federal Highway Administration, FDOT, FEMA, 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 (Auditors), have the right to initiate and perform Engagements with respect to the Design Professional's records for the purpose of determining payment eligibility under this Contract or over selected operations performed by the Design Professional under this Contract for the purpose of determining compliance with the Contract.

Free and unrestricted access will be granted to all the Design Professional's records, including books, documents, papers, and records of the Design Professional directly pertinent to this Contract, as well as records of parent, affiliate, and subsidiary companies and any subconsultants or subcontractors. If the records are kept at locations other than Tampa International Airport, the Design Professional will arrange for said records to be brought to a location convenient to the Auditors or will provide records electronically in a computer-readable format acceptable to the Auditors at no additional cost to conduct the Engagement as set forth in this Article.

The Design Professional agrees to deliver or provide access to all records requested by the Auditors within fourteen (14) calendar days of the request at the initiation of the Engagement and to deliver or provide access to all other records requested during the Engagement within seven (7) calendar days of each request. The parties recognize that the Owner will incur additional costs if records requested by the Auditors are not provided in a timely manner and that the amount of those costs are difficult to determine with certainty. Consequently, the parties agree that the Design Professional may be charged a liquidated damage of \$100.00, in addition to all other contractual financial requirements, for each item in a records request, per calendar day, for each time the Design Professional is late in submitting requested records to perform the Engagement. Accrual of liquidated damages will continue until specific performance is accomplished. These liquidated damages are not an exclusive remedy and the 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.

- 7.2 In the event the Design Professional maintains its accounting or Project information in electronic format, upon request by the Auditors, the Design Professional will provide a download of its accounting or Project information in an electronic format allowing formatting, reading, and manipulation in Microsoft Office products.
- 7.3 The Auditors have the right during the Engagement to interview the Design Professional's employees, Designers, subconsultants, subcontractors, or suppliers, and to retain copies of any and all records as needed to support auditor workpapers. Design Professional shall not charge Authority for reasonable use of Design Professional's photocopy machine while conducting the engagement, nor for any cost of retrieving, downloading to storage media and/or printing any records or transactions stored in electronic format.
- 7.4 If as a result of any Engagement, it is determined that the Design Professional has overcharged the Owner for the Basic, Additional, or 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.

- 7.5 Approvals by the Owner's staff for any services included or not included in this Contract do not act as a waiver or limitation of the Auditor's right to perform Engagements.
- 7.6 The Design Professional will notify the Owner no later than seven (7) days after receiving knowledge that it is subject to any other Engagement related to this Contract and provide Authority a copy of any audit documents or reports so received.
- 7.7 The Design Professional agrees to comply with Section 20.055(5), Florida Statutes, and to incorporate in all agreements with Designers, subconsultants, subcontractors, or suppliers the obligation to comply with Section 20.055(5), Florida Statutes.
- 7.8 The Design Professional shall require all its Designers, subconsultants, subcontractors, or suppliers to provide the Auditors the same rights to perform Engagements as allowed in this Contract. The Design Professional shall require that all its Designers, subconsultants, subcontractors, or suppliers require their sub-subcontractors and sub-subconsultants to provide the Auditors the same rights to perform Engagements as allowed in this Contract.

ARTICLE 8

OWNERSHIP AND USE OF DOCUMENTS AND ELECTRONIC DATA/RETENTION AND MAINTENANCE OF PUBLIC RECORDS

- 8.1 The Design Professional acknowledges and agrees that all records, documents, drawings, notes, tracings, plans, specifications, maps, evaluations, reports, and other technical data and electronic data, instruments of service, models, and renderings, including but not limited to, all Architectural Works as defined by the federal Architectural Works Copyright Protection Act (whether hard copy or electronically stored), prepared, developed or furnished by the Design Professional or the subconsultants or subcontractors 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 the Owner. The Design Professional will take all actions necessary to secure for the Owner all such right, title, and interest. The Design Professional warrants that all materials comprising the Project Documents are original with the 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. The 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. The Design Professional will assign to the Owner any and all rights, including any copyrights, in the Project Documents that the Design Professional or the subconsultants or subcontractors employed or retained by the Design Professional on this Project may possess now or in the future, and the Design Professional and its Design Professional(s) will claim no rights adverse to the Owner in the Project Documents. Any

project as designed by the Design Professional under this Contract may be reused or repeated by the Owner at the 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. The Design Professional hereby grants its consent to the Owner to reuse of the Project Documents by the Owner for any and all such purposes. The Design Professional shall retain its rights to all standard elements contained within the design, including standard details, specifications, or other design materials generated and authorized by the Design Professional for its repeated, regular and ongoing use in plans, specifications, reports, or other instruments of service for its clients. The Design Professional will incorporate the terms of this Paragraph in all contracts with subconsultants and subcontractors employed or retained by the Design Professional to perform services covered by this Contract.

8.2 Submission or distribution of the Design Professional's 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 this Article.

8.3 Chapter 119, Florida 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.**

The Design Professional agrees in accordance with Florida Statutes 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, Florida Statutes 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 Term 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. The 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 the Owner.

8.4 The Owner maintains its records in electronic form in accordance with the State of Florida records retention schedules. As a result, the paper original version of this document (to the extent it exists) will be scanned and stored electronically as the authoritative record copy as part of the Owner's record management process. Once that occurs, the paper original version of this document will be destroyed. Notwithstanding the foregoing, to the extent the Contract includes any bonds or other security, those bonds or other security will be maintained in their original form and not destroyed.

ARTICLE 9 INDEMNITY

9.1 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, procedures, liens, expenses, losses, costs, royalties, fines and damages (including but not limited to claims for attorney's fees and dispute resolution costs) 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, order, decree, Federal Directive, Federal 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, stormwater, 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, subconsultants, subcontractors, suppliers, invitees, or any other person, directly or indirectly, employed or utilized by the Design Professional, whether the liability, suit, claim, procedure, lien, expense, loss, cost, royalty, fine or damage is caused in part by an indemnified party. This indemnity obligation expressly applies and shall be construed to include any and all claim(s) caused in part by

the negligence, acts, or omissions of the Owner, its members, officers, agents, employees, or volunteers.

9.2 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, proceedings, or actions of any nature seeking damages, equitable or injunctive relief, liens, expenses, losses, costs, royalties, fines, attorney's fees or any other relief 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, order, decree, Federal Directive, Federal 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, stormwater, 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, subconsultants, subcontractors, suppliers, 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. This duty to defend obligation expressly applies, and shall be construed to include any and all claim(s) caused in part by negligence, acts, or omissions of the Owner, its members, officers, agents, employees, or volunteers.

9.3 If the above indemnity or defense provisions or any part of the above indemnity or defense provisions are limited by Florida Statutes § 725.06(2)-(3) or Florida Statutes § 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 attorney's fees, 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.

- 9.4 If the above indemnity or defense provisions or any part of the above indemnity or defense provisions are limited by Florida Statutes § 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.
- 9.5 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.
- 9.6 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 statutes of limitations or repose.
- 9.7 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 the Florida Constitution, common law, or statutes.
- 9.8 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.
- 9.9 If the above Paragraphs 9.1-9.8 or any part of Paragraphs 9.1-9.8 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 10 INSURANCE REQUIREMENTS

- 10.1 The provisions of Attachment 4 - INSURANCE REQUIREMENTS are incorporated by reference into this Contract.
- 10.2 The Design Professional will comply with the insurance requirements and coverage limits detailed in Attachment 4 - INSURANCE REQUIREMENTS.
- 10.3 Pursuant to Florida Statutes Section 255.0517(2)(d), nothing contained herein prohibits the Design Professional, subconsultant, subcontractor, or supplier from purchasing any additional insurance coverage that the Design Professional, subconsultant, or subcontractor believes is necessary for protection against any liability arising out of the Contract. However, if the Design Professional, subconsultant, subcontractor, or supplier elects to purchase additional insurance, the cost of any additional insurance procured by the Design Professional, subconsultant, subcontractor, or supplier must be disclosed to the Owner.

ARTICLE 11 NO WAIVER

The failure of the Owner to enforce at any time or for any period of time any one or more of the provisions of this Contract will not be construed to be and will not be a waiver of any such provision or provisions or of its right thereafter to enforce each and every such provision.

ARTICLE 12 DISPUTE RESOLUTION

12.1 CLAIMS AND DISPUTES

A claim is a written demand or assertion by one of the parties seeking, as a matter of right, an adjustment or interpretation of the Contract, payment of money, extension of time or other relief with respect to the terms of the Contract (Claim). The term Claim also includes other disputes and matters in question between the Owner and the Design Professional arising out of or relating to the Contract and Claims brought by Designers, subconsultants, subcontractors, and suppliers. All Claims must be made in writing and include an affidavit from the Design Professional confirming the veracity of the Claim. The responsibility to substantiate Claims will rest with the party making the Claim.

- 12.1.1 If for any reason the Design Professional believes a Claim exists, the Design Professional must notify the Owner in writing no later than twenty-one (21) calendar days after the Design Professional first recognizes the condition giving rise to the Claim or before the Services begin on which the Design Professional bases the Claim,

whichever is earlier. The Design Professional must maintain strict accounting of all actual costs and/or time associated with the Claim, in such detail as may be required by the Owner. The failure to give proper notice as required herein will constitute a waiver of the Claim.

- 12.1.2 When the Services on which the claim is based have been completed, the Design Professional will, within ten (10) calendar days, submit the Design Professional's written documentation of the Claim, together with all supporting documentation required by the Owner, to the Owner. Such documentation of the Claim by the Design Professional, and the fact that the Owner has kept strict accounting of the actual cost and/or time associated with the Claim, will not in any way be construed as proving or substantiating the Claim.
- 12.1.3 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, litigation, arbitration, or any other proceedings to resolve any Claim. The Owner, however, will be under no obligation to make payments on or against such Claims during the pendency of any proceedings to resolve such Claims.
- 12.1.4 The Design Professional's acceptance of final payment for any individual work order will constitute a full waiver of any and all Claims by the 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 the Design Professional as unsettled at the time of the final payment.
- 12.1.5 Neither the acceptance of the Design Professional's Services nor payment by the Owner will be deemed to be a waiver of the Owner's rights against the Design Professional, including but not limited to:
 - 12.1.5.1 Latent defects;
 - 12.1.5.2 Terms of special warranties required by the Contract documents listed in Paragraph 3.1 or the Project Documents;
 - 12.1.5.3 Failure of the Services to comply with the requirements of the documents listed in Paragraph 3.1 or the Project Documents;
 - 12.1.5.4 Claims, security interests or encumbrances arising out of the Contract and unsettled;
 - 12.1.5.5 An audit following final payment.

12.2 RESOLUTION OF CLAIMS AND DISPUTES

The following shall occur as a condition precedent to the Owner's review of a Claim unless waived in writing by the Owner:

- 12.2.1 **Project Representatives' Meeting:** Within seven (7) calendar days after a dispute occurs or delivery of the Claim notice required by Paragraph 12.1.2, the Design Professional's senior project management personnel who have the authority to resolve the dispute or Claim shall meet with the Owner's project representative who has authority to resolve the dispute or Claim in a good faith attempt to resolve the dispute or Claim. If a party intends to be accompanied at a meeting by legal counsel, the other party shall be given at least five (5) calendar days' notice of such and also may be accompanied by legal counsel. All negotiations pursuant to this clause are confidential and shall be treated as compromise and settlement negotiations for purposes of rules of evidence.
- 12.2.2 **Management Representatives' Meeting:** If the Project Representatives' Meeting fails to resolve the dispute or Claim or if they fail to meet, a senior executive for the Design Professional and for the Owner, neither of which have day to day Project management responsibilities, shall meet, within fourteen (14) calendar days after a dispute or Claim occurs, in an attempt to resolve the dispute or Claim and any other identified disputes or Claims or any unresolved issues that may lead to a dispute or Claim. If a party intends to be accompanied at a meeting by legal counsel, the other party shall be given at least five (5) calendar days' notice of such and also may be accompanied by legal counsel. All negotiations pursuant to this clause are confidential and shall be treated as compromise and settlement negotiations for purposes of rules of evidence.
- 12.2.3 Following the Project Representatives' Meeting and the Management Representatives' Meeting, the Owner will review the Design Professional's dispute or Claims and may (1) request additional information from the Design Professional which will be immediately provided to the Owner, or (2) render a decision on all or part of the dispute or Claim. The Owner will endeavor to notify the Design Professional in writing of the disposition of the dispute or Claim within twenty-one (21) calendar days following the receipt of such Claim or receipt of additional information requested.
- 12.2.4 If the Owner decides that the Services relating to such dispute or Claim should proceed regardless of the Owner's disposition of such dispute or Claim, the Owner will issue to the Design Professional a written directive to proceed. The Design Professional will proceed as instructed.
- 12.2.5 If any Claim is made pursuant to this Contract, the Design Professional will provide, at the Owner's request, all documents in support of the Claim. If the Owner

requests to review the Project Documents and the Design Professional fails to provide them in a timely manner or has failed to preserve them, the Claim by the Design Professional will be deemed waived.

12.2.6 The exclusive venue for any action involving the Owner arising out of or related to the Services provided under this Contract will be in the appropriate State Court in and for the 13th Judicial Circuit for Hillsborough County, Florida, or the U.S. District Court in the Tampa Division of the Middle District of Florida. The Design Professional shall incorporate the terms of this provision into all of its contracts, subcontracts, and other agreements of any tier and require all Designers, subconsultants, subcontractors, or suppliers to similarly incorporate the terms of this provision in their agreements.

12.2.7 Mediation with a mediator approved by the Owner shall be a condition precedent to litigation involving the Owner. Any such mediation will be subject to Rule 1.700 et seq, Florida Rules of Civil Procedure and Chapter 44, Florida Statutes. The Design Professional shall incorporate the terms of this provision into all of its contracts, subcontracts, and other agreements of any tier and require all Designers, subconsultants, subcontractors, or suppliers to similarly incorporate the terms of this provision in their agreements.

ARTICLE 13

ASSISTANCE IN LITIGATION

Design Professional will render assistance to and on behalf of the Owner in dispute resolution proceedings, including but not limited to, litigation in connection with or arising out of this Contract, including any dispute resolution proceedings, including but not limited to, 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 14

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 or be contrary to any Code of Professional Conduct. Design Professional further represents that no persons having any such interest will be employed to perform these Services.

ARTICLE 15

NOTICES AND ADDRESS OF RECORD

15.1 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:

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

15.1.2 Hand-delivery: Hillsborough County Aviation Authority
Tampa International Airport
5411 Skycenter Drive
Suite 500
Tampa, FL 33607
Attention: Chief Executive Officer

15.2 All notices required or made pursuant to this Contract to be given by the Owner to the Design Professional 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:

15.2.1 Mail: Dennis Combs, PE
7650 W. Courtney Campbell Causeway
Tampa, FL 33607

ARTICLE 16

TERM OF CONTRACT

The Term of this Contract will commence on the date awarded by the Owner's Board of Directors and will remain in effect until the expiration of the construction warranties and resolution of all claims for the Project. Individual work orders will have effective dates and completion dates for the individual scope of Services.

ARTICLE 17

BREACH OF CONTRACT / TERMINATION OF CONTRACT

17.1 Any violation or breach of terms of this Contract on the part of the Design Professional or its Designers, subconsultants, subcontractors or suppliers may result in the suspension or termination of this Contract or such other action that may be necessary to enforce the rights of the Owner, FAA, FDOT or other governmental entities having jurisdiction. The Owner will provide the Design Professional written notice that describes the nature of the breach and corrective actions the Design Professional

must undertake in order to avoid termination of this Contract. The Owner reserves the right to withhold payments to the Design Professional until such time as the Design Professional corrects the breach or the Owner elects to terminate this Contract. The Owner's notice will identify a specific date by which the Design Professional must correct the breach. The Owner may proceed with termination of this Contract if the Design Professional fails to correct the breach by the deadline indicated in the Owner's notice.

- 17.2. The duties and obligations imposed by this Contract and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available at Law.
- 17.3 Notwithstanding Paragraph 17.1, this Contract may be terminated by the Owner with or without cause upon at least seven days written notice to the Design Professional.
- 17.4 In the event of termination by Owner without cause, the Design Professional will be entitled to receive compensation for that portion of the cost attributable to the Basic Services, Additional Services, Services and Reimbursable Expenses under this Contract earned through the date of termination. In addition, the Design Professional is entitled to receive compensation for direct, out-of-pocket termination expenses. Termination expenses are expenses directly attributable to termination. However, as a prerequisite to receiving such termination expenses, the Design Professional is required to include language regarding entitlement to compensation for costs attributable to Basic Services, Additional Services, Services, Reimbursable Expenses and out-of-pocket termination expenses in all purchase orders, subcontracts, and other agreements it enters into to effectuate completion of this Contract. The Design Professional will not be entitled to any further or additional compensation from the Owner, including but not limited to, damages or lost or anticipated profits on portions of the Services not performed.
- 17.5 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. To the extent the Owner's damages exceed the payments due the Design Professional, such excess will be paid by the Design Professional to the Owner within ten (10) days of the Owner's written demand for same to the Design Professional.
- 17.6 Upon 30 days written notice to the Owner, the Design Professional may terminate this Contract only if the Design Professional is not in default of any term, provision, or covenant of this Contract, and only upon or after the occurrence of the inability of the Design Professional to perform work 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 the Design Professional from operating its business for a period of longer than 90

consecutive days; provided, however, that such inability or such order, rule or regulation is not due to any fault or negligence of the Design Professional.

- 17.7 In the event this Contract is terminated, the Owner will be entitled to retain and use all Project Documents furnished or prepared by or for the Design Professional or design professionals employed or retained by the Design Professional as set forth in Article 8.
- 17.8 In the event the Owner terminates the Design Professional for cause pursuant to this Article 17 and it is later determined that such termination was not proper, or such termination right was not otherwise available to the Owner, such termination will be deemed a termination without cause and the Design Professional's rights and remedies will be limited to those set forth in Paragraph 17.4 above.

ARTICLE 18

SUSPENSION OF SERVICES

The Owner may, for any reason, order the Design Professional in writing to suspend, delay or interrupt the Services in whole or in part for such period of time as the Owner may determine. If the Services are 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 19

SUCCESSORS AND ASSIGNS

- 19.1 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.
- 19.2 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 party, 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.
- 19.3 The Owner reserves the right to transfer its interests herein to any other governmental body authorized by law to operate the Airport.

ARTICLE 20

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 as of the date of the Contract, the amendment, or work order, and that the compensation will be adjusted to exclude any sums where the Owner determines the amount was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs.

ARTICLE 21

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 the 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 the Design Professional violates this provision, the Owner may terminate this Contract without liability and, at its discretion, deduct from the Contract or work order, or otherwise recover from the Design Professional, the full amount of any fee, commission, percentage, gift, or consideration.

ARTICLE 22

RESTRICTED VENDOR LISTS

- 22.1 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 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 contractor, Design Professional, subconsultant, subcontractor or supplier under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
- 22.2 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 contractor, Design Professional, subconsultant, subcontractor or supplier under a contract with any public entity and may not transact business with any public entity as provided in Section 287.134, Florida Statutes.
- 22.3 An entity, affiliate, contractor, Design Professional, supplier, subcontractor, consultant, or subconsultant, who has had its Certificate of Qualification suspended, revoked, denied, or is included on the FDOT Contractor Suspension List, may not perform work under this

Contract.

ARTICLE 23
CONTRACT MADE IN FLORIDA

This Contract has been made in and will be construed in accordance with the laws of the State of Florida.

ARTICLE 24
NON-DISCRIMINATION

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

24.1.1. Compliance with Regulations: The Design Professional (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this Contract.

24.1.2. Nondiscrimination: The Design Professional, with regard to the Work performed by it during this Contract, will not discriminate on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in the selection and retention of Designers, subconsultants, subcontractors and suppliers, including procurements of materials and leases of equipment. The Design Professional will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

24.1.3. Solicitations for Subcontracts, including Procurements 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 procurements of materials, or leases of equipment, each potential Designer, subconsultant, subcontractor or supplier will be notified by the Design Professional of the Design Professional's obligations under this contract and the Nondiscrimination Acts and Authorities on the grounds of race, color, or national origin.

24.1.4. Information and Reports: The Design Professional will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Owner or the FAA to be pertinent to ascertain compliance with such Nondiscrimination Acts and Authorities and instructions. Where any information required of a Design Professional is in the

exclusive possession of another who fails or refuses to furnish the 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.

24.1.5. Sanctions for Noncompliance: In the event of a Design Professional's noncompliance with the nondiscrimination provisions of this Contract, the Owner will impose such contract sanctions as it or the FAA may determine to be appropriate, including, but not limited to:

24.1.5.1 Withholding payments to the Design Professional under the Contract until the Design Professional complies; and/or

24.1.5.2. Cancelling, terminating, or suspending the Contract, in whole or in part.

24.1.6. Incorporation of Provisions: The Design Professional will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations, and directives issued pursuant thereto. The Design Professional will take 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 noncompliance. Provided, that if the Design Professional becomes involved in, or is threatened with litigation by a Designer, subconsultant, subcontractor, or supplier because of such direction, the Design Professional may request the Owner to enter into any litigation to protect the interests of the Sponsor. In addition, the Design Professional may request the United States to enter into the litigation to protect the interests of the United States.

24.2. During the performance of this Contract, the Design Professional, for itself, its assignees, and successors in interest (for the purposes of this paragraph, hereinafter referred to as the "Design Professional") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 USC § 2000d et seq., 78 stat. 252) (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination in Federally-Assisted programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 USC § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973 (29 USC § 794 et seq.), as amended (prohibits discrimination on the basis of disability); and 49 CFR part 27 (Nondiscrimination on the Basis

of Disability in Programs or Activities Receiving Federal Financial Assistance);

- The Age Discrimination Act of 1975, as amended (42 USC § 6101 et seq.) (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982 (49 USC § 47123), as amended (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987 (PL 100-259) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, subrecipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990 (42 USC § 12101, et seq) (prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration’s Nondiscrimination statute (49 USC § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Title IX of the Education Amendments of 1972, as amended, which prohibits Design Professional from discriminating because of sex in education programs or activities (20 USC § 1681, et seq).

24.3 In all its activities within the scope of its airport program, the Design Professional agrees to comply with pertinent statutes, Executive Orders, and such rules as identified in Title VI List of Pertinent Nondiscrimination Acts and Authorities to ensure that no person shall, on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance. This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

ARTICLE 25

DISADVANTAGED BUSINESS ENTERPRISE (DBE) ASSURANCES

This Contract involves FAA AIP funding and therefore DBE requirements apply to this Contract.

25.1 Owner Policy: It is the policy of the Owner that DBEs as defined in 49 CFR Part 26 will have a fair opportunity to participate in the performance of construction, architectural,

engineering, and professional services contracts procured by the Owner funded in whole or in part by the U.S. Department of Transportation. Design Professional will take all necessary and reasonable steps in accordance therewith to ensure that DBEs have a fair opportunity to compete for and perform subcontracts under this Contract.

- 25.2 Non-Discrimination: Design Professional and any subconsultant, subcontractor or supplier of Design Professional will not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. Design Professional will carry out applicable requirements of the Owner's DBE Policy and Program in the award and administration of this Contract. Failure by Design Professional to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the Owner deems appropriate. Each contract Owner executes with Design Professional and each subcontract Design Professional executes with a subconsultant, subcontractor or supplier must include the following:

"Design Professional and subconsultant, subcontractor or supplier will not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. Design Professional will carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT-assisted contracts. Failure by Design Professional or subconsultant, subcontractor or supplier to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as the Owner deems appropriate."

- 25.3 DBE Termination and Substitution: The Design Professional is prohibited from terminating or altering or changing the scope of work of a DBE subconsultant, subcontractor or supplier except upon written approval of the Owner in accordance with the Owner's procedures relating to DBE terminations contained in the DBE Policy and Program. Failure to comply with the procedure relating to DBE terminations or changes during this Contract will be a material violation of this Contract and will invoke the sanctions for non-compliance specified in this Contract and the DBE Policy and Program.

- 25.4 DBE Goals: In compliance with the Owner's DBE Policy and Program, the Design Professional's minimum DBE commitment is established as the sum total of the verified Letter(s) of Intent submitted with their response. The goal stated below is the sum total of the certified DBE's listed in the Design Professional's Fee and Scope Proposal which is attached hereto as Attachment 1 and which will be enforceable under the terms of this Contract. The Design Professional will demonstrate that they will subcontract to certified DBEs certified by the Florida Unified Certification Program (FLUCP) at least 0% of the dollar amount of the design fees earned under this Contract, or clearly demonstrate in a manner acceptable to the Owner its good faith efforts to obtain certified DBE subconsultants, subcontractors or suppliers.

- 25.5 Monitoring: The Owner will monitor the ongoing good faith efforts of the Design

Professional in meeting the requirements of this Article. 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 Article, including, but not limited to, records, records of expenditures, contracts between Design Professional and the DBE participant, and other records pertaining to DBE participation, which Design Professional will maintain for a minimum of three years following the end of this Contract. Opportunities for DBE participation will be reviewed prior to the exercise of any renewal, extension or material amendment of this Contract to consider whether an adjustment in the DBE requirement is warranted. Without limiting the requirements of this Contract, the Owner reserves the right to review and approve all sub-leases or subcontracts utilized by the Design Professional for the achievement of these goals.

- 25.6 Prompt Payment: Design Professional agrees to pay each subconsultant, subcontractor, or supplier under this Contract for satisfactory performance of its contract no later than 10 calendar days from the receipt of each payment Design Professional receives from Owner. Design Professional agrees further to release retainage payments to each subconsultant, subcontractor, or supplier within 10 calendar days after the subconsultant's, subcontractor's, or supplier'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 approval of the Owner. This clause applies to both DBE and non-DBE subconsultants, subcontractors, or suppliers.
- 25.7 Reporting Requirements: Design Professional agrees that within 15 calendar days after the expiration of each calendar month during the Term of this Contract, it will provide a DBE Monthly Utilization Report to Owner's DBE Program Manager calculated in accordance with the requirements of 49 CFR Part 26. If the required DBE participation is not met, Design Professional will explain in the DBE Monthly Utilization Report the reasons for its failure to meet the prescribed goal and the strategy Design Professional proposes to meet the DBE goal. All firms interested in participating in contracting/subcontracting opportunities as a DBE must be certified as eligible DBEs before said business enterprises begin their portion of the Contract work. Only certified DBEs will count toward the DBE goal. If the Design Professional fails to achieve the DBE goal stated herein, it will be required to provide documentation demonstrating that it made good faith efforts in attempting to do so.
- 25.8 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 DBE 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 the Design Professional to make a good faith effort to achieve DBE goals will be a material breach of this Contract. The determination of whether the Design Professional's efforts were made in good faith will be made by the Owner. At 50% completion, a plan of action properly reflecting the anticipated DBE achievement of the commitment is required to be submitted to the Owner.

25.9 In the event of the Design Professional's non-compliance with the Owner's DBE Policy and Program or failure to meet the prescribed DBE goal set forth in this Article, or to establish a good faith effort to do so, the Owner, after due process, will impose such Contract sanctions as the Owner may determine to be appropriate including but not limited to:

25.9.1 Withholding of payments to the Design Professional under this Contract until the Design Professional complies; and/or

25.9.2 Cancellation, termination, or suspension of this Contract in whole or in part; and/or

25.9.3 Suspension or debarment of Design Professional from eligibility to contract with the Owner in the future or to receive bid packages or request for proposals (RFP)/request for qualification (RFQ) packages.

ARTICLE 26 BUY AMERICAN ASSURANCE

26.1 In accordance with 49 U.S.C. Section 50101, Executive Order 14005, Ensuring the Future is Made in All of America by All of America's Workers, Bipartisan Infrastructure Law (Pub. L. No. 117-58), Build America, Buy America (BABA), the Design Professional will ensure that all iron, steel and manufactured goods specified in the construction contract documents for this Project, including components and subcomponents, are (1) wholly produced in the United States, or (2) have a nationwide waiver excepting the Buy American requirements, or (3) meet the requirements necessary to obtain a waiver as outlined in 49 U.S.C. Section 50101.

26.2 In all cases requiring a waiver, the Design Professional will provide the Owner with a list of the items requiring a waiver and the appropriate justification needed to obtain the waiver.

ARTICLE 27 PROHIBITION AGAINST CONTRACTING WITH SCRUTINIZED COMPANIES

This Contract will be terminated in accordance with Florida Statutes Section 287.135 if it is found that Design Professional submitted a false Scrutinized Company Certification as provided in Florida Statutes Section 287.135(5) or any of the following occur with respect to the company or a related entity:

- (i) it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or
- (ii) for any contract for goods or services of \$1 million or more,

- a. it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or
- b. is engaged in business operations in Cuba or Syria.

ARTICLE 28
E-VERIFY REQUIREMENT/UNAUTHORIZED ALIENS

- 28.1 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 subconsultants, subcontractors, or suppliers 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 Designer, subconsultant, subcontractor or supplier 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 Agreements dated after January 4, 2011. The Design Professional will verify all their new employees and will require that their Designers, subconsultants, subcontractors, or suppliers verify all their new employees in accordance with the E-Verify requirements set out above. The Design Professional will execute Attachment 3, E-Verify Certification, to certify and affirm that Design Professional will comply with the E-Verification requirements of Executive Order Number 11-116.
- 28.2 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 employs unauthorized aliens, such violation will be cause of unilateral termination of this Contract.
- 28.3 By entering into this Contract, the Design Professional becomes obligated to comply with the provisions of Section 448.095, Florida Statutes, "Employment Eligibility." This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor uses the E-Verify system and subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statutes, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination. If this Contract is terminated for a violation of Section 448.095

by the Design Professional, the Design Professional may not be awarded a public contract for a period of 1 year after the date of termination.

**ARTICLE 29
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 30
RESERVED**

**ARTICLE 31
NO EQUITABLE ADJUSTMENT**

The Design Professional's remedies are limited to those remedies specified herein. To the fullest extent permitted by Law, the Design Professional agrees that it is not entitled nor will it seek equitable adjustment of any of the terms of this Contract including but not limited to Contract time and compensation. This provision shall take precedence over any conflicting Contract provisions.

**ARTICLE 32
COMPLETE CONTRACT**

This Contract represents the entire agreement and fully integrated contract between the Owner and the Design Professional and supersedes all prior negotiations, representations, or agreements, 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:

AECOM Technical Services, Inc.

By: _____

Title: _____

Print Name

Print Address

Signed, sealed, and delivered
in the presence of:

Witness

Print Name

Witness

Print Name

Notary for AECOM Technical Services, Inc.

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization,
this ____ day of _____, 20__, by _____ as
(Name of person)

_____, for _____
(type of authority) (name of party on behalf of whom contract was executed)

Signature of Notary

Print, Type, or Stamp Commissioned Name of Notary

Personally Known OR Produced Identification
Type of Identification Produced

TPA / Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R and Associated Taxiways, & Northwest
Remain Overnight Parking Apron

Authority Project Nos. 8650 26, 8660 26 & 8665 26

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Contract for Design Professional Services

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

HILLSBOROUGH COUNTY AVIATION AUTHORITY

(Affix Corporate Seal)

By: _____
Arthur F. Diehl III, Chairman

ATTEST:

Harry Cohen, Assistant Secretary/Assistant
Treasurer

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 by means of ☐ physical presence or ☐ online authorization, this ____ day of _____, 20__, by Arthur F. Diehl, in the capacity of Chairman, and by Harry Cohen in the capacity of Assistant Secretary/Assistant Treasurer, for Hillsborough County Aviation Authority, a public body corporate under the laws of the State of Florida, on its behalf.

Signature of Notary

Print, Type, or Stamp Commissioned Name of Notary

Personally Known OR Produced Identification
Type of Identification Produced

TPA / Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R and Associated Taxiways, & Northwest
Remain Overnight Parking Apron
Authority Project Nos. 8650 26, 8660 26 & 8665 26

Contract for Design Professional Services

Attachment 1

**HCAA Project Number 8650 26
R/W 1R-19L and T/W C Reconstruction**

&

**HCAA Project Number 8660 26
Rehabilitate R/W 1L-19R Complex**

&

**HCAA Project Number 8665 26
Northwest Remain Overnight Parking Apron**

Tampa International Airport

Prepared by:

AECOM

Scope of Services for:

**HCAA Project Number 8650 26
R/W 1R-19L and T/W C Reconstruction
Tampa International Airport**

Prepared by:

AECOM

October 24, 2025

**PROFESSIONAL ENGINEERING SERVICES FOR
R/W 1R-19L AND T/W C RECONSTRUCTION
HCAA PROJECT NUMBER 8650 26**

**TAMPA INTERNATIONAL AIRPORT (TPA)
TAMPA, FL**

AECOM TECHNICAL SERVICES, INC.

1. INTRODUCTION

This scope of services (scope) outlines the tasks proposed by the AECOM Technical Services, Inc. (AECOM) Team to assist the Hillsborough County Aviation Authority (HCAA or Authority) with Professional Engineering and Construction Administration Services associated with R/W 1R-19L and T/W C Reconstruction. The name AECOM will be used throughout this scope, but will include all subconsultants working on the project.

The Runway 1R-19L and Taxiway C Portland Cement Concrete (PCC) pavements were last reconstructed in 1988 and 1989 respectively. Selective concrete slab replacements and pavement repairs have occurred over the life of the pavement since reconstruction occurred. In the last few years, the rate of deterioration, especially on Taxiway C, has accelerated to the point of requiring urgent closures to replace additional slabs. The Hillsborough County Aviation Authority conducted a pavement study in 2024 to determine the remaining life for both the runway and taxiway and friction deterioration. The study consisted of geotechnical and non-destructive testing and found Taxiway C to have no remaining life and Runway 1R-19L to have between 3 and 6 years. The study results and the increase in frequency of slab replacements and repairs have led to the determination that reconstruction of the complex is the most effective solution.

This project includes the rehabilitation of the full length of Runway 1R-19L, Taxiway C, and all connecting taxiways between the runway and taxiway. The rehabilitation is expected to consist of the full depth reconstruction of full-strength pavement areas of Runway 1R-19L. The asphalt section of the runway will be evaluated to determine if full reconstruction or asphalt rehabilitation (mill/overlay) is warranted. In addition, the bituminous concrete shoulders will either be milled and overlaid or reconstructed depending on existing conditions. Full-depth shoulder pavement will be constructed where geometric improvements are required to comply with the latest FAA Advisory Circular (AC) guidance. New connecting taxiways between Taxiway C and Taxiway G will also be included. The location and number of connecting taxiways between TW C and TL G will be validated during design. In addition, geometric improvements to accommodate Group V and VI aircraft, where indicated in the airport layout plan (ALP), will be included. The runway reconstruction will incorporate improvements to allow a future north runway extension as shown on the ALP. All full depth reconstruction of pavement will incorporate an underdrain system to assure a well-drained subgrade. Drainage layer materials may be incorporated into the pavement to further promote drainage. Work will also include both temporary and permanent pavement markings within the limits of reconstruction.

The condition of the stormwater drainage system will be evaluated and replaced, where deemed necessary, due to end of life, or if additional capacity is needed. Existing valley gutters, within the project limits, located in the asphalt shoulders will be removed and replaced with drainage improvements compliant with current FAA guidance. Turf infield areas will be evaluated and corrected where necessary to assure runway and taxiway safety areas are compliant with FAA AC guidance.

Airfield electrical work will consist of the evaluation of ductbanks and manholes between the electrical vault and the runway complex and may include replacement of manhole structures and ductbanks where capacity is needed for other planned airfield expansions. Electrical cable for all circuits within the complex will be evaluated and replaced where needed. Light fixtures for R/W centerline lights and R/W 19L touchdown lights are relatively new and plan to be re-used. Taxiway lights, runway edge lights, runway guard lights, and guidance signs will be evaluated and replaced, if necessary. Runway guard lights will be provided to improve operations from Category II to Category III for Runway 19L. Regulators and associated vault equipment for each of the circuits will be evaluated and replaced, if necessary. The Airfield Lighting Control and Monitoring

System (ALCMS) will be updated as part of the project as well. HCAA owns and maintains the REILs on R/W 1R and expects these to be replaced. Other NAVAIDS, such as the Approach Lighting on R/W 19L, PAPI's and RVR's for both approaches, R/W 1R Localizer and R/W 19L Glide Slope, are maintained by FAA. A reimbursable agreement with FAA will need to be executed if there are impacts to these NAVAIDS.

The scope of the project consists of the following elements per the HCAA RFQ, PMP, RS&H PDD dated May 6, 2025 and meetings to discuss the project. Included on the following pages are Figures 1, 2 and 3 from the RS&H Project Definition Document.

Project Scope Elements

- 1) Provide data collection including subsurface utility exploration, Non-Destructive Testing (NDT), LIDAR and traditional survey, and geotechnical data.
- 2) Evaluate reconstruction alternatives 3, 4 and 5 from the PDD and provide a recommendation to the Authority during the 15% design process.
- 3) Provide aircraft simulations to assist in phasing durations and assess impacts to the airport for runway and taxiway closures.
- 4) Perform economic analysis of impacts of runway and taxiway closures to assist in determining incentives and disincentives for the contractor during construction.
- 5) Perform a life cycle cost analysis of PCC versus asphalt pavement for Runway 1R-19L, as required by the FAA. Pavement design for PCC and asphalt will be performed in accordance with the FAA AC.
- 6) Geometrics will be as provided in the approved Airport Layout Plan. AECOM will work with the AUTHORITY and Air Traffic Control Tower (ATCT) regarding the possibility of another connector from Taxiway Charle to Taxilane Golf. This task will provide the AUTHORITY with the necessary graphics to update the ALP as required.
- 7) Provide design of stormwater, including trenchdrain, in accordance with NFPA regulations for areas adjacent to the apron areas that have fueling operations. Provide Stormwater permitting from Southwest Florida Water Management District. The PDD provides the total impervious area as negative for Spruce Street Drainage Channel, Terminal, and Sweetwater Creek. No additional stormwater treatment is anticipated or included. Will include drains from electrical ductbanks.
- 8) Provide design of pavement, markings, and airfield lighting in accordance with FAA Advisory Circulars. Work includes lights and circuits on the following circuits:

Runway Lighting Circuits:

- a. RW 1R-19L Elevated Lights
- b. RW 1R-19L Centerline (CL) Lights
- c. RW 19L Touchdown Zone (TDZ) Lights
- d. RW 1R M1 Mandatory Guidance Signs
- e. RW 1R M2 Mandatory Guidance Signs

Taxiway Lighting Circuits:

- f. TW C Elevated Lights
- g. TW C-1 Elevated Lights
- h. TW C Guidance Signs
- i. TW B Centerline Lighting on TW C

NAVAID Circuits:

- j. RW 1R Runway End Identifier Lights (REILs)

- 9) Relocation of RW 1R-19L FAA PAPIs, RW 1R RVR, and FAA ALSF-2 Threshold Bar Lights are included in the scope in accordance with FAA AC 150/5345-28, AC 150/5300-18B, FAA Engineering Brief EB-95, and FAA Joint Order JO 6850.2C. Coordinate with the design team, AUTHORITY, and FAA to confirm and incorporate siting requirements, glide slope angles, approach surface clearances, obstruction clearance surfaces (OCS), and light signal clearance surface (LSCS) evaluation. AECOM will coordinate with FAA Tech Ops regarding changes to grading in localizer or glideslope critical areas and coordinate design efforts from FAA, if necessary, regarding the localizer or glideslope.
- 10) AECOM will provide for new REILS for Runway 1R in accordance with FAA AC 150/5345-28, and AC 150/5340-30J. Coordinate with the design team, and AUTHORITY to confirm and incorporate siting requirements, power and control.
- 11) The 15% submittal will provide a draft and final alternative analysis report that includes evaluations of up to 3 options from the PDD report for further refinement including engineering assessments, cost comparisons, and construction time impacts. This phase will include aircraft simulations to assist in determining the effects of construction on airfield operations.

Project Assumptions

- 1) Project will be designed and constructed together as a stand-alone bid package.
- 2) Per FAA EB #95, the design of the PAPI installations requires an Obstruction Clearance Surface (OCS) and Light Signal Clearance Surface (LSCS) survey and obstruction evaluation which will be included as an expense under AVCON in the fee spreadsheet.
- 3) Existing vault buildings carry spare room and electrical capacity for the project (overall load reduction is assumed, with LED lighting enhancement).
- 4) New field circuitry or systems are not expected. Allocation for two new services is provided, but it is not expected.
- 5) Airfield Lighting Control system exists and is not expected to be replaced as part of this project but will be updated per geometric changes and any control changes from airfield regulators. Team will assess existing ALCS and provide new if appropriate.
- 6) System excludes provision for Runway Status Lights (RWSL) system.
- 7) Coordination with the AUTHORITY'S NEPA process is included but all documents related to the environmental design effort and approval from FAA's NEPA process is not included in the scope or fee. No environmental services are anticipated or included in the scope or fee.
- 8) AECOM will be provided timely access to AUTHORITY's facilities as needed for AECOM to perform the Scope of Services, including escort by AUTHORITY staff, if required.
- 9) AUTHORITY will provide all necessary existing documents and goals and objectives for the Project.
- 10) Documents will be created using the AUTHORITY's CAD Standards with 11"x17" size drawings. All drawings will be created in black and white or color AutoCAD format using English units.
- 11) Designs will be developed to be compliant with codes and regulations in force at the time the proposal and fee are submitted. Significant changes to regulatory requirements may require separately scoped additional services.
- 12) The AECOM Team shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials or toxic substances in any form at the

project site. Hazardous materials are not anticipated. This material can be addressed in the general contingency, if required. Any hazardous materials discovered will be addressed in the contract documents for contractor final disposition.

- 13) Uploading data in the FAA/GIS Database or creating a project on the FAA/GIS is not a part of the Scope of Services, as enumerated above but will be included in the construction contract documents for the contractor to perform such services. AECOM will review and assist in this process.
- 14) Any service not specifically enumerated within this scope is not included and would only be performed at Client's request and approved fee.
- 15) Duration of construction is assumed to be 27 months.
- 16) Resident Project Inspection for Year 1 includes up to 10 (ten) inspectors and 2 (two) resident engineers. Years 2 and 3 include up to 6 (six) inspectors and 2 (two) resident engineers. These have been included as a contingency item under allowance at 50 hours per week.

Below, please find Figures 1, 2 and 3 from the RS&H Project Definition Document (PDD) provided to AECOM by HCAA, and indicating Alternate 5 as the highest ranked option. Our team will evaluate alternatives 3, 4 and 5 from the PDD during the 15% design process and provide a recommended alternative for final design.

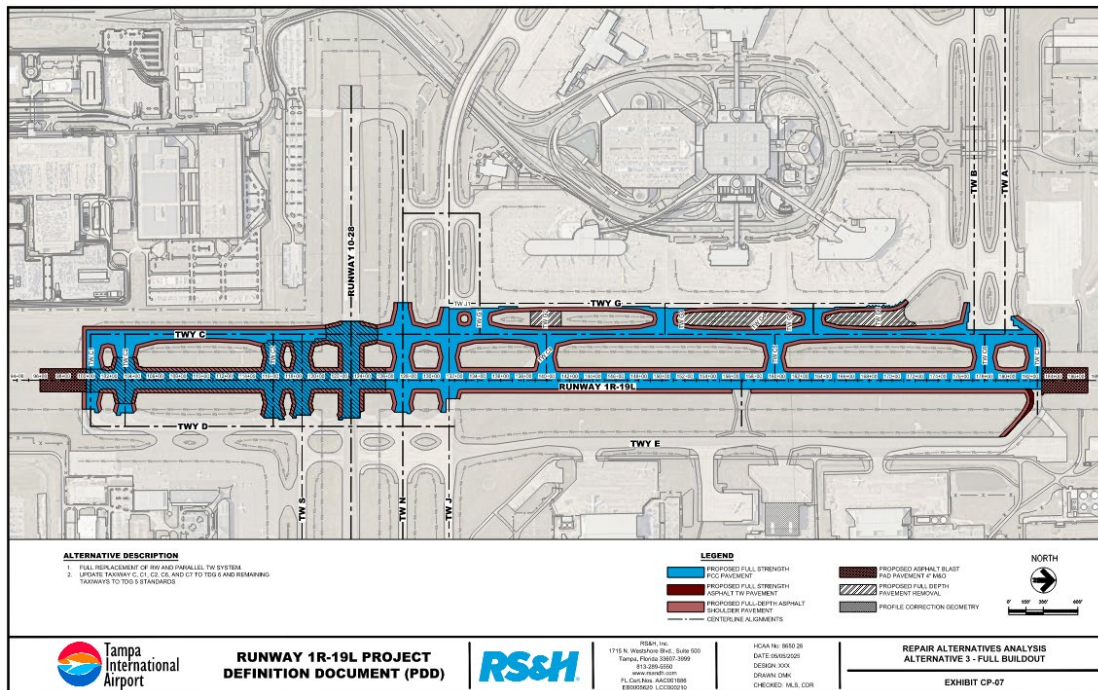


Figure 1: Exhibit CP-07 From PDD by RS&H (Source HCAA)

2. SCOPE OF SERVICES

AECOM will prepare design documents for R/W 1R-19L and T/W C Reconstruction. The following tasks are included in the proposal and the attached fee spreadsheet.

- a. **Project Management and Meetings** – AECOM will provide project management for the project to include all necessary invoicing, reporting, coordination as required for the project.
- b. **Owner and Internal Meetings** – AECOM will attend and document with meeting notes weekly design meetings with the owner. The owner meetings are anticipated to be a hybrid meeting with in-person and Teams attendance. The AECOM Team will also have weekly coordination meetings to discuss project scope and schedule.
- c. **Record Drawings and Verification** – AECOM will obtain from the Authority all applicable record drawings, review existing drawings & data, and verify accuracy prior to use of materials in the design of the project.
- d. **Preliminary and Existing Condition Graphics** – Provide graphics and documents to further discussions in meetings and make recommendations towards design direction. Provide graphics showing the existing field conditions.
- e. **Field Work Coordination with subs and OPS** – Coordinate with Airport P&D and Operations for the scheduling and sequencing of field work. Includes coordination with all subconsultants to minimize airfield closures.
- f. **Field Inspections** AECOM will perform field inspections of the proposed project location to gather visual information and document existing conditions. Multiple disciplines will be performing field inspections.
- g. **Survey Reduction and Incorporation** – Survey data will be analyzed and incorporated into the base drawings for the project, in accordance with the HCAA and national CADD standards for layer and layer naming conventions.
- h. **Design Drawings** - This task includes the development of drawings appropriate for the various design stages to facilitate stakeholder coordination and Authority review and approvals and for bidding and construction. The 30% (concept) Design Milestone drawings will include major project elements that provide enough information to describe the scope of the project. At 30% milestone major elements of project will be defined and agreed. Some standard details will be included. Phasing plans will be at a concept level. 60% Design Milestone drawings will build upon the previous submissions. At 60% most, if not all design elements are identified and fully shown. Stakeholder comments have been fully addressed. Major elements of the phasing plans should be agreed. 90% Design Milestone drawings will build upon the previous submissions. At 90% all design elements are complete, including details. Pending incorporation of final Authority and AHJ comments the drawings are considered final. 100% Design and Final Milestone drawings are complete and are only for Authority confirmation that comments have been addressed.
- i. **Existing Conditions Drawings** – Detailed notes will be taken from all field inspections and multi-discipline existing conditions drawings will be created and utilized during the design process.
- j. **Geotechnical Data Review** – The Team will coordinate with the geotechnical subconsultant and review all appropriate geotechnical data. AECOM will provide the geotechnical reports to the Authority. See specific proposal from Tierra, Inc. for additional information.

- k. **Stormwater Design and Permitting** - Work includes all design and coordination to submit and receive a modification to an existing Environmental Resource Permit (ERP) from the Southwest Florida Water Management District. The AECOM scope will include detail calculations, narrative, and exhibits, as required to meet SWFWMD. Additional treatment capacity is not anticipated to be required for this project as the amount of impervious area is being reduced per the PDD. Collection and conveyance systems will be designed in accordance with FAA, City of Tampa, and FDOT standards. Underdrain systems for full-strength taxiway and runway pavement will be designed in accordance with industry standards.
- l. **SUE Evaluations** – AECOM will evaluate the existing project site to locate all known utilities and will provide ACAD drawings of all surveyed utilities. AECOM will identify specific utility locations where elevation data is needed. See proposal from Element Engineering for additional information on Subsurface Utility Engineering.
- m. **Fueling Impacts and Design** - AECOM will provide drawings and specifications for the relocation of the fuel infrastructure within the existing footprint including fuel pipelines, cathodic protection systems, control valve or isolation valve pits, and associated electrical infrastructure as required to eliminate conflicts between the existing fuel facility and proposed design features.
- n. **Quantities and Cost Estimate** - The scope includes an estimate of probable construction cost for the project and verify with the current project budget for construction. AECOM will perform a quantity take-off of the plans at each stage of design and provide a unit price estimate. Any cost opinions or estimates provided by AECOM will be on a basis of experience and judgment, but since AECOM has no control over market conditions or bidding procedures, AECOM cannot and does not warrant that bids, ultimate construction cost, or project economics will not vary from such opinions or estimates. The scope includes developing and maintaining a schedule for design. The schedule will be updated and submitted with each design deliverable milestone. This element includes time and effort to coordinate with independent cost estimators at two intervals. A cost estimate will be provided in late March 2026 to assist HCAA in PMP budgeting.
- o. **Schedule Updates** – AECOM will provide detailed design schedule with each submittal and construction schedules starting with the 60% design deliverable. Schedules will be in Microsoft Project and Excel spreadsheets as appropriate.
- p. **QA/QC** - AECOM will provide HCAA with our Quality Assurance/Quality Control (QA/QC) Plan for the project. Each deliverable will go through this QA/QC process and a Technical Quality Review Record (TQRR) will be generated from senior level staff and provided to the Authority for each design deliverable.
- q. **Deliverables** – AECOM will coordinate, combine and check each final deliverable for accuracy and scope compliance.
- r. **Pavement Design**- New runway, taxiway and apron pavement shall be PCC pavement designed in accordance with FAA AC 150/5320-6G, *Airport Pavement Design and Evaluation*. The shoulder pavement will be constructed of bituminous pavement and designed to FAA criteria. AECOM will utilize the fleet mix frequency provided by the AUTHORITY to design all pavement on the project.
- s. **Grading** - The survey will be utilized to create existing conditions 3-D model for the R/W 1R-19L and T/W C Reconstruction project site. Apron pavements will be analyzed for stormwater design and prepared to meet NFPA requirements for fueling aircraft. The grading will be presented in plan and cross section views. Grading evaluation and corrections will include all runway and taxiway safety areas.

- t. **Specifications, Engineer's Report, CSPP** – Starting with the 60% design submittal, the AECOM team will provide draft and final specifications, Engineer's Report and Construction Safety Phasing Plans (CSPP) in accordance with FAA criteria. AECOM shall review, comment, and coordinate with the AUTHORITY on the front-end Division 0 and 1 sections of the Project Manual in conjunction with the plans and specifications at the 90% and 100% submittals. AECOM will utilize the FAA Advisory Circular 150/5370-10H, *Standard Specifications for Construction of Airports*, for all on-airport technical specifications. FDOT design standards will be utilized where appropriate (i.e. erosion control).
- u. **Utility Plans** – Where adjustments are required, AECOM will consult with the utility owner and the AUTHORITY to gain a full understanding of the technical requirements for the accommodations, (e.g., separations, materials, cut-overs, etc.) and then develop designs and prepare drawings and documentation for construction of the accommodations. AECOM will prepare documentation for required permits. Accommodation will be like-for-like. Utilities identified include aircraft fueling system, gravity sanitary sewer, potable water main, TECO power, AUTHORITY and 3rd party IT/Comms, and NAVAID communications and electrical.
- v. **Airfield Lighting** – This task includes the design of the airfield lighting for runways, taxiways, taxi lanes, vaults and aprons.

The following airfield electrical design activities have been identified:

- Airfield Lighting Demolition effort and reuse of existing systems
 - Airfield Lighting Layouts / Color Patterning
 - Airfield Lighting Primary Circuit Cabling (including powering signs)
 - Airfield Lighting Circuit Overviews
 - Airfield Lighting Cable Infrastructure (Pulling Structures and Ductways)
 - Electrical Vault Interior Rehabilitation and Equipment Selection
 - Control System effort is Upgrade the existing L-890 system deployed in 2019 with recent upgrades.
 - Airfield Lighting Layout Plans with dimensions layout
- w. **Airfield Signage** - AECOM will locate and depict all new signage to match the revised airfield geometry and updated taxiway connector and runway designations. Locations will be dimensioned and referenced to the appropriate runway or taxiway geometry or pavement markings. All signage is assumed to be new unless conditions during field investigations warrant a different approach. AECOM will develop a comprehensive sign schedule covering all new signs and panel revisions to existing signs, listing sign ID, sign style, sign size, existing and proposed legend, power leg location and panel fabrication requirements, mounting type and mounting/interface notes to ensure compatibility with existing structures, luminance/illumination and power/source requirements, and installation location references.
 - x. **Pavement Marking Design** – Design will include new pavement markings for the R/W 1R-19L and T/W C Reconstruction, in accordance with FAA Advisory Circular 150-5340-1M, *Standards for Airport Markings*. Pavement marking details/information will be included in the construction drawings.
 - y. **Bid and Award Services** - This Task shall consist of bid and award services:
 - Advertisement and Bidding Assistance
 - Assist in Addenda Preparations
 - Attend Prebid Conference
 - Evaluate Bids and Recommend Award
 - Issue Conformed Documents

- z. **Construction Administration** – The AECOM scope of services will consist of the following tasks as outlined in the fee estimate:
- Attend Preconstruction Conference and prepare meeting minutes
 - Weekly Contractor's Meeting (with Meeting Minutes) and Site Visit
 - Construction Changes & Change Orders
 - Review Shop Drawings
 - Respond to RFIs
 - Review and Approve Contractor's Pay Request
 - Prepare Construction Management Plan
 - Review and Assist with Materials Testing
 - Review Contractor's Safety Plan and Compliance Document
 - Perform Substantial and Final Inspections
 - Prepare Record Drawings from Contractor Markups
- aa. **Resident Inspection** – As an allowance item in the contingency portion of the proposal are hours associated with providing assistant to the RPR and HCAA Project Manager in the form of up to ten (10) experienced airfield inspectors and two (2) reside engineers for year one. Years two (2) and three (3) include up to six (6) inspectors and two (2) resident engineers. These have been included at 50 hours per week. These inspectors will work at the Authority's direction and provide on site review and documentation of the construction including coordination with HCAA, tracking of field quantities, notification of elements of non-compliance, and daily reporting.
- bb. **Materials testing** – AECOM will provide materials testing in accordance with the specifications of the project anticipated to be FAA AC 150/5370-10H. See attached estimated materials costs from TSF Geotech dated October 3, 2025.

3. DELIVERABLES

PLAN DELIVERABLE TABLE
ADD IN 15% DESCRIPTION OF REPORT

ITEM	15%	30%	60%	90%	100%
Key Sheet (AECOM)		P	P	C	F
Signature Sheet (AECOM)			P	C	F
General Sheets (AECOM)	E	P	P	C	F
Phasing Sheets (AtkinsRealis/AECOM)	E		P	C	F
Survey and Existing Conditions (AECOM/ NSI)		P	P	C	F
Geotechnical Borings (Tierra, Inc.)		P	P	C	F
Demolition Sheets (AECOM)		P	P	C	F
Airfield Geometry (AtkinsRealis/ AECOM)	E	P	P	C	F
Grading and Drainage (AECOM)		P	P	C	F
Drainage Details (AECOM)			P	C	F
Erosion Control Sheets (AECOM)		P	P	C	F
SWFWMD ERP Modification (AECOM)			P	C	F
Paving and Joint Sheets (AECOM)	E		P	C	F
Pavement Marking Sheets (AtkinsRealis)			P	C	F
Airfield lighting Sheets (AtkinsRealis)			P	C	F
Airfield Guidance Sign Sheets (AVCON)			P	C	F
Fencing Sheets (AECOM)			P	C	F
Utility Sheets (AtkinsRealis/AVCON)		P	P	C	F
Fueling (AECOM)			P	C	F
Technical Specifications (AECOM but each firm own specs)			P	C	F
Quantities and Cost Estimate (AECOM/AtkinsRealis)	E	P	P	C	F
Schedule and Schedule Updates(AECOM/AtkinsRealis)	E	P	P	C	F
Alternative Analysis Report	P/C				
Batch Plant Pre-permitting (MDG/AECOM)				C	F
Engineer's Report (AECOM and all firms)				C	F
Construction Safety & Phasing Plan (AtkinsRealis/AECOM)				C	F

Status Key:

E - Exhibits

P - Preliminary

C - Complete but subject to change

F - Final

Primary responsible firm listed in parenthesis. If second or more firms then they are support.

4. **SCHEDULE**

See below schedule of deliverables below:

Contract to HCAA Board	11/06/25
Notice To Proceed (Anticipated)	11/18/25
15% Submittal	05/04/26
30% Submittal	07/27/26
60% Submittal	12/16/26
90% Submittal	04/19/27
100% Submittal	07/19/27
Final Submittal	08/16/27
Construction Completion (Anticipated)	03/30/30

5. **FEE PROPOSAL**

See Exhibit B attached for detailed breakout of the proposed fee.

EXHIBIT B FEE ESTIMATE

SUMMARY

Project Fee Proposal - AECOM Team - Summary Sheet	
RW 1R-19L & TW C RECONSTRUCTION & REHABILITATE RW 1L-19R & ASSOCIATED TAXIWAYS AND NORTHWEST RON APRON	
HCAA Project Number 8650 26 & 8660 26	
10/14/2025	
Basic Design Services	Total
Engineering Services	Fee
RW 1R-19L & TAXIWAY C RECONSTRUCTION	\$ 34,305,798.78
RW 1L-19R & ASSOCIATED TW REHABILITATION	\$ 2,300,374.59
NORTHWEST RON PARKING APRON	\$ 4,771,976.11
Subtotal	\$ 41,378,149.48
Total Fee, Reimbursable Expenses, Owner Contingency	\$ 41,378,149.48

Project Fee Proposal - AECOM Team - Summary Sheet										
RW 1R-19L & TAXIWAY C RECONSTRUCTION										
HCAA Project Number 8650 26										
10/14/2025										
Basic Design Services	15%	30%	60%	90%	100%	Bid & Award	Construction	Resident	Total	% Construction
Engineering & Preconstruction Services	Prelim Engr.	Design Dev.	Design Dev.	Const. Docs	Final Docs	Services	Administration	Inspection		Cost
AECOM Technical Services	\$ 1,656,265.80	\$ 786,420.00	\$ 1,630,419.00	\$ 1,414,434.00	\$ 1,274,490.00	\$ 74,613.00	\$ 2,011,090.65		\$ 8,847,732.45	300,000,000
AtkinsRealis	\$ 882,807.75	\$ 629,573.75	\$ 1,130,177.30	\$ 871,638.00	\$ 851,034.25	\$ 56,127.00	\$ 1,402,507.20		\$ 5,823,865.25	11.4%
Mohsen Design Group	\$ 204,738.72	\$ 153,837.28	\$ 191,680.48	\$ 132,906.72	\$ 145,357.60	\$ 21,876.64	\$ 635,251.84		\$ 1,485,649.28	7.3%
AVCON	\$ 150,408.00	\$ 155,750.40	\$ 261,115.20	\$ 221,889.60	\$ 76,824.00	\$ 21,513.60	\$ 226,224.00		\$ 1,113,724.80	
TransSolutions	\$ 238,824.00								\$ 238,824.00	
Design Phase	\$ 3,133,044.27	\$ 1,725,581.43	\$ 3,213,391.98	\$ 2,640,868.32	\$ 2,347,705.85	\$ 174,130.24	\$ 4,275,073.69	\$ -	\$ 17,509,795.78	
Reimbursable Expenses										
Northwest Surveying, Inc.	\$ 227,848.00								\$ 227,848.00	
Tierra, Inc.	\$ 116,000.00								\$ 116,000.00	
MDG - Vortex, Inc.	\$ 444,000.00								\$ 444,000.00	
AVCON -Martinez Geospatial	\$ 93,000.00								\$ 93,000.00	
TransSolutions, Inc.	\$ 36,205.00								\$ 36,205.00	
Element Engineering, Inc.	\$ 456,500.00								\$ 456,500.00	
TSF Geo, Inc.							\$ 3,015,500.00		\$ 3,015,500.00	
ARA, Incorporated	\$ 48,300.00								\$ 48,300.00	
Reimbursable Expenses Subtotal	\$ 1,421,853.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,015,500.00	\$ -	\$ 4,437,353.00	
Total Base Fee with Reimbursable Expenses	\$ 4,554,897.27	\$ 1,725,581.43	\$ 3,213,391.98	\$ 2,640,868.32	\$ 2,347,705.85	\$ 174,130.24	\$ 7,290,573.69	\$ -	\$ 21,947,148.78	
Contingency										
General Contingency		\$ 2,000,000.00							\$ 2,000,000.00	
Allowance - Ohio University modeling and testing				\$ 100,000.00			\$ 100,000.00		\$ 200,000.00	
Allowance - AECOM Resident Inspection Services								\$ 3,204,712.50	\$ 3,204,712.50	
Allowance - AtkinsRealis Resident Inspection Services								\$ 3,330,387.50	\$ 3,330,387.50	
Allowance - MDG Resident Inspection Services								\$ 1,824,270.00	\$ 1,824,270.00	
Allowance - AVCON Resident Inspection Services							\$ -	\$ 1,799,280.00	\$ 1,799,280.00	
Total Contingency		\$ 2,000,000.00	\$ -	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	\$ 10,158,650.00	\$ 12,358,650.00	
Total Fee, Allowances, Reimbursable Expenses	\$ 4,554,897.27	\$ 3,725,581.43	\$ 3,213,391.98	\$ 2,740,868.32	\$ 2,347,705.85	\$ 174,130.24	\$ 7,390,573.69	\$ 10,158,650.00	\$ 34,305,798.78	

RW 1R-19L & TAXIWAY C RECONSTRUCTION

HCAA Project Number 8650 26

10/14/2025

Milestone	Start	Complete	Duration
NTP	11/18/2025	11/18/2025	0
15% Submittal	11/18/2025	5/4/2026	167
30% Submittal/Meeting	5/4/2026	7/27/2026	84
60% Submittal/Meeting	7/27/2026	12/16/2026	142
90% Submittal/Meeting	12/16/2026	4/19/2027	124
100% Submittal/Meeting	4/19/2027	7/19/2027	91
Final Submittal/Meeting	7/19/2027	8/16/2027	28
Bid & Award	8/16/2027	12/20/2027	126
Construction Administration	12/20/2027	3/30/2030	831

15% Design Fee

Project Fee Proposal - AECOM Team											
RW 1R-19L & TAXIWAY C RECONSTRUCTION											
HCAA Project Number 8650 26											
10/14/2025											
Scope/Task		Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin		Total
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours		
Basic Design Services											
Task - 15% Design - AECOM											
Project Management		24	48						48		120
Owner Weekly Meetings (24)			48	24	24	0			24		120
Internal Team Meetings (24)			48	24	24	0			48		144
Record Drawings and Verification			8	40	40	80		80			248
Preliminary Graphics & Drawings			8	40	80	120	200	400	200		1048
Field Work Coordination with Subs & OPS			40	24	24						88
Field Inspections			40	80	40	80		120			360
Survey Reduction and Incorporation			8	80	120	200	200	400			1008
Pavement Alternative Analysis			16	80	120	140	200	200			756
Emergency Repair Bid Package			16	24	40	80	80		24		264
Existing Conditions Graphics			8	80	80	120	200	100			588
Geotechnical Data Review			8	64	80						152
Stormwater Existing Conditions Evaluation			8	120	200	200	200	400			1128
SUE Evaluations			8	40	40			100			188
Fueling Impacts and Design			8	80	80	40		120			328
Quantities and Cost Estimating			8	80	80	80	120	180			548
Schedule			16	80	80						176
Phasing Alternatives			16	80	80		200	200			576
Economic Analysis			4	80	80	120			24		308
Aircraft Simulations			8	40	80	80					208
Contractor Outreach			8	80	80	80					248
Draft 15% Alternatives Analysis Report			8	80	80	120			80		368
QA/QC Draft Report			8	40	40	8			8		104
Alternative Analysis Meeting			16	12	8				8		44
Finalize Report & Incorporate Comments			8	16	24	8			16		72
QA/QC			8	40	40	60			8		156
Final Alternative Analysis Report			8	40	40	24			24		136
	Subtotal Hours		24.00	436.00	1,468.00	1,704.00	1,640.00	1,400.00	2,300.00	-	9484
	Rate	\$	140.00	\$ 110.00	\$ 100.00	\$ 85.00	\$ 65.00	\$ 55.00	\$ 45.00	\$ 38.00	
	Subtotal Direct Labor	\$	3,360.00	\$ 47,960.00	\$ 146,800.00	\$144,840.00	\$ 106,600.00	\$ 77,000.00	\$ 103,500.00	\$ -	\$ 649,516.00
	Subtotal Burdened Labor @			2.55							\$ 1,656,265.80

15% Design Fee

[illegible]

Project Fee Proposal - AECOM Team												
RW 1R-19L & TAXIWAY C RECONSTRUCTION												
HCAA Project Number 8650 26												
10/14/2025												
Scope/Task			Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin		Total
Basic Design Services			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours		
Task -15% Design - Mohsen Design Group												
Project Management			40									40
Design Kickoff Meeting			8	8	8							24
Badging				16	16							32
Internal Team Meetings			20	20	20	20	20					100
Airfield Record Drawings and Verification			2	8	16		24					50
Preliminary Exhibits			4	8	24	8	40					84
Field Work Coordination				40								40
<i>Batch Plant Logistics</i>			4	32	32		32					100
Existing Drainage Conditions			4	24	40	80	40					188
On site Drainage CCTV				120								120
Drainage Evaluation and Draft Report			8	24	40	40	24					136
Incorporate Comments												0
QA/QC			16									16
			Subtotal Hours	106.00	300.00	196.00	148.00	180.00	-	-	-	930
			Rate	\$ 150.00	\$ 75.00	\$ 66.00	\$ 60.00	\$ 55.00	\$ 50.00	\$ 45.00	\$ 40.00	
			Subtotal Direct Labor	\$ 15,900.00	\$ 22,500.00	\$ 12,936.00	\$ 8,880.00	\$ 9,900.00	\$ -	\$ -	\$ -	\$ 70,116.00
			Subtotal Burdened Labor @		2.92							\$ 204,738.72

15% Design Fee

[illegible][illegible]

30% Design Fee

[illegible]

60% Design Fee

[illegible]

60% Design Fee

[illegible]

60% Design Fee

[illegible][illegible]

90% Design Fee

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90% Design Fee

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90% Design Fee

[illegible]

100% Design Fee

[illegible]

100% Design Fee

[illegible]

100% Design Fee

[illegible][illegible]

100% Design Fee

[illegible]

Bid and Award Fee

[illegible][illegible]

Construction Administration Fee

Project Fee Proposal - AECOM Team													
RW 1R-19L & TAXIWAY C RECONSTRUCTION													
HCAA Project Number 8650 26													
10/14/2025													
Scope/Task			Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin			Total
Basic Design Services AECOM			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours			
Task - CA Services													
Project Management			119	238						238			595
Attend PreConstruction Conference				8	16	8				4			36
Weekly Contractor's Meeting & Site Visit (119)				357	357	357				119			1190
Project Controls				119	238		476			952			1785
Construction Changes & Change Orders				240	280	360	400		800				2080
Field Inspections, Issue Resolution, Clarifications			40	40	120	240	240	200	200				1080
Review Shop Drawings				24	160	240	240			200			864
Review and Respond to RFI's				24	200	400	400						1024
Review and Approve Contractor Pay Request				80	80	120							280
Prepare Construction Management Plan				24	48	48				48			168
Review and assist with Materials Testing				16	80	120							216
Perform substantial and final inspections				40	80	120	40						280
Prepare as-builts from contractor markups				40	80	80	200	200	400	80			1080
Subtotal Hours			159.00	1,250.00	1,739.00	2,093.00	1,996.00	400.00	1,400.00	1,641.00	-		10678
Rate			\$ 140.00	\$ 110.00	\$ 100.00	\$ 85.00	\$ 65.00	\$ 55.00	\$ 45.00	\$ 38.00	\$ -		
Subtotal Direct Labor			\$22,260.00	\$ 137,500.00	\$173,900.00	\$ 177,905.00	\$ 129,740.00	\$ 22,000.00	\$ 63,000.00	\$ 62,358.00	\$ -		\$ 788,663.00
Subtotal Burdened Labor @			2.55										\$ 2,011,090.65
			12/20/2027	3/30/2030									
			days	831	hours								
			work days	593	4744	4744	4744	4744	4744	FTE	Raw		
				26%	37%	44%	42%	8%	30%	35%	2.3	\$ 73.86	

[illegible]

Construction Administration Fee

Project Fee Proposal - AECOM Team												
RW 1R-19L & TAXIWAY C RECONSTRUCTION												
HCAA Project Number 8650 26												
10/14/2025												
Scope/Task			Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin	0%	Total
			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Basic Design Services												
Task - CA Services - Mohsen Design Group												
	Project Management		40	220	440							700
	Attend Pre-Construction Meeting		8	8	8							24
	Respond to RFI's		40	80	200	120						440
	Review Submittals		40	120	200	100						460
	Grant Compliance (Interviews, Wage Reviews, BABA, DBE)											0
	Site Visits		240	180	120							540
	Substantial Inspections		16	16	16					16		64
	Final Inspections		8	8	8					8		32
	Record Drawings		8	24	40	40	80					192
	Project Closeout		20	40	80	80				80		300
		Subtotal Hours	420.00	696.00	1,112.00	340.00	80.00	-	-	104.00	-	2752
		Rate	\$ 150.00	\$ 75.00	\$ 66.00	\$ 60.00	\$ 55.00	\$ 50.00	\$ 45.00	\$ 40.00	\$ -	
		Subtotal Direct Labor	\$63,000.00	\$ 52,200.00	\$ 73,392.00	\$ 20,400.00	\$ 4,400.00	\$ -	\$ -	\$ 4,160.00	\$ -	\$ 217,552.00
		Subtotal Burdened Labor @		2.92								\$ 635,251.84

[illegible]

Resident Inspection Fee

[illegible][illegible]



September 19, 2025

AECOM
7650 W. Courtney Campbell Causeway
Tampa, FL 33607

Attn: Mr. Dennis Combs, PE

**Re: Geotechnical Scope and Fee Proposal
Runway 1R-19L and Taxiway C Reconstruction
Tampa International Airport
Tierra Project No. 6511-25-281**

Mr. Combs:

Thank you for the opportunity to be part of the AECOM Team on the referenced project. The project includes the reconstruction Runway 1R-19L and Taxiway C. Attached herein is our fee proposal for the Geotechnical Design services to support the proposed project.

GEOTECHNICAL PROJECT APPROACH

Based on the review of the published geotechnical data and information provided by AECOM, Tierra will complete the required geotechnical services for the project in accordance with the HCAA project requirements/criteria and our engineering judgment.

The geotechnical services anticipated to support the design and construction of the project are summarized as follows:

- Conduct a visual reconnaissance of the project site and coordinate utility clearance.
- Review existing plans, reports, and previous Geotech data collected by Tierra and others and incorporate previous Tierra geotechnical data in the reports.
- Perform pavement cores, Dynamic Cone Penetrometer (DCPs), and boring to provide design information for the reconstruction. Our field work will consist of the following:
 - Perform up to 30 pavement cores (15 in asphalt areas and 15 in concrete areas) at locations identified by AECOM along Runway 1R-19L, Taxiway C, and the associated connection and adjacent taxiways. At pavement core locations, the pavement section will be measured and classified and a DCP will be performed to determine the *insitu* CBR and a soil boring to a depth on the order of 8 feet below the bottom of the pavement section to evaluate the sub-base and subgrade conditions.
 - Perform on the order of 20 auger borings to a depth of 5 feet in green areas.
 - Measure groundwater tables.
- Visually classify recovered pavement and soil samples in the laboratory. Perform laboratory tests on selected representative samples to develop the soil legend for the project using the USCS. The laboratory testing will likely include grain size analyses, Atterberg Limit testing, compression strength tests on concrete cores (if required),

CBR testing, organic and natural moisture content determination and corrosion series testing, as required.

- Collect up to 4 bulk soil samples for CBR testing and incorporate into previous CBR data collected.
- Set-up cones and barricades for MOT in accordance with the lane closure permits obtained by AECOM.
- Perform engineering evaluations and analyses to develop geotechnical recommendations to support the pavement design.
- Provide signed and sealed geotechnical reports that summarize our geotechnical study including the field and laboratory test results, the engineering evaluations and analyses, and the geotechnical recommendations for the design and construction of the project.

FEE ESTIMATE - DESIGN SERVICES

It is estimated fee for performance of the above-outlined services is **\$115,903.55** based on Tierra's attached Fee Schedule. We will provide you with verbal results of tested conditions and immediately notify you should conditions impacting our scope, schedule, or cost of services occur. The proposal is based on the assumption that no hazardous materials exist on-site that would impact our investigation.

We appreciate the opportunity to offer our services to you. We look forward to working with you once again. Should you have any questions with regard to this proposal, please do not hesitate to contact this office.

Respectfully Submitted,

TIERRA, INC.

A handwritten signature in blue ink, appearing to read 'M. Novak', is written over a horizontal line.

Marc E. Novak, Ph.D., P.E.
Senior Geotechnical Engineer

Attachment:

2025-2026 Fee Schedule

Item Description	Unit	Unit Price	Quantity	Total
Field and Laboraroty Testing				
101-Aggregate Carbonates & Organic Matter FM 5-514	Test	\$ 179.00		\$ -
102-Aggregate Org. Impurities S& for Concrete AASHTO T21	Test	\$ 89.00		\$ -
103-Aggregate Shell Content of Coarse Aggregate FM 5-555	Test	\$ 126.00		\$ -
104-Aggregate Sieve Anlsys of Fine & Coarse AASHTO T27	Test	\$ 94.50		\$ -
105-Aggregate Soundness AASHTO T104	Test	\$ 385.00		\$ -
106-Aggregate Specific Gravity/Absorption Coarse AASHTO T85	Test	\$ 115.50		\$ -
107-Aggregate Total Moisture Content by Drying AASHTO T255	Test	\$ 68.50		\$ -
108-Aggregate Unit Mass & Voids AASHTO T19	Test	\$ 82.00		\$ -
109-Aggregate Specific Gravity/Absorption Fine AASHTO T84	Test	\$ 150.00		\$ -
200-Asphalt Bulk Specific Gravity FM 1-T166	Test	\$ 78.50		\$ -
201-Asphalt Content FM 5-563	Test	\$ 170.00		\$ -
204-Asphalt Gradation FM 1-T030	Test	\$ 111.00		\$ -
206-Asphalt Los Angeles (LA) Abrasion Coarse Agg FM 3-C535	Test	\$ 470.00		\$ -
207-Asphalt Los Angeles (LA) Abrasion Small Agg FM 1-T096	Test	\$ 373.00		\$ -
209-Asphalt Pavement Coring – 4" dia with Base Depth Check	Each	\$ 275.00	15	\$ 4,125.00
210-Asphalt Pavement Coring – 4" dia without Base Depth Check	Each	\$ 227.00		\$ -
211-Asphalt Pavement Coring – 6" dia with Base Depth Check	Each	\$ 345.00		\$ -
212-Asphalt Pavement Coring – 6" dia without Base Depth Check	Each	\$ 270.00		\$ -
300-Concrete Beam Flexural Testing ASTM C78	Test	\$ 66.35		\$ -
301-Concrete Compressive Strength of Grout\Mortar ASTM C109	Test	\$ 39.00		\$ -
302-Concrete Cylinder Curing, Capping & Breaking ASTM C39	Test	\$ 55.00		\$ -
303-Concrete Drilled Cores & Sawed Beams ASTM C42	Test	\$ 74.50	8	\$ 596.00
305-Concrete Pavement Coring - 4" Dia	Each	\$ 280.00	15	\$ 4,200.00
306-Concrete Pavement Coring - 6" Dia	Each	\$ 310.00		\$ -
401-Geo Auger Borings- Hand & Truck/Mud Bug	LF	\$ 15.75	100	\$ 1,575.00
402-Geo Auger Borings- Track	LF	\$ 19.80		\$ -
403-Geo Backhoe (Owned)	Day	\$ 1,500.00		\$ -
405-Geo Barge (Owned)	Day	\$ 4,200.00		\$ -
406-Geo Barge Rental (Rental without labor)	Day	\$ 5,800.00		\$ -
407-Geo Chainsaw (Owned)	Day	\$ 145.00		\$ -
415-Geo Double Ring Infiltration ASTM D3385	Each	\$ 704.00	2	\$ 1,408.00
416-Geo Dozer (Owned)	Day	\$ 1,800.00		\$ -
418-Geo Drill Crew Support Vehicle	Day	\$ 300.00	7	\$ 2,100.00
421-Geo Dynamic Pile Testing/Pile Driving Analyzer	Day	\$ 630.00		\$ -
422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft	Each	\$ 115.00		\$ -
423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft	Each	\$ 115.00		\$ -
424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft	Each	\$ 135.00		\$ -
425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft	Each	\$ 185.00		\$ -
427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft	Each	\$ 115.00		\$ -
428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft	Each	\$ 115.00		\$ -
429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 130.00		\$ -
430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 130.00		\$ -
432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method)	Each	\$ 440.00		\$ -
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 433.00	24	\$ 10,392.00
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 11.70		\$ -
436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft	LF	\$ 13.60		\$ -
437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft	LF	\$ 18.90		\$ -
438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft	LF	\$ 27.00		\$ -
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 8.05	300	\$ 2,415.00
441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft	LF	\$ 9.95		\$ -
442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 14.70		\$ -

Item Description	Unit	Unit Price	Quantity	Total
443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 19.95		\$ -
445-Geo Grouted Monitor Well 2" 000-050 Ft	LF	\$ 90.00		\$ -
450-Geo Piezometer 2" 000-050 Ft	LF	\$ 55.00		\$ -
453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID	LF	\$ 78.80		\$ -
455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID	LF	\$ 88.00		\$ -
457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID	LF	\$ 98.00		\$ -
459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID	LF	\$ 116.30		\$ -
463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID	LF	\$ 55.00		\$ -
465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID	LF	\$ 62.10		\$ -
467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID	LF	\$ 71.45		\$ -
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 39.00		\$ -
474-Geo SPT Barge/Track/Amphibious 050-100 Ft	LF	\$ 38.30		\$ -
475-Geo SPT Barge/Track/Amphibious 100-150 Ft	LF	\$ 58.25		\$ -
476-Geo SPT Barge/Track/Amphibious 150-200 Ft	LF	\$ 78.45		\$ -
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 19.50	300	\$ 5,850.00
479-Geo SPT Truck-Mud Bug 50-100 Ft	LF	\$ 22.20		\$ -
480-Geo SPT Truck-Mud Bug 100-150 Ft	LF	\$ 38.30		\$ -
481-Geo SPT Truck-Mud Bug 150-200 Ft	LF	\$ 50.50		\$ -
483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft	LF	\$ 17.75		\$ -
484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft	LF	\$ 22.30		\$ -
485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft	LF	\$ 28.45		\$ -
486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft	LF	\$ 35.30		\$ -
488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft	LF	\$ 12.75	100	\$ 1,275.00
489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft	LF	\$ 16.00		\$ -
490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft	LF	\$ 20.25		\$ -
491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft	LF	\$ 24.45		\$ -
514-Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 840.00		\$ -
515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft	Each	\$ 315.00		\$ -
516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft	Each	\$ 355.00		\$ -
517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft	Each	\$ 445.00		\$ -
518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft	Each	\$ 530.00		\$ -
519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft	Each	\$ 225.00	4	\$ 900.00
520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft	Each	\$ 250.00		\$ -
521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 310.00		\$ -
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 353.00		\$ -
525-Geo Well Development	Hour	\$ 216.00		\$ -
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 300.00	16	\$ 4,800.00
532-Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 375.00		\$ -
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	\$ 314.00		\$ -
534-Geo Track/Barge Drill Rig and Crew (3-person)	Hour	\$ 505.00		\$ -
535-Geo Clearing Equip- Tractor, Bush Hog Attachment	Day	\$ 1,950.00		\$ -
536-Geo Clearing Equip-Skid Steer/ASV, ForestMulching Attach	Day	\$ 1,700.00		\$ -
537-Geo Clearing Equip-Skid Steer/ASV, Brush Cutter Attach	Day	\$ 2,010.00		\$ -
538-Geo Clearing Equipment	Day	\$ 2,510.00		\$ -

Item Description	Unit	Unit Price	Quantity	Total
539-Geo Wash Boring for Rock Cores 0-50 Ft	LF	\$ 14.00		\$ -
540-Geo Wash Boring for Rock Cores 50-100 Ft	LF	\$ 16.25		\$ -
541-Geo Wash Boring for Rock Cores 100-150 Ft	LF	\$ 24.00		\$ -
542-Geo Wash Boring for Rock Cores 150-200 Ft	LF	\$ 27.25		\$ -
602-Mobilization-Vibration Monitoring Equipment	Each	\$ 399.00		\$ -
603-Mobilization Asphalt Coring Equipment	Each	\$ 515.00	6	\$ 3,090.00
604-Mobilization Barge Large	Each	\$ 15,400.00		\$ -
606-Mobilization Concrete Coring	Each	\$ 510.00	6	\$ 3,060.00
608 Mobilization Drill Rig Amphibious	Each	\$ 12,600.00		\$ -
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 13,000.00		\$ -
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,650.00		\$ -
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 720.00	6	\$ 4,320.00
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 1,225.00		\$ -
618-Geo Mobilization Support Boat	Each	\$ 670.00		\$ -
619-Geo Mobilization Tri-Pod	Each	\$ 1,900.00		\$ -
620-Mobilization of Clearing Equipment	Each	\$ 714.00		\$ -
701-MOT Attenuator Truck	Hour	\$ 320.00		\$ -
702-MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 5.95		\$ -
706-MOT Portable Sign	Each	\$ 64.40	60	\$ 3,864.00
708-MOT Provide Channelizing Devices - Cone	Each	\$ 9.80	180	\$ 1,764.00
710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 325.00		\$ -
712-MOT Support Vehicle	Hour	\$ 162.00	6	\$ 972.00
800-Soils Chloride Soil or Water (FM 5-552)	Test	\$ 115.00		\$ -
803-Soils Consolidation - Constant Strain (ASTM D4186)	Test	\$ 690.00		\$ -
804-Soils Consolidation - Extended Load Increments (AASHTO T216)	Day	\$ 238.00		\$ -
805-Soils Corrosion Series (FM 5-550 through 5-553)	Test	\$ 320.00	6	\$ 1,920.00
806-Soils Direct Shear Consolidated Drained/ Point AASHTO T 236	Test	\$ 440.00		\$ -
810-Soils CBR	Test	\$ 464.00	4	\$ 1,856.00
811-Soils Liquid Limit (AASHTO T 89)	Test	\$ 76.00	10	\$ 760.00
812-Soils Materials Finer than 200 Sieve (FM 1-T011)	Test	\$ 65.00	30	\$ 1,950.00
817-Soils Moisture Content Laboratory (AASHTO T 265)	Test	\$ 23.80	20	\$ 476.00
819-Soils Organic Content Ignition (FM 1 T-267)	Test	\$ 61.00	6	\$ 366.00
821-Soils Particle Size Analysis (AASHTO T 88) (Including Hydrometer)	Test	\$ 250.00		\$ -
822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer)	Test	\$ 98.00	5	\$ 490.00
823-Soils Permeability Constant Head (AASHTO T 215)	Test	\$ 445.00		\$ -
824-Soils Permeability Falling Head (FM 5-513)	Test	\$ 385.00		\$ -
825-Soils pH Soil or Water (FM 5-550)	Test	\$ 65.00		\$ -
826-Soils Plastic Limit & Plasticity Index (AASHTO T 90)	Test	\$ 76.00	10	\$ 760.00
827-Soils Proctor Modified (FM 1-T 180)	Test	\$ 165.00		\$ -
828-Soils Proctor Standard (AASHTO T 99)	Test	\$ 165.00		\$ -
829-Soils Resistivity Soil or Water (FM 5-551)	Test	\$ 73.00		\$ -
832-Soils Splitting Tensile Strength of Rock Cores (ASTM D3967)	Test	\$ 195.00		\$ -
833-Soils Sulfate Soil or Water (FM 5-553)	Test	\$ 80.00		\$ -
838-Soils Unconfined Compression - Rock (ASTM D7012, Method C)	Test	\$ 250.00		\$ -

Item Description	Unit	Unit Price	Quantity	Total
Engineering and Technical Services				
Chief Engineer 2	Hour	\$ 289.14	6	\$ 1,734.84
Engineer 1	Hour	\$ 173.17	29	\$ 5,021.93
Engineer 2	Hour	\$ 188.39	29	\$ 5,463.31
Engineering Intern	Hour	\$ 138.60	57	\$ 7,900.20
Engineering Technician	Hour	\$ 110.05	29	\$ 3,191.45
Principal Engineer	Hour	\$ 287.65	9	\$ 2,588.85
Secretary/Clerical	Hour	\$ 134.85	6	\$ 809.10
Senior Designer	Hour	\$ 155.00	43	\$ 6,665.00
Senior Engineer 1	Hour	\$ 271.99	37	\$ 10,063.63
Senior Engineer 2	Hour	\$ 220.57	14	\$ 3,087.98
Senior Engineering Technician	Hour	\$ 141.14	29	\$ 4,093.06
Total Estimated Fee =				\$ 115,903.35



October 13, 2025

Mr. Dennis Combs, PE
AECOM
7650 West Courtney Campbell Causeway, Suite 700
Tampa, Florida 33607

RE: TPA Runway 1R/19L
NSI Proposal No. 250910

Revision 1

Dear Mr. Combs:

Thank you for the opportunity to submit this fee proposal for surveying services at the above referenced project.

The scope of work included in this proposal is a Topographic Survey of Runway 1R/19L as shown on the attached Exhibit "C".

Specifically, we will establish horizontal and vertical control points for the Geotech firm, the scanning firm, the contractor and our use as well.

The horizontal datum will be NAD 83/2011 adjustment and the vertical datum will be NAVD 88.

Northwest Surveying Inc. (NSI) will obtain the soft shot elevations at 50' intervals, survey and map all topographic features within the survey limits, to include drainage structures, pipe data, a photo of each structure and any unknown topographic feature.

G.F. Young will perform Mobil Lidar Scanning of all hard surfaces within the survey limits. The scan will include topographic features located on the hard surfaces, the PCC slab limits/seams, shoulders and elevations at 25 foot intervals. The scan data will be merged with the ground survey topography to generate a comprehensive topographic map of the entire surveyed and scanned area along with a 3D surface.

We will mobilize two field crews which will require access to Runway 1R/19L, the ramp area at Airside "A" and "C", Taxiways "C" and "E" for three days. The remaining survey limits can be completed in 8 days with limited interruption to airfield operations.

The deliverables will be signed PDF maps and a 3D surface to be submitted 6 weeks from field work completion date.

Our fee to perform the surveying services described above will be	\$ 58,025.00
G.F. Young proposal (see attached)	<u>\$110,000.00</u>
Total	\$168,025.00

Optional Services

Our fee to perform a 100' grid Topographic Survey of the area for the proposed Batch Plant will be	\$ 21,278.00
--	--------------

Grand Total	~~\$138,943.00~~
--------------------	--------------------------------

All of the work will be performed under the direct supervision of a Professional Land Surveyor and will meet or exceed the Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J17.050 to 5J17.052, Florida Administrative Code, pursuant to Section 472.027 Florida Statutes.

If you have any questions, please do not hesitate to contact our office.

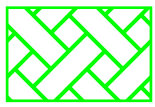
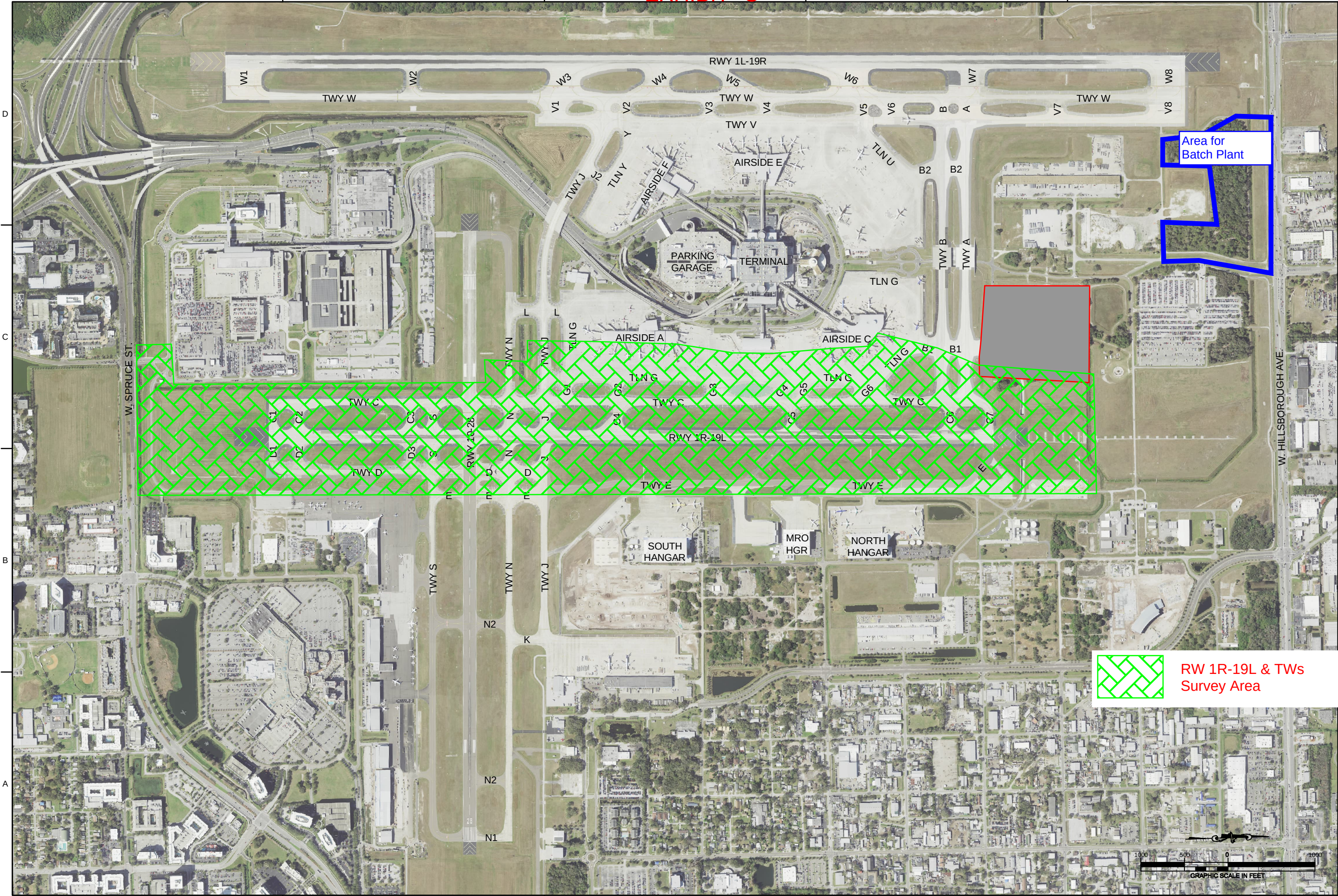
Sincerely,

NORTHWEST SURVEYING, INC.

A handwritten signature in black ink, appearing to read "Gerald Silva". The signature is fluid and cursive, with the first name "Gerald" being more prominent than the last name "Silva".

Gerald Silva, PSM
President

FILE NAME: D:\Civil 3D Projects\TPA RW 1R-19L Rehab\2024-05-14 RW 1R Reconstruction\Plan\Sketches\PAVING PLAN.dwg LAYOUT NAME: AERIAL-OVERALL PLOTTED: Wednesday, September 04, 2024 - 2:10pm USER: bob.morris



RW 1R-19L & TWs
Survey Area

Area for
Batch Plant



PROJECT NAME RUNWAY 1R-19L REHABILITATION AND TAXIWAY C RECONSTRUCTION		 Tampa International Airport		HILLSBOROUGH COUNTY AVIATION AUTHORITY TAMPA, FLORIDA		DATE	REVISIONS	BY
SHEET TITLE 2023 AERIAL		 AECOM Technical Services Inc. 7650 West Courtney Campbell Causeway Campbell Causeway Tampa, FL 33607-1462 Tel: 813.286-1711 C.A. No. 8115						
DESIGNED: RJM								
DRAWN: RJM								
CHECKED: DGC								
HCAA NO.: JOB NO.: 60695347								
DATE: AUGUST 2024								
SHEET 1 OF 10								
1								
SHEET NO.:								



September 24, 2025

Gerald “Jerry” Silva, PSM
President
Northwest Surveying, Inc.
8409 Sunstate St.
Tampa, FL 33634

RE: Tampa International Airport – Mobile LiDAR – RW 1R-19L_Taxiways

Dear Mr Silva

It is our understanding that you require the assistance of a Professional Surveyor and Mapper for survey and mapping services for the above referenced property. Pursuant to your request, attached herewith is our proposal for professional services.

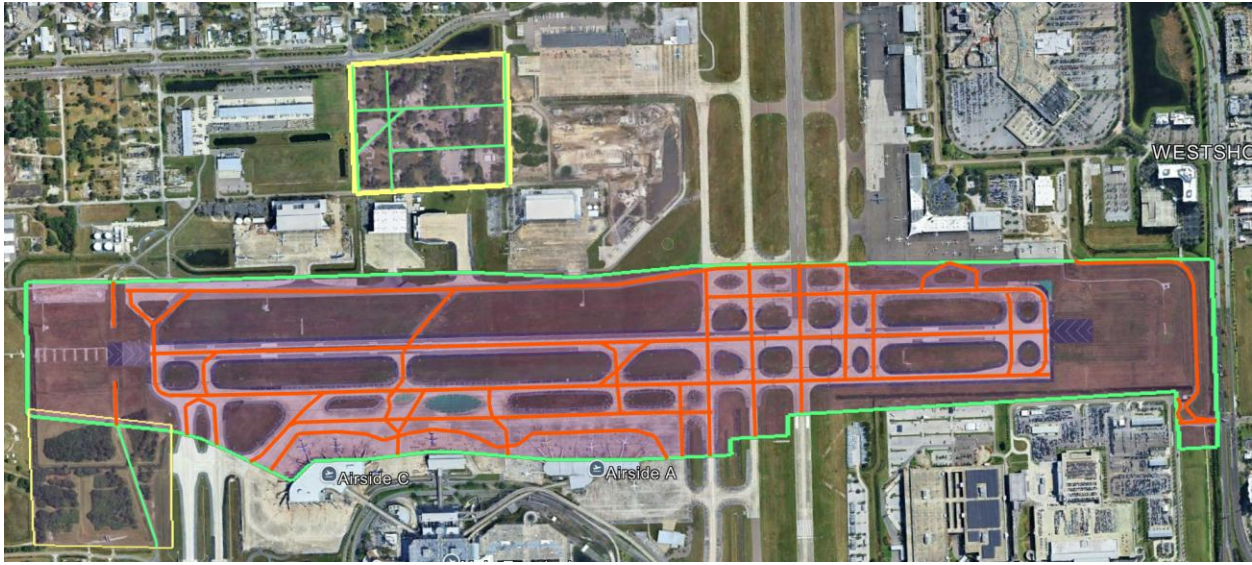
Scope of Services:

- Mobile LiDAR Scan with images of the Tampa International Airport as out lined in as the Scope of work for the 1R-19L Runway and Taxiways in the provided overall “RW 1R-19L.pdf” that was provided by Northwest Surveying, Inc. detailing the scope of work in Tampa, FL. The project will be subject to the following guidelines and assumptions.
 - Survey access is available during day under the direction of Airport Operations; we anticipate that the data collection will be done over the course of no more than 1 day.
 - This is providing weather is permittable and surfaces are dry.
 - GFY, Inc. must have at least 7-10 business days notice prior to commencing data collection onsite.
 - Client will arrange runway and taxi closures.
 - Client will arrange any escorting vehicles, radios for communication with Tower if needed or any other communication devices needed for Airport Operations.
 - LiDAR for this will be collected as per “TPA 2013 GEODETIC CONTROL BASE.pdf” provided by the Client.
 - Client will provide MOT (as per Survey Note 11) if required and/or other safety plans as needed.
 - Client will provide Civil 3D code list prior to any data collection.
 - Client will ensure all non-runway and taxiway sites will be cleared prior to scanning.

Deliverables:

- GFY shall also provide the final deliverable in an electronic version of the survey in AutoCAD Civil 3D 2018 “DWG” format and “PDF” transmitted by electronic means.
- 2D concrete joint location map as per Survey Note: 7.
- 2D features of objects that are only on the paved surfaces as per Survey Note 3.
- 3D DTM Survey of all paved surfaces that were mobile scanned as per KMZ from GFY, Inc.

Scope of Work:



The fee for the above services is **\$110,000.00**.

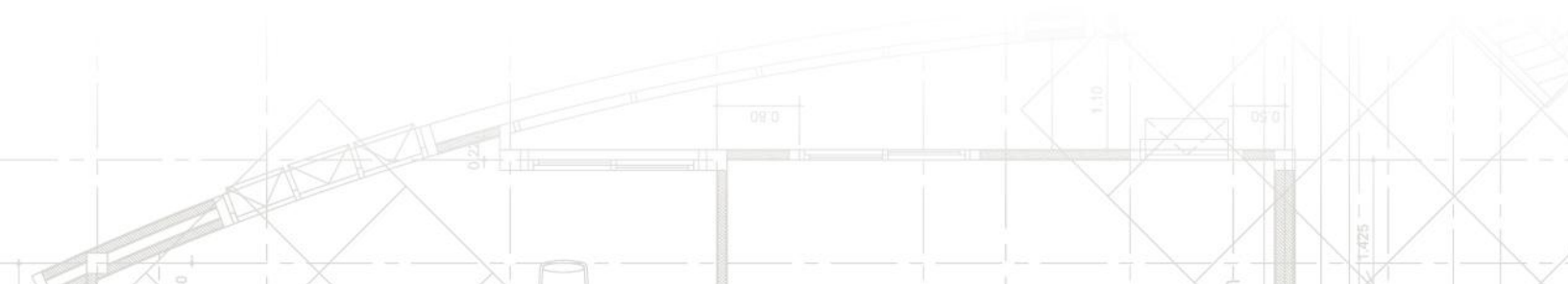
Please forward a Professional Survey Services Agreement for our review and signature. We look forward to working with you on this and if you have any questions regarding this proposal, please do not hesitate to contact me at your convenience.

Sincerely,

GEORGE F. YOUNG, INC.



Trevor Hatch, PSM
Vice President Surveying – St Pete





Northwest Surveying, Inc.
A certified MBE/DBE/SBE Corporation
8409 Sunstate Street. Tampa, Florida 33634-1309
(813) 889-9236; Fax: (813) 886-3315
www.nsitampa.com

September 24, 2025

Mr. Dennis Combs, PE
AECOM
7650 West Courtney Campbell Causeway, Suite 700
Tampa, Florida 33607

RE: TPA Staging Area
NSI Proposal No. 250911

Dear Mr. Combs:

Thank you for the opportunity to submit this fee proposal for surveying services at the above referenced project.

The scope of work included in this proposal is a Topographic Survey of the area shown on the attached Exhibit "D".

Specifically, we will establish horizontal and vertical control points for the contractor and our use.

The horizontal datum will be NAD 83/2011 adjustment and the vertical datum will be NAVD 88.

Given that vegetation has obscured much of the roadways, we will perform a 100' grid Topographic Survey of the surrounding roads and survey the visible areas of the interior roads as much as possible,

We will cross section the ditches however drainage structures, manmade features, trees and right of way lines are not included.

The deliverables will be signed PDF maps and a 3D surface to be submitted 5 weeks from your notice to proceed date.

Our fee to perform the surveying services described above will be **\$38,545.00**

All of the work will be performed under the direct supervision of a Professional Land Surveyor and will meet or exceed the Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J17.050 to 5J17.052, Florida Administrative Code, pursuant to Section 472.027 Florida Statutes.

If you have any questions, please do not hesitate to contact our office.

Sincerely,

NORTHWEST SURVEYING, INC.

A handwritten signature in black ink that reads "Gerald Silva". The signature is written in a cursive, flowing style.

Gerald Silva, PSM
President

FILE NAME: D:\Civil 3D Projects\TPA RW 1R-19L Rehab\2024-05-14 RW 1R Reconstruction Palm Jct\Sketches\PAVING PLAN.dwg LAYOUT NAME: AERIAL-OVERALL PLOTTED: Wednesday, September 04, 2024 - 2:10pm USER: bob.morris

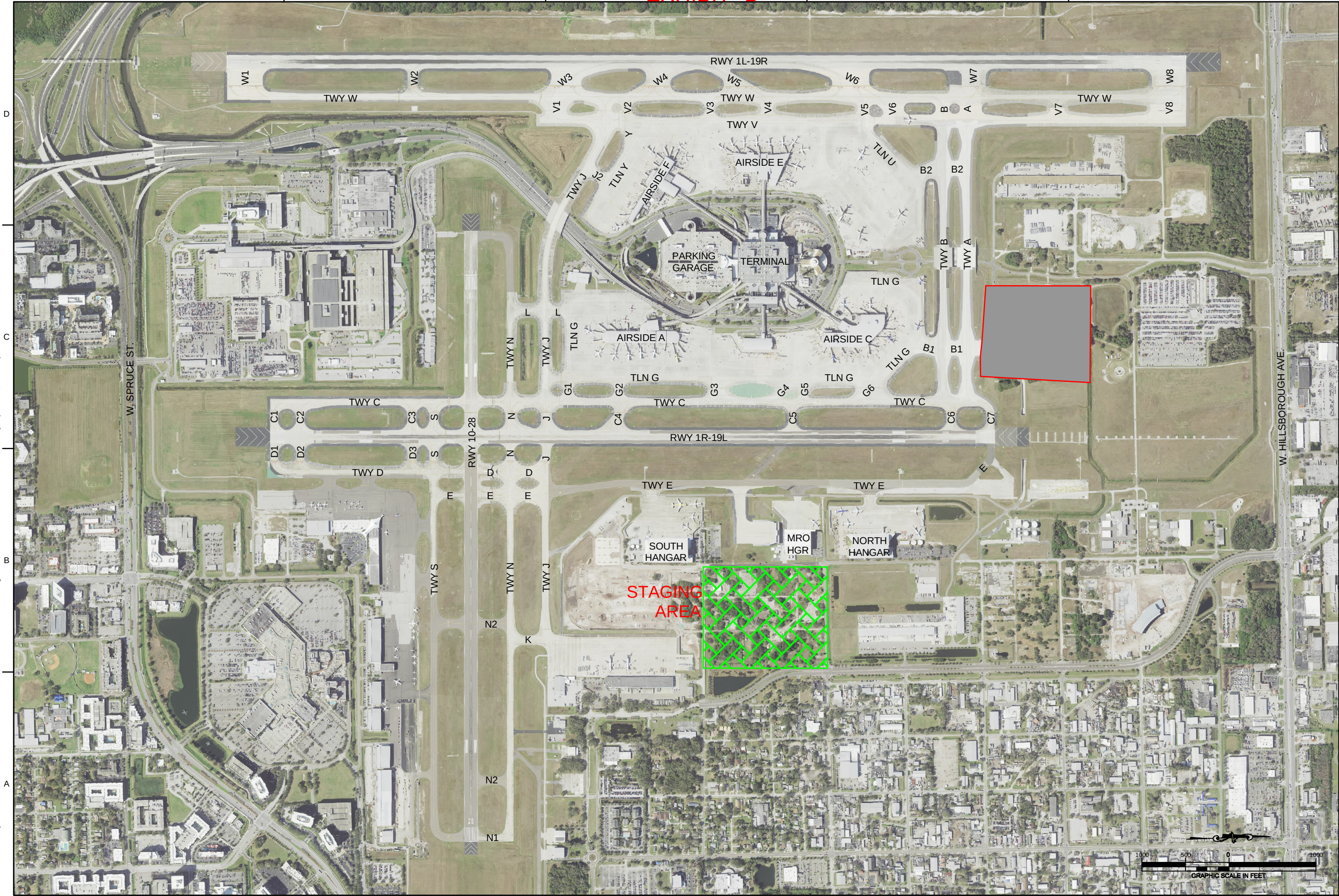


EXHIBIT "D"

PROJECT NAME		HILLSBOROUGH COUNTY AVIATION AUTHORITY		DATE	REVISIONS	BY
RUNWAY 1R-19L REHABILITATION AND TAXIWAY C RECONSTRUCTION		TAMPA, FLORIDA				
SHEET TITLE		AECOM				
2023 AERIAL		AECOM Technical Services Inc. 7650 West Courtney Campbell Causeway Campbell Causeway Tampa, FL 33635 Tel: 813.386.7111 Fax: 813.386.7112				
DESIGNED: RJM						
DRAWN: RJM						
CHECKED: DGC						
HCAA NO.:						
JOB NO.:						
DATE: AUGUST 2024						
SHEET 1 OF 10						
SHEET NO.:						

September 19, 2025

AECOM

ATTN: Dennis Combs, P.E.
7650 West Courtney Campbell Causeway
Tampa, FL 33607

**RE: Runway 1R-19L and Taxiways
Price Proposal for Designating & Locating Services**

Dear Mr. Combs:

In accordance with your request, Element Engineering Group, LLC (ELEMENT) is pleased to submit our proposal to provide Professional Surveying and Mapping and Subsurface Utility Engineering (SUE) services.

DESCRIPTION OF SERVICES

ELEMENT will provide technicians, equipment, and special tools to perform a subsurface utility engineering investigation and survey of the project area.

Subsurface Utility Engineering (SUE):

ELEMENT will provide technicians, equipment and special tools to designate the horizontal position and locate/verify the precise horizontal and vertical position of existing utilities in the specified area shown on Exhibit 'A' using the procedures and techniques described below.

SUE Designating (Quality Level B)

ELEMENT will provide technicians, equipment and special tools including multiple handheld electromagnetic (EM) locators and ground-penetrating radar (GPR) to designate and mark the horizontal position of existing utilities within the project limits as shown in Exhibit 'A'. ELEMENT will mark the horizontal position of existing utilities within an approximate 5-foot radius from the center of each proposed geotechnical field exploration/boring location as provided by the geotechnical engineering consultant.

Electromagnetic (EM) induction is a method in which a transmitter signal is applied by directly coupling to a metallic target. A receiver is then used to detect the transmitted signal. Passive detection is another technique used to locate naturally occurring magnetic fields that exist on power cables generating a 50/60 Hz. signal. Additionally, Very Low Frequency (VLF) signals can be detected on other metallic utilities that are typically long in length and are well grounded electrically. Some utility systems contain portions of non-metallic material and, therefore, we may not be able to locate using EM techniques. Ground Penetrating Radar (GPR) uses a high frequency radio signal that is transmitted into the ground and reflected signals are returned to the receiver for storage on digital media. The computer measures the time taken for a pulse to travel to and from the target indicating its depth and location. The reflected signals are interpreted by the system and displayed on the unit's LCD panel. Utilization of the equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

SUE Locating (Quality Level A)

ELEMENT will provide technicians, equipment, and special tools to locate the horizontal and vertical position of requested utilities within the topographic area shown on Exhibit 'A'. ELEMENT will perform a maximum of one hundred twenty (120) SUE Quality Level A Locates/Test Holes.

Test holes (Vacuum excavation) is a technique used to safely expose utilities by using a combination of compressed and vacuum air. Once the utility has been exposed, depth, diameter and material type can be obtained.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

Survey of SUE

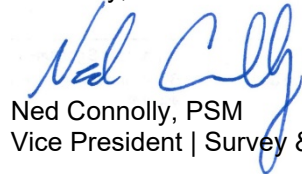
ELEMENT will provide technicians, equipment, and special tools to complete survey of the SUE Designating and Locating. The SUE data will be processed, reviewed, and put into AutoCAD for delivery. All work shall be performed in accordance with the minimum requirements of Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Professional Service Fees (Not to Exceed Maximum Fee):

<u>Classification</u>	<u>Crew Days</u>	<u>Staff Hours</u>	<u>Rate</u>	<u>Sub-Total</u>
Survey Crew	38.0	N/A	\$1,900.00	\$72,200.00
Designating Crew	95.0	N/A	\$2,100.00	\$199,500.00
Locating Crew	30.0	N/A	\$2,250.00	\$67,500.00
Senior Surveyor & Mapper	N/A	73.0	\$264.00	\$19,272.00
SUE Project Manager	N/A	182.0	\$200.00	\$36,400.00
SUE / Survey CADD Technician	N/A	473.0	<u>\$130.00</u>	<u>\$61,490.00</u>
		TOTAL		\$456,362.00

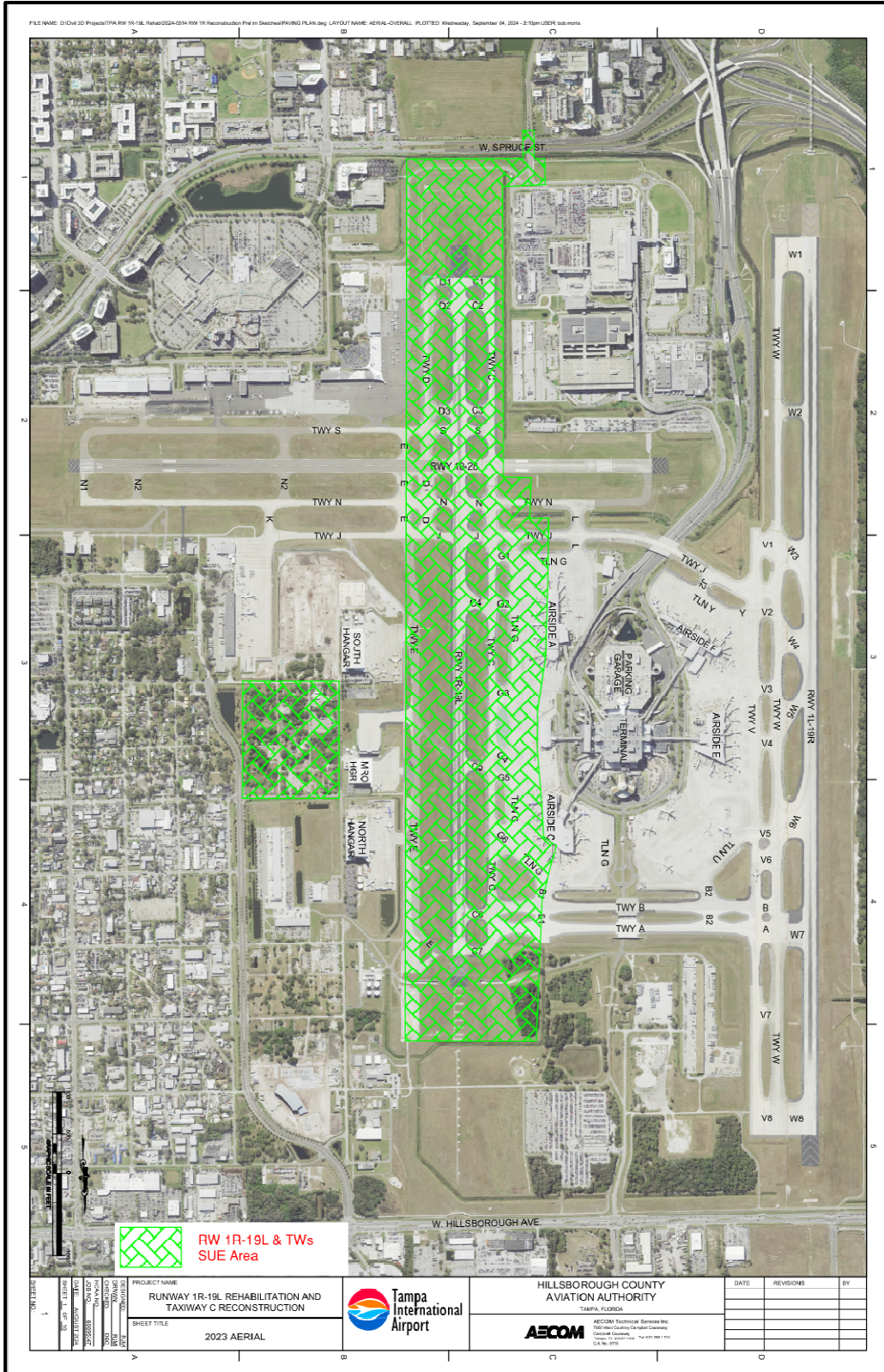
Schedule: If you have any questions or need additional information, please do not hesitate to contact me. Again, we appreciate this opportunity and look forward to working with you on this project.

Sincerely,



Ned Connolly, PSM
Vice President | Survey & SUE Group Manager

EXHIBIT 'A'





October 13, 2025

Attention: Mr. Dennis Combs, P.E.

Re: **Rate Sheets for Construction Material Testing Services
TPA RW 1R-19L (Revised), RW 1L-19R Complex (Revised), & NW RON Parking
(Revised)
Tampa, Florida**

Dear Dennis:

TSFGEO is pleased to submit this proposal for Construction Material Testing Services in support of upcoming airfield improvement projects at Tampa International Airport. This proposal provides a summary of our understanding of the work, an outline of our proposed services, and an estimate of the associated fees.

PROJECT CONSIDERATIONS

Based on the information provided, the proposed work may include new pavement construction, rehabilitation of existing pavement, subgrade and base course improvements, drainage and utility installations, and associated structural features. These activities are anticipated to involve subgrade stabilization (P-152), base construction (P-209/P-211/P-306), Portland cement concrete pavement (P-501), and asphalt paving (P-401/P-403), along with associated stormwater and lighting foundations.

PROPOSED SCOPE OF SERVICES

Construction Materials Testing

- **Soils:** Field density testing of compacted fills and bases; laboratory proctors, gradations, and LBR testing as required.
- **Concrete:** Field testing of fresh concrete (slump, air, temperature, unit weight) and molding of compressive strength cylinders and flexural beams, if required. Laboratory compressive/flexural testing at designated ages.
- **Asphalt:** Plant and field technician services, asphalt coring for thickness and density verification, extraction and gradation testing, and monitoring of paving operations.
- **Utilities/Drainage:** Density testing of trench and structure backfill; observation of culvert and manhole installation as needed.

Professional Services

- Provide senior technician support for drilled shafts, structural foundations, or specialty items.
- Assign a Project Manager and Professional Engineer to oversee field and laboratory activities, attend meetings, review test reports, and provide sealed deliverables.
- Provide administrative support for scheduling, coordination, and timely report distribution.

FEES

Our services will be provided on a unit-rate basis according to the attached fee schedule. Estimated quantities and testing frequencies have been developed based on preliminary project information and FAA/FDOT specifications. Invoices will be submitted monthly for services performed.

FEE ASSMPTIONS

- Quantities and testing frequencies are based on preliminary project data and FAA/FDOT specifications (P-152, P-209, P-306, P-401, P-403, P-501).
- Asphalt paving assumed to occur over multiple days for plant and field coverage. Cores are based on estimated shoulder and select pavement quantities.
- Earthwork/backfill density tests assume typical lift thicknesses and accessible test locations; box culvert and drainage structures carried at 1 test per 300 LF per lift.
- Technician hours include anticipated night/weekend coverage; senior technician time carried for ~10 drilled shafts at 12–15 hr/shaft.
- Proctors, LBR, and gradations assumed per source change or material type.
- Fees exclude major schedule extensions, excessive standby time, or additional mobilizations not reflected in the assumed construction durations.
- All fees are unit-rate and will be billed on actual quantities tested and hours worked.

Respectfully submitted,
TSFGEO



Tyler F. Gorman
Construction Services Manager



Amy L. Guisinger, P.E.
Principal Engineer



Dennis Mitchell, P.E.
Geotechnical Engineer

Attachments:
Fee Schedule

TIERRA SOUTH FLORIDA, INC
STANDARD UNIT FEE SCHEDULE

TSFGeo
FEE PROPOSAL FOR CMT SERVICES
RUNWAY 1R-19L
October 13, 2025

Scope: The general scope of work consists of construction materials testing and inspection services and any other related services. The Schedule of Fees and Services shown below provides the standard services that may be requested.

	Unit	# of Units	Unit Price	Total
I. SOIL TESTING				
Field Density Test (five [5] minimum)	Test	3000	\$ 55.00	\$ 165,000.00
Proctors	Test	65	\$ 150.00	\$ 9,750.00
California/Limerock Bearing Ratio Test	Test	65	\$ 500.00	\$ 32,500.00
Atterberg Limit Test	Test		\$ 105.00	\$ -
Carbonate Content Test	Test		\$ 125.00	\$ -
Organic Content Test	Test		\$ 65.00	\$ -
Corrosion Series	Test		\$ 225.00	\$ -
Natural Sample Moisture Content	Test		\$ 35.00	\$ -
Unit Weight and Moisture Content	Test		\$ 85.00	\$ -
			Subtotal	\$ 207,250.00
II. CONCRETE & MASONRY MATERIALS				
Concrete Compression test (min four [4] cylinders per trip)	Set	680	\$ 140.00	\$ 95,200.00
- Prepare cylinders & slump test on site, and deliver to lab				
Concrete Flexural test	Set	600	\$ 175.00	\$ 105,000.00
- Prepare beams & slump test on site, and deliver to lab				
Additional Concrete Cylinders	Each		\$ 40.00	\$ -
Concrete Compression test only [delivered to lab by others]	Each		\$ 30.00	\$ -
	Each		\$ 30.00	\$ -
Concrete Cores (Minimum of 3 cores)				
- Secure, trim and test	Each		\$ 225.00	\$ -
-Testing of core [delivered to lab]	Core		\$ 65.00	\$ -
			Subtotal	\$ 200,200.00
III. AGGREGATE TESTING				
Grain-size Determination				
a. Full (8 sieves)	Test	130	\$ 90.00	\$ 11,700.00
b. Wash (#200)	Test		\$ 75.00	\$ -
Sieve Analysis - Coarse Aggregate	Test	375	\$ 90.00	\$ 33,750.00
Specific Gravity & Absorption of Fine or Coarse Aggregate	Test		\$ 100.00	\$ -
			Subtotal	\$ 45,450.00
IV. ASPHALT TESTING				
Asphalt Coring (Minimum of 3 cores)	Each		\$ 175.00	\$ -
Asphalt Extraction & Gradation	Each	400	\$ 195.00	\$ 78,000.00
Asphalt Density & Thickness	Each	400	\$ 45.00	\$ 18,000.00
Marshall Stability (incl. density, flow & stability of 3 specimens)	Test	400	\$ 185.00	\$ 74,000.00
Coring Machine plus Generator Rental	Day		\$ 450.00	\$ -
Asphalt Plant Technician	Day	100	\$ 1,100.00	\$ 110,000.00
Asphalt Paving Technician	Day	100	\$ 1,000.00	\$ 100,000.00
			Subtotal	\$ 380,000.00
V. ON-SITE LABORATORY				
Lab Set-up/Mobilization	Each	1	\$ 110,000.00	\$ 110,000.00
Monthly Operating Expense	Month	24	\$ 2,000.00	\$ 48,000.00
Lab Demobilization	Each	1	\$ 2,500.00	\$ 2,500.00
			Subtotal	\$ 160,500.00
VI. ENGINEERING AND HOURLY RATES				
Principal Engineer	Hour	100	\$351.68	\$ 35,168.00
Project Engineer	Hour	200	\$252.79	\$ 50,558.00
Staff Engineer	Hour		\$173.10	\$ -
Project Manager	Hour	1872	\$241.77	\$ 452,593.44
Technician	Hour	12480	\$118.87	\$ 1,483,497.60
			Subtotal	\$ 2,021,817.04
			Total	\$ 3,015,217.04



To:	MDGINC	Contact:	Karla Dowd
Address:	2202 N. Westshore Blvd., Suite 200 Tampa, FL	Phone:	
		Email:	karla@mdginc.us
Project Name:	FL- TPA RW Rehab - RW1R And TWC Rev	Bid Number:	2511111
Project Location:	Tampa, FL	Bid Date:	9/24/2025

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Hourly Day Time (7am-5pm) Rate Vac Truck & CCTV Truck & Operators *5 Hr Minimum Per Day, Travel Time Will Be Billed Port To Port	388.00	HR	\$550.00	\$213,400.00
2	Hourly Night Time (5pm-7am) Rate Vac Truck & CCTV Truck & Operators *5 Hr Minimum Per Day, Travel Time Will Be Billed Port To Port	10.00	HR	\$635.00	\$6,350.00
3	Sonar - Surcharge Per LF, Billed As Needed For Box Culvert Inspection	820.00	LF	\$4.50	\$3,690.00
4	Dewatering Using 6inch Pump, 500' Discharge And (2) Pipe Plugs, Billed Per Day, As Needed	5.00	DY	\$5,800.00	\$29,000.00

Total Bid Price: \$252,440.00

Notes:

- Dewatering as outlined above, Box culvert dewatering if required, can be priced separately once a site visit can be completed.
- All maintenance of traffic (MOT) and / or traffic control will be provided by Others.
- Owner to supply hydrant for Vortex crews to pull water for cleaning operation, Vortex to provide water meter.
- Owner will provide access to each and every manhole and or structure. This may include but not limited locating, exposing, and raising buried MH's prior to our crew mobilizing.
- Owner will be responsible for providing an onsite disposal area for any debris removed from the storm pipes. It will then be the Owner's responsibility to properly haul off and dispose this material.
- If necessary, Owner will provide Permits & Fees. Vortex will provide our standard insurance coverage. OCP or railroad insurance & or longshoreman insurance is not included.
- Water used to clean pipe segment or box culvert to be decanted in the pipe segment or adjacent pipe/outfall area. Vortex crews to provide turbidity curtain , if Required.
- Mechanical Cleaning / Tuberculation removal not included in bid proposal.
- If bond is needed please add 1.5%.
- Our Bid Proposal is valid for 60 days from the bid date.
- Site Restoration will be performed by Others.
- This is an hourly priced contract. Billable hours will be based on actual hours worked (including port to port). 5 hour minimum will be billed per day
- Mobilization will be charged at the hourly rate.
- Pricing includes standard wages. No union or prevailing wages are figured in our proposal.
- Payment terms: Vortex will be paid within (7) Days after contractors receipt of payment from owner.
- Vortex's bid proposal shall be incorporated into the subcontract agreements. Vortex will initiate this project upon an agreement or receipt of a subcontract or purchase order. Copies of payment and performance bonds must be provided to Vortex.
- Any delays outside of weather and / or beyond our control will be billed at \$550 / hr.
- Proposal is based on normal working hours 7am-5pm. Night time work 5pm-7am, if Required, will be billed as outlined above.
- If needed, Owner will provide escort to the airport job site throughout the duration of the project and all communications with airport control tower.
- If site specific safety training or access badging is needed, we will invoice any training or badging at \$550 per hour for the entire crew (*as needed). Vortex to supply (2) two individuals to be trained to escort crews.

ACCEPTED:

The above prices, specifications and conditions are satisfactory and are hereby accepted.

Buyer: _____

Signature: _____

Date of Acceptance: _____

CONFIRMED:

Vortex Services LLC

Authorized Signature: _____

Estimator: Tommy Robertson

407-509-6633 trobertson@vortexcompanies.com



To:	MDGINC	Contact:	Karla Dowd
Address:	2202 N. Westshore Blvd., Suite 200 Tampa, FL	Phone:	
		Email:	karla@mdginc.us
Project Name:	FL- TPA RW Rehab - RW1L Rev	Bid Number:	2511111-1
Project Location:	Tampa, FL	Bid Date:	9/26/2025

In this revision we are Including:

30" x 94'

18" x 82'

36" x 512', 113', 192' = 817'

24" x 65'

72" x 294', 154', 218' = 666'

48"x 217',83' = 300'

Also, 24,000 LF of 6" underdrain with cleanouts every 350'

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Hourly Day Time (7am-5pm) Rate Vac Truck & CCTV Truck & Operators *5 Hr Minimum Per Day, Travel Time Will Be Billed Port To Port	156.50	HR	\$550.00	\$86,075.00
2	Hourly Night Time (5pm-7am) Rate Vac Truck & CCTV Truck & Operators *5 Hr Minimum Per Day, Travel Time Will Be Billed Port To Port	10.00	HR	\$635.00	\$6,350.00
3	Sonar - Surcharge Per LF, Billed As Needed For Box Culvert Inspection	820.00	LF	\$4.50	\$3,690.00
4	Dewatering Using 6inch Pump, 500' Discharge And (2) Pipe Plugs, Billed Per Day, As Needed	5.00	DY	\$5,800.00	\$29,000.00
5	24,000' Of 6" Underdrain, Cleanouts Every 350LF- Hourly Day Time (7am-5pm) Rate Vac Truck & CCTV Truck & Operators *5 Hr Minimum Per Day, Travel Time Will Be Billed Port To Port	120.00	HR	\$550.00	\$66,000.00

Total Bid Price: \$191,115.00

Notes:

- - Dewatering as outlined above, Box culvert dewatering if required, can be priced separately once a site visit can be completed.
 - All maintenance of traffic (MOT) and / or traffic control will be provided by Others.
 - Owner to supply hydrant for Vortex crews to pull water for cleaning operation, Vortex to provide water meter.
 - Owner will provide access to each and every manhole and or structure. This may include but not limited locating, exposing, and raising buried MH's prior to our crew mobilizing.
 - Owner will be responsible for providing an onsite disposal area for any debris removed from the storm pipes. It will then be the Owner's responsibility to properly haul off and dispose this material.
 - If necessary, Owner will provide Permits & Fees. Vortex will provide our standard insurance coverage. OCP or railroad insurance & or longshoreman insurance is not included.
 - Water used to clean pipe segment or box culvert to be decanted in the pipe segment or adjacent pipe/outfall area. Vortex crews to provide turbidity curtain , if Required.
 - Mechanical Cleaning / Tuberculation removal not included in bid proposal.
 - If bond is needed please add 1.5%.
 - Our Bid Proposal is valid for 60 days from the bid date.
 - Site Restoration will be performed by Others.
 - This is an hourly priced contract. Billable hours will be based on actual hours worked (including port to port). 5 hour minimum will be billed per day
 - Mobilization will be charged at the hourly rate.
 - Pricing includes standard wages. No union or prevailing wages are figured in our proposal.
 - Payment terms: Vortex will be paid within (7) Days after contractors receipt of payment from owner.
 - Vortex's bid proposal shall be incorporated into the subcontract agreements. Vortex will initiate this project upon an agreement or receipt of a subcontract or purchase order. Copies of payment and performance bonds must be provided to Vortex.
 - Any delays outside of weather and / or beyond our control will be billed at \$550 / hr.
 - Proposal is based on normal working hours 7am-5pm. Night time work 5pm-7am, if Required, will be billed as outlined above.
 - If needed, Owner will provide escort to the airport job site throughout the duration of the project and all communications with airport control tower.
 - If site specific safety training or access badging is needed, we will invoice any training or badging at \$550 per hour for the entire crew (*as needed). Vortex to supply (2) two individuals to be trained to escort crews.

ACCEPTED:

The above prices, specifications and conditions are satisfactory and are hereby accepted.

Buyer: _____

Signature: _____

Date of Acceptance: _____

CONFIRMED:

Vortex Services LLC

Authorized Signature: _____

Estimator: Tommy Robertson

407-509-6633 trobertson@vortexcompanies.com



A GEOSPATIAL SERVICE PROVIDER

Scope and Fee Proposal

Survey & Photogrammetry Services

Tampa International Airport (TPA)

10/07/2025

2915 Waters Road Suite 100 Eagan, Minnesota 55121

Tel: 651-686-8424 • www.mtzgeo.com

PROJECT SUMMARY

CLIENT	AVCON
CLIENT CONTACT	Michael Coppage
CLIENT ADDRESS	5550 W Idlewild Ave, Ste 102 Tampa, FL 33634
PROJECT LOCATION	Tampa International Airport (TPA) Tampa, Florida

Martinez Geospatial, Inc. (MTZ) will provide **AVCON** with Survey and Photogrammetry services in support of a **PAPI Siting Analysis** at **Tampa International Airport (TPA)**.

This scope DOES NOT include tasks required to comply with FAA Airports-GIS program standards.

PROJECT SPECIFICATIONS

STATE	FLORIDA
COUNTY	HILLSBOROUGH
PROJECT TYPE	AVIATION (AIRPORTS-GIS NOT INCLUDED)
COORDINATE SYSTEM	FLORIDA STATE PLANE – WEST ZONE
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88 (GEOID18)
FIELD-SURVEY PROVIDED BY	MARTINEZ GEOSPATIAL
ORTHO RES & PHOTO FORMAT	0.50' GSD, TIF & SID FORMAT

PROJECT PURPOSE

The purpose of this project is to collect and analyze high-accuracy and high-confidence photogrammetric/survey data for obstacles affecting the PAPI Obstruction-Identification-Surfaces for Runway 1R/19L.

PROJECT AREA DEFINITION

The project area is defined by the horizontal limits of the PAPI Obstruction-Identification Surfaces, defined in FAA Engineering Brief 95 (Obstruction-Clearance Surface and Light-Signal-Clearance-Surface), as applied to the PAPI replacement positions for Runway 1R/19L.

PROJECT TASKS

Aerial Imagery Acquisition

New color aerial imagery will be captured for all areas outlined in the **PROJECT AREA DEFINITION** section of this scope utilizing a digital photogrammetric camera.

The aerial imagery acquisition flight mission will consist of a single “block” of imagery, as specified below:

IMAGERY RESOLUTION	PURPOSE/USE
10cm	This imagery will be utilized for all photogrammetric obstacle data collection. Ortho-imagery will also be generated for this area at a resolution of 0.50' GSD.

Upon completion of the flight mission, the imagery will be reviewed through in-house Quality Assurance procedures for photogrammetric acceptability.

Survey Imagery Photo Control (Field Survey)

Photo-identifiable control points and/or artificial targets will be selected/set and surveyed for use as ground control for aero-triangulation of the new aerial imagery. Imagery control points will be spread throughout the aerial imagery project-area in a geometric pattern conducive to favorable aerotriangulation results. Each imagery control point will be surveyed using RTK survey methods. Imagery Control will be surveyed (properly tied to NSRS) and documented. It is anticipated that **24** imagery control points will be required. In addition to the imagery control points, an additional **6** Independent Checkpoints will be surveyed and processed through NGS OPUS.

Aero Triangulation

The newly acquired digital aerial imagery will be imported onto a digital photogrammetric workstation where it will be oriented with field-surveyed ground control. This procedure will establish both horizontal and vertical control for orienting individual photogrammetric models. This orientation will be accomplished using Soft Copy Aerial Triangulation methods.

Create Digital Ortho Imagery

Digital orthophotos will be produced to meet the needs of AVCON and the Airport. One set of orthophotos will be produced. Orthophotos will cover the following defined areas and meet the following specifications:

RESOLUTION	COVERAGE LIMIT
0.50' GSD	All areas described in “Project Area Definition (See Attached Exhibit)

Runway Centerline Data

Martinez will need runway ends & centerline profile data for the runway to properly analyze the PAPI surfaces. Martinez will rely on AVCON to provide runway ends & centerline profile data representing the future condition for the reconstructed runway. Otherwise, with the approval of AVCON, Martinez will utilize existing runway data from the recent AGIS survey, if AVCON deems the differences negligible.

Obstacle Data Collection & Analysis

MTZ will complete 3D photogrammetric data collection & analysis for all obstacle penetrating a surface or within 10 vertical feet of the surface slope. It should be noted that in some cases, identifying individual trees in a densely treed area may prove impossible from photogrammetric methods. In this case, the horizontal limits of the densely treed area will be defined and tree high points will be collected & reported within this area.

The following outlines the FAA Obstruction-Identification-Surfaces that will be analyzed:

PAPI Obstruction Surfaces (FAA Engineering Brief 95)

RUNWAY	OCS ANALYSIS TYPE
1R	PAPI Obstacle-Clearance-Surface (OCS)
1R	PAPI Light-Signal-Clearance-Surfaces (LSCS)
19L	PAPI Obstacle-Clearance-Surface (OCS)
19L	PAPI Light-Signal-Clearance-Surfaces (LSCS)

Deliverable Format for Obstacle Data

DELIVERABLE	DESCRIPTION
Shapefile and CAD File	These files will contain the following pieces of data: 1) Obstruction Surface Linework 2) Obstruction X-Y-Z Points 3) Obstruction Area Polygon (if applicable) 4) Obstruction Area Grid (if applicable)
Attributes will be included in the Shapefile as Object Data. For the CAD version, attributes will be provided in Spreadsheet Format and can be cross-referenced with the CAD file by Object Number.	Shapefiles will contain the following pieces of object data: • Object type • Northing / Easting / Elevation (MSL) • Latitude/Longitude • AGL Height (as able, for penetrating objects only) • Height-Above-Runway-End • Height-Above-Touchdown-Zone • Height-Above-Airport-Elevation • Distance-to-Runway-End • Distance-From-Runway-Centerline (and direction) • Penetration Value (if applicable) • Surface Affected & Slope (if applicable)

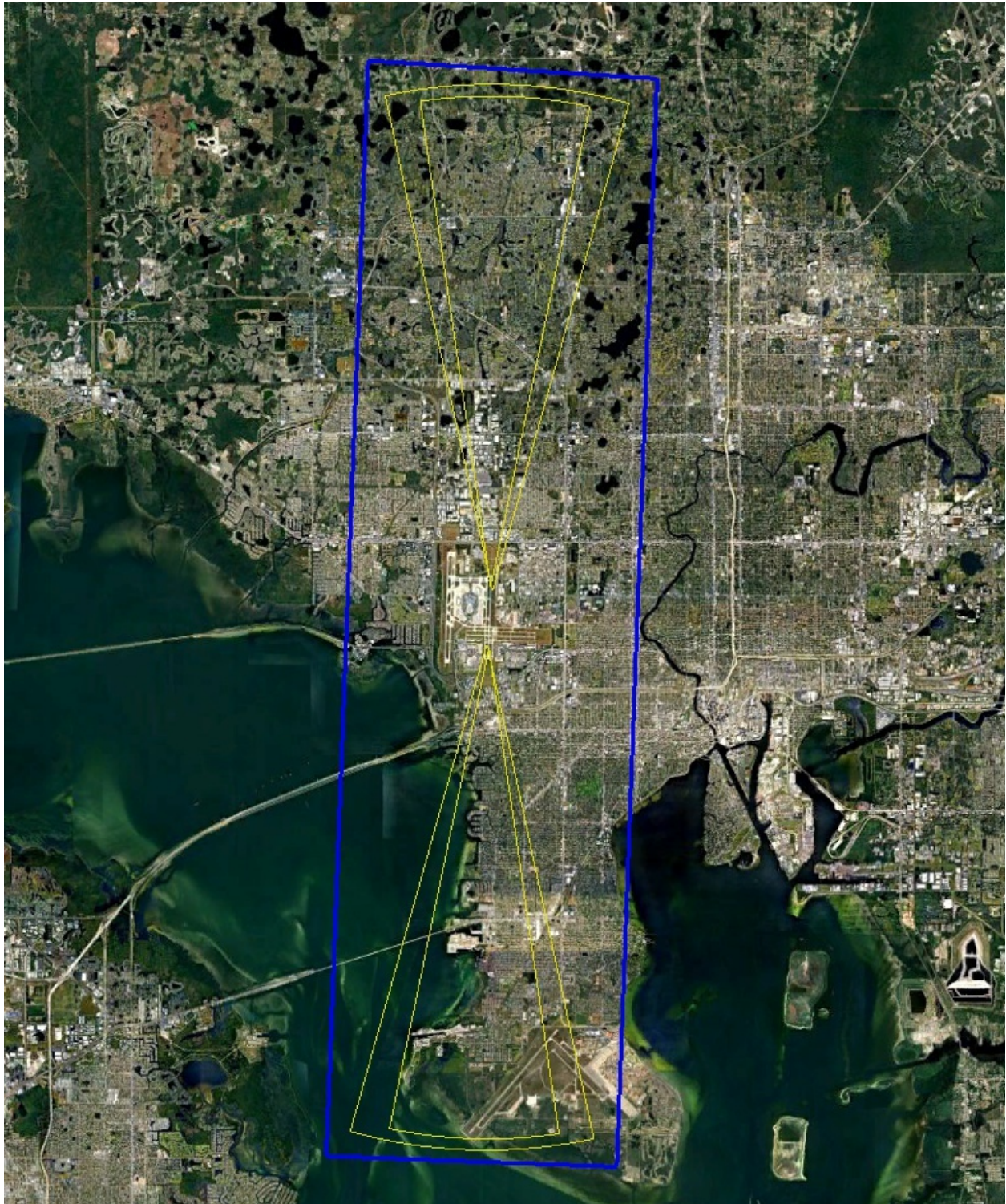
DELIVERABLE SUMMARY
1) Aerial Photography Acquisition & Aero-Triangulation Report
2) Obstruction/Penetration Data
3) Digital Ortho Imagery (0.50' Resolution)

FEE SCHEDULE

It is understood that compensation for this project will be on a **LUMP SUM** basis. MTZ will invoice AVCON monthly based on percent-complete of each category below. The following is a proposed fee schedule based on major production processes/work category:

TASK	FEE
Project Management	\$ 6,751.67
Production Management	\$ 3,810.71
Imagery Acquisition (Flight Mission)	\$ 27,500.00
Aerotriangulation	\$ 6,159.33
Orthophoto Production (0.50' GSD)	\$ 16,630.19
Obstruction Collection & Analysis	\$ 9,288.61
Data Processing/Edit/Formatting	\$ 2,461.09
Field-Survey Services	\$ 20,128.16
TOTAL	\$ 92,729.76

Project Area Diagram



Yellow Polygons - EB-95 PAPI OCS & LSCS Obstruction Identification Surfaces
Blue Polygon - Aerial Imagery Coverage



MTZ | Martinez Geospatial
2915 Waters Road Suite 100
Eagan, Minnesota 55121
Tel: 651.686.8424 Fax: 651.686.8389



Scope of Services for:
Rehabilitate R/W 1L-19R Complex
HCAA Project Number 8660 26
Tampa International Airport

Prepared by:



October 24, 2025

**PROFESSIONAL ENGINEERING SERVICES FOR
REHABILITATE R/W 1L-19R COMPLEX**

HCAA PROJECT NUMBER 8665 26

**TAMPA INTERNATIONAL AIRPORT (TPA)
TAMPA, FL**

AECOM TECHNICAL SERVICES, INC.

1. INTRODUCTION

This scope of services (scope) outlines the tasks proposed by the AECOM Technical Services, Inc. (AECOM) Team to assist the Hillsborough County Aviation Authority (HCAA or Authority) with Professional Engineering and Construction Administration Services associated with Rehabilitate R/W 1L-19R Complex. The name AECOM will be used throughout this scope, but will include all subconsultants working on the project.

Parallel Runways 1L-19R and 1R-19L typically split in half 90% of the air traffic at the airport. When reconstruction occurs on Runway 1R-19L, the airport will be dependent on Runway 1L-19R for 90% of all air carrier traffic. Due to the heavy reliance on a single runway, the project will rehabilitate Runway 1L-19R and the associated taxiways W and V, including connectors, to reduce the risk of any unexpected repairs during the reconstruction period. The project includes other modifications to Taxiways V and W to comply with required FAA criteria, as a result of impacts from new Airside D, including the area called Airside D West Airfield Improvements as provided to the AECOM team from RS&H meetings and graphics.

The project includes the rehabilitation of Runway 1L-19R, Taxiways V, W, and all associated connecting taxiways. Rehabilitation is expected to include selective slab replacements, spall repairs, joint repairs, and joint sealant replacement. Work will include asphalt shoulder repairs consisting of milling and overlay, crack sealing, and slurry seal, where deemed necessary. The rehabilitation of other asphalt or concrete pavements in close proximity may also be included in this project based on observations made during design and construction. The project is expected to extend the life of these pavements as well as avoid any unexpected pavement maintenance work when Runway 1R-19L is closed for reconstruction. Work will also include grading improvements between Taxiways W, V, V2, and V3 to comply with Group V aircraft standards and include modifications to the adjacent asphalt shoulders.

Airfield electrical work will include the replacement of all runway centerline and touchdown zone light fixtures, transformers and cable. The regulator for the circuit will be evaluated and replaced if deemed necessary. Both taxiway elevated and centerline lights will be evaluated and replaced if at end of life or deemed necessary.

The project includes modifications to Taxiways W, V, V5 and V6 to comply with FAA taxiway geometric standards due to the modifications to the apron at Airside D. Modifications will include the reconstruction of full depth and shoulder pavements and include grading of infield areas. Electrical work will include reconfigured edge and centerline lights and modifications of underground utilities.

The scope of the project consists of the following elements per the HCAA RFQ, HCAA PMP, RS&H Meeting documents and meetings to discuss the project. Included on the following pages are Figures 1, 2 and 3 from RS&H and AECOM graphically depicting the work areas.

Project Scope Elements

- 1) Provide data collection including subsurface utility exploration, LIDAR and traditional survey, and geotechnical data.

- 2) Inspect existing Runway 1L-19R, Taxiway W and Taxiway V pavement and provide recommendations for rehabilitation work for inclusion in the project.
- 3) Remove and replace all Runway Centerline and Touchdown (TDZ) light fixtures, transformers, and cable back to the vault building.
- 4) Review the area shown in Figure 3 and provide design to bring the area into compliance with ADG V aircraft including shoulder removal, valley gutter removal, new drainage installation, and all associated work.
- 5) Provide design for Airside D West Airfield Modifications in accordance with RS&H provided layout and FAA approved modification to the ALP in accordance with Figure 1. Provide design including demolition, phasing, runway edge lighting, taxiway edge lighting, full strength concrete pavement, asphalt shoulder pavement, drainage and markings, all in accordance with current FAA Advisory Circulars.
- 6) Provide design of stormwater including trenchdrain in accordance with NFPA regulations. Provide Stormwater permitting from Southwest Florida Water Management District. AECOM assumes that the existing stormwater pond west of Runway 1L-19R has capacity for treatment. The Project includes survey of the existing control structure and modifications of that control structure to meet SWFWMD requirements.

Project Assumptions

- 1) The Project will be designed and constructed together with Northwest RON Aircraft Apron HCAA Project 8665 26.
- 2) Coordination with the AUTHORITY'S NEPA process is included but all documents related to the environmental design effort and approval from FAA's NEPA process is not included in the scope or fee. No environmental services are anticipated or included in the scope or fee.
- 3) AECOM will be provided timely access to AUTHORITY's facilities as needed for AECOM to perform the Scope of Services, including escort by AUTHORITY staff if required.
- 4) AUTHORITY will provide all necessary existing documents and goals and objectives for the Project.
- 5) Documents will be created using the AUTHORITY's CAD Standards with 11"x17" size drawings. All drawings will be created in black and white or color AutoCAD format using English units.
- 6) Designs will be developed to be compliant with codes and regulations in force at the time the proposal and fee are submitted. Significant changes to regulatory requirements may require separately scoped additional services.
- 7) The AECOM Team shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials or toxic substances in any form at the project site. Hazardous materials are not anticipated. This material can be addressed in the general contingency. Any hazardous materials discovered will be addressed in the contract documents for contractor final disposition.
- 8) Uploading data in the FAA/GIS Database or creating a project on the FAA/GIS is not a part of the Scope of Services as enumerated above but will be included in the construction contract documents for the contractor to perform such services. AECOM will review and assist in this process.
- 9) Any service not specifically enumerated within this scope is not included and would only be performed at Client's request and approved fee.

- 10) Duration of construction is assumed to be 16 months.
- 11) Resident Project Inspection is not included in this project.
- 12) No work associated with NAVAIDS are anticipated or included in this project.

Below please find Figure 1 from the RSH TPA 5915 13PRE26 (8660 26) West Airfield Mods Quantity Exhibits Final provided to AECOM by HCAA and will be utilized as the basis of design.

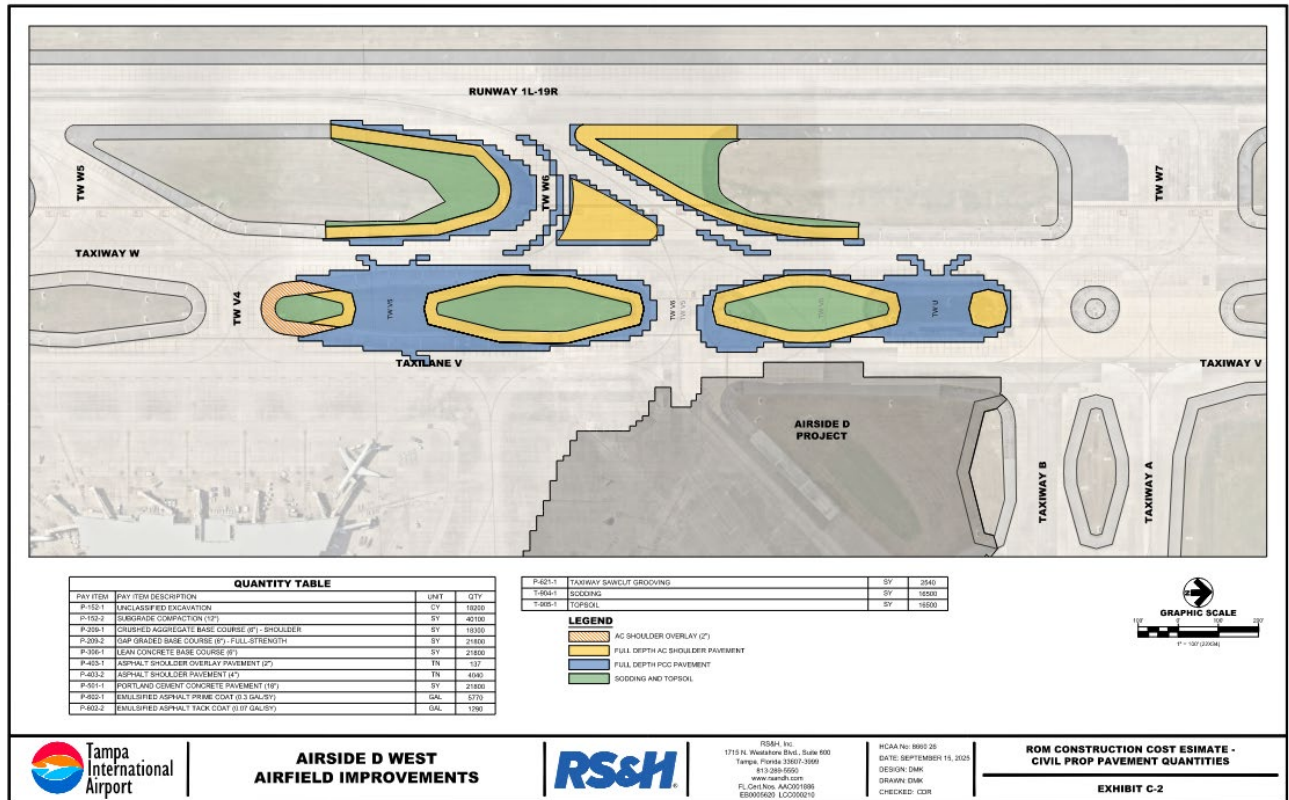


Figure 1: West Airfield Mods by RS&H (Source HCAA)

SCOPE OF SERVICES FOR
PROFESSIONAL ENGINEERING SERVICES FOR
REHABILITATE R/W 1L-19R COMPLEX
HCAA PROJECT NUMBER 8660 26

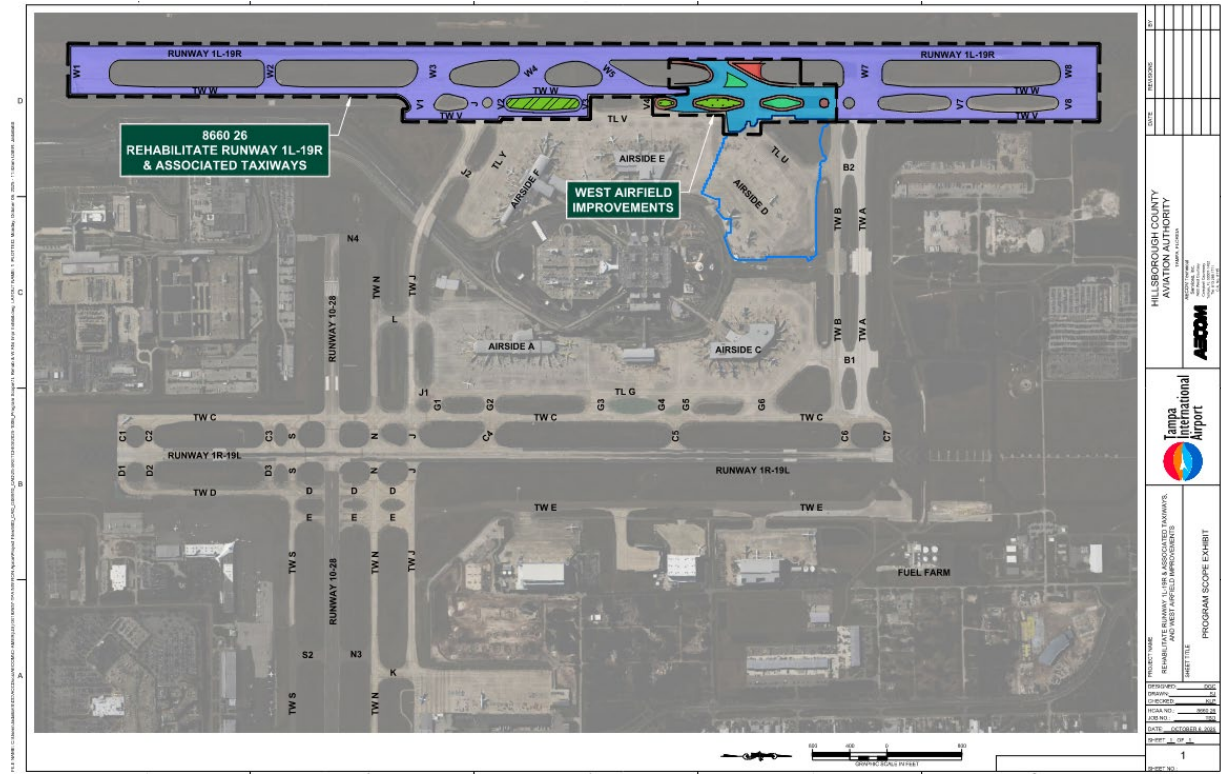


Figure 2: Runway 1L-19R and Taxiway W Work Area (Source AECOM)

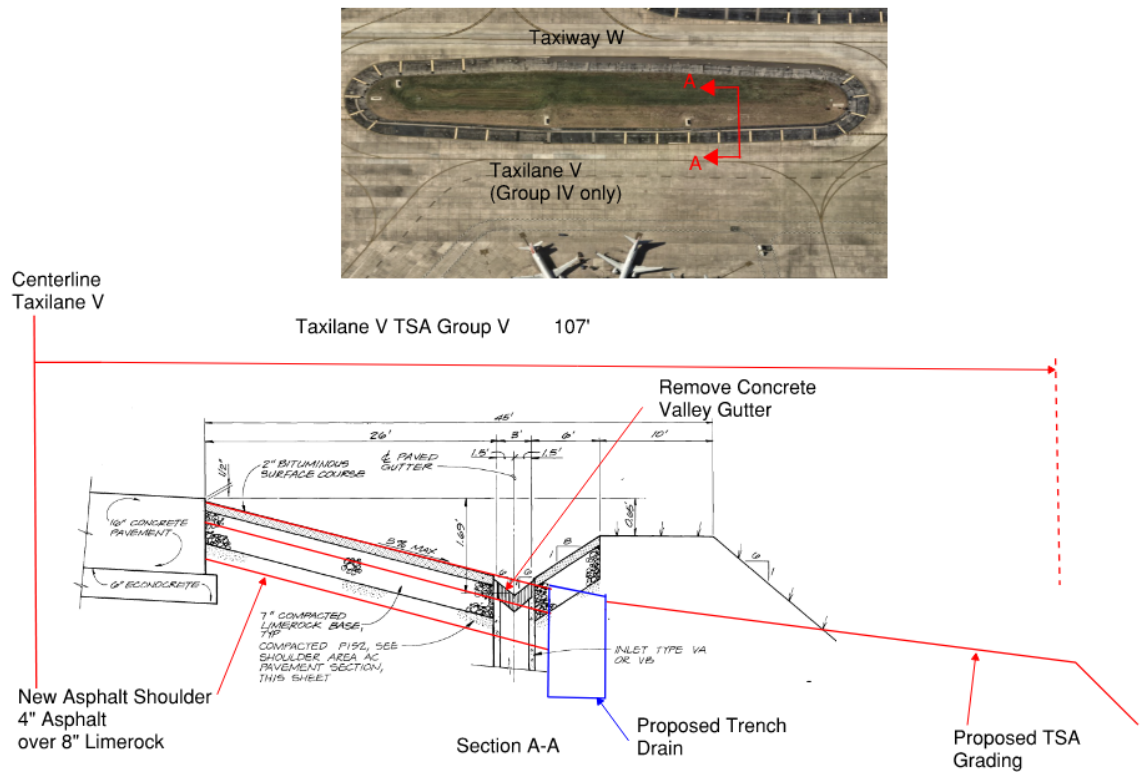


Figure 3: Gradient and valley gutter corrections (Source HCAA)

2. SCOPE OF SERVICES

AECOM will prepare design documents for Rehabilitate R/W 1L-19R Complex. The following tasks are included in the proposal and the attached fee spreadsheet.

- a. **Project Management and Meetings** – AECOM will provide project management for the project to include all necessary invoicing, reporting, coordination as required for the project.
- b. **Owner and Internal Meetings** – AECOM will attend and document with meeting notes weekly design meetings with the owner. The owner meetings are anticipated to be a hybrid meeting with in-person and Teams attendance. The AECOM Team will also have weekly coordination meetings to discuss project scope and schedule.
- c. **Record Drawings and Verification** – AECOM will obtain from the Authority all applicable record drawings, review existing drawings & data, and verify accuracy prior to use of materials in the design of the project.
- d. **Preliminary and Existing Condition Graphics** – Provide graphics and documents to further discussions in meetings and make recommendations towards design direction. Provide graphics showing the existing field conditions.
- e. **Field Work Coordination** – Coordinate with Airport P&D and Operations for the scheduling and sequencing of field work. Includes coordination with all subconsultants to minimize airfield closures.
- f. **Field Work Oversight / Escorting** – AECOM will provide oversight and closure assistance for field work requiring airfield closures.
- g. **Field Inspections** AECOM will perform field inspections of the proposed project location to gather visual information and document existing conditions. Multiple disciplines will be performing field inspections.
- h. **Survey Reduction and Incorporation** – Survey data will be analyzed and incorporated into the base drawings for the project in accordance with the HCAA and national CADD standards for layer and layer naming conventions.
- i. **Design Drawings** - This task includes the development of drawings appropriate for the various design stages to facilitate stakeholder coordination and Authority review and approvals and for bidding and construction. The 30% (concept) Design Milestone drawings will include major project elements that provide enough information to describe the scope of the project. At 30% milestone, major elements of project will be defined and agreed. Some standard details will be included. Phasing plans will be at a concept level. 60% Design Milestone drawings will build upon the previous submissions. At 60% most, if not all design elements, are identified and fully shown. Stakeholder comments have been fully addressed. Major elements of the phasing plans should be agreed. 90% Design Milestone drawings will build upon the previous submissions. At 90% all design elements are complete, including details. Pending incorporation of final Authority and AHJ comments the drawings are considered final. 100% Design and Final Milestone drawings are complete and are only for Authority confirmation that comments have been addressed.
- j. **Existing Conditions Drawings** – Detailed notes will be taken from all field inspections and multi-discipline existing conditions drawings will be created and utilized during the design process.

- k. **Geotechnical Data Review** – The Team will coordinate with the geotechnical subconsultant and review all appropriate geotechnical data. AECOM will provide the geotechnical reports to the Authority. See specific proposal from Tierra, Inc. for additional information.
- l. **Stormwater Design and Permitting** - Work includes all design and coordination to submit and receive a modification to an existing Environmental Resource Permit (ERP) from the Southwest Florida Water Management District. The AECOM scope will include detail calculations, narrative, and exhibits as required to meet SWFWMD requirements. Additional treatment capacity is not anticipated to be required for this project as the existing stormwater pond west of Runway 1L-19R should have sufficient treatment capacity. Collection and conveyance systems will be designed in accordance with FAA standards, City of Tampa standards, and FDOT standards. Underdrain systems for full strength taxiway pavement will be evaluated and designed in accordance with industry standards.
- m. **SUE Evaluations** – AECOM will evaluate the existing project site to locate all known utilities and will provide ACAD drawings of all surveyed utilities. AECOM will identify specific utility locations where elevation data is needed. See proposal from Element Engineering for additional information on Subsurface Utility Engineering.
- n. **Quantities and Cost Estimate** - The scope includes an estimate of probable construction cost for the project and verify with the current project budget for construction. AECOM will perform a quantity take-off of the plans at each stage of design and provide a unit price estimate. Any cost opinions or estimates provided by AECOM will be on a basis of experience and judgment, but since AECOM has no control over market conditions or bidding procedures, AECOM cannot and does not warrant that bids, ultimate construction cost, or project economics will not vary from such opinions or estimates. The scope includes developing and maintaining a schedule for design. The schedule will be updated and submitted with each design deliverable milestone.
- o. **Schedule Updates** – AECOM will provide detailed design schedule with each submittal and construction schedules starting with the 60% design deliverable. Schedules will be in Microsoft Project and Excel spreadsheets, as appropriate.
- p. **QA/QC** - AECOM will provide HCAA with our Quality Assurance/Quality Control (QA/QC) Plan for the project. Each deliverable will go through this QA/QC process and a Technical Quality Review Record (TQRR) will be generated from senior level staff and provided to the Authority for each design deliverable.
- q. **Deliverables** – AECOM will coordinate, combine and check each final deliverable for accuracy and scope compliance.
- r. **Pavement Design**- New runway and taxiway pavement shall be concrete designed in accordance with FAA AC 150/5320-6G, *Airport Pavement Design and Evaluation*. The shoulder pavement will be constructed of bituminous pavement and designed to FAA criteria. AECOM will utilize the fleet mix frequency provided by the AUTHORITY to design all pavement on the project.
- s. **Grading** - The survey will be utilized to create an existing conditions 3-D model for the project site. Taxiway grading will be in accordance with FAA grading criteria. Apron pavements will be analyzed for stormwater design and prepared to meet NFPA requirements as necessary. The grading will be presented in plan and cross section views.
- t. **Specifications, Engineer's Report, CSPP** – Starting with the 60% design submittal, the AECOM team will provide draft and final specifications, Engineer's Report and Construction Safety Phasing Plans (CSPP) in accordance with FAA criteria. AECOM shall review, comment, and coordinate with the AUTHORITY on the front-end Division 0 and 1 sections of

the Project Manual in conjunction with the plans and specifications at the 90% and 100% submittals. AECOM will utilize the FAA Advisory Circular 150/5370-10H, *Standard Specifications for Construction of Airports*, for all on-airport technical specifications. FDOT design standards will be utilized where appropriate (i.e. erosion control).

- u. **Utility Plans** – Where adjustments are required, we will consult with the utility owner and the AUTHORITY to gain a full understanding of the technical requirements for the accommodations, (e.g., separations, materials, cut-overs, etc.) and then develop designs and prepare drawings and documentation for construction of the accommodations. AECOM will prepare documentation for required permits. Accommodation will be like-for-like. Utilities identified include TECO power, AUTHORITY and 3rd party IT/Comms, and NAVAID communications and electrical.
- v. **Airfield Lighting** – Design includes connecting the new runway and taxiway lights to existing lighting circuits and all associated infrastructure for airfield lighting. No vault work is anticipated for this project. Project will include update to the Airfield Lighting Control System (ALCS) for geographic changes to the airfield.
- w. **Airfield Signage** - AECOM will locate and depict all new signage to match the revised airfield geometry and updated taxiway connector designations. Locations will be dimensioned and referenced to the appropriate runway or taxiway geometry or pavement markings. All signage is assumed to be new, unless conditions during field investigations warrant a different approach. AECOM will develop a comprehensive sign schedule covering all new signs and panel revisions to existing signs, listing sign ID, sign style, sign size, existing and proposed legend, power leg location and panel fabrication requirements, mounting type and mounting/interface notes to ensure compatibility with existing structures, luminance/illumination and power/source requirements, and installation location references.
- x. **Pavement Marking Design** – Design will include new pavement markings for the Rehabilitate R/W 1L-19R Complex in accordance with FAA Advisory Circular 150-5340-1M, *Standards for Airport Markings*. Pavement marking details/information will be included in the construction drawings.
- y. **Bid and Award Services** - This Task shall consist of bid and award services:
 - Advertisement and Bidding Assistance
 - Assist in Addenda Preparations
 - Attend Prebid Conference
 - Evaluate Bids and Recommend Award
 - Issue Conformed Documents
- z. **Construction Administration** – The AECOM scope of services will consist of the following tasks as outlined in the fee estimate:
 - Attend Preconstruction Conference and prepare meeting minutes
 - Weekly Contractor's Meeting (with Meeting Minutes) and Site Visit
 - Construction Changes & Change Orders
 - Review Shop Drawings
 - Respond to RFIs
 - Review and Approve Contractor's Pay Request
 - Prepare Construction Management Plan
 - Review and Assist with Materials Testing
 - Review Contractor's Safety Plan and Compliance Document
 - Perform Substantial and Final Inspections
 - Prepare Record Drawings from Contractor Markups

aa. **Resident Inspection** – Not included in this project.

bb. **Materials testing** – AECOM will provide materials testing in accordance with the specifications of the project anticipated to be FAA AC 150/5370-10H. See attached estimated materials costs from TSF Geotech dated October 13, 2025.

3. DELIVERABLES

PLAN DELIVERABLE TABLE

ITEM	30%	60%	90%	100%
Key Sheet (AECOM)	P	P	C	F
Signature Sheet (AECOM)		P	C	F
General Sheets (AECOM)	P	P	C	F
Phasing Sheets (AtkinsRealis/AECOM)		P	C	F
Survey and Existing Conditions (AECOM/ NSI)	P	P	C	F
Geotechnical Borings (Tierra, Inc.)	P	P	C	F
Demolition Sheets (AECOM)	P	P	C	F
Airfield Geometry (AtkinsRealis/AECOM)	P	P	C	F
Grading and Drainage (AECOM)	P	P	C	F
Drainage Details (AECOM)		P	C	F
Erosion Control Sheets (AECOM)	P	P	C	F
SWFWMD ERP Modification (AECOM)		P	C	F
Paving and Joint Sheets (AECOM)		P	C	F
Pavement Marking Sheets (AtkinsRealis)		P	C	F
Airfield Lighting Sheets (AtkinsRealis)		P	C	F
Airfield Guidance Sign Sheets (AVCON)		P	C	F
Utility Sheets (AtkinsRealis/AVCON)	P	P	C	F
Technical Specifications (AECOM but each firm own specs)		P	C	F
Quantities and Cost Estimate (AECOM/AtkinsRealis)	P	P	C	F
Schedule and Schedule Updates (AECOM/AtkinsRealis)	P	P	C	F
			C	F
Engineer's Report (AECOM and all firms)			C	F
Construction Safety & Phasing Plan (AtkinsRealis/AECOM)			C	F

Status Key:

P - Preliminary

C - Complete but subject to change

F - Final

4. SCHEDULE

See below schedule of deliverables below:

Contract to HCAA Board	11/6/25
Notice To Proceed (Anticipated)	11/18/25
30% Submittal	2/02/26
60% Submittal	4/13/26
90% Submittal	6/15/26
100% Submittal	7/27/26
Final Submittal	8/17/26
Construction Completion (Anticipated)	4/01/28

5. FEE PROPOSAL

See Exhibit B attached for detailed breakout of the proposed fee.

EXHIBIT B FEE ESTIMATE

Project Fee Proposal - AECOM Team - Summary Sheet										
Rehabilitate Runway 1L-19R Complex										
HCAA Project Number 8660 26										
10/14/2025										
Basic Design Services		30%	60%	90%	100%	Bid & Award	Construction	Resident	Total	% Construction
Engineering & Preconstruction Services		Design Dev.	Design Dev.	Const. Docs	Final Docs	Services	Administration	Inspection		Cost
AECOM Technical Services		\$ 89,964.00	\$ 130,330.50	\$ 135,629.40	\$ 74,189.70	\$ 29,784.00	\$ 149,343.30		\$ 609,240.90	28,000,000
AtkinsRealis		\$ 71,131.30	\$ 110,674.60	\$ 100,615.20	\$ 64,970.05	\$ 24,963.00	\$ 143,444.50		\$ 515,798.65	8.2%
Mohsen Design Group		\$ 24,814.16	\$ 16,679.04	\$ 16,795.84	\$ 13,297.68	\$ 8,211.04	\$ 41,504.88		\$ 121,302.64	
AVCON		\$ 42,120.00	\$ 40,896.00	\$ 36,950.40	\$ 15,523.20	\$ 6,624.00	\$ 47,491.20		\$ 189,604.80	
TransSolutions		\$ -							\$ -	
Design Phase		\$ 228,029.46	\$ 298,580.14	\$ 289,990.84	\$ 167,980.63	\$ 69,582.04	\$ 381,783.88	\$ -	\$ 1,435,946.99	
Reimbursable Expenses										
Northwest Surveying, Inc.		\$ 88,682.00							\$ 88,682.00	
Tierra, Inc.		\$ 68,500.00							\$ 68,500.00	
Element Engineering, Inc.		\$ 167,400.00							\$ 167,400.00	
TSF Geo, Inc.							\$ 54,000.00		\$ 54,000.00	
MDG - Vortex		\$ -							\$ -	
Reimbursable Expenses Subtotal		\$ 324,582.00	\$ -	\$ -	\$ -	\$ -	\$ 54,000.00	\$ -	\$ 378,582.00	
Total Base Fee with Reimbursable Expenses		\$ 552,611.46	\$ 298,580.14	\$ 289,990.84	\$ 167,980.63	\$ 69,582.04	\$ 435,783.88	\$ -	\$ 1,814,528.99	
Contingency										
General Contingency			\$ 100,000.00						\$ 100,000.00	
Allowance - Separate Bid Package from NW RON Apron			\$ 55,059.60	\$ 57,415.80	\$ 43,339.80	\$ 21,012.00	\$ 209,018.40		\$ 385,845.60	
Allowance - Resident Inspection Services								\$ -	\$ -	
								Total Contingency	\$ 485,845.60	
Total Fee, Allowances, Reimbursable Expenses		\$ 552,611.46	\$ 453,639.74	\$ 347,406.64	\$ 211,320.43	\$ 90,594.04	\$ 644,802.28	\$ -	\$ 2,300,374.59	

Rehabilitate Runway 1L-19R Complex			
HCAA Project Number 8660 26			
10/14/2025			
Milestone	Start	Complete	Duration
NTP	11/18/2025	11/18/2025	0
30% Submittal/Meeting	11/18/2025	2/2/2026	76
60% Submittal/Meeting	2/2/2026	4/13/2026	70
90% Submittal/Meeting	4/13/2026	6/15/2026	63
100% Submittal/Meeting	6/15/2026	7/27/2026	42
Final Submittal/Meeting	7/27/2026	8/17/2026	21
Bid & Award	8/17/2026	12/1/2026	106
Construction Administration	12/1/2026	4/1/2028	487

Note: Schedule above is assuming combining with the NW RON Project

30% Design Fee

[illegible]

30% Design Fee

[illegible][illegible]

30% Design Fee

[illegible]

60% Design Fee

Project Fee Proposal - AECOM Team																						
Rehabilitate Runway 1L-19R Complex																						
HCAA Project Number 8660 26																						
10/14/2025																						
Scope/Task				Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin		Total									
				Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours											
Basic Design Services																						
Task - 60% Design AECOM																						
	Incorporate Comments from 30% Review				2	4	4	4		4			18									
	Project Management		5		10						10		25									
	Owner Weekly Meetings (10)				5						5		10									
	Internal Team Meetings (10)				5	5					5		15									
	Exhibits and sketches				2	4	8	8					22									
	General Drawings				2	4	12	12					30									
	Demolition Drawings				2	4	12	12	16	24			70									
	Pavement Design and Drawings				2	8	8	24		24			66									
	Grading				2	24	32	80					138									
	Stormwater Design and Permitting				2	32	32	40					106									
	Erosion Control Plans				2	4	8	8					22									
	Cross Sections				2	4	16	16					38									
	Quantities and Cost Estimating				2	8	20		16	20			66									
	Schedule Update				4	4							8									
	QA/QC AECOM Design				2	8	8	8					26									
	60% Deliverable				1	2	4	4					11									
	Subtotal Hours			5.00	47.00	115.00	164.00	216.00	32.00	72.00	20.00	-	671									
	Rate		\$	140.00	\$	110.00	\$	100.00	\$	85.00	\$	65.00	\$	55.00	\$	45.00	\$	38.00	\$	-		
	Subtotal Direct Labor		\$	700.00	\$	5,170.00	\$	11,500.00	\$	13,940.00	\$	14,040.00	\$	1,760.00	\$	3,240.00	\$	760.00	\$	-	\$	51,110.00
	Subtotal Burdened Labor @				2.55									\$	130,330.50							

60% Design Fee

[illegible]

60% Design Fee

Project Fee Proposal - AECOM Team													
Rehabilitate Runway 1L-19R Complex													
HCAA Project Number 8660 26													
10/14/2025													
Scope/Task				Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin		Total
Basic Design Services				Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours		
Task - 60% Design - Mohsen Design Group													
	Project Management			8									8
	Badging												0
	Internal Team Meetings			2	2	2		2					8
	Airfield Record Drawings and Verification												0
	Preliminary Exhibits												0
	Field Work Coordination												0
	Drainage Design			2	8	16		8					34
	Update Drainage Evaluation and Draft Report (drainage eval removed)												0
	Incorporate Comments			2	2	4		2					10
	QA/QC			4									4
	Drainage Evaluation and Final Report (drainage eval removed)												0
	Subtotal Hours			18.00	12.00	22.00	-	12.00	-	-	-	-	64
	Rate			\$ 150.00	\$ 75.00	\$ 66.00	\$ 60.00	\$ 55.00	\$ 50.00	\$ 45.00	\$ 40.00	\$ -	
	Subtotal Direct Labor			\$ 2,700.00	\$ 900.00	\$ 1,452.00	\$ -	\$ 660.00	\$ -	\$ -	\$ -	\$ -	\$ 5,712.00
	Subtotal Burdened Labor @				2.92								\$ 16,679.04

[illegible]

60% Design Fee

[illegible]

90% Design Fee

[illegible]

90% Design Fee

[illegible]

90% Design Fee

Project Fee Proposal - AECOM Team												
Rehabilitate Runway 1L-19R Complex												
HCAA Project Number 8660 26												
10/14/2025												
Scope/Task			Principal	PM	Sr. AE	AE	Sr. Design	Sr. CADD	CADD	Admin	0%	Total
			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Basic Design Services												
Task - 90% Design - Mohsen Design Group												
	Project Management		8									8
	Badging											0
	Internal Team Meetings		2	2	2		2					8
	Airfield Record Drawings and Verification											0
	Preliminary Exhibits											0
	Field Work Coordination											0
	Drainage Design		2	8	16		4					30
Update Drainage Evaluation and Draft Report (drainage eval removed)												0
	Incorporate Comments		2	4	4		4					14
	QA/QC		4									4
	Drainage Evaluation and Final Report											0
	Subtotal Hours		18.00	14.00	22.00	-	10.00	-	-	-	-	64
	Rate		\$ 150.00	\$ 75.00	\$ 66.00	\$ 60.00	\$ 55.00	\$ 50.00	\$ 45.00	\$ 40.00	\$ -	
	Subtotal Direct Labor		\$ 2,700.00	\$ 1,050.00	\$ 1,452.00	\$ -	\$ 550.00	\$ -	\$ -	\$ -	\$ -	\$ 5,752.00
	Subtotal Burdened Labor @			2.92								\$ 16,795.84

[illegible]

HCAA Project Number 8660 26

HCAA Project Number 8660 26

10/14/2025

[illegible]

100% Design Fee

[illegible]

100% Design Fee

[illegible]

100% Design Fee

[illegible]

100% Design Fee

[illegible][illegible]

Bid and Award Fee

[illegible][illegible]

Bid and Award Fee

[illegible][illegible]

Project Fee Proposal - AECOM Team

HCAA Project Number 8660 26

10/14/2025

[illegible]

Construction Administration Fee

[illegible][illegible]

Construction Administration Fee

[illegible][illegible]

Construction Administration Fee

[illegible]

Resident Inspection Fee

Project Fee Proposal - AECOM Team										
Rehabilitate Runway 1L-19R Complex										
HCAA Project Number 8660 26										
10/14/2025										
Scope/Task			Senior Construction Inspector							Total
Contingency RPR Services			Hours	Hours	Hours	Hours				
Task - Resident Inspection										
Inspection hours										
AECOM Inspector 52 Weeks @ 30 hours/week (1 inspector)			0							0
AtkinsRealis Inspector 52 Weeks @ 30 hours/week (1 inspector)										0
AVCON Inspector 52 Weeks @ 30 hours/week (1 inspector)										0
MDG Inspector 52 Weeks @ 30 hours/week (1 inspector)										0
Subtotal Hours			-	-	-	-	-	-	-	0
Rate			\$ 180.00	\$ 180.00	\$ 180.00	\$ 180.00				
Subtotal Direct Labor			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Subtotal Burdened Labor @				1.00						\$ -



September 19, 2025

AECOM
7650 W. Courtney Campbell Causeway
Tampa, FL 33607

Attn: Mr. Dennis Combs, PE

**Re: Geotechnical Scope and Fee Proposal
Runway 1L-19R Rehabilitation and Pavement Evaluation
Tampa International Airport
Tierra Project No. 6511-25-281**

Mr. Combs:

Thank you for the opportunity to be part of the AECOM Team on the referenced project. The project includes the evaluation and rehabilitation Runway 1L-19R. Attached herein is our fee proposal for the Geotechnical Design services to support the proposed project.

GEOTECHNICAL PROJECT APPROACH

Based on the review of the published geotechnical data and information provided by AECOM, Tierra will complete the required geotechnical services for the project in accordance with the HCAA project requirements/criteria and our engineering judgment.

The geotechnical services anticipated to support the design and construction of the project are summarized as follows:

- Conduct a visual reconnaissance of the project site and coordinate utility clearance.
- Review existing plans, reports, and previous Geotech data collected by Tierra and others and incorporate previous Tierra geotechnical data in the reports.
- Perform pavement cores, Dynamic Cone Penetrometer (DCPs), and boring to provide design information for the reconstruction. Our field work will consist of the following:
 - Perform up to 20 pavement cores (10 in asphalt areas and 10 in concrete areas) at locations identified by AECOM along Runway 1L-19R. At pavement core locations, the pavement section will be measured and classified and a DCP will be performed to determine the *insitu* CBR and a soil boring to a depth on the order of 8 feet below the bottom of the pavement section to evaluate the sub-base and subgrade conditions.
 - Perform on the order of 8 auger borings to a depth of 5 feet in green areas.
 - Measure groundwater tables.
- Visually classify recovered pavement and soil samples in the laboratory. Perform laboratory tests on selected representative samples to develop the soil legend for the project using the USCS. The laboratory testing will likely include grain size analyses, Atterberg Limit testing, compression strength tests on concrete cores (if required), CBR testing, organic and natural moisture content determination and corrosion series testing, as required.

- Collect up to 4 bulk soil samples for CBR testing.
- Set-up cones and barricades for MOT in accordance with the lane closure permits obtained by AECOM.
- Perform engineering evaluations and analyses to develop geotechnical recommendations to support the pavement design.
- Provide signed and sealed geotechnical reports that summarize our geotechnical study including the field and laboratory test results, the engineering evaluations and analyses, and the geotechnical recommendations for the design and construction of the project.

FEE ESTIMATE - DESIGN SERVICES

It is estimated fee for performance of the above-outlined services is **\$68,348.28** based on Tierra's attached Fee Schedule. We will provide you with verbal results of tested conditions and immediately notify you should conditions impacting our scope, schedule, or cost of services occur. The proposal is based on the assumption that no hazardous materials exist on-site that would impact our investigation.

We appreciate the opportunity to offer our services to you. We look forward to working with you once again. Should you have any questions with regard to this proposal, please do not hesitate to contact this office.

Respectfully Submitted,

TIERRA, INC.

A handwritten signature in blue ink, appearing to read 'M. Novak', is written over a horizontal line.

Marc E. Novak, Ph.D., P.E.
Senior Geotechnical Engineer

Attachment:

2025-2026 Fee Schedule

Item Description	Unit	Unit Price	Quantity	Total
Field and Laboratory Testing				
101-Aggregate Carbonates & Organic Matter FM 5-514	Test	\$ 179.00		\$ -
102-Aggregate Org. Impurities S& for Concrete AASHTO T21	Test	\$ 89.00		\$ -
103-Aggregate Shell Content of Coarse Aggregate FM 5-555	Test	\$ 126.00		\$ -
104-Aggregate Sieve Anlsys of Fine & Coarse AASHTO T27	Test	\$ 94.50		\$ -
105-Aggregate Soundness AASHTO T104	Test	\$ 385.00		\$ -
106-Aggregate Specific Gravity/Absorption Coarse AASHTO T85	Test	\$ 115.50		\$ -
107-Aggregate Total Moisture Content by Drying AASHTO T255	Test	\$ 68.50		\$ -
108-Aggregate Unit Mass & Voids AASHTO T19	Test	\$ 82.00		\$ -
109-Aggregate Specific Gravity/Absorption Fine AASHTO T84	Test	\$ 150.00		\$ -
200-Asphalt Bulk Specific Gravity FM 1-T166	Test	\$ 78.50		\$ -
201-Asphalt Content FM 5-563	Test	\$ 170.00		\$ -
204-Asphalt Gradation FM 1-T030	Test	\$ 111.00		\$ -
206-Asphalt Los Angeles (LA) Abrasion Coarse Agg FM 3-C535	Test	\$ 470.00		\$ -
207-Asphalt Los Angeles (LA) Abrasion Small Agg FM 1-T096	Test	\$ 373.00		\$ -
209-Asphalt Pavement Coring – 4" dia with Base Depth Check	Each	\$ 275.00	10	\$ 2,750.00
210-Asphalt Pavement Coring – 4" dia without Base Depth Check	Each	\$ 227.00		\$ -
211-Asphalt Pavement Coring – 6" dia with Base Depth Check	Each	\$ 345.00		\$ -
212-Asphalt Pavement Coring – 6" dia without Base Depth Check	Each	\$ 270.00		\$ -
300-Concrete Beam Flexural Testing ASTM C78	Test	\$ 66.35		\$ -
301-Concrete Compressive Strength of Grout/Mortar ASTM C109	Test	\$ 39.00		\$ -
302-Concrete Cylinder Curing, Capping & Breaking ASTM C39	Test	\$ 55.00		\$ -
303-Concrete Drilled Cores & Sawed Beams ASTM C42	Test	\$ 74.50	4	\$ 298.00
305-Concrete Pavement Coring - 4" Dia	Each	\$ 280.00	10	\$ 2,800.00
306-Concrete Pavement Coring - 6" Dia	Each	\$ 310.00		\$ -
401-Geo Auger Borings- Hand & Truck/Mud Bug	LF	\$ 15.75	40	\$ 630.00
402-Geo Auger Borings- Track	LF	\$ 19.80		\$ -
403-Geo Backhoe (Owned)	Day	\$ 1,500.00		\$ -
405-Geo Barge (Owned)	Day	\$ 4,200.00		\$ -
406-Geo Barge Rental (Rental without labor)	Day	\$ 5,800.00		\$ -
407-Geo Chainsaw (Owned)	Day	\$ 145.00		\$ -
415-Geo Double Ring Infiltration ASTM D3385	Each	\$ 704.00	2	\$ 1,408.00
416-Geo Dozer (Owned)	Day	\$ 1,800.00		\$ -
418-Geo Drill Crew Support Vehicle	Day	\$ 300.00	3	\$ 900.00
421-Geo Dynamic Pile Testing/Pile Driving Analyzer	Day	\$ 630.00		\$ -
422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft	Each	\$ 115.00		\$ -
423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft	Each	\$ 115.00		\$ -
424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft	Each	\$ 135.00		\$ -
425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft	Each	\$ 185.00		\$ -
427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft	Each	\$ 115.00		\$ -
428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft	Each	\$ 115.00		\$ -
429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 130.00		\$ -
430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 130.00		\$ -
432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method)	Each	\$ 440.00		\$ -
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 433.00	12	\$ 5,196.00
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 11.70		\$ -
436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft	LF	\$ 13.60		\$ -
437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft	LF	\$ 18.90		\$ -
438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft	LF	\$ 27.00		\$ -
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 8.05	200	\$ 1,610.00
441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft	LF	\$ 9.95		\$ -
442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 14.70		\$ -

Item Description	Unit	Unit Price	Quantity	Total
443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 19.95		\$ -
445-Geo Grouted Monitor Well 2" 000-050 Ft	LF	\$ 90.00		\$ -
450-Geo Piezometer 2" 000-050 Ft	LF	\$ 55.00		\$ -
453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID	LF	\$ 78.80		\$ -
455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID	LF	\$ 88.00		\$ -
457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID	LF	\$ 98.00		\$ -
459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID	LF	\$ 116.30		\$ -
463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID	LF	\$ 55.00		\$ -
465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID	LF	\$ 62.10		\$ -
467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID	LF	\$ 71.45		\$ -
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 39.00		\$ -
474-Geo SPT Barge/Track/Amphibious 050-100 Ft	LF	\$ 38.30		\$ -
475-Geo SPT Barge/Track/Amphibious 100-150 Ft	LF	\$ 58.25		\$ -
476-Geo SPT Barge/Track/Amphibious 150-200 Ft	LF	\$ 78.45		\$ -
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 19.50	200	\$ 3,900.00
479-Geo SPT Truck-Mud Bug 50-100 Ft	LF	\$ 22.20		\$ -
480-Geo SPT Truck-Mud Bug 100-150 Ft	LF	\$ 38.30		\$ -
481-Geo SPT Truck-Mud Bug 150-200 Ft	LF	\$ 50.50		\$ -
483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft	LF	\$ 17.75		\$ -
484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft	LF	\$ 22.30		\$ -
485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft	LF	\$ 28.45		\$ -
486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft	LF	\$ 35.30		\$ -
488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft	LF	\$ 12.75	60	\$ 765.00
489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft	LF	\$ 16.00		\$ -
490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft	LF	\$ 20.25		\$ -
491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft	LF	\$ 24.45		\$ -
514-Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 840.00		\$ -
515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft	Each	\$ 315.00		\$ -
516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft	Each	\$ 355.00		\$ -
517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft	Each	\$ 445.00		\$ -
518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft	Each	\$ 530.00		\$ -
519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft	Each	\$ 225.00	2	\$ 450.00
520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft	Each	\$ 250.00		\$ -
521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 310.00		\$ -
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 353.00		\$ -
525-Geo Well Development	Hour	\$ 216.00		\$ -
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 300.00	10	\$ 3,000.00
532-Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 375.00		\$ -
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	\$ 314.00		\$ -
534-Geo Track/Barge Drill Rig and Crew (3-person)	Hour	\$ 505.00		\$ -
535-Geo Clearing Equip- Tractor, Bush Hog Attachment	Day	\$ 1,950.00		\$ -
536-Geo Clearing Equip-Skid Steer/ASV, ForestMulching Attach	Day	\$ 1,700.00		\$ -
537-Geo Clearing Equip-Skid Steer/ASV, Brush Cutter Attach	Day	\$ 2,010.00		\$ -
538-Geo Clearing Equipment	Day	\$ 2,510.00		\$ -

Item Description	Unit	Unit Price	Quantity	Total
539-Geo Wash Boring for Rock Cores 0-50 Ft	LF	\$ 14.00		\$ -
540-Geo Wash Boring for Rock Cores 50-100 Ft	LF	\$ 16.25		\$ -
541-Geo Wash Boring for Rock Cores 100-150 Ft	LF	\$ 24.00		\$ -
542-Geo Wash Boring for Rock Cores 150-200 Ft	LF	\$ 27.25		\$ -
602-Mobilization-Vibration Monitoring Equipment	Each	\$ 399.00		\$ -
603-Mobilization Asphalt Coring Equipment	Each	\$ 515.00	2	\$ 1,030.00
604-Mobilization Barge Large	Each	\$ 15,400.00		\$ -
606-Mobilization Concrete Coring	Each	\$ 510.00	2	\$ 1,020.00
608 Mobilization Drill Rig Amphibious	Each	\$ 12,600.00		\$ -
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 13,000.00		\$ -
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,650.00		\$ -
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 720.00	3	\$ 2,160.00
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 1,225.00		\$ -
618-Geo Mobilization Support Boat	Each	\$ 670.00		\$ -
619-Geo Mobilization Tri-Pod	Each	\$ 1,900.00		\$ -
620-Mobilization of Clearing Equipment	Each	\$ 714.00		\$ -
701-MOT Attenuator Truck	Hour	\$ 320.00		\$ -
702-MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 5.95		\$ -
706-MOT Portable Sign	Each	\$ 64.40	42	\$ 2,704.80
708-MOT Provide Channelizing Devices - Cone	Each	\$ 9.80	126	\$ 1,234.80
710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 325.00		\$ -
712-MOT Support Vehicle	Hour	\$ 162.00	3	\$ 486.00
800-Soils Chloride Soil or Water (FM 5-552)	Test	\$ 115.00		\$ -
803-Soils Consolidation - Constant Strain (ASTM D4186)	Test	\$ 690.00		\$ -
804-Soils Consolidation - Extended Load Increments (AASHTO T216)	Day	\$ 238.00		\$ -
805-Soils Corrosion Series (FM 5-550 through 5-553)	Test	\$ 320.00	4	\$ 1,280.00
806-Soils Direct Shear Consolidated Drained/ Point AASHTO T 236	Test	\$ 440.00		\$ -
810-Soils CBR	Test	\$ 464.00	4	\$ 1,856.00
811-Soils Liquid Limit (AASHTO T 89)	Test	\$ 76.00	6	\$ 456.00
812-Soils Materials Finer than 200 Sieve (FM 1-T011)	Test	\$ 65.00	20	\$ 1,300.00
817-Soils Moisture Content Laboratory (AASHTO T 265)	Test	\$ 23.80	6	\$ 142.80
819-Soils Organic Content Ignition (FM 1 T-267)	Test	\$ 61.00	4	\$ 244.00
821-Soils Particle Size Analysis (AASHTO T 88) (Including Hydrometer)	Test	\$ 250.00		\$ -
822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer)	Test	\$ 98.00	3	\$ 294.00
823-Soils Permeability Constant Head (AASHTO T 215)	Test	\$ 445.00		\$ -
824-Soils Permeability Falling Head (FM 5-513)	Test	\$ 385.00		\$ -
825-Soils pH Soil or Water (FM 5-550)	Test	\$ 65.00		\$ -
826-Soils Plastic Limit & Plasticity Index (AASHTO T 90)	Test	\$ 76.00	6	\$ 456.00
827-Soils Proctor Modified (FM 1-T 180)	Test	\$ 165.00		\$ -
828-Soils Proctor Standard (AASHTO T 99)	Test	\$ 165.00		\$ -
829-Soils Resistivity Soil or Water (FM 5-551)	Test	\$ 73.00		\$ -
832-Soils Splitting Tensile Strength of Rock Cores (ASTM D3967)	Test	\$ 195.00		\$ -
833-Soils Sulfate Soil or Water (FM 5-553)	Test	\$ 80.00		\$ -
838-Soils Unconfined Compression - Rock (ASTM D7012, Method C)	Test	\$ 250.00		\$ -

Item Description	Unit	Unit Price	Quantity	Total
Engineering and Technical Services				
Chief Engineer 2	Hour	\$ 289.14	3	\$ 867.42
Engineer 1	Hour	\$ 173.17	17	\$ 2,943.89
Engineer 2	Hour	\$ 188.39	17	\$ 3,202.63
Engineering Intern	Hour	\$ 138.60	35	\$ 4,851.00
Engineering Technician	Hour	\$ 110.05	17	\$ 1,870.85
Principal Engineer	Hour	\$ 287.65	5	\$ 1,438.25
Secretary/Clerical	Hour	\$ 134.85	3	\$ 404.55
Senior Designer	Hour	\$ 155.00	26	\$ 4,030.00
Senior Engineer 1	Hour	\$ 271.99	22	\$ 5,983.78
Senior Engineer 2	Hour	\$ 220.57	9	\$ 1,985.13
Senior Engineering Technician	Hour	\$ 141.14	17	\$ 2,399.38
Total Estimated Fee =				\$ 68,348.28



Northwest Surveying, Inc.
A certified MBE/DBE/SBE Corporation
8409 Sunstate Street. Tampa, Florida 33634-1309
(813) 889-9236; Fax: (813) 886-3315
www.nsitampa.com

October 13, 2025

Mr. Dennis Combs, PE
AECOM
7650 West Courtney Campbell Causeway, Suite 700
Tampa, Florida 33607

RE: TPA Runway 1L/19R
NSI Proposal No. 250909

Revision 1

Dear Mr. Combs:

Thank you for the opportunity to submit this fee proposal for surveying services at the above referenced project.

The scope of work included in this proposal is a Topographic Survey of a portion of Runway 1L/19R as shown on the attached Exhibit "B".

Specifically, we will establish horizontal and vertical control points for the Geotech firm, the scanning firm, the contractor and our use as well.

The horizontal datum will be NAD 83/2011 adjustment and the vertical datum will be NAVD 88.

Northwest Surveying Inc. (NSI) will obtain the soft shot elevations at 50' intervals, survey and map all topographic features within the survey limits, to include drainage structures, pipe data, a photo of each structure and any unknown topographic feature.

G.F. Young will perform Mobil Lidar Scanning of all hard surfaces within the survey limits. The scan will include topographic features located on the hard surfaces, the PCC slab limits/seams, shoulders and elevations at 25 foot intervals. The scan data will be merged with the ground survey topography to generate a comprehensive topographic map of the entire surveyed and scanned area along with a 3D surface.

We will mobilize two field crews which will require access to Runway 1L/19R, Taxiways "V" and "W" for 2 days. The remaining survey limits can be completed in 4 days with limited interruption to airfield operations.

The deliverables will be signed PDF maps and a 3D surface to be submitted 6 weeks from field work completion date.

Our fee to perform the surveying services of Runway 1L/19R will be	\$ 16,182.00
G.F. Young proposal (see attached)	<u>\$ 72,500.00</u>
Total	\$ 88,682.00

All of the work will be performed under the direct supervision of a Professional Land Surveyor and will meet or exceed the Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J17.050 to 5J17.052, Florida Administrative Code, pursuant to Section 472.027 Florida Statutes.

If you have any questions, please do not hesitate to contact our office.

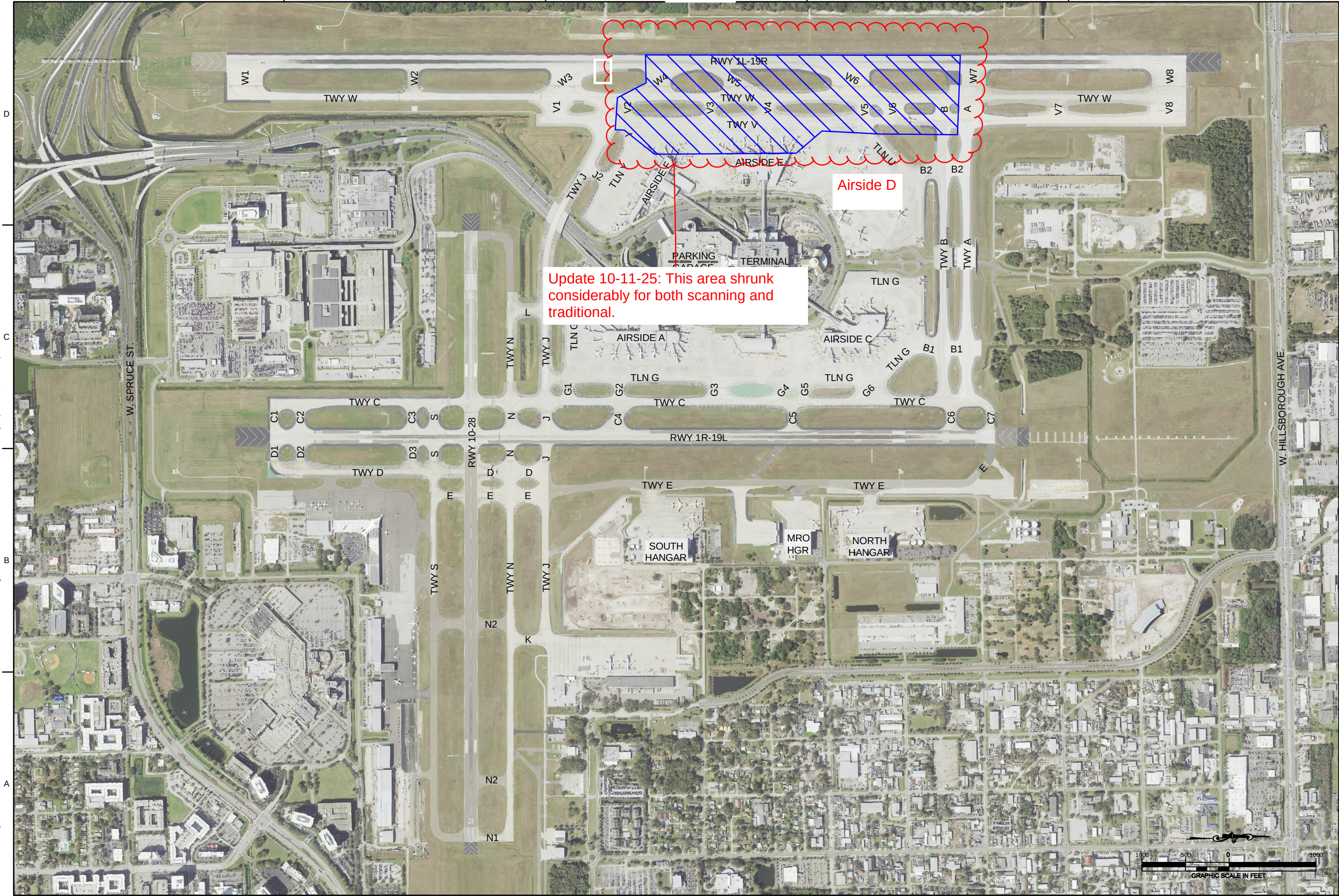
Sincerely,

NORTHWEST SURVEYING, INC.

A handwritten signature in cursive script that reads "Gerald Silva".

Gerald Silva, PSM
President

FILE NAME: D:\Civil 3D Projects\TPA RW 1R-19L Rehab\2024-05-14 RW 1R Reconstruction\Plan\Sketches\PAVING PLAN.dwg LAYOUT NAME: AERIAL-OVERALL PLOTTED: Wednesday, September 04, 2024 - 2:10pm USER: bob.morris



PROJECT NAME		DESIGNED: RJM	
RUNWAY 1R-19L REHABILITATION AND TAXIWAY C RECONSTRUCTION		DRAWN: RJM	
SHEET TITLE		CHECKED: DGC	
2023 AERIAL		HCAA NO.:	
		JOB NO. 60695347	
		DATE AUGUST 2024	
		SHEET 1 OF 10	
SHEET NO. 1		HILLSBOROUGH COUNTY AVIATION AUTHORITY	
		TAMPA, FLORIDA	
		AECOM Technical Services Inc. 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Tel: 813.386.7111 CA-10, 813	
		AECOM	
		DATE	
		REVISIONS	
		BY	



October 13, 2025

Gerald “Jerry” Silva, PSM
President
Northwest Surveying, Inc.
8409 Sunstate St.
Tampa, FL 33634

RE: Tampa International Airport – Mobile LiDAR – RW 1L-19R_Taxiways

Dear Mr Silva

It is our understanding that you require the assistance of a Professional Surveyor and Mapper for survey and mapping services for the above referenced property. Pursuant to your request, attached herewith is our proposal for professional services.

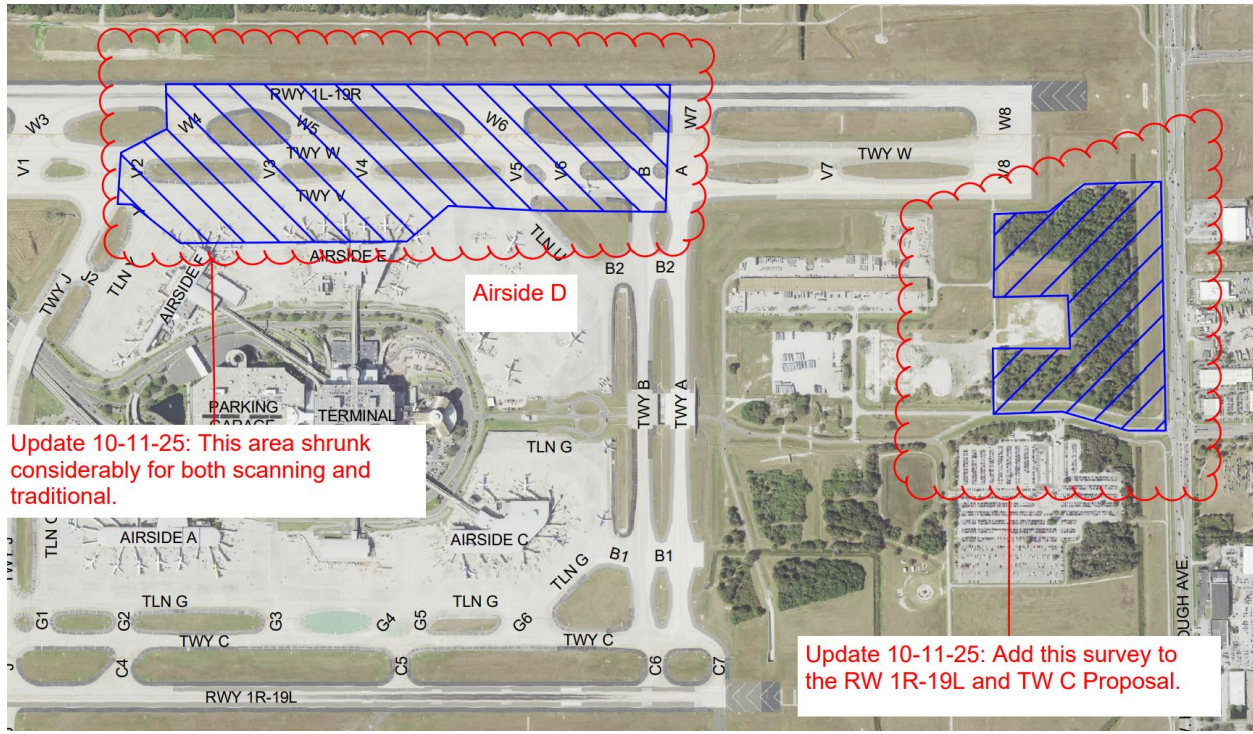
Scope of Services:

- Mobile LiDAR Scan with images of the Tampa International Airport as out lined in as the Scope of work for the 1L-19R Runways and Taxiways in the provided overall “RW 1R-19L.pdf” that was provided by Northwest Surveying, Inc. detailing the scope of work in Tampa, FL. The project will be subject to the following guidelines and assumptions.
 - Survey access is available during day under the direction of Airport Operations; we anticipate that the data collection will be done over the course of no more than 1 day.
 - This is providing weather is permittable and surfaces are dry.
 - GFY, Inc. must have at least 7-10 business days notice prior to commencing data collection onsite.
 - Client will arrange runway and taxi closures.
 - Client will arrange any escorting vehicles, radios for communication with Tower if needed or any other communication devices needed for Airport Operations.
 - LiDAR for this will be collected as per “TPA 2013 GEODETIC CONTROL BASE.pdf” provided by the Client.
 - Client will provide MOT (as per Survey Note 11) if required and/or other safety plans as needed.
 - Client will provide Civil 3D code list prior to any data collection.
 - Client will ensure all non-runway and taxiway sites will be cleared prior to scanning.

Deliverables:

- GFY shall also provide the final deliverable in an electronic version of the survey in AutoCAD Civil 3D 2018 “DWG” format and “PDF” transmitted by electronic means.
- 2D concrete joint location map as per Survey Note: 7.
- 2D features of objects that are only on the paved surfaces as per Survey Note 3.
- 3D DTM Survey of all paved surfaces that were mobile scanned as per KMZ from GFY, Inc.

Scope of Work:



The fee for the above services is **\$72,500.00**.

Please forward a Professional Survey Services Agreement for our review and signature. We look forward to working with you on this and if you have any questions regarding this proposal, please do not hesitate to contact me at your convenience.

Sincerely,

GEORGE F. YOUNG, INC.



Trevor Hatch, PSM
Vice President Surveying – St Pete

October 3, 2025

AECOM

ATTN: Dennis Combs, P.E.
7650 West Courtney Campbell Causeway
Tampa, FL 33607

**RE: Runway 1L-19R and Taxiways
Price Proposal for Designating & Locating Services**

Dear Mr. Combs:

In accordance with your request, Element Engineering Group, LLC (ELEMENT) is pleased to submit our proposal to provide Professional Surveying and Mapping and Subsurface Utility Engineering (SUE) services.

DESCRIPTION OF SERVICES

ELEMENT will provide technicians, equipment, and special tools to perform a subsurface utility engineering investigation and survey of the project area.

Subsurface Utility Engineering (SUE):

ELEMENT will provide technicians, equipment and special tools to designate the horizontal position and locate/verify the precise horizontal and vertical position of existing utilities in the specified area shown on Exhibit 'A' using the procedures and techniques described below.

SUE Designating (Quality Level B)

ELEMENT will provide technicians, equipment and special tools including multiple handheld electromagnetic (EM) locators and ground-penetrating radar (GPR) to designate and mark the horizontal position of existing utilities within the project limits as shown in Exhibit 'A'. ELEMENT will mark the horizontal position of existing utilities within an approximate 5-foot radius from the center of each proposed geotechnical field exploration/boring location as provided by the geotechnical engineering consultant.

Electromagnetic (EM) induction is a method in which a transmitter signal is applied by directly coupling to a metallic target. A receiver is then used to detect the transmitted signal. Passive detection is another technique used to locate naturally occurring magnetic fields that exist on power cables generating a 50/60 Hz. signal. Additionally, Very Low Frequency (VLF) signals can be detected on other metallic utilities that are typically long in length and are well grounded electrically. Some utility systems contain portions of non-metallic material and, therefore, we may not be able to locate using EM techniques. Ground Penetrating Radar (GPR) uses a high frequency radio signal that is transmitted into the ground and reflected signals are returned to the receiver for storage on digital media. The computer measures the time taken for a pulse to travel to and from the target indicating its depth and location. The reflected signals are interpreted by the system and displayed on the unit's LCD panel. Utilization of the equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

SUE Locating (Quality Level A)

ELEMENT will provide technicians, equipment, and special tools to locate the horizontal and vertical position of requested utilities within the topographic area shown on Exhibit 'A'. ELEMENT will perform a maximum of thirty (30) SUE Quality Level A Locates/Test Holes.

Test holes (Vacuum excavation) is a technique used to safely expose utilities by using a combination of compressed and vacuum air. Once the utility has been exposed, depth, diameter and material type can be obtained.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

Survey of SUE

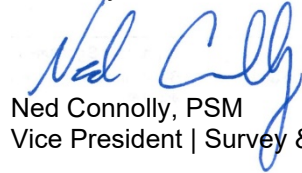
ELEMENT will provide technicians, equipment, and special tools to complete survey of the SUE Designating and Locating. The SUE data will be processed, reviewed, and put into AutoCAD for delivery. All work shall be performed in accordance with the minimum requirements of Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Professional Service Fees (Not to Exceed Maximum Fee):

<u>Classification</u>	<u>Crew Days</u>	<u>Staff Hours</u>	<u>Rate</u>	<u>Sub-Total</u>
Survey Crew	15.0	N/A	\$1,900.00	\$28,500.00
Designating Crew	31.0	N/A	\$2,100.00	\$65,100.00
Locating Crew	10.0	N/A	\$2,250.00	\$22,500.00
Senior Surveyor & Mapper	N/A	50.0	\$264.00	\$13,200.00
SUE Project Manager	N/A	80.0	\$200.00	\$16,000.00
SUE / Survey CADD Technician	N/A	170.0	<u>\$130.00</u>	<u>\$22,100.00</u>
		TOTAL		\$167,400.00

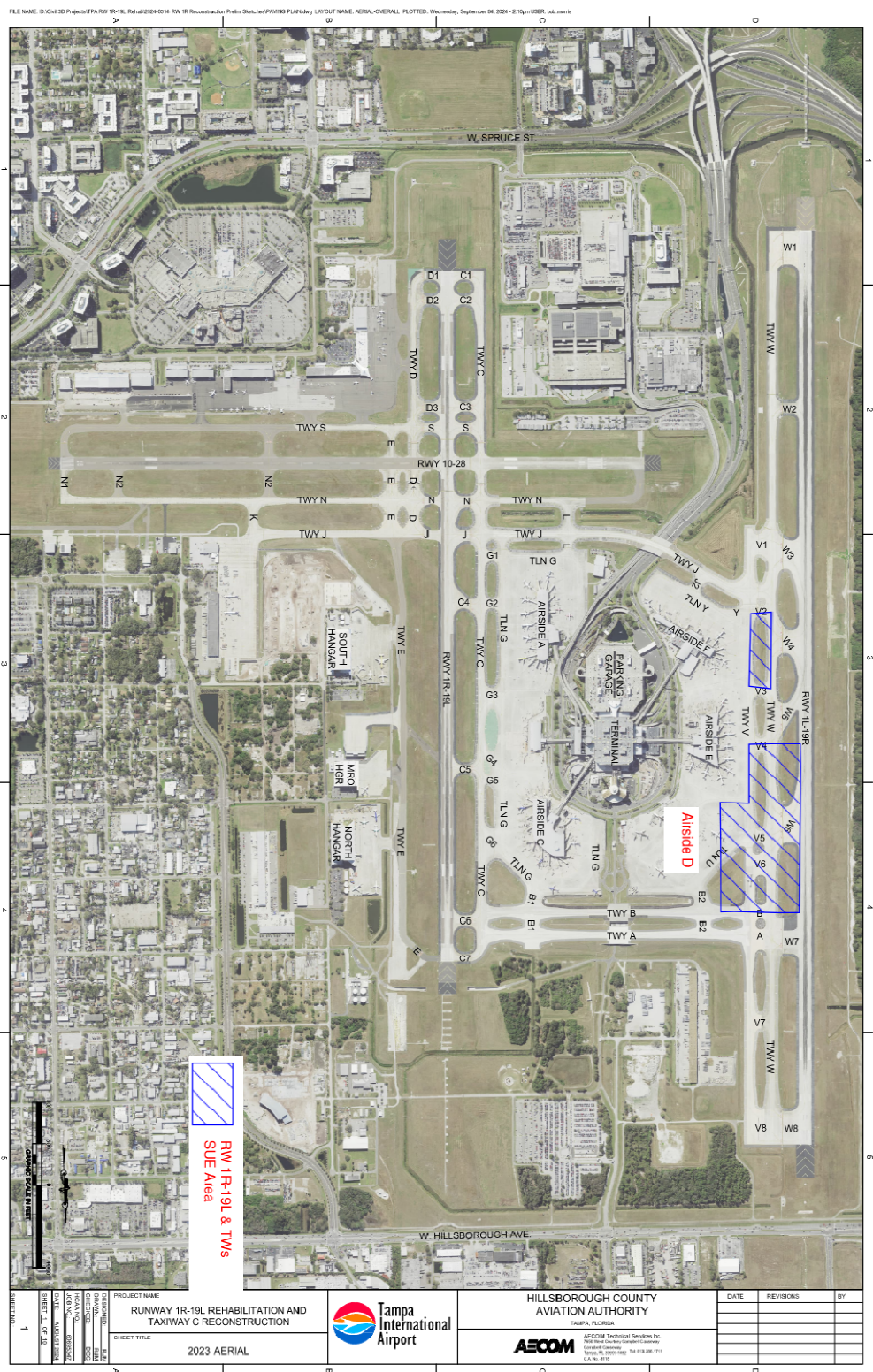
Schedule: If you have any questions or need additional information, please do not hesitate to contact me. Again, we appreciate this opportunity and look forward to working with you on this project.

Sincerely,



Ned Connolly, PSM
Vice President | Survey & SUE Group Manager

EXHIBIT 'A'





October 13, 2025

Attention: Mr. Dennis Combs, P.E.

Re: **Rate Sheets for Construction Material Testing Services
TPA RW 1R-19L (Revised), RW 1L-19R Complex (Revised), & NW RON Parking
(Revised)
Tampa, Florida**

Dear Dennis:

TSFGEO is pleased to submit this proposal for Construction Material Testing Services in support of upcoming airfield improvement projects at Tampa International Airport. This proposal provides a summary of our understanding of the work, an outline of our proposed services, and an estimate of the associated fees.

PROJECT CONSIDERATIONS

Based on the information provided, the proposed work may include new pavement construction, rehabilitation of existing pavement, subgrade and base course improvements, drainage and utility installations, and associated structural features. These activities are anticipated to involve subgrade stabilization (P-152), base construction (P-209/P-211/P-306), Portland cement concrete pavement (P-501), and asphalt paving (P-401/P-403), along with associated stormwater and lighting foundations.

PROPOSED SCOPE OF SERVICES

Construction Materials Testing

- **Soils:** Field density testing of compacted fills and bases; laboratory proctors, gradations, and LBR testing as required.
- **Concrete:** Field testing of fresh concrete (slump, air, temperature, unit weight) and molding of compressive strength cylinders and flexural beams, if required. Laboratory compressive/flexural testing at designated ages.
- **Asphalt:** Plant and field technician services, asphalt coring for thickness and density verification, extraction and gradation testing, and monitoring of paving operations.
- **Utilities/Drainage:** Density testing of trench and structure backfill; observation of culvert and manhole installation as needed.

Professional Services

- Provide senior technician support for drilled shafts, structural foundations, or specialty items.
- Assign a Project Manager and Professional Engineer to oversee field and laboratory activities, attend meetings, review test reports, and provide sealed deliverables.
- Provide administrative support for scheduling, coordination, and timely report distribution.

FEES

Our services will be provided on a unit-rate basis according to the attached fee schedule. Estimated quantities and testing frequencies have been developed based on preliminary project information and FAA/FDOT specifications. Invoices will be submitted monthly for services performed.

FEE ASSMPTIONS

- Quantities and testing frequencies are based on preliminary project data and FAA/FDOT specifications (P-152, P-209, P-306, P-401, P-403, P-501).
- Asphalt paving assumed to occur over multiple days for plant and field coverage. Cores are based on estimated shoulder and select pavement quantities.
- Earthwork/backfill density tests assume typical lift thicknesses and accessible test locations; box culvert and drainage structures carried at 1 test per 300 LF per lift.
- Technician hours include anticipated night/weekend coverage; senior technician time carried for ~10 drilled shafts at 12–15 hr/shaft.
- Proctors, LBR, and gradations assumed per source change or material type.
- Fees exclude major schedule extensions, excessive standby time, or additional mobilizations not reflected in the assumed construction durations.
- All fees are unit-rate and will be billed on actual quantities tested and hours worked.

Respectfully submitted,
TSFGEO



Tyler F. Gorman
Construction Services Manager



Amy L. Guisinger, P.E.
Principal Engineer



Dennis Mitchell, P.E.
Geotechnical Engineer

Attachments:
Fee Schedule

TIERRA SOUTH FLORIDA, INC
STANDARD UNIT FEE SCHEDULE

TSFGeo
FEE PROPOSAL FOR CMT SERVICES
RUNWAY 1L-19R - WEST AIRFIELD IMPROVEMENTS
October 13, 2025

Scope: The general scope of work consists of construction materials testing and inspection services and any other related services. The Schedule of Fees and Services shown below provides the standard services that may be requested.

	Unit	# of Units	Unit Price	Total
I. SOIL TESTING				
Field Density Test (five [5] minimum)	Test		\$ 55.00	\$ -
Proctors	Test		\$ 150.00	\$ -
California/Limerock Bearing Ratio Test	Test		\$ 500.00	\$ -
Atterberg Limit Test	Test		\$ 105.00	\$ -
Carbonate Content Test	Test		\$ 125.00	\$ -
Organic Content Test	Test		\$ 65.00	\$ -
Corrosion Series	Test		\$ 225.00	\$ -
Natural Sample Moisture Content	Test		\$ 35.00	\$ -
Unit Weight and Moisture Content	Test		\$ 85.00	\$ -
			Subtotal	\$ -
II. CONCRETE & MASONRY MATERIALS				
Concrete Compression test (min four [4] cylinders per trip)	Set	35	\$ 140.00	\$ 4,900.00
- Prepare cylinders & slump test on site, and deliver to lab				
Concrete Flexural test	Set	10	\$ 175.00	\$ 1,750.00
- Prepare beams & slump test on site, and deliver to lab				
Additional Concrete Cylinders	Each		\$ 40.00	\$ -
Concrete Compression test only [delivered to lab by others]	Each		\$ 30.00	\$ -
	Each		\$ 30.00	\$ -
Concrete Cores (Minimum of 3 cores)				
- Secure, trim and test	Each		\$ 225.00	\$ -
-Testing of core [delivered to lab]	Core		\$ 65.00	\$ -
			Subtotal	\$ 6,650.00
III. AGGREGATE TESTING				
Grain-size Determination				
a. Full (8 sieves)	Test	10	\$ 90.00	\$ 900.00
b. Wash (#200)	Test		\$ 75.00	\$ -
Sieve Analysis - Coarse Aggregate	Test	10	\$ 90.00	\$ 900.00
Specific Gravity & Absorption of Fine or Coarse Aggregate	Test		\$ 100.00	\$ -
			Subtotal	\$ 1,800.00
IV. ASPHALT TESTING				
Asphalt Coring (Minimum of 3 cores)	Each		\$ 175.00	\$ -
Asphalt Extraction & Gradation	Each		\$ 195.00	\$ -
Asphalt Density & Thickness	Each		\$ 45.00	\$ -
Marshall Stability (incl. density, flow & stability of 3 specimens)	Test		\$ 185.00	\$ -
Coring Machine plus Generator Rental	Day		\$ 450.00	\$ -
Asphalt Plant Technician	Day	7	\$ 1,100.00	\$ 7,700.00
Asphalt Paving Technician	Day	7	\$ 1,000.00	\$ 7,000.00
			Subtotal	\$ 14,700.00
V. ENGINEERING AND HOURLY RATES				
Principal Engineer	Hour	5	\$351.68	\$ 1,758.40
Project Engineer	Hour	10	\$252.79	\$ 2,527.90
Staff Engineer	Hour		\$173.10	\$ -
Project Manager	Hour	40	\$241.77	\$ 9,670.80
Technician	Hour	140	\$118.87	\$ 16,641.80
			Subtotal	\$ 30,598.90
			Total	\$ 53,748.90

Scope of Services for:

HCAA Project Number 8665 26

Northwest Remain Overnight Parking Apron

Tampa International Airport

Prepared by:



October 24, 2025

**PROFESSIONAL ENGINEERING SERVICES FOR
NORTHWEST REMAIN OVERNIGHT PARKING APRON
HCAA PROJECT NUMBER 8665 26**

**TAMPA INTERNATIONAL AIRPORT (TPA)
TAMPA, FL**

AECOM TECHNICAL SERVICES, INC.

1. INTRODUCTION

This scope of services (scope) outlines the tasks proposed by the AECOM Technical Services, Inc. (AECOM) Team to assist the Hillsborough County Aviation Authority (HCAA or Authority) with Professional Engineering and Construction Administration Services associated with Northwest Remain Overnight Parking Apron (RON). The name AECOM will be used but will include all subconsultants working on the project.

To accommodate existing remain overnight (RON) parking demand, additional RON parking is needed at TPA. The ability to accommodate the number of aircraft that remain at TPA overnight is becoming more difficult. Traditionally, the last arriving aircraft remains parked at its inbound gate and remains overnight (RON) until it departs in the morning. As the airlines increase their number of flights, the airport is in a position whereby there are more aircraft that remain overnight than available gates. When this situation occurs, the airlines move their extra aircraft to a remote apron area to remain overnight.

Accommodation for RON aircraft includes diverted flights that require a temporary parking location, as these aircraft are contributing factors in RON parking demand. Historically, the Airport provides accommodation for RON and diverted aircraft at Hardstand D, Hardstand A, and the recently opened North RON.

The project includes the construction of a new remote aircraft parking apron to accommodate up to 14 remain overnight ADG III aircraft and other combinations of larger aircraft. The apron configuration is anticipated to include a taxiway located at the tail of the parked aircraft to accommodate independent operation of each parking position. Two taxiway connectors will tie the apron to the existing airfield. The location of the apron is anticipated to be located both west and south of the North Air Cargo Building as shown in Figure 1. A ground support equipment (GSE) storage area is included in the design for support equipment. All pavement is expected to be Portland cement concrete. The apron will include drainage features that will provide the ability to fuel aircraft via truck fueling (no hydrant fueling system is included).

The project is scoped to provide a single bid package that includes the Northwest RON parking apron and the Rehabilitate Runway 1L-19R Complex (inclusive of West Airfield Improvements) HCAA Project 8660 26 (scope and fee for that project under separate proposal). The fee proposal shows contingency amounts should the Authority elect to provide this design as a stand-alone design. An additional contingency is included to allow the possibility of building a portion of the RON apron now and deferring a portion of the apron to a later date. Contingency design includes a separate bid package and construction administration associated with that separate package.

The scope of the project consists of the following elements per the HCAA RFQ, HCAA PMP, RS&H Meeting documents and meetings to discuss the project. Included on the following pages are Figure 1 from the RS&H meeting on 9-19-25.

Project Scope Elements

- 1) Provide data collection including subsurface utility exploration, Lidar and traditional survey, and geotechnical data. Non-Destructive Testing (NDT) has been excluded from the scope based on NFPA requirements to remove the existing concrete due to slope deficiencies.

- 2) Remove existing apron concrete for installation of new pavement meeting NFPA slopes. Remove existing hydrant fueling system and dispose of all materials in accordance with EPC regulations.
- 3) Provide for CCTV (at each high mast light or on adjacent building) and lightning warning system to integrate into the Authority's existing systems.
- 4) Provide layout for 14 Aircraft Design Group III and other combinations of larger aircraft with nose toward the building (east).
- 5) Provide concrete apron and GSE pavement in accordance with Figure 1. Pavement design will be in accordance with latest FAA Pavement Design Advisory Circular.
- 6) Provide design for high mast lighting adjacent to the existing building for the new RON apron. AECOM will work with the height zoning manager to comply with airspace requirements. AECOM will review lighting effect on the Air Traffic Control Tower (ATCT).
- 7) Provide design of stormwater including trenchdrain in accordance with NFPA regulations. Provide Stormwater permit from Southwest Florida Water Management District. Assumption that the existing stormwater pond west of Runway 1L-19R has capacity for treatment. Project includes survey of the existing control structure and modifications of that control structure to meet SWFWMD requirements.
- 8) Provide design of pavement, markings, and airfield lighting in accordance with FAA Advisory Circulars.

Project Assumptions

- 1) Project will be designed and constructed together with Rehabilitate Runway 1L-19R Complex (inclusive of West Airfield Improvements) HCAA Project 8660 26.
- 2) Coordination with the AUTHORITY'S NEPA process is included but all documents related to the environmental design effort and approval from FAA's NEPA process is not included in the scope or fee. No environmental services are anticipated or included in the scope or fee.
- 3) AECOM will be provided timely access to AUTHORITY's facilities as needed for AECOM to perform the Scope of Services, including escort by AUTHORITY staff if required.
- 4) AUTHORITY will provide all necessary existing documents and goals and objectives for the Project.
- 5) Documents will be created using the AUTHORITY's CAD Standards with 11"x17" size drawings. All drawings will be created in black and white or color AutoCAD format using English units.
- 6) Designs will be developed to be compliant with codes and regulations in force at the time the proposal and fee are submitted. Significant changes to regulatory requirements may require separately scoped additional services.
- 7) The AECOM Team shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials or toxic substances in any form at the project site. Hazardous materials are not anticipated. This material can be addressed in the general contingency, if required. Any hazardous materials discovered will be addressed in the contract documents for contractor final disposition.
- 8) Uploading data in the FAA/GIS Database or creating a project on the FAA/GIS is not a part of the Scope of Services as enumerated above but will be included in the construction contract documents for the contractor to perform such services. AECOM will review and assist in this process.

- 9) Any service not specifically enumerated within this scope is not included and would only be performed at Client's request and approved fee.
- 10) Duration of construction is assumed to be 13 months.
- 11) Resident Project Inspection by up to 2 full-time inspectors has been included as a contingency item under allowance at 50 hours per week for one full year. No Project Manager or Resident Engineer has been included in the allowance item.

Below please find Figure 1 from the RS&H Meeting dated September 19, 2025 provided to AECOM by HCAA indicated as the preferred layout and will be utilized as the basis of design.

Refined Aircraft Apron

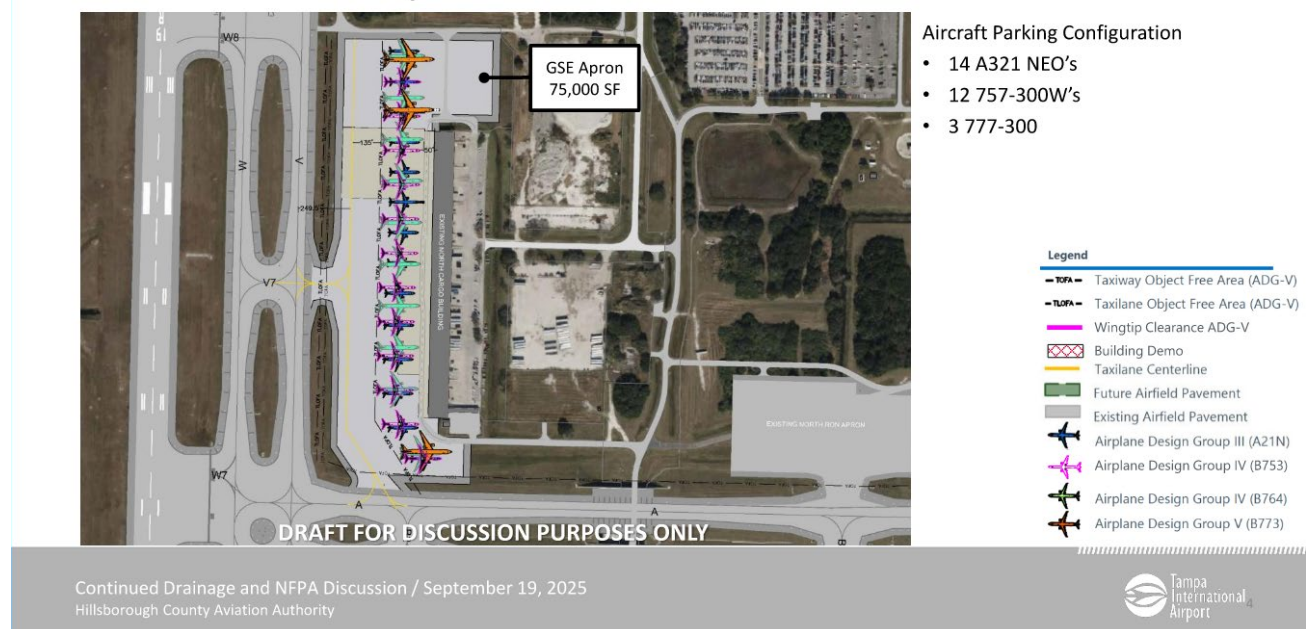


Figure 1: Refined Aircraft Apron by RS&H meeting 9-19-25 (Source HCAA)

2. SCOPE OF SERVICES

AECOM will prepare design documents for Northwest RON Parking Apron. The following tasks are included in the proposal and the attached fee spreadsheet.

- a. **Project Management and Meetings** – AECOM will provide project management for the project to include all necessary invoicing, reporting, coordination as required for the project.
- b. **Owner and Internal Meetings** – AECOM will attend and document with meeting notes weekly design meetings with the owner. The owner meetings are anticipated to be a hybrid meeting with in-person and Teams attendance. The AECOM Team will also have weekly coordination meetings to discuss project scope and schedule.
- c. **Record Drawings and Verification** – AECOM will obtain from the Authority all applicable record drawings, review existing drawings & data, and verify accuracy prior to use of materials in the design of the project.

- d. **Preliminary and Existing Condition Graphics** – Provide graphics and documents to further discussions in meetings and make recommendations towards design direction. Provide graphics showing the existing field conditions.
- e. **Field Work Coordination** – Coordinate with Airport P&D and Operations for the scheduling and sequencing of field work. Includes coordination with all subconsultants to minimize airfield closures.
- f. **Field Work Oversight / Escorting** – AECOM will provide oversight and closure assistance for field work requiring airfield closures.
- g. **Field Inspections** AECOM will perform field inspections of the proposed project location to gather visual information and document existing conditions. Multiple disciplines will be performing field inspections.
- h. **Survey Reduction and Incorporation** – Survey data will be analyzed and incorporated into the base drawings for the project in accordance with the HCAA and national CADD standards for layer and layer naming conventions.
- i. **Design Drawings** - This task includes the development of drawings appropriate for the various design stages to facilitate stakeholder coordination and Authority review and approvals and for bidding and construction. The 30% (concept) Design Milestone drawings will include major project elements that provide enough information to describe the scope of the project. At 30% milestone major elements of project will be defined and agreed. Some standard details will be included. Phasing plans will be at a concept level. 60% Design Milestone drawings will build upon the previous submissions. At 60% most, if not all design elements are identified and fully shown. Stakeholder comments have been fully addressed. Major elements of the phasing plans should be agreed. 90% Design Milestone drawings will build upon the previous submissions. At 90% all design elements are complete, including details. Pending incorporation of final Authority and AHJ comments the drawings are considered final. 100% Design and Final Milestone drawings are complete and are only for Authority confirmation that comments have been addressed.
- j. **Existing Conditions Drawings** – Detailed notes will be taken from all field inspections and multi-discipline existing conditions drawings will be created and utilized during the design process.
- k. **Geotechnical Data Review** – The Team will coordinate with the geotechnical subconsultant and review all appropriate geotechnical data. AECOM will provide the geotechnical reports to the Authority. See specific proposal from Tierra, Inc. for additional information.
- l. **Stormwater Design and Permitting** - Work includes all design and coordination to submit and receive a modification to an existing Environmental Resource Permit (ERP) from the Southwest Florida Water Management District. The AECOM scope will include detail calculations, narrative, and exhibits as required to meet SWFWMD. Additional treatment capacity is not anticipated to be required for this project as the existing stormwater pond west of Runway 1L-19R should have sufficient treatment capacity. Collection and conveyance systems will be designed in accordance with FAA standards, City of Tampa standards, and FDOT standards. Underdrain systems for full strength taxiway pavement will be evaluated and designed in accordance with industry standards.
- m. **SUE Evaluations** – AECOM will evaluate the existing project site to locate all known utilities and will provide ACAD drawings of all surveyed utilities. Will identify specific utility locations where elevation data is needed. See proposal from Element Engineering for additional information on Subsurface Utility Engineering.

- n. **Fueling Impacts and Design** - AECOM will provide drawings and specifications for the dismantling and removal of all remaining fuel infrastructure within the existing apron footprint including fuel pipelines, fuel pits, cathodic protection systems, control valve or isolation valve pits, and associated electrical infrastructure.
- o. **Quantities and Cost Estimate** - The scope includes an estimate of probable construction cost for the project and verify with the current project budget for construction. AECOM will perform a quantity take-off of the plans at each stage of design and provide a unit price estimate. Any cost opinions or estimates provided by AECOM will be on a basis of experience and judgment, but since AECOM has no control over market conditions or bidding procedures, AECOM cannot and does not warrant that bids, ultimate construction cost, or project economics will not vary from such opinions or estimates. The scope includes developing and maintaining a schedule for design. The schedule will be updated and submitted with each design deliverable milestone. A cost estimate will be provided in late March 2026 to assist HCAA in PMP budgeting.
- p. **Schedule Updates** – AECOM will provide detailed design schedule with each submittal and construction schedules starting with the 60% design deliverable. Schedules will be in Microsoft Project and Excel spreadsheets as appropriate.
- q. **QA/QC** - AECOM will provide HCAA with our Quality Assurance/Quality Control (QA/QC) Plan for the project. Each deliverable will go through this QA/QC process and a Technical Quality Review Record (TQRR) will be generated from senior level staff and provided to the Authority for each design deliverable.
- r. **Deliverables** – AECOM will coordinate, combine and check each final deliverable for accuracy and scope compliance.
- s. **Pavement Design**- New apron pavement shall be concrete pavement designed in accordance with FAA AC 150/5320-6G Airport Pavement Design and Evaluation. The shoulder pavement will be constructed of Bituminous pavement and designed to FAA criteria. AECOM will utilize the fleet mix frequency provided by the AUTHORITY to design all pavement on the project.
- t. **Grading** - The survey will be utilized to create existing conditions 3-D model for the Northwest RON project site. Apron pavements will be analyzed for stormwater design and prepared to meet NFPA requirements for fueling aircraft via trucks (no in-pavement hydrant fueling is included). The grading will be presented in plan and cross section views.
- u. **Specifications, Engineer's Report, CSPP** – Starting with the 60% design submittal the AECOM team will provide draft and final specifications, Engineer's Report and Construction Safety Phasing Plans (CSPP) in accordance with FAA criteria. AECOM shall review, comment, and coordinate with the AUTHORITY on the front-end Division 0 and 1 sections of the Project Manual in conjunction with the plans and specifications at the 90% and 100% submittals. AECOM will utilize the FAA Advisory Circular 150/5370-10H, *Standard Specifications for Construction of Airports*, for all on-airport technical specifications. FDOT design standards will be utilized where appropriate (i.e. erosion control).
- v. **Utility Plans** – Where adjustments are required, we will consult with the utility owner and the AUTHORITY to gain a full understanding of the technical requirements for the accommodations, (e.g., separations, materials, cut-overs, etc.) and then develop designs and prepare drawings and documentation for construction of the accommodations. AECOM will prepare documentation for required permits. Accommodation will be like-for-like. Utilities identified include aircraft fueling system, gravity sanitary sewer, potable water main, TECO power, AUTHORITY and 3rd party IT/Comms, and NAVAID comms and electrical.

- w. **Airfield Lighting** – Design includes connecting the new NW RON Apron to an existing TW edge lighting circuit and all associated infrastructure for airfield lighting. No vault work is anticipated for this project.
- x. **Airfield Signage** - AECOM will locate and depict all new signage to match the revised airfield geometry and updated taxiway connector and runway designations. Locations will be dimensioned and referenced to the appropriate runway or taxiway geometry or pavement markings. All signage is assumed to be new unless conditions during field investigations warrant a different approach. AECOM will develop a comprehensive sign schedule covering all new signs and panel revisions to existing signs, listing sign ID, sign style, sign size, existing and proposed legend, power leg location and panel fabrication requirements, mounting type and mounting/interface notes to ensure compatibility with existing structures, luminance/illumination and power/source requirements, and installation location references.
- y. **High Mast Lighting** - The design scope includes installation of new high mast lighting along the North Air Cargo Building. Pole heights will be evaluated against applicable imaginary surfaces and coordinated with the AUTHORITY's Height Zoning & Land Use Manager prior to fixture selection. Fixture types (including LED) will be assessed to optimize photometric performance and cost efficiency based on allowable pole height. Shielding will be incorporated to mitigate potential impacts to the Air Traffic Control Tower (ATCT).
- z. **Pavement Marking Design** – Design will include new pavement markings for the NW RON Apron in accordance with FAA Advisory Circular 150-5340-1M, *Standards for Airport Markings*. Pavement marking details/information will be included in the construction drawings.
- aa. **Bid and Award Services** - This Task shall consist of bid and award services:
- Advertisement and Bidding Assistance
 - Assist in Addenda Preparations
 - Attend Prebid Conference
 - Evaluate Bids and Recommend Award
 - Issue Conformed Documents
- bb. **Construction Administration** – The AECOM scope of services will consist of the following tasks as outlined in the fee estimate:
- Attend Preconstruction Conference and prepare meeting minutes
 - Weekly Contractor's Meeting (with Meeting Minutes) and Site Visit
 - Construction Changes & Change Orders
 - Review Shop Drawings
 - Respond to RFIs
 - Review and Approve Contractor's Pay Request
 - Prepare Construction Management Plan
 - Review and Assist with Materials Testing
 - Review Contractor's Safety Plan and Compliance Document
 - Perform Substantial and Final Inspections
 - Prepare Record Drawings from Contractor Markups
- cc. **Resident Inspection** – As an allowance item in the contingency portion of the proposal are hours associated with providing assistant to the RPR and HCAA Project Manager in the form of up to 2 experienced airfield inspectors. Two (2) inspectors at 50 hours per week for a maximum of 52 weeks have been provided. These inspectors will work at the Authority's direction and provide on site review and documentation of the construction including coordination with HCAA, tracking of field quantities, notification of elements of non-compliance, and daily reporting.

dd. **Materials testing** – AECOM will provide materials testing in accordance with the specifications of the project anticipated to be FAA AC 150/5370-10H. See attached estimated materials costs from TSF Geotech dated October 3, 2025.

3. DELIVERABLES

PLAN DELIVERABLE TABLE

ITEM	30%	60%	90%	100%
Key Sheet (AECOM)	P	P	C	F
Signature Sheet (AECOM)		P	C	F
General Sheets (AECOM)	P	P	C	F
Phasing Sheets (AtkinsRealis/AECOM)		P	C	F
Survey and Existing Conditions (AECOM/ NSI)	P	P	C	F
Geotechnical Borings (Tierra, Inc.)	P	P	C	F
Demolition Sheets (AECOM)	P	P	C	F
Airfield Geometry (AtkinsRealis/AECOM)	P	P	C	F
Grading and Drainage (AECOM)	P	P	C	F
Drainage Details (AECOM)		P	C	F
Erosion Control Sheets (AECOM)	P	P	C	F
SWFWMD ERP Modification (AECOM)		P	C	F
Paving and Joint Sheets (AECOM)		P	C	F
Pavement Marking Sheets (AtkinsRealis)		P	C	F
Airfield and Apron lighting Sheets (AtkinsRealis)		P	C	F
Airfield Guidance Sign Sheets (AVCON)		P	C	F
High Mast lighting Sheets (AVCON)		P	C	F
Fencing Sheets (AECOM)		P	C	F
Utility Sheets (AtkinsRealis/AVCON)	P	P	C	F
Technical Specifications (AECOM but each firm own specs)		P	C	F
Quantities and Cost Estimate (AECOM/AtkinsRealis)	P	P	C	F
Schedule and Schedule Updates (AECOM/AtkinsRealis)	P	P	C	F
Engineer's Report (AECOM and all firms)			C	F
Construction Safety & Phasing Plan (AtkinsRealis/AECOM)			C	F

Status Key:

P - Preliminary

C - Complete but subject to change

F - Final

4. **SCHEDULE**

See below schedule of deliverables below:

Contract to HCAA Board	11/6/25
Notice To Proceed (Anticipated)	11/18/25
30% Submittal	2/02/26
60% Submittal	4/13/26
90% Submittal	6/15/26
100% Submittal	7/27/26
Final Submittal	8/17/26
Construction Completion (Anticipated)	12/31/27

5. **FEE PROPOSAL**

See Exhibit B attached for detailed breakout of the proposed fee.

EXHIBIT B FEE ESTIMATE

Project Fee Proposal - AECOM Team - Summary Sheet									
Northwest Remain Overnight Parking Apron									
HCAA Project Number 8665 26									
10/14/2025									
Basic Design Services	30%	60%	90%	100%	Bid & Award	Construction	Resident	Total	% Construction
Engineering & Preconstruction Services	Design Dev.	Design Dev.	Const. Docs	Final Docs	Services	Administration	Inspection		Cost
AECOM Technical Services	\$ 224,226.60	\$ 279,801.30	\$ 236,339.10	\$ 143,753.70	\$ 34,527.00	\$ 415,099.20		\$ 1,333,746.90	40,000,000
AtkinsRealis	\$ 183,427.70	\$ 214,051.10	\$ 190,906.00	\$ 125,522.55	\$ 31,778.80	\$ 257,876.80		\$ 1,003,562.95	8.0%
Mohsen Design Group	\$ 25,363.12	\$ 19,984.48	\$ 20,743.68	\$ 15,692.08	\$ 8,468.00	\$ 77,584.40		\$ 167,835.76	11.9%
AVCON	\$ 60,681.60	\$ 71,150.40	\$ 53,553.60	\$ 25,776.00	\$ 10,684.80	\$ 56,044.80		\$ 277,891.20	
Design Phase	\$ 493,699.02	\$ 584,987.28	\$ 501,542.38	\$ 310,744.33	\$ 85,458.60	\$ 806,605.20		\$ 2,783,036.81	
Reimbursable Expenses									
Northwest Surveying, Inc.	\$ 101,820.00							\$ 101,820.00	
Tierra, Inc.	\$ 146,500.00							\$ 146,500.00	
Element Engineering, Inc.	\$ 115,000.00							\$ 115,000.00	
TSF Geo, Inc.						\$ 66,100.00		\$ 66,100.00	
ARA, Incorporated	Not included if alternate for NFPA drainage chosen							\$ -	
Reimbursable Expenses Subtotal	\$ 363,320.00	\$ -	\$ -	\$ -	\$ -	\$ 66,100.00	\$ -	\$ 429,420.00	
Total Base Fee with Reimbursable Expenses								\$ 3,212,456.81	
Contingency									
General Contingency		\$ 200,000.00						\$ 200,000.00	
Allowance - Separate Bid Package from RW 1L-19R		\$ 61,475.40	\$ 66,881.40	\$ 48,363.30	\$ 20,145.00	\$ 226,654.20		\$ 423,519.30	
Allowance - Additional Bid Package for Split RON (<i>Deleted</i>)								\$ -	
Allowance - Resident Inspection Services							\$ 936,000.00	\$ 936,000.00	
								\$ 1,559,519.30	
Total Fee, Allowances, Reimbursable Expenses	\$ 857,019.02	\$ 846,462.68	\$ 568,423.78	\$ 359,107.63	\$ 105,603.60	\$1,099,359.40	\$ 936,000.00	\$ 4,771,976.11	

Northwest Remain Overnight Parking Apron

HCAA Project Number 8665 26

10/14/2025

Milestone	Start	Complete	Duration
NTP	11/18/2025	11/18/2025	0
30% Submittal/Meeting	11/18/2025	2/2/2026	76
60% Submittal/Meeting	2/2/2026	4/13/2026	70
90% Submittal/Meeting	4/13/2026	6/15/2026	63
100% Submittal/Meeting	6/15/2026	7/27/2026	42
Final Submittal/Meeting	7/27/2026	8/17/2026	21
Bid & Award	8/17/2026	12/1/2026	106
Construction Administration	12/1/2026	12/31/2027	395

Note: Schedule above is assuming combining with the RW 1L-19R Project

30% Design Fee

[illegible]

30% Design Fee

[illegible]

30% Design Fee

Project Fee Proposal - AECOM Team												
Northwest Remain Overnight Parking Apron												
HCAA Project Number 8665 26												
10/14/2025												
Scope/Task			Principal Hours	Sr. Av. Cons. Hours	Sr. PM Hours	PM Hours	Sr. Engr Hours	Engr Hours	CADD Des. Hours	Admin Hours		Total
Basic Design Services												
Task -30% Design - AVCON, Inc.												
												0
												0
Airfield Signage Field Work						8	6	6	5			25
Airfield Signage Preliminary Design						5	12	16	16			49
Airfield Signage Report, Quantities, Specs							5	6	2	1		14
High Mast Light Field Work						2	3	3				8
High Mast Light Preliminary Design/ CCTV						16	40	48	56			160
High Mast Light Report, Quantities, Specs						5	9	14	4	5		37
FAA Coordination				1		1	2	1	2			7
Badging					4	8		8				20
Internal Team Meetings						6		6				12
Coordination					2	6	4	4				16
QA/QC					4	6	8	8				26
												0
			-	1.00	10.00	63.00	89.00	120.00	85.00	6.00	-	374
		\$	105.00	\$ 100.00	\$ 85.00	\$ 75.00	\$ 65.00	\$ 50.00	\$ 40.00	\$ 35.00		
		\$	-	\$ 100.00	\$ 850.00	\$ 4,725.00	\$ 5,785.00	\$ 6,000.00	\$ 3,400.00	\$ 210.00	\$ -	\$ 21,070.00
				2.88								\$ 60,681.60

[illegible]

60% Design Fee

[illegible]

60% Design Fee

[illegible]

60% Design Fee

[illegible]

Project Fee Proposal - AECOM Team												
Northwest Remain Overnight Parking Apron												
HCAA Project Number 8665 26												
10/14/2025												
Scope/Task			Principal Hours	PM Hours	Sr. AE Hours	AE Hours	Sr. Design Hours	Sr. CADD Hours	CADD Hours	Admin Hours		Total
Contingency Design Services												
Task -60% Design - Additional Bid Package split RON												
Project Management												0
Design Meetings and Coordination												0
Stormwater Permitting - Will provide 1 permit even if projects are separate												0
Design Refresh & update Base Drawings												0
Design Drawings												0
Specifications												0
QA/QC												0
Subtotal Hours			-	-	-	-	-	-	-	-	-	0
Rate			\$ 140.00	\$ 110.00	\$ 100.00	\$ 85.00	\$ 65.00	\$ 55.00	\$ 45.00	\$ 38.00	\$ -	
Subtotal Direct Labor			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Burdened Labor @				2.55								\$ -

90% Design Fee

[illegible]

90% Design Fee

[illegible]

90% Design Fee

[illegible][illegible]

90% Design Fee

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100% Design Fee

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100% Design Fee

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[illegible]

Bid and Award Fee

[illegible][illegible]

Bid and Award Fee

[illegible][illegible]

Construction Administration Fee

[illegible][illegible]

Construction Administration Fee

[illegible][illegible]

Construction Administration Fee

[illegible][illegible]

Resident Inspection Fee

[illegible]



September 19, 2025

AECOM
7650 W. Courtney Campbell Causeway
Tampa, FL 33607

Attn: Mr. Dennis Combs, PE

**Re: Geotechnical Scope and Fee Proposal
Northwest RON
Tampa International Airport
Tierra Project No. 6511-25-281**

Mr. Combs:

Thank you for the opportunity to be part of the AECOM Team on the referenced project. The project includes the construction of a Remain Over Night (RON) parking area located in the northwest of Tampa Airport. Attached herein is our fee proposal for the Geotechnical Design services to support the proposed project.

GEOTECHNICAL PROJECT APPROACH

Based on the review of the published geotechnical data and information provided by AECOM, Tierra will complete the required geotechnical services for the project in accordance with the HCAA project requirements/criteria and our engineering judgment.

The geotechnical services anticipated to support the design and construction of the project are summarized as follows:

- Conduct a visual reconnaissance of the project site and coordinate utility clearance.
- Review existing plans, reports, and previous Geotech data collected by Tierra and others and incorporate previous Tierra geotechnical data in the reports.
- Perform pavement cores, Dynamic Cone Penetrometer (DCPs), and borings to provide design information for the construction of the RON. Our field work will consist of the following:
 - Perform up to 13 pavement cores (4 in asphalt areas and 9 in concrete areas) at locations identified by AECOM. At pavement core locations, the pavement section will be measured and classified and a DCP will be performed to determine the *insitu* CBR and a soil boring to a depth on the order of 5 feet below the bottom of the pavement section to evaluate the sub-base and subgrade conditions.
 - Perform on the order of 40 SPT borings to depths of 10 to 25 feet (averaging 17.5 feet) within the RON pavement areas and adjacent to the ditch for the proposed box culvert.
 - Perform hand probes within the existing ditch to delineate existing unsuitable sediments or organics.
 - Measure groundwater tables.

- Estimate the SHW and install temporary piezometers to measure groundwater level to assist in determining the SHW.
- Visually classify recovered pavement and soil samples in the laboratory. Perform laboratory tests on selected representative samples to develop the soil legend for the project using the USCS. The laboratory testing will likely include grain size analyses, Atterberg Limit testing, compression strength tests on concrete cores (if required), CBR testing, organic and natural moisture content determination and corrosion series testing, as required.
- Collect up to 12 bulk soil samples for CBR testing and incorporate into previous CBR data collected.
- Set-up cones and barricades for MOT in accordance with the lane closure permits obtained by AECOM.
- Perform engineering evaluations and analyses to develop geotechnical recommendations to support the RON pavement design and box culvert design.
- Provide signed and sealed geotechnical reports that summarize our geotechnical study including the field and laboratory test results, the engineering evaluations and analyses, and the geotechnical recommendations for the design and construction of the project.

FEE ESTIMATE - DESIGN SERVICES

It is estimated fee for performance of the above-outlined services is **\$146,498.66** based on Tierra's attached Fee Schedule. We will provide you with verbal results of tested conditions and immediately notify you should conditions impacting our scope, schedule, or cost of services occur. The proposal is based on the assumption that no hazardous materials exist on-site that would impact our investigation.

We appreciate the opportunity to offer our services to you. We look forward to working with you once again. Should you have any questions with regard to this proposal, please do not hesitate to contact this office.

Respectfully Submitted,

TIERRA, INC.



Marc E. Novak, Ph.D., P.E.
Senior Geotechnical Engineer

Attachment:

2025-2026 Fee Schedule

Item Description	Unit	Unit Price	Quantity	Total
Field and Laboratory Testing				
101-Aggregate Carbonates & Organic Matter FM 5-514	Test	\$ 179.00		\$ -
102-Aggregate Org. Impurities S& for Concrete AASHTO T21	Test	\$ 89.00		\$ -
103-Aggregate Shell Content of Coarse Aggregate FM 5-555	Test	\$ 126.00		\$ -
104-Aggregate Sieve Anlsys of Fine & Coarse AASHTO T27	Test	\$ 94.50		\$ -
105-Aggregate Soundness AASHTO T104	Test	\$ 385.00		\$ -
106-Aggregate Specific Gravity/Absorption Coarse AASHTO T85	Test	\$ 115.50		\$ -
107-Aggregate Total Moisture Content by Drying AASHTO T255	Test	\$ 68.50		\$ -
108-Aggregate Unit Mass & Voids AASHTO T19	Test	\$ 82.00		\$ -
109-Aggregate Specific Gravity/Absorption Fine AASHTO T84	Test	\$ 150.00		\$ -
200-Asphalt Bulk Specific Gravity FM 1-T166	Test	\$ 78.50		\$ -
201-Asphalt Content FM 5-563	Test	\$ 170.00		\$ -
204-Asphalt Gradation FM 1-T030	Test	\$ 111.00		\$ -
206-Asphalt Los Angeles (LA) Abrasion Coarse Agg FM 3-C535	Test	\$ 470.00		\$ -
207-Asphalt Los Angeles (LA) Abrasion Small Agg FM 1-T096	Test	\$ 373.00		\$ -
209-Asphalt Pavement Coring – 4" dia with Base Depth Check	Each	\$ 275.00	4	\$ 1,100.00
210-Asphalt Pavement Coring – 4" dia without Base Depth Check	Each	\$ 227.00		\$ -
211-Asphalt Pavement Coring – 6" dia with Base Depth Check	Each	\$ 345.00		\$ -
212-Asphalt Pavement Coring – 6" dia without Base Depth Check	Each	\$ 270.00		\$ -
300-Concrete Beam Flexural Testing ASTM C78	Test	\$ 66.35		\$ -
301-Concrete Compressive Strength of Grout/Mortar ASTM C109	Test	\$ 39.00		\$ -
302-Concrete Cylinder Curing, Capping & Breaking ASTM C39	Test	\$ 55.00		\$ -
303-Concrete Drilled Cores & Sawed Beams ASTM C42	Test	\$ 74.50	3	\$ 223.50
305-Concrete Pavement Coring - 4" Dia	Each	\$ 280.00	9	\$ 2,520.00
306-Concrete Pavement Coring - 6" Dia	Each	\$ 310.00		\$ -
401-Geo Auger Borings- Hand & Truck/Mud Bug	LF	\$ 15.75	65	\$ 1,023.75
402-Geo Auger Borings- Track	LF	\$ 19.80		\$ -
403-Geo Backhoe (Owned)	Day	\$ 1,500.00		\$ -
405-Geo Barge (Owned)	Day	\$ 4,200.00		\$ -
406-Geo Barge Rental (Rental without labor)	Day	\$ 5,800.00		\$ -
407-Geo Chainsaw (Owned)	Day	\$ 145.00		\$ -
415-Geo Double Ring Infiltration ASTM D3385	Each	\$ 704.00	2	\$ 1,408.00
416-Geo Dozer (Owned)	Day	\$ 1,800.00		\$ -
418-Geo Drill Crew Support Vehicle	Day	\$ 300.00	10	\$ 3,000.00
421-Geo Dynamic Pile Testing/Pile Driving Analyzer	Day	\$ 630.00		\$ -
422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft	Each	\$ 115.00		\$ -
423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft	Each	\$ 115.00		\$ -
424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft	Each	\$ 135.00		\$ -
425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft	Each	\$ 185.00		\$ -
427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft	Each	\$ 115.00		\$ -
428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft	Each	\$ 115.00		\$ -
429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 130.00		\$ -
430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 130.00		\$ -
432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method)	Each	\$ 440.00		\$ -
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 433.00	24	\$ 10,392.00
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 11.70		\$ -
436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft	LF	\$ 13.60		\$ -
437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft	LF	\$ 18.90		\$ -
438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft	LF	\$ 27.00		\$ -
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 8.05	700	\$ 5,635.00
441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft	LF	\$ 9.95		\$ -
442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 14.70		\$ -

Item Description	Unit	Unit Price	Quantity	Total
443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 19.95		\$ -
445-Geo Grouted Monitor Well 2" 000-050 Ft	LF	\$ 90.00		\$ -
450-Geo Piezometer 2" 000-050 Ft	LF	\$ 55.00	30	\$ 1,650.00
453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID	LF	\$ 78.80		\$ -
455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID	LF	\$ 88.00		\$ -
457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID	LF	\$ 98.00		\$ -
459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID	LF	\$ 116.30		\$ -
463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID	LF	\$ 55.00		\$ -
465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID	LF	\$ 62.10		\$ -
467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID	LF	\$ 71.45		\$ -
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 39.00		\$ -
474-Geo SPT Barge/Track/Amphibious 050-100 Ft	LF	\$ 38.30		\$ -
475-Geo SPT Barge/Track/Amphibious 100-150 Ft	LF	\$ 58.25		\$ -
476-Geo SPT Barge/Track/Amphibious 150-200 Ft	LF	\$ 78.45		\$ -
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 19.50	700	\$ 13,650.00
479-Geo SPT Truck-Mud Bug 50-100 Ft	LF	\$ 22.20		\$ -
480-Geo SPT Truck-Mud Bug 100-150 Ft	LF	\$ 38.30		\$ -
481-Geo SPT Truck-Mud Bug 150-200 Ft	LF	\$ 50.50		\$ -
483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft	LF	\$ 17.75		\$ -
484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft	LF	\$ 22.30		\$ -
485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft	LF	\$ 28.45		\$ -
486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft	LF	\$ 35.30		\$ -
488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft	LF	\$ 12.75	400	\$ 5,100.00
489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft	LF	\$ 16.00		\$ -
490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft	LF	\$ 20.25		\$ -
491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft	LF	\$ 24.45		\$ -
514-Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 840.00		\$ -
515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft	Each	\$ 315.00		\$ -
516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft	Each	\$ 355.00		\$ -
517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft	Each	\$ 445.00		\$ -
518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft	Each	\$ 530.00		\$ -
519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft	Each	\$ 225.00	4	\$ 900.00
520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft	Each	\$ 250.00		\$ -
521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 310.00		\$ -
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 353.00		\$ -
525-Geo Well Development	Hour	\$ 216.00		\$ -
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 300.00	24	\$ 7,200.00
532-Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 375.00		\$ -
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	\$ 314.00		\$ -
534-Geo Track/Barge Drill Rig and Crew (3-person)	Hour	\$ 505.00		\$ -
535-Geo Clearing Equip- Tractor, Bush Hog Attachment	Day	\$ 1,950.00		\$ -
536-Geo Clearing Equip-Skid Steer/ASV, ForestMulching Attach	Day	\$ 1,700.00		\$ -
537-Geo Clearing Equip-Skid Steer/ASV, Brush Cutter Attach	Day	\$ 2,010.00		\$ -
538-Geo Clearing Equipment	Day	\$ 2,510.00		\$ -

Item Description	Unit	Unit Price	Quantity	Total
539-Geo Wash Boring for Rock Cores 0-50 Ft	LF	\$ 14.00		\$ -
540-Geo Wash Boring for Rock Cores 50-100 Ft	LF	\$ 16.25		\$ -
541-Geo Wash Boring for Rock Cores 100-150 Ft	LF	\$ 24.00		\$ -
542-Geo Wash Boring for Rock Cores 150-200 Ft	LF	\$ 27.25		\$ -
602-Mobilization-Vibration Monitoring Equipment	Each	\$ 399.00		\$ -
603-Mobilization Asphalt Coring Equipment	Each	\$ 515.00	1	\$ 515.00
604-Mobilization Barge Large	Each	\$ 15,400.00		\$ -
606-Mobilization Concrete Coring	Each	\$ 510.00	1	\$ 510.00
608 Mobilization Drill Rig Amphibious	Each	\$ 12,600.00		\$ -
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 13,000.00		\$ -
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,650.00		\$ -
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 720.00	8	\$ 5,760.00
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 1,225.00	2	\$ 2,450.00
618-Geo Mobilization Support Boat	Each	\$ 670.00		\$ -
619-Geo Mobilization Tri-Pod	Each	\$ 1,900.00		\$ -
620-Mobilization of Clearing Equipment	Each	\$ 714.00		\$ -
701-MOT Attenuator Truck	Hour	\$ 320.00		\$ -
702-MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 5.95		\$ -
706-MOT Portable Sign	Each	\$ 64.40	16	\$ 1,030.40
708-MOT Provide Channelizing Devices - Cone	Each	\$ 9.80	50	\$ 490.00
710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 325.00		\$ -
712-MOT Support Vehicle	Hour	\$ 162.00		\$ -
800-Soils Chloride Soil or Water (FM 5-552)	Test	\$ 115.00		\$ -
803-Soils Consolidation - Constant Strain (ASTM D4186)	Test	\$ 690.00		\$ -
804-Soils Consolidation - Extended Load Increments (AASHTO T216)	Day	\$ 238.00		\$ -
805-Soils Corrosion Series (FM 5-550 through 5-553)	Test	\$ 320.00	10	\$ 3,200.00
806-Soils Direct Shear Consolidated Drained/ Point AASHTO T 236	Test	\$ 440.00		\$ -
810-Soils CBR	Test	\$ 464.00	12	\$ 5,568.00
811-Soils Liquid Limit (AASHTO T 89)	Test	\$ 76.00	16	\$ 1,216.00
812-Soils Materials Finer than 200 Sieve (FM 1-T011)	Test	\$ 65.00	40	\$ 2,600.00
817-Soils Moisture Content Laboratory (AASHTO T 265)	Test	\$ 23.80	20	\$ 476.00
819-Soils Organic Content Ignition (FM 1 T-267)	Test	\$ 61.00	10	\$ 610.00
821-Soils Particle Size Analysis (AASHTO T 88) (Including Hydrometer)	Test	\$ 250.00		\$ -
822-Soils Particle Size Analysis (AASHTO T 88) (No Hydrometer)	Test	\$ 98.00	8	\$ 784.00
823-Soils Permeability Constant Head (AASHTO T 215)	Test	\$ 445.00	2	\$ 890.00
824-Soils Permeability Falling Head (FM 5-513)	Test	\$ 385.00	2	\$ 770.00
825-Soils pH Soil or Water (FM 5-550)	Test	\$ 65.00		\$ -
826-Soils Plastic Limit & Plasticity Index (AASHTO T 90)	Test	\$ 76.00	16	\$ 1,216.00
827-Soils Proctor Modified (FM 1-T 180)	Test	\$ 165.00		\$ -
828-Soils Proctor Standard (AASHTO T 99)	Test	\$ 165.00		\$ -
829-Soils Resistivity Soil or Water (FM 5-551)	Test	\$ 73.00		\$ -
832-Soils Splitting Tensile Strength of Rock Cores (ASTM D3967)	Test	\$ 195.00		\$ -
833-Soils Sulfate Soil or Water (FM 5-553)	Test	\$ 80.00		\$ -
838-Soils Unconfined Compression - Rock (ASTM D7012, Method C)	Test	\$ 250.00		\$ -

Item Description	Unit	Unit Price	Quantity	Total
Engineering and Technical Services				
Chief Engineer 2	Hour	\$ 289.14	7	\$ 2,023.98
Engineer 1	Hour	\$ 173.17	37	\$ 6,407.29
Engineer 2	Hour	\$ 188.39	37	\$ 6,970.43
Engineering Intern	Hour	\$ 138.60	74	\$ 10,256.40
Engineering Technician	Hour	\$ 110.05	37	\$ 4,071.85
Principal Engineer	Hour	\$ 287.65	11	\$ 3,164.15
Secretary/Clerical	Hour	\$ 134.85	7	\$ 943.95
Senior Designer	Hour	\$ 155.00	55	\$ 8,525.00
Senior Engineer 1	Hour	\$ 271.99	48	\$ 13,055.52
Senior Engineer 2	Hour	\$ 220.57	18	\$ 3,970.26
Senior Engineering Technician	Hour	\$ 141.14	37	\$ 5,222.18
				\$ 146,498.66



September 26, 2025

Mr. Dennis Combs, PE
AECOM
7650 West Courtney Campbell Causeway, Suite 700
Tampa, Florida 33607

RE: TPA Runway 1R/19L – RON Area
NSI Proposal No. 250905

Dear Mr. Combs:

Thank you for the opportunity to submit this fee proposal for surveying services at the above referenced project.

The scope of work included in this proposal is a Topographic Survey of the RON area as shown on the attached Exhibit "A", along with the survey of the Control Structure located in the pond at the northwest corner of the airport property.

Specifically, we will establish horizontal and vertical control points for the Geotech firm, the scanning firm, the contractor and our use as well.

The horizontal datum will be NAD 83/2011 adjustment and the vertical datum will be NAVD 88.

Northwest Surveying Inc. (NSI) will obtain the soft shot elevations at 50' intervals, survey and map all topographic features within the RON survey limits, to include the finished floor elevation of the Air Cargo Facility, drainage structures, pipe data, a photo of each structure and any unknown topographic feature.

G.F. Young will perform Mobil Lidar Scanning of all hard surfaces within the survey limits. The scan will include topographic features located on the hard surfaces, the PCC slab limits/seams, shoulders and elevations at 25 foot intervals. The scan data will be merged with the ground survey topography to generate a comprehensive topographic map of the entire surveyed and scanned RON area along with a 3D surface.

We will mobilize two field crews which will require access to Taxiways "V" and "W" for two days and access to the west 1,200' of Taxiways "A" & "B" for one day. The remaining survey limits in the RON area can be completed in 4 days without interruption to airfield operations.

The deliverables will be signed PDF maps and a 3D surface to be submitted 3 weeks from field work completion date.

Our fee to perform the surveying services described above will be	\$ 27,820.00
G.F. Young proposal (see attached)	<u>\$ 74,000.00</u>
Total	\$101,820.00

All of the work will be performed under the direct supervision of a Professional Land Surveyor and will meet or exceed the Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J17.050 to 5J17.052, Florida Administrative Code, pursuant to Section 472.027 Florida Statutes.

If you have any questions, please do not hesitate to contact our office.

Sincerely,

NORTHWEST SURVEYING, INC.

A handwritten signature in black ink, appearing to read "Gerald Silva". The signature is fluid and cursive, with the first name "Gerald" and last name "Silva" clearly distinguishable.

Gerald Silva, PSM
President

FILE NAME: D:\Civil 3D Projects\TPA RW 1R-19L Rehab\2024-05-14 RW 1R Reconstruction Palm Stetches\PAVING PLAN.dwg LAYOUT NAME: AERIAL-OVERALL PLOTTED: Wednesday, September 04, 2024 - 2:10pm USER: bob.morris

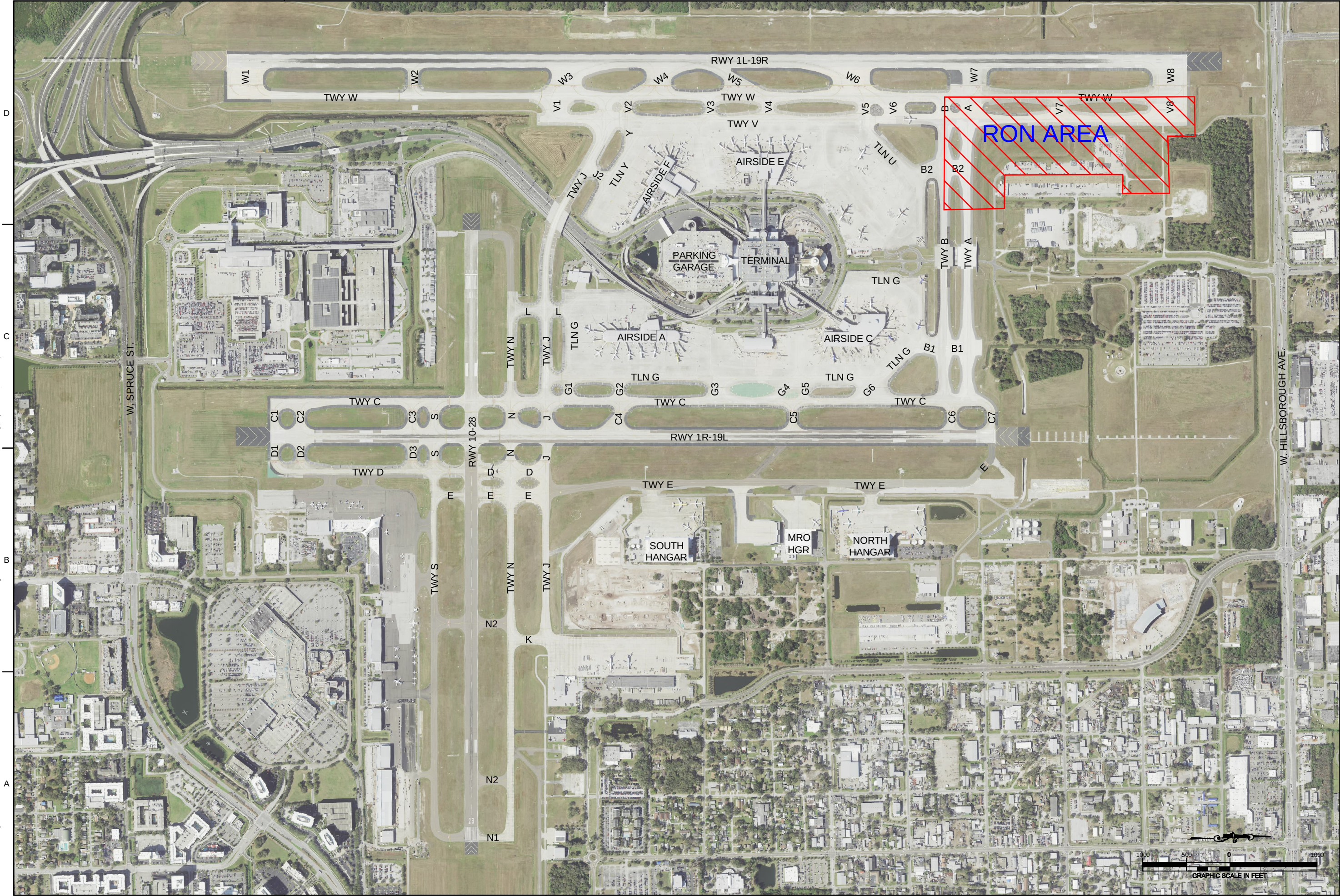


EXHIBIT "A"

PROJECT NAME		DESIGNED: RJM	
RUNWAY 1R-19L REHABILITATION AND TAXIWAY C RECONSTRUCTION		DRAWN: RJM	
SHEET TITLE		CHECKED: DGC	
2023 AERIAL		HCAA NO.:	
1		JOB NO. 60695347	
SHEET NO.:		DATE: AUGUST 2024	
1		SHEET 1 OF 10	
HILLSBOROUGH COUNTY AVIATION AUTHORITY		DATE	
TAMPA, FLORIDA		REVISIONS	
AECOM Technical Services Inc. 7650 West Courtney Campbell Causeway Tampa, FL 33607-1462 Tel: 813.386.7111 CA-10-813		BY	
AECOM			



September 26, 2025

Gerald “Jerry” Silva, PSM
President
Northwest Surveying, Inc.
8409 Sunstate St.
Tampa, FL 33634

RE: Tampa International Airport – Mobile LiDAR – Northwest RON

Dear Mr Silva

It is our understanding that you require the assistance of a Professional Surveyor and Mapper for survey and mapping services for the above referenced property. Pursuant to your request, attached herewith is our proposal for professional services.

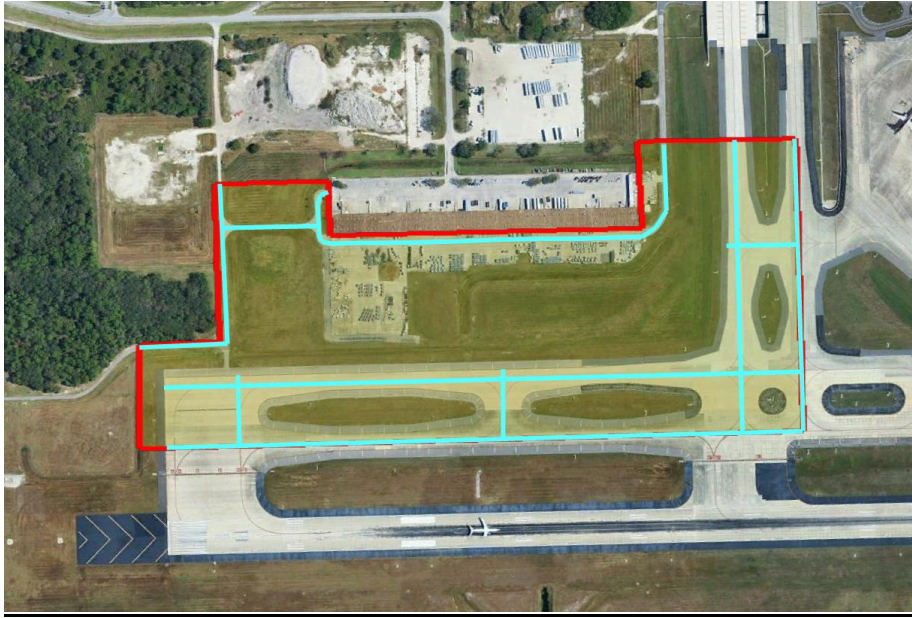
Scope of Services:

- Mobile LiDAR Scan with images of the Tampa International Airport as out lined in as the Scope of work for the Northwest RON in the provided overall “RW 1R-19L.pdf” that was provided by Northwest Surveying, Inc. detailing the scope of work in Tampa, FL. The project will be subject to the following guidelines and assumptions.
 - Survey access is available during day under the direction of Airport Operations; we anticipate that the data collection will be done over the course of no more than 1 day.
 - This is providing weather is permittable and surfaces are dry.
 - GFY, Inc. must have at least 7-10 business days notice prior to commencing data collection onsite.
 - Client will arrange runway and taxi closures.
 - Client will arrange any escorting vehicles, radios for communication with Tower if needed or any other communication devices needed for Airport Operations.
 - LiDAR for this will be collected as per “TPA 2013 GEODETIC CONTROL BASE.pdf” provided by the Client.
 - Client will provide MOT (as per Survey Note 11) if required and/or other safety plans as needed.
 - Client will provide Civil 3D code list prior to any data collection.
 - Client will ensure all non-runway and taxiway sites will be cleared prior to scanning.

Deliverables:

- GFY shall also provide the final deliverable in an electronic version of the survey in AutoCAD Civil 3D 2018 “DWG” format and “PDF” transmitted by electronic means.
- 2D concrete joint location map as per Survey Note: 7.
- 2D features of objects that are only on the paved surfaces as per Survey Note 3.
- 3D DTM Survey of all paved surfaces that were mobile scanned as per KMZ from GFY, Inc.

Scope of Work:



The fee for the above services is **\$74,000.00**.

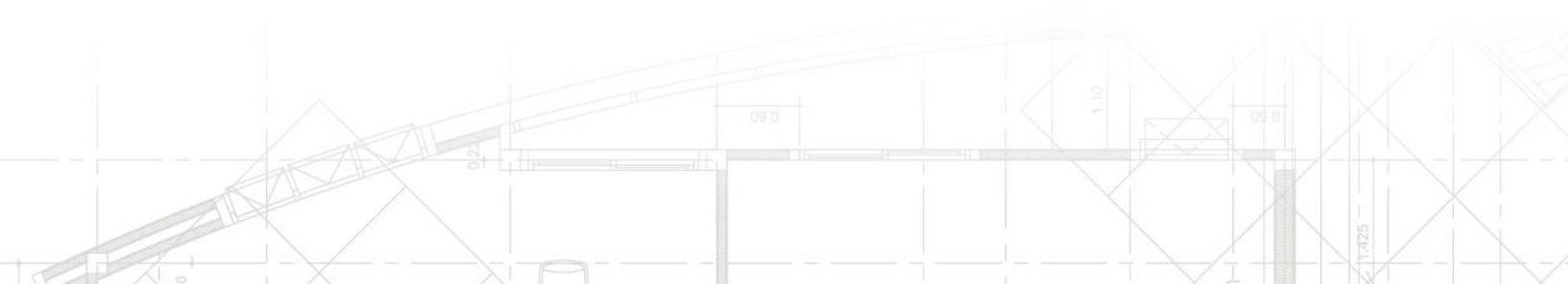
Please forward a Professional Survey Services Agreement for our review and signature. We look forward to working with you on this and if you have any questions regarding this proposal, please do not hesitate to contact me at your convenience.

Sincerely,

GEORGE F. YOUNG, INC.

A handwritten signature in black ink, appearing to read 'T. Hatch'.

Trevor Hatch, PSM
Vice President Surveying – St Pete



October 3, 2025

AECOM

ATTN: Dennis Combs, P.E.
7650 West Courtney Campbell Causeway
Tampa, FL 33607

**RE: Northwest RON
Price Proposal for Designating & Locating Services**

Dear Mr. Combs:

In accordance with your request, Element Engineering Group, LLC (ELEMENT) is pleased to submit our proposal to provide Professional Surveying and Mapping and Subsurface Utility Engineering (SUE) services.

DESCRIPTION OF SERVICES

ELEMENT will provide technicians, equipment, and special tools to perform a subsurface utility engineering investigation and survey of the project area.

Subsurface Utility Engineering (SUE):

ELEMENT will provide technicians, equipment and special tools to designate the horizontal position and locate/verify the precise horizontal and vertical position of existing utilities in the specified area shown on Exhibit 'A' using the procedures and techniques described below.

SUE Designating (Quality Level B)

ELEMENT will provide technicians, equipment and special tools including multiple handheld electromagnetic (EM) locators and ground-penetrating radar (GPR) to designate and mark the horizontal position of existing utilities within the project limits as shown in Exhibit 'A'. ELEMENT will mark the horizontal position of existing utilities within an approximate 5-foot radius from the center of each proposed geotechnical field exploration/boring location as provided by the geotechnical engineering consultant.

Electromagnetic (EM) induction is a method in which a transmitter signal is applied by directly coupling to a metallic target. A receiver is then used to detect the transmitted signal. Passive detection is another technique used to locate naturally occurring magnetic fields that exist on power cables generating a 50/60 Hz. signal. Additionally, Very Low Frequency (VLF) signals can be detected on other metallic utilities that are typically long in length and are well grounded electrically. Some utility systems contain portions of non-metallic material and, therefore, we may not be able to locate using EM techniques. Ground Penetrating Radar (GPR) uses a high frequency radio signal that is transmitted into the ground and reflected signals are returned to the receiver for storage on digital media. The computer measures the time taken for a pulse to travel to and from the target indicating its depth and location. The reflected signals are interpreted by the system and displayed on the unit's LCD panel. Utilization of the equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

SUE Locating (Quality Level A)

ELEMENT will provide technicians, equipment, and special tools to locate the horizontal and vertical position of requested utilities within the topographic area shown on Exhibit 'A'. ELEMENT will perform a maximum of thirty (30) SUE Quality Level A Locates/Test Holes.

Test holes (Vacuum excavation) is a technique used to safely expose utilities by using a combination of compressed and vacuum air. Once the utility has been exposed, depth, diameter and material type can be obtained.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth and/or feature makeup.

Survey of SUE

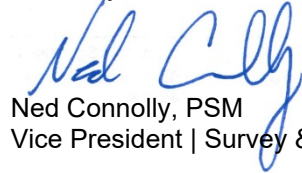
ELEMENT will provide technicians, equipment, and special tools to complete survey of the SUE Designating and Locating. The SUE data will be processed, reviewed, and put into AutoCAD for delivery. All work shall be performed in accordance with the minimum requirements of Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Professional Service Fees (Not to Exceed Maximum Fee):

<u>Classification</u>	<u>Crew Days</u>	<u>Staff Hours</u>	<u>Rate</u>	<u>Sub-Total</u>
Survey Crew	10.0	N/A	\$1,900.00	\$19,000.00
Designating Crew	18.0	N/A	\$2,100.00	\$37,800.00
Locating Crew	10.0	N/A	\$2,250.00	\$22,500.00
Senior Surveyor & Mapper	N/A	35.0	\$264.00	\$9,240.00
SUE Project Manager	N/A	55.0	\$200.00	\$11,000.00
SUE / Survey CADD Technician	N/A	115.0	<u>\$130.00</u>	<u>\$14,950.00</u>
		TOTAL		\$114,490.00

Schedule: If you have any questions or need additional information, please do not hesitate to contact me. Again, we appreciate this opportunity and look forward to working with you on this project.

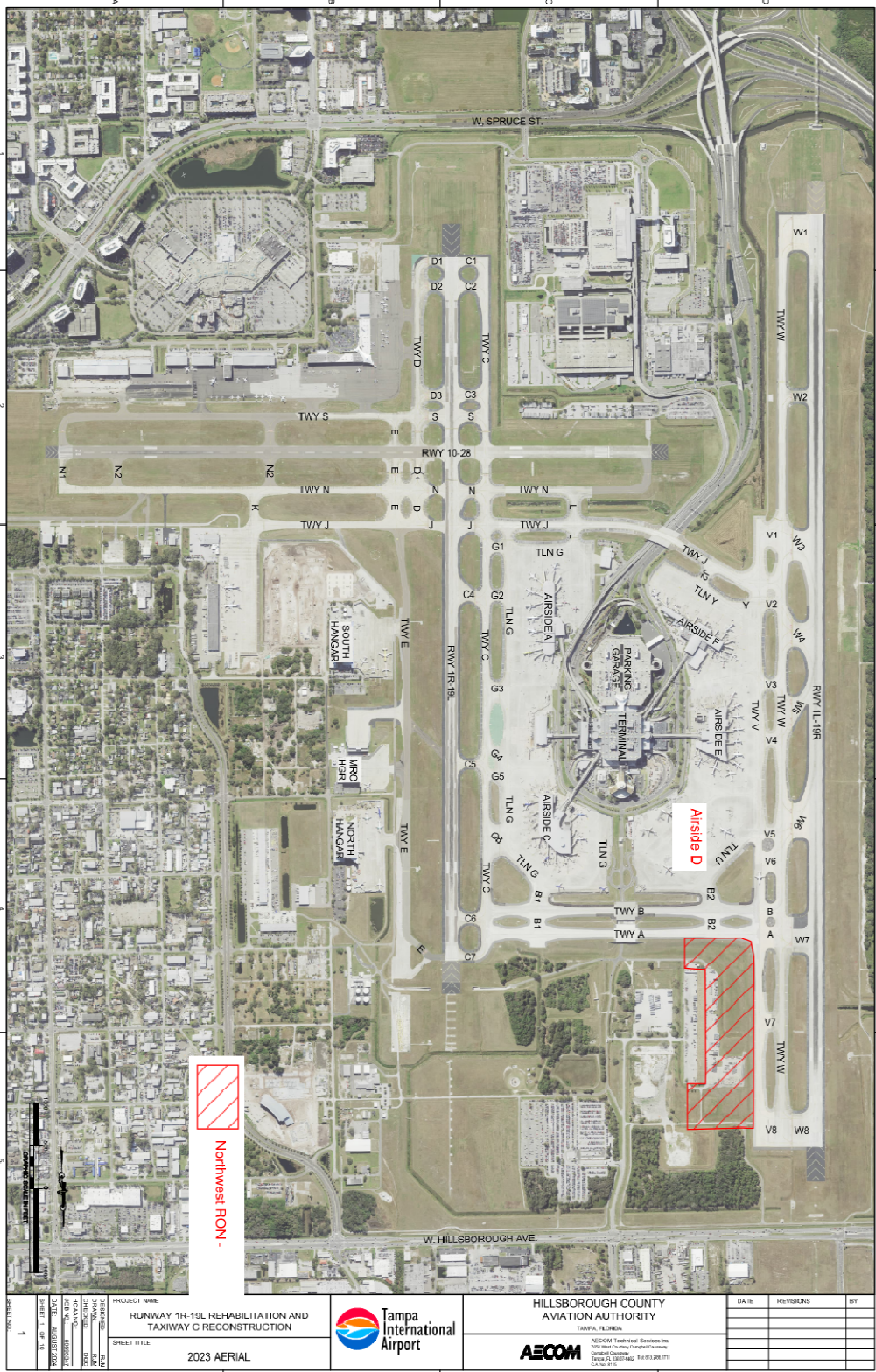
Sincerely,



Ned Connolly, PSM
Vice President | Survey & SUE Group Manager

EXHIBIT 'A'

FILE NAME: D:\Civil 3D Projects\TPA RW 1R-19L Rehab\2024-0514 RW 1R Reconstruction Prelim Stitches\PAVING PLAN.dwg LAYOUT NAME: AERIAL-OVERALL PLOTTED: Wednesday, September 04, 2024 - 2:10pm USER: bob.mor...





October 13, 2025

Attention: Mr. Dennis Combs, P.E.

Re: **Rate Sheets for Construction Material Testing Services
TPA RW 1R-19L (Revised), RW 1L-19R Complex (Revised), & NW RON Parking
(Revised)
Tampa, Florida**

Dear Dennis:

TSFGEO is pleased to submit this proposal for Construction Material Testing Services in support of upcoming airfield improvement projects at Tampa International Airport. This proposal provides a summary of our understanding of the work, an outline of our proposed services, and an estimate of the associated fees.

PROJECT CONSIDERATIONS

Based on the information provided, the proposed work may include new pavement construction, rehabilitation of existing pavement, subgrade and base course improvements, drainage and utility installations, and associated structural features. These activities are anticipated to involve subgrade stabilization (P-152), base construction (P-209/P-211/P-306), Portland cement concrete pavement (P-501), and asphalt paving (P-401/P-403), along with associated stormwater and lighting foundations.

PROPOSED SCOPE OF SERVICES

Construction Materials Testing

- **Soils:** Field density testing of compacted fills and bases; laboratory proctors, gradations, and LBR testing as required.
- **Concrete:** Field testing of fresh concrete (slump, air, temperature, unit weight) and molding of compressive strength cylinders and flexural beams, if required. Laboratory compressive/flexural testing at designated ages.
- **Asphalt:** Plant and field technician services, asphalt coring for thickness and density verification, extraction and gradation testing, and monitoring of paving operations.
- **Utilities/Drainage:** Density testing of trench and structure backfill; observation of culvert and manhole installation as needed.

Professional Services

- Provide senior technician support for drilled shafts, structural foundations, or specialty items.
- Assign a Project Manager and Professional Engineer to oversee field and laboratory activities, attend meetings, review test reports, and provide sealed deliverables.
- Provide administrative support for scheduling, coordination, and timely report distribution.

FEES

Our services will be provided on a unit-rate basis according to the attached fee schedule. Estimated quantities and testing frequencies have been developed based on preliminary project information and FAA/FDOT specifications. Invoices will be submitted monthly for services performed.

FEE ASSMPTIONS

- Quantities and testing frequencies are based on preliminary project data and FAA/FDOT specifications (P-152, P-209, P-306, P-401, P-403, P-501).
- Asphalt paving assumed to occur over multiple days for plant and field coverage. Cores are based on estimated shoulder and select pavement quantities.
- Earthwork/backfill density tests assume typical lift thicknesses and accessible test locations; box culvert and drainage structures carried at 1 test per 300 LF per lift.
- Technician hours include anticipated night/weekend coverage; senior technician time carried for ~10 drilled shafts at 12–15 hr/shaft.
- Proctors, LBR, and gradations assumed per source change or material type.
- Fees exclude major schedule extensions, excessive standby time, or additional mobilizations not reflected in the assumed construction durations.
- All fees are unit-rate and will be billed on actual quantities tested and hours worked.

Respectfully submitted,
TSFGEO



Tyler F. Gorman
Construction Services Manager



Amy L. Guisinger, P.E.
Principal Engineer



Dennis Mitchell, P.E.
Geotechnical Engineer

Attachments:
Fee Schedule

TIERRA SOUTH FLORIDA, INC
STANDARD UNIT FEE SCHEDULE

TSFGeo
FEE PROPOSAL FOR CMT SERVICES
TPA NW RON APRON
October 13, 2025

Scope: The general scope of work consists of construction materials testing and inspection services and any other related services. The Schedule of Fees and Services shown below provides the standard services that may be requested.

	Unit	# of Units	Unit Price	Total
I. SOIL TESTING				
Field Density Test (five [5] minimum)	Test		\$ 55.00	\$ -
Proctors	Test		\$ 150.00	\$ -
California/Limerock Bearing Ratio Test	Test		\$ 500.00	\$ -
Atterberg Limit Test	Test		\$ 105.00	\$ -
Carbonate Content Test	Test		\$ 125.00	\$ -
Organic Content Test	Test		\$ 65.00	\$ -
Corrosion Series	Test		\$ 225.00	\$ -
Natural Sample Moisture Content	Test		\$ 35.00	\$ -
Unit Weight and Moisture Content	Test		\$ 85.00	\$ -
			Subtotal	\$ -
II. CONCRETE & MASONRY MATERIALS				
Concrete Compression test (min four [4] cylinders per trip)	Set	70	\$ 140.00	\$ 9,800.00
- Prepare cylinders & slump test on site, and deliver to lab				
Concrete Flexural test	Set	20	\$ 175.00	\$ 3,500.00
- Prepare beams & slump test on site, and deliver to lab				
Additional Concrete Cylinders	Each		\$ 40.00	\$ -
Concrete Compression test only [delivered to lab by others]	Each		\$ 30.00	\$ -
	Each		\$ 30.00	\$ -
Concrete Cores (Minimum of 3 cores)				
- Secure, trim and test	Each		\$ 225.00	\$ -
-Testing of core [delivered to lab]	Core		\$ 65.00	\$ -
			Subtotal	\$ 13,300.00
III. AGGREGATE TESTING				
Grain-size Determination				
a. Full (8 sieves)	Test	20	\$ 90.00	\$ 1,800.00
b. Wash (#200)	Test		\$ 75.00	\$ -
Sieve Analysis - Coarse Aggregate	Test	20	\$ 90.00	\$ 1,800.00
Specific Gravity & Absorption of Fine or Coarse Aggregate	Test		\$ 100.00	\$ -
			Subtotal	\$ 3,600.00
IV. ASPHALT TESTING				
Asphalt Coring (Minimum of 3 cores)	Each		\$ 175.00	\$ -
Asphalt Extraction & Gradation	Each		\$ 195.00	\$ -
Asphalt Density & Thickness	Each		\$ 45.00	\$ -
Marshall Stability (incl. density, flow & stability of 3 specimens)	Test		\$ 185.00	\$ -
Coring Machine plus Generator Rental	Day		\$ 450.00	\$ -
Asphalt Plant Technician	Day	6	\$ 1,100.00	\$ 6,600.00
Asphalt Paving Technician	Day	6	\$ 1,000.00	\$ 6,000.00
			Subtotal	\$ 12,600.00
V. ENGINEERING AND HOURLY RATES				
Principal Engineer	Hour	5	\$351.68	\$ 1,758.40
Project Engineer	Hour	10	\$252.79	\$ 2,527.90
Staff Engineer	Hour		\$173.10	\$ -
Project Manager	Hour	45	\$241.77	\$ 10,879.65
Technician	Hour	180	\$118.87	\$ 21,396.60
			Subtotal	\$ 36,562.55
			Total	\$ 66,062.55

ATTACHMENT 2 - CONTRACT CLAUSES AIRPORT IMPROVEMENT PROGRAM

GENERAL REQUIREMENT FOR CONTRACTS.

Subject to the applicability criteria noted in the specific contract provisions, these contract provisions apply to all work performed on the Contract.

A. Failure to comply with the terms of these contract provisions may be sufficient grounds to:

1. Withhold progress payments or final payment,
2. Terminate the contract,
3. Seek suspension/debarment, or
4. Any other action determined to be appropriate by the sponsor or the FAA.

1.0 ACCESS TO RECORDS AND REPORTS - 2 CFR § 200.326334, 2 CFR § 200.333337, FAA Order 5100.38

The Design Professional must maintain an acceptable cost accounting system. The Design Professional agrees to provide the Owner, the Federal Aviation Administration, and the Comptroller General of the United States or any of their duly authorized representatives, access to any books, documents, papers, and records of the Design Professional which are directly pertinent to the specific contract for the purpose of making audit, examination, excerpts and transcriptions. The Design Professional agrees to maintain all books, records and reports required under this Contract for a period of not less than three years after final payment is made and all pending matters are closed.

2.0 AFFIRMATIVE ACTION REQUIREMENT - Refer to Appendix P Solicitation Attachment Airport Improvement Program

3.0 BREACH OF CONTRACT TERMS - 2 CFR § 200 Appendix II(A)

Any violation or breach of terms of this Contract on the part of the Design Professional or its subcontractors may result in the suspension or termination of this Contract or such other action that may be necessary to enforce the rights of the parties of this Contract.

Owner will provide Design Professional written notice that describes the nature of the breach and corrective actions the Design Professional must undertake in order to avoid termination of the contract.

Owner reserves the right to withhold payments to Design Professional until such time the Design Professional corrects the breach or the Owner elects to terminate the contract. The Owner's notice will identify a specific date by which the Design Professional must correct the breach. Owner may proceed with termination of the contract if the Design Professional fails to correct the breach by deadline indicated in the Owner's notice.

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder are in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or available by law.

TPA / Runway 1R-19L and Taxiway C Reconstruction & Rehabilitate Runway 1L-19R and Associated Taxiways, & Northwest Remain Overnight Parking Apron

4.0 BUY AMERICAN PREFERENCE - Refer to Appendix P Solicitation Attachment Airport Improvement Program and Attachment 4

5.0 CIVIL RIGHTS – GENERAL - 49 USC § 47123

In all its activities within the scope of its airport program, the Design Professional agrees to comply with pertinent statutes, Executive Orders and such rules as identified in Title VI List of Pertinent Nondiscrimination Acts and Authorities to ensure that no person shall, on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision binds the Design Professional and subcontractors from the Request for Qualifications solicitation period through the completion of the Contract. This provision is in addition to that required of Title VI of the Civil Rights Act of 1964.

This provision also obligates the tenant/concessionaire/lessee or its transferee for the period during which Federal assistance is extended to the airport through the Airport Improvement Program. In cases where Federal assistance provides, or is in the form of personal property; real property or interest therein; structures or improvements thereon, this provision obligates the party or any transferee for the longer of the following periods:

- A. The period during which the property is used by the airport Owner or any transferee for a purpose for which Federal assistance is extended, or for another purpose involving the provision of similar services or benefits; or
- B. The period during which the airport Owner or any transferee retains ownership or possession of the property.

6.0 CIVIL RIGHTS – TITLE VI ASSURANCES - 49 USC § 47123, FAA Order 1400.11

A. Compliance with Nondiscrimination Requirements

During the performance of this Contract, the Design Professional, for itself, its assignees, and successors in interest (hereinafter referred to as the “Design Professional”) agrees as follows:

1. Compliance with Regulations:

The Design Professional (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts And Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this Contract.

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 (including limited

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English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Design Professional will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the Contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

3. Solicitations for Subcontracts, Including Procurements 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 procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Design Professional of the Design Professional's obligations under this Contract and the Nondiscrimination Acts And Authorities on the grounds of race, color, or national origin.

4. Information and Reports:

The Design Professional will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will 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 to be pertinent to ascertain compliance with such Nondiscrimination Acts and Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Design Professional will so certify to the Owner or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance:

In the event of a contractor's noncompliance with the non-discrimination provisions of this Contract, the Owner will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the Design Professional under the Contract until the Design Professional complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions:

The Design Professional will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Design Professional will take action with respect to any subcontract or procurement as the Owner or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Design Professional becomes involved in, or is threatened with litigation by a subcontractor, or

supplier because of such direction, the Design Professional may request the Owner to enter into any litigation to protect the interests of the Owner. In addition, the Design Professional may request the United States to enter into the litigation to protect the interests of the United States.

B. Title VI List of Pertinent Nondiscrimination Acts and Authorities

During the performance of this Contract, the Design Professional, for itself, its assignees, and successors in interest (hereinafter referred to as the "Design Professional") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

1. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
2. 49 CFR part 21 (Non-discrimination In Federally-Assisted Programs of The Department of Transportation—Effectuation of Title VI of The Civil Rights Act of 1964);
3. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
4. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR part 27 (Nondiscrimination on the Basis of Disability in Programs or Activities Receiving Federal Financial Assistance);
5. The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
6. Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
7. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
8. Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
9. The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex); and

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- 10. Not Used.
- 11. Not Used.
- 12. Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

7.0 CLEAN AIR AND WATER. POLLUTION CONTROL- 2 CFR Part 200, Appendix II(G), 42 USC § 7401, et seq, 33 USC § 1251, et seq

Design Professional agrees to comply with all applicable standards, orders, and regulations issued pursuant to the Clean Air Act (42 U.S.C. § 740-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. § 1251-1387). The Design Professional agrees to report any violation to the Owner immediately upon discovery. The Owner assumes responsibility for notifying the Environmental Protection Agency (EPA) and the Federal Aviation Administration.

Design Professional must include this requirement in all subcontracts that exceeds \$150,000.

8.0 CONTRACT WORKHOURS AND SAFETY STANDARDS ACT REQUIREMENTS- 2 CFR Part 200, Appendix II(E), 2 CFR § 5.5(b), 40 USC § 3702, 40 USC § 3704

A. Overtime Requirements.

No contractor or subcontractor contracting for any part of the Contract Work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

B. Violation; Liability for Unpaid Wages; Liquidated Damages.

In the event of any violation of the clause set forth in paragraph A of this clause, the Design Professional and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph A of this clause, in the sum of \$29 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph A of this clause.

C. Withholding for Unpaid Wages and Liquidated Damages.

The Federal Aviation Administration (FAA) or the Owner shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Design

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Professional or subcontractor under any such contract or any other Federal contract with the same prime Design Professional, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Design Professional, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph B of this clause.

D. Subcontractors.

The Design Professional or subcontractor shall insert in any subcontracts the clauses set forth in paragraphs A. through D. and also a clause requiring the subcontractor to include these clauses in any lower tier subcontracts. The Design Professional shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs A. through D. of this clause.

9.0 COPELAND "ANTI-KICKBACK" ACT - 2CFR § 200 Appendix II(D), 29 CFR parts 3 and 5

Design Professional must comply with the requirements of the Copeland "Anti-Kickback" Act (18 U.S.C. 874 and 40 U.S.C. 3145), as supplemented by Department of Labor regulation 29 CFR part 3. Design Professional and subcontractors are prohibited from inducing, by any means, any person employed on the project to give up any part of the compensation to which the employee is entitled. The Design Professional and each Subcontractor must submit to the Owner, a weekly statement on the wages paid to each employee performing on covered work during the prior week. Owner must report any violations of the Act to the Federal Aviation Administration.

10.0 DAVIS-BACON REQUIREMENTS - 2 CFR § 200 Appendix II (D), 29 CFR Part 5, 49 USC § 47112(b), 40 USC §§ 3141-3144, 3146, and 3147

A. Minimum Wages

1. All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalent thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Design Professional and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (A)(4) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work

actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under (A)(2) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Design Professional and its subcontractors at the site of the work in a prominent and accessible place where it can easily be seen by the workers.

2. (A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the Contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- a. The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- b. The classification is utilized in the area by the construction industry; and
- c. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Design Professional and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Design Professional, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (A)(2) (B) or (C) of this paragraph, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.

3. Whenever the minimum wage rate prescribed in the Contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Design Professional shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
4. If the Design Professional does not make payments to a trustee or other third person, the Design Professional may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the Design Professional, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Design Professional to set aside in a separate account assets for the meeting of obligations under the plan or program.

B. Withholding.

The Federal Aviation Administration or the Owner shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Design Professional under this Contract or any other Federal contract with the same Design Professional, or any other Federally-assisted Contract subject to Davis-Bacon prevailing wage requirements, which is held by the same Design Professional, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Design Professional or any subcontractor the full amount of wages required by the Contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of work, all or part of the wages required by the Contract, the Federal Aviation Administration may, after written notice to the Design Professional, Owner, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

C. Payrolls and basic records.

1. Payrolls and basic records relating thereto shall be maintained by the Design Professional during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Design Professional shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual costs incurred in providing such

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benefits. Design Professionals employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

2. a. The Design Professional shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Federal Aviation Administration if the agency is a party to the Contract, but if the agency is not such a party, the Design Professional will submit the payrolls to the Owner, for transmission to the Federal Aviation Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead, the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The Design Professional is responsible for the submission of copies of payrolls by all subcontractors. Design Professionals and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Federal Aviation Administration if the agency is a party to the Contract, but if the agency is not such a party, the Design Professional will submit them to the applicant, Owner, or owner, as the case may be, for transmission to the Federal Aviation Administration, the Design Professional, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime Design Professional to require a subcontractor to provide addresses and social security numbers to the prime Design Professional for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or Owner).
- b. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Design Professional or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the Contract and shall certify the following:
 - i. That the payroll for the payroll period contains the information required to be provided under 29 CFR § 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR § 5.5 (a)(3)(i) and that such information is correct and complete;
 - ii. That each laborer and mechanic (including each helper, apprentice and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions

as set forth in Regulations 29 CFR Part 3; and

- iii. That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the Contract.
 - c. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (C)(2)(b) of this section.
 - d. The falsification of any of the above certifications may subject the Design Professional or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.
3. The Design Professional or subcontractor shall make the records required under paragraph (C)(1) of this section available for inspection, copying or transcription by authorized representatives of the Owner, the Federal Aviation Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Design Professional or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Design Professional, Owner, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.
4. Each month, the Design Professional shall submit an updated signed sub-contractor listing to the Owner with its pay application. The sub-contractor listing shall accurately and completely list all active as well as inactive sub-contractors as of the pay application date. Active sub-contractors continue to perform work on the Project and have not submitted a final certified payroll. Inactive sub-contractors have completed work on the Project and have submitted a final certified payroll. Sub-contractors include all lower sub-tiers of all sub-contractors.

D. Apprentices and Trainees.

1. Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in

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any craft classification shall not be greater than the ratio permitted to the Design Professional as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Design Professional's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Design Professional will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

2. Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate that is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Design Professional will no longer be permitted to utilize trainees at less than the

applicable predetermined rate for the work performed until an acceptable program is approved.

3. Equal Employment Opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

E. Compliance with Copeland Act Requirements.

The Design Professional shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this Contract.

F. Subcontracts.

The Design Professional or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR Part 5.5(a)(1) through (10) and such other clauses as the Federal Aviation Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Design Professional shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR Part 5.5.

G. Contract Termination: Debarment.

A breach of the Contract clauses in paragraph A through J of this section may be grounds for termination of the Contract, and for debarment as a Design Professional and a subcontractor as provided in 29 CFR 5.12.

H. Compliance With Davis-Bacon and Related Act Requirements.

All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this Contract.

I. Disputes Concerning Labor Standards.

Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6 and 7. Disputes within the meaning of this clause include disputes between the Design Professional (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

J. Certification of Eligibility.

1. By entering into this Contract, the Design Professional certifies that neither it (nor he or she) nor any person or firm who has an interest in the Design Professional's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
2. No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29

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CFR 5.12(a)(1).

3. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

11.0 DEBARMENT AND SUSPENSION (NON-PROCUREMENT) – Refer to Appendix O Airport Improvement Program Certification

12.0 DISADVANTAGED BUSINESS ENTERPRISE - Refer to Appendix P Solicitation Attachment Airport Improvement Program

Contract Assurance (§ 26.13) - The Design Professional or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. The Design Professional shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Design Professional to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy, as the recipient deems appropriate, which may include, but is not limited to:

- 1) Withholding monthly progress payments;
- 2) Assessing sanctions;
- 3) Liquidated damages; and/or
- 4) Disqualifying the Design Professional from future solicitations as non-responsible..

Prompt Payment (§26.29) The prime Design Professional agrees to pay each subcontractor under this Contract for satisfactory performance of its Contract no later than ten (10) days from the receipt of each payment the Design Professional receives from Owner. The Design Professional agrees further to return retainage payments to each subcontractor within ten (10) days after the subcontractor'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 approval of the Owner. This clause applies to both DBE and non-DBE subcontractors.

Termination of DBE Subcontracts (49 CFR § 26.53(f) - The Design Professional must not terminate a DBE subcontractor listed in response to a solicitation (or an approved substitute DBE firm) without prior written consent of the Owner. This includes, but is not limited to, instances in which the Design Professional seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. The Design Professional shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains written consent from the Owner. Unless Owner consent is provided, the Design Professional shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE. The Owner may provide such written consent only if the Owner agrees, for reasons stated in the concurrence document, that the Design Professional has good cause to terminate the DBE firm. For purposes of this paragraph, good cause includes the circumstances listed in 49 CFR §26.53. Before transmitting to the Owner its request to terminate and/or substitute a DBE subcontractor, the Design Professional must give notice in writing to the DBE subcontractor, with a copy to the Owner, of its intent to request to terminate and/or substitute, and the reason for the request. The Design Professional must give the DBE five days to respond to the Design Professional's notice and advise the Owner and the Design Professional of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Owner should not approve the Design Professional's action. If required in a

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particular case as a matter of public necessity (e.g., safety), the Owner may provide a response period shorter than five days. In addition to post-award terminations, the provisions of this section apply to pre-award deletions of or substitutions for DBE firms put forward by Offerors in negotiated procurements.

13.0 DISTRACTED DRIVING – Executive Order 13513, DOT Order 3902.10

TEXTING WHEN DRIVING

In accordance with Executive Order 13513, "Federal Leadership on Reducing Text Messaging While Driving" (10/1/2009) and DOT Order 3902.10 "Text Messaging While Driving" (12/30/2009), the FAA encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or sub-grant.

In support of this initiative, the Owner encourages the Design Professional to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Design Professional must include the substance of this clause in all sub-tier contracts exceeding \$10,000 and involve driving a motor vehicle in performance of work activities associated with the project.

14.0 PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT – Refer to Appendix O Airport Improvement Program Certification

15.0 DRUG FREE WORKPLACE REQUIREMENTS - 49 CFR Part 32

The Owner is required to comply with the Drug Free Workplace Act of 1988 (41 USC § 8101-8106, as amended) which requires it to agree to provide a drug free workplace. Design Professional, when working on site, must maintain a drug free workplace.

16.0 EQUAL EMPLOYMENT OPPORTUNITY (EEO) - 2 CFR Part 200, Appendix II(C), 41 CFR § 60-1.4, 41 CFR § 60-4.3, Executive Order 11246

EQUAL OPPORTUNITY CLAUSE

During the performance of this Contract, the Design Professional agrees as follows:

- A. The Design Professional will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Design Professional will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Design Professional agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

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- B. The Design Professional will, in all solicitations or advertisements for employees placed by or on behalf of the Design Professional, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- C. The Design Professional will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- D. The Design Professional will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the said labor union or workers' representative of the Design Professional's commitments under this section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- E. The Design Professional will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- F. The Design Professional will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- G. In the event of the Design Professional's noncompliance with the nondiscrimination clauses of this Contract or with any such rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part and the Design Professional may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- H. The Design Professional will include the portion of the sentence immediately preceding paragraph (A) and the provisions of paragraphs (A) through (H) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Design Professional will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions, including sanctions for noncompliance: *Provided*, however, that in the event the Design Professional becomes involved in, or is threatened with, litigation

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with a subcontractor or vendor as a result of such direction, the Design Professional may request the United States to enter into such litigation to protect the interests of the United States.

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS

A. As used in these specifications:

1. "Covered area" means the geographical area described in the solicitation from which this Contract resulted;
2. "Director" means Director, Office of Federal Contract Compliance Programs (OFCCP), U.S. Department of Labor, or any person to whom the Director delegates authority;
3. "Employer identification number" means the Federal social security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
4. "Minority" includes:
 - a. Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - c. Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin regardless of race);
 - d. Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - e. American Indian or Alaskan native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

B. Whenever the Design Professional, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation, and which is set forth in the solicitations from which this Contract resulted.

C. If the Design Professional is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Design Professionals shall be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each contractor or subcontractor participating in an approved plan is individually required to comply with its obligations under the EEO clause and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other

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contractors or subcontractors toward a goal in an approved Plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

- D. The Design Professional shall implement the specific affirmative action standards provided in paragraphs G.1 through G.16 of these specifications below. The goals set forth in the solicitation from which this Contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Design Professional should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in a geographical area where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Design Professional is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.
- E. Neither the provisions of any collective bargaining agreement nor the failure by a union with whom the Design Professional has a collective bargaining agreement to refer either minorities or women shall excuse the Design Professional's obligations under these specifications, Executive Order 11246 or the regulations promulgated pursuant thereto.
- F. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees shall be employed by the Design Professional during the training period and the Design Professional shall have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees shall be trained pursuant to training programs approved by the U.S. Department of Labor.
- G. The Design Professional shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Design Professional's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Design Professional shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:
 - 1. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Design Professional's employees are assigned to work. The Design Professional, where possible, will assign two or more women to each construction project. The Design Professional shall specifically ensure that all foremen, superintendents, and other onsite supervisory personnel are aware of and carry out the Design Professional's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - 2. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Design Professional or its unions have employment opportunities available, and maintain a record of the organizations' responses.

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3. Maintain a current file of the names, addresses, and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source, or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Design Professional by the union or, if referred, not employed by the Design Professional, this shall be documented in the file with the reason therefore along with whatever additional actions the Design Professional may have taken.
4. Provide immediate written notification to the Director when the union or unions with which the Design Professional has a collective bargaining agreement has not referred to the Design Professional a minority person or female sent by the Design Professional, or when the Design Professional has other information that the union referral process has impeded the Design Professional's efforts to meet its obligations.
5. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Design Professional's employment needs, especially those programs funded or approved by the Department of Labor. The Design Professional shall provide notice of these programs to the sources compiled under G.2 above.
6. Disseminate the Design Professional's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Design Professional in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
7. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions including specific review of these items with onsite supervisory personnel such as superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
8. Disseminate the Design Professional's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Design Professional's EEO policy with other Design Professionals and subcontractors with whom the Design Professional does or anticipates doing business.
9. Direct its recruitment efforts, both oral and written, to minority, female, and community organizations, to schools with minority and female students; and to minority and female

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recruitment and training organizations serving the Design Professional's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Design Professional shall send written notification to organizations, such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

10. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable provide after school, summer, and vacation employment to minority and female youth both on the site and in other areas of a Design Professional's workforce.
 11. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
 12. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel, for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 13. Ensure that seniority practices, job classifications, work assignments, and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Design Professional's obligations under these specifications are being carried out.
 14. Ensure that all facilities and company activities are non-segregated except that separate or single user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 15. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 16. Conduct a review, at least annually, of all supervisor's adherence to and performance under the Design Professional's EEO policies and affirmative action obligations.
- H. Design Professionals are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (G.1 through G.16). The efforts of a contractor association, joint contractor union, contractor community, or other similar groups of which the Design Professional is a member and participant, may be asserted as fulfilling any one or more of its obligations under G.1 through G.16 of these specifications provided that the Design Professional actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Design Professional's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Design Professional. The obligation to comply, however, is the Design Professional's and failure of such a group to fulfill an obligation shall not

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be a defense for the Design Professional's noncompliance.

- I. A single goal for minorities and a separate single goal for women have been established. The Design Professional, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, if the particular group is employed in a substantially disparate manner (for example, even though the Design Professional has achieved its goals for women generally, the Design Professional may be in violation of the Executive Order if a specific minority group of women is underutilized).
- J. The Design Professional shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, sexual orientation, gender identity, or national origin.
- K. The Design Professional shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
- L. The Design Professional shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination, and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Design Professional who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
- M. The Design Professional, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph G of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Design Professional fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
- N. The Design Professional shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee, the name, address, telephone number, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
- O. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

- 17.0 FEDERAL FAIR LABOR STANDARDS ACT (FEDERAL MINIMUM WAGE) - Refer to Appendix P Solicitation Attachment Airport Improvement Program
- 18.0 LOBBYING AND INFLUENCING FEDERAL EMPLOYEES – Refer to Appendix O Airport Improvement Program Certification
- 19.0 PROHIBITION of SEGREGATED FACILITIES - 2 CFR Part 200, Appendix II(C), 41 CFR Part 60-1
- A. The Design Professional agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Design Professional agrees that a breach of this clause is a violation of the Equal Opportunity clause in this contract.
- B. “Segregated facilities,” as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between the sexes.
- C. The Design Professional shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

20.0 OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 - 29 CFR Part 1910

All contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. The Design Professional must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Design Professional retains full responsibility to monitor its compliance and their subcontractor’s compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (29 CFR Part 1910). The Design Professional must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

21.0 PROCUREMENT OF RECOVERED MATERIALS - 2 CFR § 200.323, 2 CFR Part 200, Appendix II(J), 40 CFR Part 247, 42 USC § 6901, et seq (Resource Conservation and Recovery Act (RCRA))

Design Professional and subcontractor agree to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, and the regulatory provisions of 40 CFR Part 247. In the performance of this Contract and to the extent practicable, the Design Professional and subcontractors are to use of products containing the highest percentage of recovered materials for items designated by the Environmental Protection Agency (EPA) under 40 CFR Part 247 whenever:

- a) The contract requires procurement of \$10,000 or more of a designated item during the fiscal year; or,

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- b) The contractor has procured \$10,000 or more of a designated item using Federal funding during the previous fiscal year.

The list of EPA-designated items is available at <http://www.epa.gov/smm/comprehensive-procurement-guidelines-construction-products> Section 6002(c) establishes exceptions to the preference for recovery of EPA-designated products if the contractor can demonstrate the item is:

- a) Not reasonably available within a timeframe providing for compliance with the contract performance schedule;
- b) Fails to meet reasonable contract performance requirements; or
- c) Is only available at an unreasonable price.

22.0 RIGHT TO INVENTIONS - 2 CFR Part 200, Appendix II(F), 37 CFR Part 401

Contracts or agreements that include the performance of experimental, developmental, or research work must provide for the rights of the Federal Government and the Owner in any resulting invention as established by 37 CFR part 401, Rights to Inventions Made by Non-profit Organizations and Small Business Firms under Government Grants, Contracts, and Cooperative Agreements. This Contract incorporates by reference the patent and inventions rights as specified within in the 37 CFR §401.14. Design Professional must include this requirement in all sub-tier contracts involving experimental, developmental or research work.

23.0 SEISMIC SAFETY - 49 CFR Part 41

In the performance of design services, the Design Professional has agreed to furnish a building design and associated construction specification that conform to a building code standard which provides a level of seismic safety substantially equivalent to standards as established by the National Earthquake Hazards Reduction Program (NEHRP). Local building codes that model their building code after the current version of the International Building Code (IBC) meet the NEHRP equivalency level for seismic safety. At the conclusion of the design services, the Design Professional has agreed to furnish the Owner a "certification of compliance" that attests conformance of the building design and the construction specifications with the seismic standards of NEHRP or an equivalent building code.

The Design Professional agrees to ensure that all work performed under this contract, including work performed by subcontractors, conforms to a building code standard that provides a level of seismic safety substantially equivalent to standards established by the National Earthquake Hazards Reduction Program (NEHRP). Local building codes that model their code after the current version of the International Building Code (IBC) meet the NEHRP equivalency level for seismic safety.

24.0 TAX DELINQUENCY AND FELONY CONVICTIONS – Refer to Appendix O Airport Improvement Program Certification

25.0 TERMINATION OF CONTRACT - 2CFR Part 200, Appendix II(B), FAA Advisory Circular 150/5370-10, Section 80-09

Termination for Convenience (Construction & Equipment Contracts)

The Owner may terminate this Contract in whole or in part at any time by providing written notice to the Design Professional. Such action may be without cause and without prejudice to any other right or

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remedy of Owner. Upon receipt of a written notice of termination, except as explicitly directed by the Owner, the Design Professional shall immediately proceed with the following obligations regardless of any delay in determining or adjusting amounts due under this clause:

1. Design Professional must immediately discontinue work as specified in the written notice.
2. Terminate all subcontracts to the extent they relate to the work terminated under the notice.
3. Discontinue orders for materials and services except as directed by the written notice.
4. Deliver to the owner all fabricated and partially fabricated parts, completed and partially completed work, supplies, equipment and materials acquired prior to termination of the work and as directed in the written notice.
5. Complete performance of the work not terminated by the notice.
6. Take action as directed by the owner to protect and preserve property and work related to this contract that Owner will take possession.

Owner agrees to pay Design Professional for:

- a) completed and acceptable work executed in accordance with the contract documents prior to the effective date of termination;
- b) documented expenses sustained prior to the effective date of termination in performing work and furnishing labor, materials, or equipment as required by the contract documents in connection with uncompleted work;
- c) reasonable and substantiated claims, costs and damages incurred in settlement of terminated contracts with Subcontractors and Suppliers; and
- d) reasonable and substantiated expenses to the contractor directly attributable to Owner's termination action

Owner will not pay Design Professional for loss of anticipated profits or revenue or other economic loss arising out of or resulting from the Owner's termination action.

The rights and remedies this clause provides are in addition to any other rights and remedies provided by law or under this contract.

Termination for Default (Construction)

Section 80-09 of FAA Advisory Circular 150/5370-10 establishes conditions, rights and remedies associated with Owner termination of this Contract due to default of the Design Professional.

Termination for cause (Professional Services)

Either party may terminate this Contract for cause if the other party fails to fulfill its obligations that are essential to the completion of the work per the terms and conditions of the Contract. The party initiating the termination action must allow the breaching party an opportunity to dispute or cure the breach.

The terminating party must provide the breaching party [7] days advance written notice of its intent to terminate the Contract. The notice must specify the nature and extent of the breach, the conditions necessary to cure the breach, and the effective date of the termination action. The rights and remedies in this clause are in addition to any other rights and remedies provided by law or under this Contract.

- a) Termination by Owner: The Owner may terminate this Contract for cause in whole or in part, for the failure of the Consultant to:
1. Perform the services within the time specified in this contract or by Owner approved extension;
 2. Make adequate progress so as to endanger satisfactory performance of the Project; or
 3. Fulfill the obligations of the Agreement that are essential to the completion of the Project.

Upon receipt of the notice of termination, the Design Professional must immediately discontinue all services affected unless the notice directs otherwise. Upon termination of the Contract, the Design Professional must deliver to the Owner all data, surveys, models, drawings, specifications, reports, maps, photographs, estimates, summaries, and other documents and materials prepared by the Design Professional under this Contract, whether complete or partially complete.

Owner agrees to make just and equitable compensation to the Design Professional for satisfactory work completed up through the date the Design Professional receives the termination notice. Compensation will not include anticipated profit on non-performed services.

Owner further agrees to hold Design Professional harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

If, after finalization of the termination action, the Owner determines the Design Professional was not in default of the Contract, the rights and obligations of the parties shall be the same as if the Owner issued the termination for the convenience of the Owner.

- b) Termination by Design Professional: The Design Professional may terminate this Contract for cause in whole or in part, if the Owner:
1. Defaults on its obligations under this Contract;
 2. Fails to make payment to the Design Professional in accordance with the terms of this Contract;
 3. Suspends the project for more than [180] days due to reasons beyond the control of the Design Professional.

Upon receipt of a notice of termination from the Design Professional, Owner agrees to cooperate with Design Professional for the purpose of terminating the Contract or portion thereof, by mutual consent. If Owner and Design Professional cannot reach mutual agreement on the termination settlement, the Design Professional may, without prejudice to any rights and remedies it may have, proceed with terminating all or parts of this Contract based upon the Owner's breach of the Contract.

In the event of termination due to Owner breach, the Design Professional is entitled to invoice Owner and to receive full payment for all services performed or furnished in accordance with this Contract and all justified reimbursable expenses incurred by the Design Professional through the effective date of termination action. Owner agrees to hold Design Professional harmless for errors or omissions in documents that are incomplete as a result of the termination action under this clause.

26.0 TRADE RESTRICTION CERTIFICATION – Refer to Appendix O Airport Improvement Program Certification

27.0 VETERAN'S PREFERENCE - 49 USC § 47112(c)

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In the employment of labor (excluding executive, administrative, and supervisory positions), the Design Professional and all sub-tier contractors must give preference to covered veterans as defined within Title 49 United States Code Section 47112. Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 U.S.C. 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.

28.0 DOMESTIC PREFERENCES FOR PROCUREMENTS – Refer to Appendix O Airport Improvement Program Certification

END OF SECTION

ATTACHMENT 3

E-Verify Certification

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This certification is required in accordance with the State of Florida, Office of the Governor, Executive Order Number 11-116 (Verification of Employment Status) and Fla. Stat. Section 448.095.

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 and Fla. Stat. Section 448.095.

Signature

Title

Printed Name

Date

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

INSURANCE REQUIREMENTS

Design Professional agrees to provide its full limits for every policy specified herein, without restriction or reduction, and to the extent required by Florida Department of Transportation Public Transportation Grant Agreement, shall require the same of all of its contractors, subcontractors, suppliers, consultants, and subconsultants at each tier. To the extent that there is any exclusion, deficiency, reduction, or gap in a policy, which makes the insurance more restrictive than the coverage required, the Design Professional agrees to remain responsible and obligated to make the Owner whole as if the Design Professional and all of its contractors, subcontractors, suppliers, consultants, and subconsultants at each tier fully met the insurance requirements of the contract. Every policy shall be maintained without interruption or amendment throughout the life of this Contract, including but not limited to any warranty or limitation periods, and for any period of extension described herein. In the event the Design Professional becomes in default of any requirement, the Owner reserves the right to take whatever actions deemed necessary to protect its interests. The Design Professional shall require every policy, other than Workers' Compensation, Employer's Liability and Professional Liability, to be endorsed to include the Owner, members of the Owner's governing body, and the Owner's officers, volunteers, agents, and its employees as additional insureds. To the extent required by Florida Department of Transportation Public Transportation Grant Agreement, Design Professional shall also ensure that the Florida Department of Transportation is added as an additional insured on the Commercial General Liability policy of the Design Professional. There shall be no language in any policy, endorsement, or exclusion that reduces or limits recovery to any amount less than the full policy limits. The Design Professional will submit evidence that it, and to the extent required by the Florida Department of Transportation Public Grant Agreement, all subcontractors, suppliers, consultants, and subconsultants at each tier has complied with this provision to the Owner before any work or service commences under this contract. Such evidence shall describe the full policy limits along with any deductible, retentions, attachment point, and any deviation from a fully insured program.

Workers' Compensation/Employer's Liability

The Design Professional shall not allow its coverage, or that of any of its contractors, subcontractors, suppliers, consultants, or subconsultants at each tier, to drop below or become encumbered below the following minimum limits of insurance:

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

It is the responsibility of the Design Professional to ensure that all entities and person(s) working for or behalf of itself or any contractor, subcontractor, supplier, subconsultant, independent contractor, sole proprietorship, partner, "leased employee", person obtained through a professional employer organization ("PEO's"), operator, and any personnel obtained under an agreement, including equipment rental agreements have Workers' Compensation Insurance in accordance with Florida's Workers' Compensation law.

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Commercial General Liability

The Design Professional will maintain and ensure that all contractors, subcontractors, suppliers, consultants, and subconsultants at each tier have Commercial General Liability insurance providing continuous coverage for all liability resulting out of, or in connection with, any ongoing operations performed by, including the use or occupancy of Owner premises, or on behalf of the Design Professional under this Contract. The insurance required under this contract shall be the full policy limits without reduction or limitation.

The limits of coverage required shall apply fully to the work or operations performed under this Contract and may not be shared with or diminished by claims unrelated to this Contract. The coverage cannot contain any deductible, retention or self-insurance without prior approval of the Owner and must clearly identify any such deductible, retention or other than a fully insured plan. Any deductible, retention, or self-insurance will be the responsibility of and paid by the First Named Insured and not by the Owner. To the extent required by the Florida Department of Transportation Public Transportation Grant Agreement, the Commercial General Liability insurance of Design Professional may not contain or be subject to any self-insured retentions.

Such coverage shall be primary as to any other available insurance and shall not be more restrictive than the coverage afforded to the Named Insured. It is to be written on an "occurrence" basis on a form no more restrictive than ISO Form CG 00 01 10 01 and shall include Products/Completed Operations coverage. Additional insured coverage shall be provided on a form no more restrictive than ISO Form CG 20 10 10 01 and CG 20 37 10 01. The policy or policies shall not include a Contractual Liability Limitation (ISO CG 21 39), a Limitation of Coverage to Designated Premises or Project (CG 21 44), or any endorsement that similarly restricts or limits coverage to the Owner. The Design Professional shall not allow its coverage to drop below or become encumbered below the following minimum limits of insurance:

	<u>Contract Specific</u>
General Aggregate	\$10,000,000
Each Occurrence	\$10,000,000
Personal and Advertising Injury	\$10,000,000
Products and Completed Operations	\$10,000,000

Design Professional shall ensure that all of its contractors, subcontractors, suppliers, consultants, or subconsultants at each tier procure and maintain Commercial Liability Insurance with the following minimum limits of insurance:

General Aggregate	\$5,000,000
Each Occurrence	\$1,000,000

Products and Completed operations coverage will be maintained for a period of three (3) years from the date of termination of this Contract.

Business Auto Liability

The Design Professional agrees to provide its full policy limits for commercial auto coverage, without restriction or reduction, on all owned, hired and non-owned vehicles. Coverage shall be provided on a

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form no more restrictive than ISO Form CA 00 01. The Design Professional shall not allow its coverage to drop below or become encumbered below the following minimum limits of insurance:

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

The Design Professional agrees to provide its full policy limits for its professional liability exposures, without restriction or reduction. Such insurance will be maintained by the Design Professional without interruption or amendment throughout the life of this Contract and for a period of three (3) years following termination of the Contract. Any deductible, retention or self-insured amount must be approved in writing by the Owner. All policies shall be endorsed to include contractual liability. Coverage will include all work of the Design Professional, and all contractors, subcontractors, suppliers, consultants, and subconsultants at each tier that provide professional services, work, or advice as it relates to this agreement, including but not limited to areas with possible environmental impact, without any exclusions unless approved in writing by the Owner. The Design Professional shall not allow its limits to drop below or become encumbered below the following minimum limits of insurance:

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

Builders Risk Coverage

N/A

Environmental Impairment (Pollution) Liability

N/A

Utility and Railroad Protective Liability

To the extent required by the Florida Department of Transportation Public Transportation Grant Agreement when work performed under this Contract is on or in the vicinity of utility-owned property or facilities the utility shall also be listed as an additional insured along with the Owner, members of the Owner's governing body, the Owner's officers, volunteers, agents and its employees and to the extent required by the Florida Department of Transportation Grant Agreement in the manner as described herein.

To the extent required by the Florida Department of Transportation Public Transportation Grant Agreement if the work performed is on or in the vicinity of a railroad right-of-way, including any encroachments thereon from such work or operations, the entities and persons involved shall require, procure, and maintain Railroad Protective Liability Coverage. Such coverage shall be no more restrictive than that provided by the latest occurrence form edition of the Railroad Protective Liability Coverage (ISO Form CG 00 35) as filed for use in the State of Florida.

Design Professional agrees to provide its full policy limits for any Utility or Railroad, without restriction or reduction, and shall require the same of all of its contractors, subcontractors, suppliers, consultants, and subconsultants at each tier. The Design Professional shall not allow its coverage or that of any of its contractors, subcontractors, suppliers, consultants, or subconsultants at each tier required to have this

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coverage to drop below or become encumbered below \$2,000,000 combined single limit for bodily injury and/or property damage for each occurrence or have an annual aggregate of less than a \$6,000,000, inclusive of amounts provided by an umbrella or excess policy.

The coverage shall include the railroad and utility along with the Owner and State of Florida, Department of Transportation as additional insureds in the manner as described herein.

CONTRACTUAL INSURANCE TERMS AND CONDITIONS

This Section incorporates the Owner's Standard Procedure S250.06 and establishes the insurance terms and conditions associated with contractual insurance requirements. This Section is applicable to all Design Professionals with Owner contracts, and to the extent required by the Florida Department of Transportation Public Transportation Grant Agreement, includes every contractor, subcontractor, consultant, and subconsultant at each tier. Unless otherwise provided herein, any exceptions to the following conditions or changes to required coverages or coverage limits must have prior written approval from the Owner.

INSURANCE COVERAGE:

A. 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 types and amounts of insurance conforming to the minimum requirements set forth in the applicable contract. In addition to the extent required by Florida Department of Transportation Public Transportation Grant Agreement, the Design Professional shall further require that all contractors, subcontractors, suppliers, consultants, and sub-consultants at each tier satisfy and meet all the requirements of the applicable Grant Agreement, including the terms and conditions of this Standard Procedure. 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, companies with AM Best ratings lower than A-, or companies with a financial size category lower than VII must be submitted by the company to the Owner Director of Risk Management for approval prior to use. The Owner retains the right to approve or disapprove the use of any insurer, policy, risk pooling or self-insurance program.

B. Term of Coverage:

Except as otherwise specified in the contract, the insurance will commence on or prior to the effective date of the contract and will be maintained in force throughout the duration of the contract, including but not limited to any warranty or limitation periods and for any period of extended coverage required in the contract. If a policy is written on a claims-made form, the retroactive date must be shown and this date must be before the earlier of the date of the execution of the contract or the beginning of contract work, and the coverage must respond to all claims reported within three years following the period for which coverage is required unless a longer period of time is otherwise stated in the contract.

C. Reduction of Aggregate Limits:

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If the general or aggregate limit for any policy is exhausted, the company, and to the extent required by Florida Department of Transportation Public Transportation Grant Agreement, all of the Design Professional's contractors, subcontractors, consultants, and sub-consultants at each tier, will immediately take all possible steps to have it reinstated. The commercial general liability policies and any excess or umbrella policies used to provide the required amount of insurance shall include a per project designated aggregate limit endorsement providing that the limits of such insurance specified in the contract shall apply solely to the work under the contract without erosion of such limits by other claims or occurrences.

1. Cancellation Notice

Each insurance policy will be specifically endorsed to require the insurer to provide written notice to the Owner at least 30 days (or 10 days prior notice for non-payment of premium) prior to any cancellation, non-renewal or adverse change, initiated by the insurer, and applicable to any policy or coverage described in the contract or in this Standard Procedure. 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
Tampa, Florida 33622

Additionally, to the extent required by Florida Department of Transportation Public Transportation Grant Agreement, the workers' compensation, commercial general liability and railroad protective insurance of every contractor, subcontractor, consultant, and sub-consultant at each tier shall be specifically endorsed to require the insurer to provide the Florida Department of Transportation notice within 10 days of any cancellation, notice of cancellation, lapse, renewal, or proposed change to any policy or coverage described in the contract or this Standard Procedure.

D. No waiver by approval/disapproval:

The Owner accepts no responsibility for determining whether the company or any contractor, subcontractor, consultant, or sub-consultant at each tier is in full compliance with the insurance coverage required by the contract. The Owner's approval or failure to disapprove any policy, endorsement coverage, or Certificate of Insurance does not relieve or excuse the company of any obligation to procure and maintain the insurance required in the contract or in this Standard Procedure, nor does it serve as a waiver of any rights or defenses the Owner may have.

E. Future Modifications – Changes in Circumstances:

1. Changes in Coverage and Required Limits of Insurance

The coverages and minimum limits of insurance required by the contract are based on circumstances in effect at the inception of the contract. If, in the opinion of the Owner, circumstances merit a change in such coverage or minimum limits of insurance required by the contract, the Owner may change the coverage and the minimum limits of insurance required, and

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the Design Professional will, within 60 days of receipt of written notice of a change in the coverage and/or the minimum limits required, comply with such change and provide evidence of such compliance in the manner required by the contract. Provided, however, that no change in the coverages or minimum limits of insurance required will be made by the Owner until at least two years after inception of the contract. Subsequent changes in the coverage or minimum limits of insurance required 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. To the extent required by Florida Department of Transportation Public Transportation Grant Agreement, any such change or modification in coverage or limits shall also apply to the contractors, subcontractors, suppliers, consultants, and sub-consultants at each tier.

If, in the opinion of the Owner, compliance with the insurance requirements is not commercially practicable for the Design Professional, contractors, subcontractors, suppliers, consultants or subconsultants at any tier, 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, contractors, subcontractors, suppliers, consultants, and sub-consultants at any tier. Any such modification will be subject to the prior written approval of the Owner's General Counsel and Executive Vice President of Legal Affairs or designee, and subject to the conditions of such approval.

F. Proof of Insurance – Insurance Certificate:

1. Prior to Work, Use or Occupancy of Owner's Premises

The Design Professional and, to the extent required by Florida Department of Transportation Public Transportation Grant Agreement, the Design Professional's contractors, subcontractors, suppliers, consultants, and sub-consultants at each tier will not commence work, or use or occupy Owner's premises in connection with the 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 company to commence work or use or occupy the premises in connection with the contract.

2. Proof of Insurance Coverage

As preliminary evidence of compliance with the insurance required by the contract, the Design Professional will furnish the Owner with an ACORD Certificate of Liability Insurance (Certificate) reflecting the required coverage described in the contract and this Standard Procedure.

The Certificate must:

- a. Be signed by an authorized representative of the insurer. Upon request of the Authority, Design Professional will furnish the Owner with any specific endorsements effecting coverage required by the contract. The endorsements are to be signed by a person authorized by insurer to bind the coverage on the insurer's behalf;

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- b. State that: "Hillsborough County Aviation Authority, members of the Authority's governing body and the Authority's officers, volunteers, agents, and its employees are additional insureds for all policies described above other than workers' compensation employer's liability and professional liability (if required by Contract)";
- c. To the extent required by Florida Department of Transportation Public Transportation Grant Agreement, state that the Florida Department of Transportation is an additional insured for commercial general liability;
- d. Indicate that the insurers for all required policies shown on the Certificate have waived their subrogation rights against the Hillsborough County Aviation Authority, members of the Authority's governing body and the Authority's officers, volunteers, agents, and its employees;
- e. Indicate that the Certificate has been issued in connection with the contract;
- f. Indicate the amount of any deductible or self-insured retention applicable to all coverages;
- g. State that the deductible or self-insured retention is the responsibility of the Design Professional; and
- h. 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;

If requested by the Owner, the Design Professional will, within 15 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 the 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.

G. Deductibles, Self-Insurance, Alternative Risk or Insurance Programs:

- 1. All deductibles, as well as all self-insured retentions and any alternative risk or insurance programs (including, but not limited to, the use of captives, trusts, pooled programs, risk retention groups, or investment-linked insurance products), must be approved by the Owner's General Counsel and Executive Vice President of Legal Affairs or designee. The Design Professional agrees to provide all documentation necessary for the Owner to review the deductible, self-insurance or alternative risk or insurance program.
- 2. The Design Professional will pay on behalf of the Owner, members of the Owner's governing body, the Owner's officers, volunteers, agents and its employees and to the extent required by the Florida Department of Transportation Grant Agreement, any deductible, self-insured retention (SIR), or difference from a fully insured program which, with respect to the required insurance, is applicable to any claim by or against

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the Owner, or any member of the Owner's governing body, or any officer, volunteer, agent, or employee of the Owner.

3. The contract by the Owner to allow the use of a deductible, self-insurance or alternative risk or insurance program will be subject to periodic review by the Director of Risk Management. If, at any time, the Owner deems that the continued use of a deductible, self-insurance, or alternative risk or insurance program by the Design Professional should not be permitted, the Owner may, upon 60 days' written notice to the company, require the Design Professional to replace or modify the deductible, self-insurance, or alternative risk or insurance program in a manner satisfactory to the Owner.
4. Any deductible amount, self-insurance, or alternative risk or insurance program's retention 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.
5. To the extent required by Florida Department of Transportation Public Transportation Grant Agreement, the commercial general liability may not be subject to a self-insured retention. Subject to approval by the Owner under sub-paragraphs 1-4 above, the commercial general liability may contain a deductible, provided that such deductible shall be paid by the named insured.

H. Design Professional's Insurance Primary:

The insurance required by the contract will apply on a primary and non-contributory basis. Any insurance or self-insurance maintained by the Owner will be excess and will not contribute to the insurance provided by or on behalf of the Design Professional.

To the extent required by Florida Department of Transportation Public Transportation Grant Agreement, the coverage afforded to the Florida Department of Transportation as an additional insured under the Commercial General Liability policy shall be primary coverage.

I. Incident Notification:

In accordance with the requirements of Standard Procedure S250.02, the Design Professional will promptly notify the Airport Operations Center (AOC) of all incidents involving bodily injury, property damage, data breach, security breach, ransomware (data theft), or an extortion threat occurring on Authority-owned property, tenant owned property or third party property.

J. Customer Claims, Issues, or Complaints:

In addition to complying with all terms outlined in Standard Procedure S250.02, all customer claims, issues, or complaints involving property damage, bodily injury, data theft, or an extortion threat related to the Design Professional will be promptly handled, addressed and resolved by the Design Professional.

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The Design Professional will track all customer claims, issues, or complaints involving property damage or bodily injury and their status on a Claims Log available for review, as needed, by Risk Management. The Claims Log should include a detailed report of the incident along with the response and/or resolution. Risk Management has the option to monitor all incidents, claims, issues or complaints where the Owner could be held liable for injury or damages.

K. Applicable Law:

With respect to any contract entered into by the Owner with a value exceeding \$10,000,000, if any required policy or program is: (i) issued to a policyholder outside of Florida or (ii) contains a “choice of law” or similar provision stating that the law of any state other than Florida shall govern disputes concerning the policy, then such policy or program must be endorsed so that Florida law (including but not limited to Part II of Chapter 627 of the Florida Statutes) will govern any and all disputes concerning the policy or program in connection with claims arising out of work performed pursuant to the Contract. The Design Professional will ensure that all contractors, subcontractors, suppliers, consultants, and subconsultants at each tier are contractually bound and remain in compliance with this provision.

L. Waiver of Subrogation:

The Design Professional, for itself and on behalf of its insurers, to the fullest extent permitted by law without voiding the insurance required by the Contract, waives all rights against the Owner, members of the Owner’s governing body and the Owner’s officers, volunteers, agents and its employees, as well as the State of Florida, Department of Transportation, including the Department’s officers and its employees for damages or loss to the extent covered and paid for by any insurance maintained by the Design Professional. The Design Professional shall require all contractors, subcontractors, suppliers, consultants and subconsultants at each tier for themselves and their insurers, to the fullest extent permitted by law without voiding the insurance required by the Contract, to waive all rights against the Owner, members of the Owner’s governing body and the Owner’s officers, volunteers, agents and its employees, as well as the State of Florida, Department of Transportation, including the Department’s officers and its employees for damages or loss to the extent covered and paid for by any insurance maintained by the Design Professional to the extent covered and paid for by any insurance maintained by the Design Professional’s contractors, subcontractors, suppliers, consultants and subconsultants at each tier. The Design Professional shall further require that all contractors, subcontractors, suppliers, consultants, and subconsultants at each tier include the following in every contract and on each policy the following:

“Hillsborough County Aviation Authority, members of the Authority’s governing body and the Authority’s officers, volunteers, agents, and its employees, as well as the State of Florida, Department of Transportation, including the Department’s officers and its employees are additional insureds for the coverages required by all policies as described above other than workers compensation and professional liability.”

M. Design Professional’s Failure to Comply with Insurance Requirements:

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1. Owner's Right to Procure Replacement Insurance

If, after the inception of this Contract, the Design Professional or any of its contractors, subcontractors, suppliers, consultants, or subconsultants fails to fully comply with the insurance requirements of the Contract, in addition to and not in lieu of any other remedy available to the Owner provided by the 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 coverage.

2. Replacement Coverage at Sole Expense of Design Professional

The entire cost of any insurance procured by the Owner pursuant to this Attachment will be paid by the Design Professional. 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 all premiums, fees, taxes, and 15% for the cost of administration.

a. Design Professional to Remain Fully Liable

The Design Professional agrees to remain fully liable for full compliance with the insurance requirements in the Contract and shall require the same of all of its contractors, subcontractors, suppliers, consultants, and subconsultants at each tier. To the extent that there is any exclusion, deficiency, reduction, or gap in a policy which makes the insurance more restrictive than the coverage required, the Design Professional agrees to remain responsible and obligated to make the Owner whole as if the Design Professional and all of its contractors, subcontractors, suppliers, consultants, and subconsultants at each tier fully met the insurance requirements of the contract.

b. Owner's Right to Terminate, Modify, or Not Procure

Any insurance procured by the Owner 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 or by any of its contractors, subcontractors, suppliers, consultants, or sub-consultants at each tier. Owner is not obligated to procure any insurance pursuant to these requirements and retains the right, at its sole discretion, to terminate or modify any such insurance which might be procured by the Owner pursuant to this Attachment.

ATTACHMENT 5

Affidavit of Compliance with Anti-Human Trafficking Laws

In accordance with Section 787.06 (13), Florida Statutes, the undersigned, on behalf of AECOM Technical Services, Inc. listed below ("Company"), hereby attests under penalty of perjury that:

1. Company does not use coercion for labor or services as defined in Section 787.06, Florida Statutes, entitled "Human Trafficking".

The undersigned is authorized to execute this Affidavit on behalf of Company.

Date: _____, 20____ Signed: _____

Entity: _____ Name: _____

Title: _____