

GOAA DATE 5/18/2022
ITEM NO. 5.B
DOCUMENTARY # 101376

**ADDENDUM NO. 43 TO AGREEMENT
DATED DECEMBER 10, 2015, BETWEEN
THE GREATER ORLANDO AVIATION AUTHORITY
AND HNTB CORPORATION**

Project: Completion of Design, Bid & Award Services for the Previously Deferred South Terminal Complex Permanent Quick Turn-Around (QTA) Facilities for W-S00110, South Terminal C, Phase 1 – Architect of Record Services, Orlando International Airport

THIS ADDENDUM is effective as of this 18th day of May, 2022, by and between the GREATER ORLANDO AVIATION AUTHORITY ("Authority") and HNTB CORPORATION ("Consultant").

WITNESSETH

WHEREAS, by Agreement dated December 10, 2015, Authority and Consultant entered into an Agreement for Consultant to provide Architect of Record for the South Terminal C, Phase I services; and

WHEREAS, under the Agreement, Consultant agreed to perform such additional professional services for Authority as are contained in any additional scope of work established by Authority in any Addendum to the Agreement and accepted in writing by Consultant; and

WHEREAS, Authority and Consultant desire to enter into this Addendum to the Agreement to provide for additional services to be rendered by Consultant under the terms of said Agreement.

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, Authority and Consultant do hereby agree as follows:

1. Consultant shall perform additional services in accordance with the terms of the Agreement and the attached Exhibit "A." Consultant shall be paid for such additional services according to the payment terms set forth in the Agreement.

2. Consultant shall be compensated for such additional services in the **LUMP SUM AND NOT TO EXCEED amount of ONE MILLION SEVENTY-SEVEN THOUSAND NINE HUNDRED FIFTY-THREE AND NO/100 DOLLARS (\$1,077,953.00)**, broken down as follows:

Professional Fees:	NTE:	\$0.00
Professional Fees:	LS:	\$1,050,233.00
Reimbursable Expenses:	NTE:	<u>\$27,720.00</u>
Total:		\$1,077,953.00

3. A. Consultant hereby certifies that it is not on the Scrutinized Companies that Boycott Israel List and is not engaged in a boycott of Israel, as defined in Florida Statutes § 287.135, as amended;

AND

B. (applicable to agreements that may be \$1,000,000 or more) - Consultant hereby certifies that it is: (1) not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List as defined in Florida Statutes § 287.135; and (2) not engaged in business operations in Cuba or Syria, as defined in Florida Statutes § 287.135, as amended.

4. Authority may terminate the Agreement for cause and without the opportunity to cure if the Consultant is found to have submitted a false certification or has been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

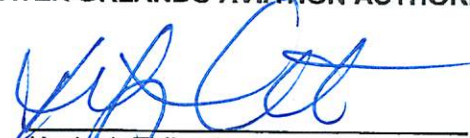
In the event the Agreement is for One Million Dollars (\$1,000,000.00) or more, Authority may terminate this Agreement for cause and without the opportunity to cure if the Consultant is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria.

5. Except as expressly modified in this Addendum, the Agreement dated December 10, 2015 and all prior addenda will remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Addendum No. 43 this 23 day of May, 20 22.

GREATER ORLANDO AVIATION AUTHORITY


By:


Kevin J. Thibault, P.E.
Chief Executive Officer

Approved as to Form and Legality
(for the benefit of GOAA only)

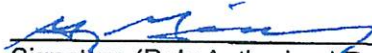
this 20 day of May, 20 22

By:


**NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority**

HNTB CORPORATION

By:


Signature (Duly Authorized Rep.)

George Gilhooley
Printed Name

Senior Vice President
Title



Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida, 32827-4392
(407) 825-2001

Memorandum

To: Members of the Construction Committee

From: Davin Ruohomaki, Senior Director Engineering & Construction
(Prepared by Christina Taylor, GCI)

Date: April 26, 2022

Re: Request for Recommendation of Approval of an Addendum to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Completion of Design, Bid & Award Services for the Previously Deferred South Terminal Complex Permanent Quick Turn-Around (QTA) Facilities for W-S00110, South Terminal C, Phase 1 – Architect of Record Services (& Major Subs) at the Orlando International Airport

On May 21, 2020, the Aviation Authority terminated the project for convenience, in accordance with Article 14.3 of the General Conditions of the Construction Contract with the contractor. Since that time, it has been discovered that the permanent QTA Facilities are needed and the Consultant's proposal, dated April 11, 2022, is to provide design, bid and award services for the previously deferred South Terminal Complex Quick Turn-Around Facilities.

If approved, these services would be effective the date of the Aviation Authority Board approval.

Consultant shall, with each monthly invoice, certify that the assigned work and services are on schedule to be completed within the contracted lump sum price, or provide at time of certification a written notice to the Aviation Authority of any deviations.

The MWBE/LDB participation has been reviewed by the Office of Small Business Development. Their findings and recommendation are attached.

Funding is from Customer Facility Charges (CFCs). Funding source verified by VHinds of Construction Finance on 04/19/22 as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Addendum to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for the services contained herein and amount as shown below:

Not to Exceed Fees	\$0.00
Lump Sum Fees	\$1,050,233.00
Not to Exceed Expenses	\$27,720.00
TOTAL	\$1,077,953.00
AAC – Compliance Review Date	<i>JSS</i> 4/12/22
AAC – Funding Eligibility Review Date	4/19/2022

HNTB Corporation
The HNTB Companies
Infrastructure Solutions

610 Crescent Executive Court
Suite 400
Lake Mary, Florida 32746

Telephone (407) 805-0355
Facsimile (866) 205-1648
www.hntb.com

HNTB

April 11, 2022

Mr. Davin Ruohomaki, MBA, CGC
Senior Director Planning, Engineering and Construction
Greater Orlando Aviation Authority
Orlando International Airport
One Jeff Fuqua Blvd.
Orlando, FL 32827-4399

Re: WS-110 South Terminal C – Phase 1, Architect of Record
Proposal for: **Completion of Design and Bid/Award Services for Deferred
Permanent Quick Turn-Around (QTA) Restart**
HNTB Job No. 61581

Dear Mr. Ruohomaki:

As you requested, HNTB Corporation (HNTB) is pleased to submit this proposal for the completion of design and bid/award services associated with the permanent QTA facility. The general scope of services includes the following:

- Creation of a new bid package
- Design associated with splitting the Family 1 building into two identical smaller structures
- Update drawings to reflect Family 4 building (smallest) shown as “Deferred” with only utility stub outs for a future build out. (No foundations)
- Design needed for roadway bridge over the existing Terminal C roadway exit
- Electrical design associated with charging provisions for electric vehicles

Specific scopes of work associated with each subconsultant are attached.

SCHEDULE:

The schedule for this work will be delivery of 100% Construction Documents within 16 weeks following receipt of NTP.

The participation for subs and the proposed lump sum design fee are as follows:

GOAA South Terminal C Phase 1					
Completion of Design and Bid/Award Services for Deferred Permanent QTA Restart					
4/11/2022					
Firm	MWBE	LDB	Lump Sum Design Fee	NTE Reimbursable Expenses	Role
HNTB Corporation			\$ 45,144		Prime Consultant: Architect of Record
Baker Barrios Architects	4.2%		\$ 7,204		Landscape Design
Prevost Stamper, Inc.			\$ 2,022		Irrigation Design
Jensen Hughes			\$ 20,184		Fire Protection Design
Rhodes & Brito Architects	56.3%		\$ 96,136		Architectural Design
Subtotal	60.5%	0.0%	\$ 170,690		
Atkins			\$ 221,206		Civil Design
Avcon, Inc.	50.4%		\$ 291,687		Civil Design Services
Geotechnical and Environmental Consultants		1.8%	\$ 10,332		Geotechnical Services
Geotechnical and Environmental Consultants		1.6%		\$ 9,020	Geotechnical Services
GPI Field				\$ 18,700	LIDAR/Survey
Stantec			\$ 55,238		Fueling Design
Subtotal	50.4%	3.3%	\$ 578,463	\$ 27,720	
C&S Engineers			\$ 5,160		Structural Design
Base		85.5%	\$ 30,408		Structural Design
Subtotal	0.0%	85.5%	\$ 35,568		
Matern			\$ 73,452		Electrical Design
Subtotal	0.0%	0.0%	\$ 73,452		
Syska Hennessy			\$ 192,060		Mechanical Design
Subtotal	0.0%	0.0%	\$ 192,060		
Total Lump Sum Fee			\$ 1,050,233		
Total NTE Fee				\$ 27,720	
Total Contract			\$ 1,077,953		
MWBE	36.6%		\$ 395,027		
LDB		4.6%	\$ 49,760		

We trust this proposal is consistent with the understanding you have and will meet with your approval. Please let me know if you would like to discuss any of its elements. We sincerely appreciate the opportunity to continue to serve the Authority.

Respectfully,

HNTB Corporation



William G. Brooks, PE
Senior Program Director

Cc: Mark Birkebak, Director of Engineering, Greater Orlando Aviation Authority

Kathy Anderson, Manager, Contracts and Grants, Greater Orlando Aviation Authority
George Gilhooley, PE, Project Principal, HNTB
J.C. Arteaga, AIA, LEED AP, Architect of Record, HNTB

Attachments: Scope Documents
Fee Tables
Truth in Negotiation Certification

EXHIBIT A
DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Permanent Quick Turnaround Facility (QTA) Project Restart

HNTB Corporation - Scope of Services

- PM leading Design Team Kick Off Meeting to confirm overall project scope for the permanent QTA
- Participate in consultant team weekly meetings to discuss coordination issues and milestone progress as required to meet deliverable dates.
- Perform QA review of all disciplines deliverables as required.
- Coordination of bid documents and addenda and distribution to potential bidders.
- Coordination of all permitting review comments/responses.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Permanent Quick Turnaround Facility (QTA) Project Restart

Baker Barrios Architects - Scope of Services

- Update backgrounds for landscape architectural plans as required to reflect updated data from architecture and civil engineer to include Permanent Quick Turnaround Facility into LSC plans.
- Update landscape architectural plans to provide plant material to screen QTA.
- Provide exterior hardscape plans, as needed, to reflect the addition of the Permanent QTA.
- Coordinate planting plans with irrigation consultant and obtain updated sheets for irrigation scope to be included in bid package.
- Perform QA/QC review of landscape, hardscape, and irrigation plans.
- Participation in consultant team coordination meetings as required.
- Provide signed and sealed plans to HNTB
- Provide updated files to HNTB
- Provide responses to bidder's questions
- Issue addendum documents, if required, during bidding/award process.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Permanent Quick Turnaround Facility (QTA) Project Restart

Jensen Hughes - Scope of Services

- Prepare Fire sprinkler drawings in accordance with FAC 61G-32-15. This included:
 - preparation of bid packages,
 - Split the northernmost building into 2 smaller structures
 - defer the 4th building and leaving only stub outs for the FP.
- Coordinate with Civil, Architecture, plumbing, Mech.
- Coordinate with Fire Alarm for tamper and pressure switches
- Respond to review comments from the City during permitting

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Permanent Quick Turnaround Facility (QTA) Project Restart

Rhodes Brito Architects - Scope of Services

GENERAL DESCRIPTION

This proposal is additional services to revise the current set of STC-P1 QTA Construction Documents that were submitted on 10/19/2018. The schedule will have a forty-eight (48) day deliverable from NTP to 100% Construction Documents. The Construction Documents will be used for Bidding/Award (assumed thirty (30) calendar days) and Permitting (assumed sixty (60) calendar days).

DESIGN PHASE SERVICES

1. **100% DESIGN DOCUMENTS:** The Designer, shall revise the 100% Construction Documents submitted on 10/19/2018 and submit a new set of 100% Construction Documents, Rhodes+Brito Architects shall continue to provide architectural drafting and design support. Participate in a Technical Review meeting with the Owner to address any comments on the Rhodes+Brito's scope of work, followed by a written response from Rhodes Brito Architects addressing any comments the Owner provided prior to commencing the Bidding and Award phase.
2. **BIDDING DOCUMENTS:** The Designer shall prepare a set of Contract Document to assist the Owner in advertising for and obtaining bids or proposals for construction. Rhodes+Brito shall attend Pre-Bid Conferences, issue Bid Addenda, respond to contractor Request for Clarification (RFC) questions during the Bidding and Award process, submitted to Architect by Engineer, etc.
3. **PERMIT DOCUMENTS:** The Designer shall prepare Permit Documents for review by the Building Official to be submitted to the City of Orlando as detailed in EDC-06 and as may be required by the BIM Implementation/Execution Plan. Permitting will be the responsibility of the HNTB. The Designer/Architect of Record (AOR) will participate in the permit submittal process, permit response, and attend all permitting meetings between the Owner and Permit Department.



Member of the SNC-Lavalin Group

**ORLANDO INTERNATIONAL AIRPORT
QTA CIVIL REDESIGN, BIDDING, AND AWARD**

Task Order Attachment "A"
SCOPE OF WORK

I. BACKGROUND AND PROJECT DESCRIPTION

ATKINS has been selected by the Greater Orlando Aviation Authority to provide civil engineering services for the WS110 South Terminal C – Phase I Landside Civil design. ATKINS will contract and be a sub-consultant to HNTB (WS110 Prime design consultant).

The ATKINS team completed 100% civil design for the Terminal C QTA facility under Task Order 09. The ATKINS team submitted 100% Construction Drawings to HNTB in March 2019. The previous QTA project was bid, awarded, and four months into construction before ultimately being canceled. GOAA has decided to restart the QTA program and complete the project to support the South Terminal C Terminal that will open summer of 2022.

The original STC QTA site is illustrated with Figure 1, while Figure 2 shows the STC QTA Redesign site plan developed by SchenkelShultz (SSA). A few key differences between the two sites include:

- The northern most family (Family 1) site will split the admin, fueling, and car wash operations into two buildings vs one.
- The middle family south of gas line (Family 4) will not be fully developed and only include stub outs for future build out.
- The service road connecting north to parking garage was previous and underpass beneath STC roadways, this crossing will now be a bridge over the STC roadways. This includes realignment of service road and new MSE walls for ramps.

The restart of the STC QTA site entails the redesign elements below:

- Revise the overall Site Development Plan
- Incorporate a new bridge over arrivals/departures roadways
- Redesign dedicated RAC Jockey Road at the north near the bridge
- Redesign most utilities (water, sewer, fuel, power, comm, and drainage) for Family 1 and redesign the fuel system for Family 1 into two separate buildings.

The QTA facility will have the same level of operational conditions as included in the 100% design documents developed under Task Order 9. The facility will include a car wash, pre-wash, vacuum, light maintenance, fueling, and fueling tanks. The facility will accommodate four (4) rental car families, with five (5) building site. The site will accommodate a 5th family (6th building) as well but remain unfinished with only utility stub out for future connection. Fencing will separate each of the QTA areas as well as throughout the site.

The QTA site shall accommodate the delivery of cars via transport and provide access for fueling trucks. All other deliveries to the site will be via panel trucks. All rental car movements will be internal to the QTA, within the guardrail along RAC Jockey Road, and in Terminal C parking garage.

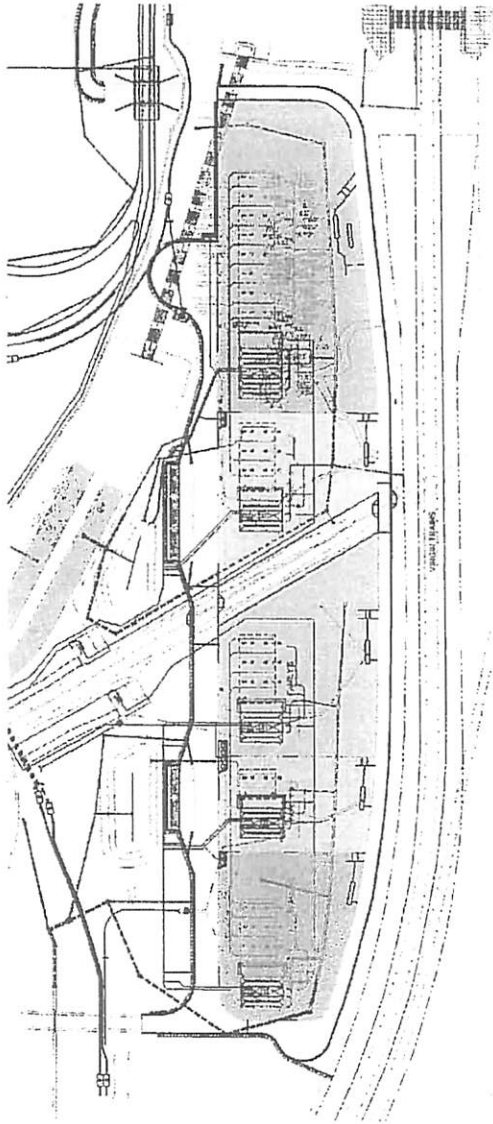


Figure 1 – Original STC QTA

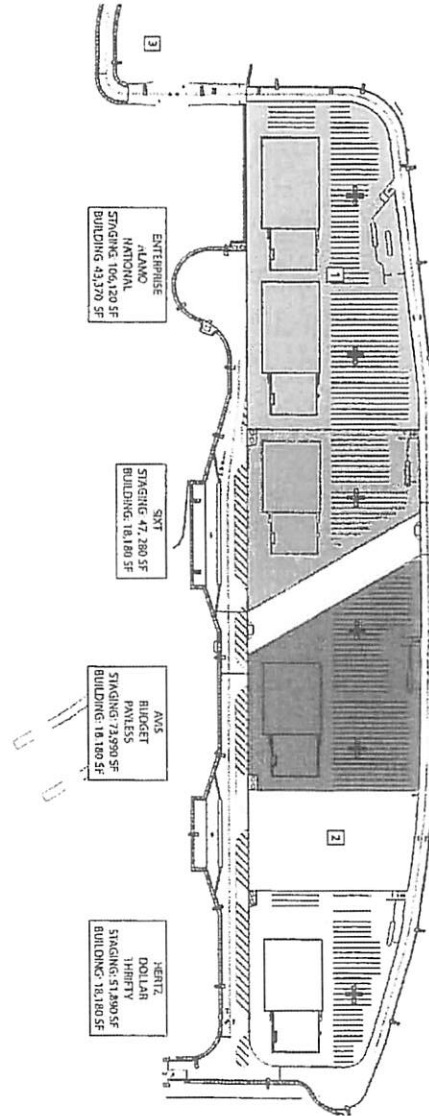


Figure 2 – STC QTA Redesign

II. SCOPE OF WORK OVERVIEW

TASK ORDERS

HNTB will authorize professional services by issuing Task Orders which will describe the scope of work, schedule, compensation, and conditions under which the services will be performed.

DESCRIPTION OF SERVICES



Member of the SNC-Lavalin Group

**ORLANDO INTERNATIONAL AIRPORT
QTA REDESIGN, BIDDING, AND AWARD**

ATKINS will self-perform, or furnish through subcontracts, professional services as described in this Task Order to complete the civil engineering redesign of the WS110 South Terminal C – Phase I Quick Turnaround (QTA) Rental Car (RAC) facility at the new site shown in Figure 2. This complete redesign will incorporate to the extent applicable the design and efforts performed under Task Order 9 (TO 9). Following completion of this design, ATKINS will assist with bidding and award phase services.

The following services for this **Task Order** are authorized by the scope of work and are more specifically described in **SECTION III** and **SECTION IV**.

- Detailed redesign services for the South Terminal C – Phase I QTA Facility
- Bidding and award phase services

SCHEDULE

- The detailed design work is scheduled to commence on NTP
- Topographic and Surface Survey NTP + 8 weeks
- Subsurface Investigation & Geotechnical Report Delivery NTP + 8 weeks
- 95% Submittal to HNTB NTP + 11 weeks
- 95% GOAA TRT Review Complete NTP + 12 weeks
- 100% Submittal to HNTB NTP + 15 weeks
- Bidding and Award: 30 Days

SUBCONSULTANTS

The following subconsultant firms will perform services on this task order:

Firm	Role
AVCON	Power, Communications and Access Control Signage & Pavement Marking QTA Roadway and Parking Lighting QTA Concrete Pavement (Design, Details, & Joints) QTA Bridge and Walls Plans for Jockey Road Oil/Water Separators (Storm & Sanitary)
STANTEC	Fuel System Underground Storage Tank (UST) Fueling Area Vehicle Fuel System/ Distribution and Associated Fuel System Electrical
Geotechnical and Environmental Consultants, INC. (GEC)	Subsurface Investigation, Testing, and Geotechnical Report
GPI Geospatial, Inc.	Aerial LiDAR Mapping

FORMAT OF DELIVERABLES

All deliverables will consist of electronic files on CD or submitted via ftp (no hard copies). Drawings will be produced in Autodesk Civil 3D or Revit (2020 or newer) and be compliant with GOAA CADD standards.

III. LUMP SUM TASKS AND NTE REIMBURSABLE EXPENSES TASKS (GEC/GPI FIELD WORK, GEC LAB WORK)

This section presents the specific lump sum work tasks and activities to be undertaken in this Scope of Work.

and not to exceed
reimbursable expense

PROJECT MANAGEMENT

ATKINS will assign management staff and technical specialists necessary to administer this assignment in accordance with contract terms and conditions, to facilitate and coordinate efforts of the ATKINS team, facilitate decision making, develop technical solutions, coordinate the process of engaging stakeholders and to support invoicing, document management, scheduling, cost, and project controls.

The Project Management scope includes the management and administration of professional services performed by ATKINS. This task includes the following activities:

- Management and coordination of sub-consultants and subconsultant invoices
- Prepare and submit monthly project invoices and supporting documentation to HNTB
- Scheduling and cost controls to facilitate the performance of professional services

These activities will be led by the Project Manager with support from designated project document controls staff and project administrative assistants as needed.

Deliverables:

- Status Reports and schedule updates
- Invoices and back-up documentation

MEETINGS AND COORDINATION

A. 95% Construction Documents - Weekly Coordination Meetings

B. 100% Construction Documents - Weekly Coordination Meetings

The Atkins team recognizes the schedule challenges of this project and the desire to skip interim 30% and 60% submittals. However, to minimize re-work or concept changes our assumption for this project is that we will hold a working session with HNTB and GOAA to confirm approach with a 30% Schematic Site Plan review. This 30% site plan will include updates to the site reflecting changes from previous QTA design.

QUALITY ASSURANCE AND CONTROL

ATKINS will assign management staff and technical specialists necessary to develop a Quality Assurance/Quality Control (QA/QC) Plan specifically for this project. ATKINS will coordinate with HNTB on the final draft of this plan. During the project, ATKINS will provide internal quality control reviews at each major deliverable by independent in-house technical experts. Review comments.

responses, action items and final directives will be summarized and distributed to reviewers. ATKINS will provide HNTB periodic updates demonstrating compliance with the Plan.

Deliverables:

- QA/QC Records / summary documents.

TOPOGRAPHIC SURVEY SERVICES

The previous QTA project was approximately four months into construction before being canceled. Some elements that were partially completed include earthwork/site prep, storm drainage, and building foundations. To confirm existing conditions for this QTA redesign, supplemental survey services are necessary.

The scope of services for the supplemental Survey Services includes the collection of the topographic data within the limits illustrated in Figure 3. The scope also includes verification and consolidation with survey and as-built data already collected from previous QTA project and adjacent STC Landside Civil (LSC) projects.

Survey Scope Item 1 – Ground Control & Aerial Topographic Mapping (Atkins) and (GPI)

- a) We propose to set secondary control points along the perimeter of the site based upon the primary site control previously established for the project.
- b) Atkins will subcontract with GPI Geospatial, Inc. (GPI) to perform Aerial LiDAR mapping.
- c) Atkins surveyors will set horizontal and vertical control around the project limits sufficient allow (GPI) to set targets and perform and produce the mapping at a scale of 1" = 40'.
- d) As a part of their mapping, GPI will extract items such as: roads, retention ponds, storm drainage ditches, and any topology changes such as grade breaks.
- e) Atkins will perform ground truthing by measuring check cross sections and test profiles.
- f) Atkins will also measure storm structure details such as: culvert size, type, and invert elevation.

Survey Scope Item 2 – Surface Utility Location Survey

- a) Surface utility features such as poles, manholes, transformers, valves, fire hydrants, vaults, risers and meter boxes will be located.

Survey Scope Item 3 – Deliverable Creation

- a) The final deliverable will consist of AutoCAD Civil3D topographic survey files with DTM, suitable for plotting at 1" = 40' scale. These files will show spot elevations, contour lines, topographic features and utility features within the limits of the survey.
- b) An orthographic photo of the site will also be provided.

Survey Notes and Assumptions

1. The client will provide Atkins with copies of previous surveys and as-built plans within the project site together with any CADD files of same.
2. Measuring Pond bottom elevations is not included in this proposal.
3. The purpose of these services is to provide a topographic design and utility survey only and not a boundary survey, right of way survey or any other kind of survey beyond what is described in Scope Items 1 thru 3.

4. Subsurface utility designation and location is not a part of the scope of this proposal and will be considered an additional service.

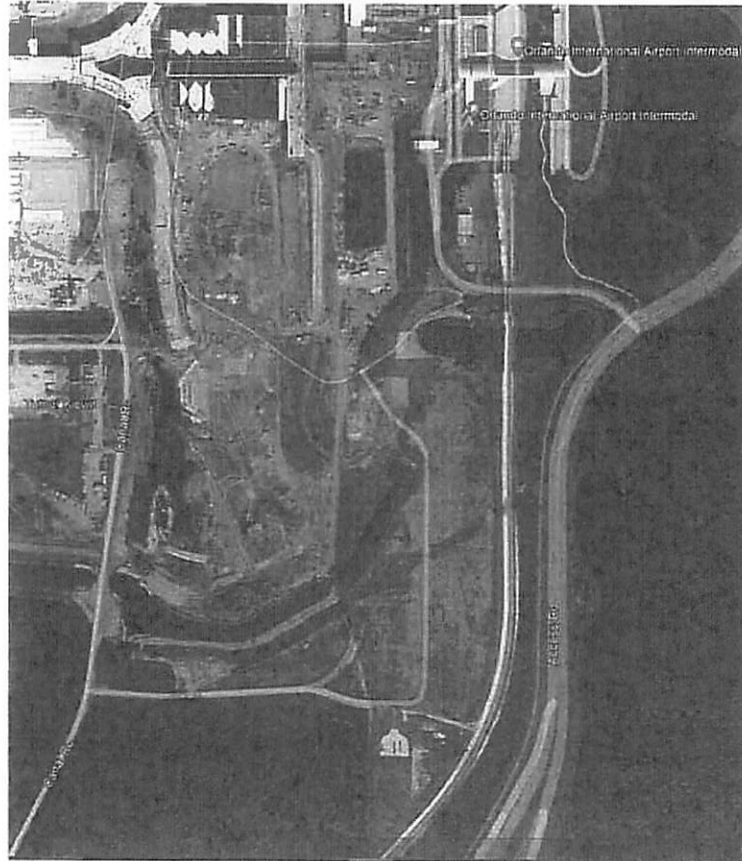


Figure 3 – Survey Limits

Deliverables:

- Digital terrain models of all ground surface areas will be created to show contours at a one-foot interval, any slopes or grade breaks pertinent to this terrain will be identified and included in the DTM.
- AutoCAD C3D base file drawing showing the various spot shots, contour lines, topographic features, and utility features within the limits of the survey.

GEOTECHNICAL SERVICES (GEC)

Supplemental subsurface investigation and testing are needed to determine the geotechnical characteristic of the new bridge crossing and MSE wall ramps for the QTA Site. GEC will perform a four (4) Standard Penetration Test (SPT's) and associated laboratory tests to supplement and amend the previous geotechnical report that was prepared for the QTA site.

Deliverables:

- Geotechnical Report.

CIRCULATION / ACCESS ROADWAY DESIGN ANALYSIS FOR HORIZONTAL, VERTICAL ALIGNMENTS, PAVEMENT DESIGN, TYPICAL SECTIONS, AND CROSS SECTION LAYOUT (ATKINS)

The scope of work is anticipated to be similar and to the level provided in the Geometric Layout Plans submitted under Task Order 9.

The restart of the STC QTA requires the redesign of the northern portion of the jockey roadway and geometry elements to account for the revised vertical geometry of arrivals/departures roadway and the elimination of the jockey roadway underpass.

The scope of work includes the development of the horizontal and vertical geometry for the proposed roadway improvements including access roads and circulation roads within the QTA site. Coordination with the adjacent South Terminal C – Phase I project will be required to ensure the QTA access and internal roads match with the current construction. Roadway laneage, widths, weave distances, merges, design speeds, queue laneage, and distances will be coordinated with the previous traffic analysis.

Based on the new concept, the QTA RAC jockey road will be required to go over the STC arrivals/departures roadways and continue north and tie into the garage RAC roads.

Plans production will include plan and profile sheets, project layout, curve and coordinate data sheet, typical sections including pavement designs, gore/ramp detail sheets, special detail sheets (such as intersection details) as necessary, cross-section sheets with sections cut at 100' intervals. Design documentation will be included with the design report. The design documentation will include horizontal and vertical geometrics, superelevation calculations, and pavement design calculations (this list is not meant to be all inclusive).

The roadway construction plans will be presented in the 95% and 100% Construction Drawings. At each phase submittal coordination with GOAA staff to ensure the project is consistent with the current concept for the South Terminal Complex C.

Deliverables:

- Geometric Layout Plans will be presented in the 95% and 100% Construction Drawings

PAVEMENT DESIGN (AVCON)

The scope of work is anticipated to be similar and to the level provided in the pavement plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

QTA Concrete Pavement Design:

The concrete pavement redesign effort to verify and develop new details as needed includes the following:

- a. Thickness and strength of concrete
- b. Base and Sub-base materials
- c. Special Jointing details

- d. Reinforcement Design and Details
- e. Special Jointing Details
- f. Penetration Details
- g. Bollard Details
- h. Typical Section

QTA Concrete Jointing

The redesign scope of work includes the jointing plan for concrete pavement elements below.

- a. Type, dimensions, and Location of Joints
- b. All penetrations (Penetrations to be provided in X-Ref CAD from other disciplines)
- c. Identification of concrete type, thickness, and reinforcement

Deliverables:

- Jointing Plans will be presented in the 95%, and 100% Construction Drawings.
- Typical Section Sheet will be presented in the 95%, and 100% Construction Drawings.
- Concrete Pavement Details will be presented in the 95%, and 100% Construction Drawings.

GRADING DESIGN (ATKINS)

The scope of work is anticipated to be similar and to the level provided in the grading plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

The scope of work includes the development of the civil digital terrain models for the QTA site. The grading includes all parking areas, roadways, drainage features, and building pads for all structures within the designated QTA civil footprint. Detailed coordination will be required with HNTB to determine the finished floor elevations of all facilities.

Information deemed necessary for the construction of the surface grading will be shown in the construction drawings. Pavement elevation plans will also be established and in accordance with GOAA/FDOT design standards and incorporated into the Construction Drawings in conjunction with the roadway and parking lot plans.

Deliverables:

- Grading Plans will be presented in the 95%, and 100% Construction Drawings.
- Elevation Plans will be presented in the 95%, and 100% Construction Drawings.

DRAINAGE DESIGN AND PERMITTING (ATKINS)

The scope of work is anticipated to be similar and to the level provided in the drainage plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

ATKINS will provide drainage and stormwater permitting services for the QTA site as redesigned. The project area for the QTA facility remains south of the APM/ITF Complex and the previously permitted Pond ST70. The All-Aboard Florida (BrightLine) rail facility and proposed power substation are adjacent to the project site. The easement for the gas line bisects the site. The stormwater pond design will remain unchanged from the permitting completed under Task Order 9. Site drainage will continue to take into consideration the wash bays and fueling areas and direct pre-treatment areas

to the project ponds. Oil/water separators are anticipated in the design.

Key Points:

- The changes to Family 1 will shift areas that require pretreatment in the project ponds. It is anticipated the land coverage for the divided fueling will not change significantly to impact the treatment pond design. It is anticipated there will be documentation of project changes to the previously obtained South Florida Water Management District (SFWMD) permit obtained for the QTA facility. For the purpose of schedule constraints, correspondence with SFWMD will focus on As-built. Project Certification documentation to address the changes to permit assumptions.
- GOAA will pay all required permit fees. The ATKINS team will aid GOAA to obtain the ERP permit modification and required City permits. The Contractor will obtain the required construction, NPDES and dewatering permits.
- Erosion control details, stormwater pollution prevention construction plan (SWPPP) and permanent best management practices (BMPs) will be outlined for the project.
- The project does not require any major studies, i.e., EIS, EA, DRI Update, or FEMA involvement. County or City Permits for the stormwater management system or the stormsewer conveyance is not anticipated.
- Drainage design effort does not include permitting activities for air, wastewater, potable water, temporary drainage conditions, dewatering, petroleum storage, or listed species.

Deliverables:

- Drainage calculations, report, and plans will be presented in the 95% and 100% documents.
- SWPPP and BMP plans will be presented in the 95% and 100% documents.

ROADWAY SIGNAGE, AND PAVEMENT MARKING (AVCON)

The scope of work is anticipated to be similar and to the level provided in the signage and pavement marking plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

The scope of work includes the signing and pavement marking complete design for the Roadway at the STC QTA site.

Roadway Signing & Pavement Marking Key Points:

- The signage design will use a combination of MUTCD, ACRP and FDOT design guidelines. When applicable, the design will also use standard GOAA materials, colors and font sizes for the wayfinding signs that were developed as part of BP 354.
- Pavement markings will conform to FDOT and GOAA standards.
- Signing and Pavement Marking Plans will not be provided within the RAC allocated areas for the individual QTA parking, stacking, associated circulation and access driveways and roads. Signage and marking for traffic movement from the common RAC Roadway into the individual RAC Sites are also excluded.

Deliverables:

- QTA signage, and pavement marking drawings, detail, and updated specifications will be presented in the 95% and 100% Construction Drawings Submittals

QTA ROADWAY AND PARKING LIGHTING (AVCON)

The scope of work is anticipated to be similar and to the level provided in the lighting plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

The scope of work includes the coordination of the Conceptual Layout with HNTB and the ATKINS Team to validate and verify the QTA preliminary lighting requirements at the new site and develop the Conceptual Lighting Plans. The work includes complete design of the roadway and parking lighting.

Lighting design will be based on OUC standards; no lighting report will be provided.

The lighting redesign effort includes the following areas:

- QTA Access Road / Jockey Road lighting
- QTA Parking and staging area lighting

Deliverables:

- Lighting design Plans, details, and specification will be presented in the 95%, and 100% Construction Drawings.

OIL/WATER SEPARATOR (AVCON)

The scope of work is anticipated to be similar and to the level provided in the oil/water separator plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

The redesign effort includes the update of details and specifications, as well as verification and adjustment of the size of the Oil/Water Separators below. The redesign is based on a single vendor/manufacturer that will be specified by GOAA.

- Car wash water overflow connected to the sanitary sewer.
- Fuel Dispensers concrete pavement area drains connected to the stormwater.

Deliverables:

- Oil/Water Separator details sheet and specification will be presented in the 95%, and 100% Construction Drawings.

UTILITIES - FIRE WATER, POTABLE WATER, AND SANITARY SEWER SYSTEM (ATKINS)

The scope of work is anticipated to be similar and to the level provided in the utility plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

The scope of work includes the development of proposed utilities to serve the South Terminal C –

Phase I QTA Facility. The utilities covered under this scope of services include firewater, potable water, and sanitary sewer for the proposed facilities included within the QTA scope. The civil design of these utilities will end approximately 5 feet from the proposed structures. Flow demand and tie in locations at the facilities will be provided by other team members.

Utilities will be designed to meet industry standards, local standards, and other specific site requirements. Utilities which are to be owned by local utilities (City of Orlando and Orlando Utilities Commission) will be designed to meet the utilities' design standards. Utility design shall meet the proposed facility needs on the local site only and will not include any capacity for other unrelated future projects. The team will coordinate with the local utility owner(s) to meet the design standards and to obtain system pressure/flow information, as provided by the utility. Pipeline sizing/hydraulic modeling will be provided for the new and immediately adjacent supply mains only, utilizing flow data as provided by the utility owner. Where necessary, fire hydrant flow tests can be coordinated with the owner to obtain flow data.

Permitting efforts with various agencies will be conducted to permit the construction of the proposed utilities. The water and wastewater utility systems will be submitted to the Florida Department of Environmental Protection (FDEP), the City of Orlando and OUC for approval.

The Contractor will pay all required permit fees. The ATKINS team will aid the Contractor to obtain the permits.

For this scope of services, the following is assumed:

- The proposed utilities (firewater, potable water, and sanitary sewer system) for the QTA will be independent of the proposed utilities for the WS110 South Terminal C – Phase I Landside Civil design.
- A new water main, gravity sanitary sewer system, lift stations, and force mains will be designed to connect to existing utilities constructed under the South Terminal C project.
- At the new STC QTA site, two (2) additional sanitary lift stations and associate force mains (FM) will be required to connect to the force main relocated under the South Terminal C project.

Deliverables:

- Utility Plans will be presented in the 95% and 100% Construction Drawings

POWER, COMMUNICATIONS AND ACCESS CONTROL (AVCON)

The scope of work is anticipated to be similar and to the level provided in the QTA power, communications and access control plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

The scope of work includes the coordination of the Conceptual Power, Communications and Access Control Layout with HNTB and the ATKINS Team to develop the QTA preliminary system requirements at the new site. The work includes the complete design of the Power, Communications, and Access Control elements for the new QTA facility.

Deliverables:

- QTA power, communication, and access control drawings and detail will be presented in the 95% and 100% Construction Drawings Submittals
- QTA power, communication, and access control updated specifications will be presented in the 95% and 100% Construction Drawings Submittals.

CARWASH AND VACUUM AND OTHER QTA SERVICES

The scope of work does not anticipate additional effort beyond the level provided in the QTA Equipment plans and specifications submitted under Task Order 9. The redesign scope understanding assumes that the similar building layout and configuration in the original QTA site will be used at the relocated site. The QTA site will use a similar building design. Therefore, the scope is based on the understanding that the Carwash, Vacuum, Compressed air, WWF details will carry over to the new QTA Site, or GOAA will select a vendor prior to design and then the specific vendors will coordinate directly with the architect without any participation by the ATKINS Team.

Deliverables:

- None

CONSOLIDATED QTA FUEL SYSTEM (STANTEC)

The scope of work is anticipated to be similar and to the level provided in the fueling plans submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

Stantec will perform the scope of services for the redesign of the fuel system to develop Construction Documents for the QTA site. The STC QTA site illustrated in Figure 2 above will require the redesign of the fueling system for Family 1 by splitting the fuel dispensing points into two separate independent QTA buildings for the purposes of future allocation flexibility. The fueling design includes, but is not limited to the following elements:

- Two (2) separate UST fueling areas to avoid underground fuel piping to run across a gas easement.
- Two vehicle fuel systems: one that services Families 1 (with two separate sites) and 3, and a separate vehicle fuel system that serves Families 2, and 5. Family 4 will be removed from the plans and replaced with a design that allows for future development/buildout of the site.
- Both fuel systems and all facilities will be monitored in a centralized location by a third-party fuel manager

Deliverables:

- Fueling Facility Plans will be presented in the 95%, and 100% Construction Drawings

STRUCTURAL DESIGN FOR BRIDGE & WALLS (AVCON)

AVCON will perform the scope of services for the design of a 100-foot-long bridge to carry QTA Jockey Road over the STC Roadways. The bridge is assumed to be a concrete beam bridge with a single span, two lanes plus minimum shoulder width.

Structural design elements and key design points include the following:

- a. Prepare a Bridge Conceptual Design for Review and approval of configuration
- b. Prepare Superstructure and Substructure Structural Calculations

- c. Plans will include the following (95%/100%):
 - i. General Plan and Elevation
 - ii. Bridge Typical Section
 - iii. Framing Plan
 - iv. Foundation Plan
 - v. Deck Grading Plan
 - vi. End Bent Details
 - vii. Beam Schedule and Details
 - viii. Miscellaneous Details
- d. Retaining Walls and Wing Walls
 - ix. The overpass will require walls on the approach roadways
 - x. Retaining Wall Calculations
 - xi. Horizontal Geometry Plan
 - xii. Vertical Control Wall Drawing
 - xiii. Retaining Wall details

Deliverables:

- Elevated Bridge & Wall Plans and specification will be presented in the 95% and 100% Construction Drawings.

CONSTRUCTION DRAWINGS (ATKINS, AVCON, STANTEC)

The scope of work is anticipated to be similar and to the level provided in the construction drawings submitted under Task Order 9 but updated to reflect the new site plan shown in Figure 2.

- Cover Sheet & Index
- General & Environmental Notes
- Overall Site Plan & Survey Control
- Existing Conditions & Demolition Plan
- Site Geometry & Pavement Plan
- Typical Sections & Intersection Grading Details
- Roadway Cross Sections
- Grading & Drainage Plan
- Drainage Structures & Details
- Erosion Control Plan
- Soil Survey
- Utilities Plan
- Sanitary & Water Profiles & Details
- Lift Station Site Plan & Details
- Signing & Marking Plan
- Fencing Plan & Details
- Concrete Jointing & Elevation Plan
- Site Lighting & Photometrics
- Site Fiber & Electrical
- Fueling Piping Plan & UST Sump Piping
- Fuel System Schematic
- Fuel Island Details

- Fuel System Electrical Plan & Details
- Bridge & Ramp Structural Plan & Details

Deliverables:

- Construction Drawings will be presented in the 95% and 100% submittals.

SPECIFICATIONS (ATKINS, AVCON, STANTEC)

The scope of work is anticipated to be similar and to the level provided in the specifications submitted under Task Order 9. Specification will be updated as necessary.

The scope of work consists of the compilation and development of construction specifications and bid documents. The GOAA standard "front end" documents will be developed by GOAA. Technical specifications will conform to the most current version of the GOAA, City standards, and FDOT. If standard GOAA/City/FDOT technical specifications are not available for a particular construction item, ATKINS will create the necessary technical specification. One set of Construction Specifications will be prepared for each bid package as outlined above.

Deliverables:

- Construction Specifications will be presented in the 95% and 100% submittals

DESIGN REPORT (ATKINS, AVCON, STANTEC)

The scope of work is anticipated to be similar and to the level provided in the design report submitted under Task Order 9. The design report will be updated as necessary.

Deliverables:

- Electronic copies of the Engineer's Report will be provided in the 100% submittals

BIDDING & AWARD (ATKINS, AVCON, STANTEC)

The scope of work consists of the completion of bid package (100% plans and specs) and assistance during the bidding process. This includes:

- Preparing Horizontal Permitting package and addressing review comments.
- Attending pre-letting/pre-bid meeting.
- Addressing contractor questions with bid addenda as necessary.

Deliverables:

- 100% Issued for Bid Set
- Bid Addenda

ITEMS NOT IN THE CIVIL SCOPE OF WORK

In addition to the limitations of the scope of work previously described, the following are **not** in the ATKINS team scope of services:

- Landscape architectural services
- Architectural Buildings for QTA
- Architectural amenities for the QTA Facility (i.e., awnings/canopies)



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**ORLANDO INTERNATIONAL AIRPORT
QTA REDESIGN, BIDDING, AND AWARD**

- MEP Design. – All utilities (power, comm. water, sanitary) will end 5' from buildings.
- Construction Phasing, MOT, Traffic Control Plans – Contractor is responsible for construction phasing and associated MOT.
- Traffic Analysis Studies
- Construction cost estimating services. It is assumed project will be bid lump sum.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Permanent Quick Turnaround Facility (QTA) Project Restart

C&S Engineers, Inc. - Scope of Services

- Restart the QTA project, which consists of splitting the Family 1 building into two separate identical buildings, adding demo sheets for any foundations that can no longer be used and would interfere with construction and revising the set to reflect the new bid package number.
- It is our understanding that items listed below are to be submitted under the original Permit and Building Code, as BULLETIN-QTA-002.
- Design of the CMU, tie beams, foundations, slabs-on-grade, and hollow core plank callouts and connection information for two new building layouts. Our understanding is also that the Family 4 building is to be deferred, therefore denoted by hatching and noted this way.
- BIM modeling and drafting work is to include this information in the drawing set for submittal for Permit. Some previous sections and details may be able to be reused however we anticipate new and/or revised sections and details to be necessary.
- It is our understanding that all changes and additions to the previous set of drawings to be clouded under BULLETIN-QTA-002.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

STC P1X Permanent QTA (Design)

Matern Professional Engineering - Scope of Services

- Prepare 95% Power and Lighting Plans to split Family 1 building into two identical buildings and show deferral of Family 4 building.
- Upgrade infrastructure for revised EV charging.
- Attend 95% TRT Meeting.
- Resolve Comments resulting from TRT Meeting.
- Produce and Distribute Bid Addenda items.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Permanent Quick Turnaround Facility (QTA) Project Restart

Syska Hennessy Group Design - Scope of Services

- HVAC Design for the QTA based on Latest Program and Space Planning.
- Make -up Exhaust Systems
- 24/7 HVAC for control Rooms and IDF Rooms
- Domestic Hot & Cold-Water System
- Diesel Fuel system for generator.
- Sanitary and Storm Drainage Systems
- Coordination with design team, GOAA, and operators as applicable.
- Attend Design Meetings
- Obtain approval from City of Orlando.

Permanent Quick Turnaround Facility (QTA) Project Restart

Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		Avg Rate
				GOAA Approved Bill Rate	Fees	
1 Permanent Quick Turnaround Facility (QTA) Project Restart	HNTB Corporation	Sr. Project Manager	216.00	\$209.00	\$45,144.00	\$209.00
Sub-Total			216.00		\$45,144.00	\$209.00
Total			216.00		\$45,144.00	\$209.00

Permanent Quick Turnaround Facility (QTA) - Project Restart

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Bill Rate	Fees	
1	Permanent Quick Turnaround Facility (QTA) - Project Restart	Baker Barrios Architects, Inc.	Landscape Project Manager	48.00	\$143.00	\$6,864.00	\$143.00
2	Permanent Quick Turnaround Facility (QTA) - Project Restart	Baker Barrios Architects, Inc.	Landscape Architect	4.00	\$85.00	\$340.00	\$85.00
3	Permanent Quick Turnaround Facility (QTA) - Project Restart	Prevost Stamper Inc. - Irrigation	Principal	6.00	\$149.00	\$894.00	\$149.00
4	Permanent Quick Turnaround Facility (QTA) - Project Restart	Prevost Stamper Inc. - Irrigation	Senior Irrigation Designer	24.00	\$47.00	\$1,128.00	\$47.00
Sub-Total				82.00		\$9,226.00	\$112.51
Total				82.00		\$9,226.00	\$112.51

Permanent Quick Turnaround Facility (QTA) - Project Restart

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		
					GOAA Approved Bill Rate	Fees	Avg Rate
1	Permanent Quick Turnaround Facility (QTA) - Project Restart	Jensen Hughes	QA/Sr. Principal Engineer	8.00	\$280.00	\$2,240.00	\$280.00
2	Permanent Quick Turnaround Facility (QTA) - Project Restart	Jensen Hughes	Sr. Project Manager (FP)	8.00	\$280.00	\$2,240.00	\$280.00
3	Permanent Quick Turnaround Facility (QTA) - Project Restart	Jensen Hughes	Senior Fire Protection Engineer	40.00	\$203.00	\$8,120.00	\$203.00
4	Permanent Quick Turnaround Facility (QTA) - Project Restart	Jensen Hughes	Staff Fire Protection Engineer	48.00	\$158.00	\$7,584.00	\$158.00
Sub-Total				104.00		\$20,184.00	\$194.08
Total				104.00		\$20,184.00	\$194.08

Permanent Quick Turnaround Facility (QTA) - Project Restart

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM FEES		Avg Rate
					GOAA Approved Bill Rate	Fees	
1	Permanent Quick Turnaround Facility (QTA) Project Restart	Rhodes & Brito Architects, Inc.	Principal	8.00	\$203.00	\$1,624.00	\$203.00
2	Permanent Quick Turnaround Facility (QTA) Project Restart	Rhodes & Brito Architects, Inc.	Sr. Project Manager	136.00	\$170.00	\$23,170.00	\$170.00
3	Permanent Quick Turnaround Facility (QTA) Project Restart	Rhodes & Brito Architects, Inc.	Architect III	480.00	\$110.00	\$52,800.00	\$110.00
4	Permanent Quick Turnaround Facility (QTA) Project Restart	Rhodes & Brito Architects, Inc.	Architect II	220.00	\$72.00	\$15,840.00	\$72.00
5	Permanent Quick Turnaround Facility (QTA) Project Restart	Rhodes & Brito Architects, Inc.	Senior Project Administrator	16.00	\$106.00	\$1,696.00	\$106.00
6	Permanent Quick Turnaround Facility (QTA) Project Restart	Rhodes & Brito Architects, Inc.	Clerical	16.00	\$66.00	\$1,056.00	\$66.00
Sub-Total				876.00		\$96,136.00	\$109.74
Rhodes+Brito Total				876.00		\$96,136.00	\$109.74

Permanent Quick Turnaround Facility (QTA) - Project Restart (Design)

LUMP SUM							
Item	Scope	Firm	GOAA-Approved Job Classification	Hours	GOAA Approved Rate	Fees	Avg Rate
1	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Principal	2.00	\$279.00	\$558.00	\$279.00
2	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Practice Director	8.00	\$289.00	\$2,312.00	\$289.00
3	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Sr. Technical Professional IV	128.00	\$241.00	\$30,848.00	\$241.00
4	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Senior Engineer	315.00	\$191.00	\$60,165.00	\$191.00
5	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Project Engineer	400.00	\$147.00	\$58,800.00	\$147.00
6	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Engineer	300.00	\$112.00	\$33,600.00	\$112.00
7	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Sr Designer	170.00	\$137.00	\$23,290.00	\$137.00
8	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Senior Surveyor (PSM)	7.00	\$151.00	\$1,057.00	\$151.00
9	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Surveyor	3.00	\$107.00	\$321.00	\$107.00
10	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Survey Technician	20.00	\$80.00	\$1,600.00	\$80.00
11	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	2-Person Integrated Survey Crew	43.00	\$173.00	\$7,439.00	\$173.00
12	Permanent Quick Turnaround Facility (QTA) - Project Restart	ATKINS North America, Inc.	Clerical	16.00	\$76.00	\$1,216.00	\$76.00
13	Permanent Quick Turnaround Facility (QTA) - Project Restart	GPI Geospatial, Inc	Field Aerial LiDAR and Processing	N/A	N/A	\$18,700.00	N/A
14	Permanent Quick Turnaround Facility (QTA) - Project Restart	AVCON, INC.	Sr. Project Manager	56.00	\$236.00	\$13,216.00	\$236.00
15	Permanent Quick Turnaround Facility (QTA) - Project Restart	AVCON, INC.	Project Manager	379.00	\$197.00	\$74,663.00	\$197.00
16	Permanent Quick Turnaround Facility (QTA) - Project Restart	AVCON, INC.	Senior Engineer	668.00	\$144.00	\$96,192.00	\$144.00
17	Permanent Quick Turnaround Facility (QTA) - Project Restart	AVCON INC.	Project Engineer	728.00	\$114.00	\$82,992.00	\$114.00
18	Permanent Quick Turnaround Facility (QTA) - Project Restart	AVCON, INC.	Sr. CADD Designer	213.00	\$106.00	\$22,578.00	\$106.00
19	Permanent Quick Turnaround Facility (QTA) - Project Restart	AVCON, INC.	Administrative	31.00	\$66.00	\$2,046.00	\$66.00
20	Permanent Quick Turnaround Facility (QTA) - Project Restart	Geotechnical and Environmental Consultants, Inc	Chief Engineer	12.00	\$203.00	\$2,436.00	\$203.00
21	Permanent Quick Turnaround Facility (QTA) - Project Restart	Geotechnical and Environmental Consultants, Inc.	Project Engineer	40.00	\$131.00	\$5,240.00	\$131.00
22	Permanent Quick Turnaround Facility (QTA) - Project Restart	Geotechnical and Environmental Consultants, Inc.	CADD Designer	16.00	\$79.00	\$1,264.00	\$79.00
23	Permanent Quick Turnaround Facility (QTA) - Project Restart	Geotechnical and Environmental Consultants, Inc.	Engineering Technician	16.00	\$60.00	\$960.00	\$60.00
24	Permanent Quick Turnaround Facility (QTA) - Project Restart	Geotechnical and Environmental Consultants, Inc	Clerical	8.00	\$54.00	\$432.00	\$54.00
25	Permanent Quick Turnaround Facility (QTA) - Project Restart	Geotechnical and Environmental Consultants, Inc.	Field and Lab Work Refer to attached breakdown.	N/A	N/A	\$9,020.00	N/A
26	Permanent Quick Turnaround Facility (QTA) - Project Restart	Stantec Consulting Services, inc.	Principal Fuel System Manager	28.00	\$211.00	\$5,908.00	\$211.00
27	Permanent Quick Turnaround Facility (QTA) - Project Restart	Stantec Consulting Services, Inc.	Senior Fuel System Project Manager	60.00	\$187.00	\$11,220.00	\$187.00
28	Permanent Quick Turnaround Facility (QTA) - Project Restart	Stantec Consulting Services, inc.	Fuel System Design Director	34.00	\$715.00	\$7,310.00	\$215.00
29	Permanent Quick Turnaround Facility (QTA) - Project Restart	Stantec Consulting Services, inc.	Senior Fuel System Engineer	140.00	\$122.00	\$17,080.00	\$122.00
30	Permanent Quick Turnaround Facility (QTA) - Project Restart	Stantec Consulting Services, inc.	Fuel System Electrical Consultant / Engineer	100.00	\$103.00	\$10,300.00	\$103.00
31	Permanent Quick Turnaround Facility (QTA) - Project Restart	Stantec Consulting Services, inc.	Fuel System Consultant / Engineer	38.00	\$90.00	\$3,420.00	\$90.00
				Sub-Total	3,979.00	\$606,183.00	\$152.35
*NTE REIMBURSABLE EXPENSE							
Total				3,979.00		\$606,183.00	\$152.35

GEC Field & Lab Work

QTA	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Cost</u>	
1	Field Investigation				
	Truck Rig Mobilization	each	0	\$500.00	\$0.00
	Mudbug Rig Mobilization	each	1	600.00	600.00
	Track Rig Mobilization	each	0	4,000.00	0.00
	Auger Borings - Truck (0 to 50 feet deep)	feet	0	11.50	0.00
	Auger Borings - Mudbug (0 to 50 feet deep)	feet	0	14.38	0.00
	SPT Borings - Truck				
	0 to 50 feet	feet	0	15.00	0.00
	50 to 100 feet	feet	0	19.00	0.00
	100 to 150 feet	feet	0	25.00	0.00
	SPT Borings - Mudbug (4 @ 50)				
	0 to 50 feet	feet	200	18.75	3,750.00
	50 to 100 feet	feet	0	23.75	0.00
	100 to 150 feet	feet	0	31.25	0.00
	Grout Boreholes - Truck				
	0 to 50 feet	feet	0	5.00	0.00
	50 to 100 feet	feet	0	6.00	0.00
	100 to 150 feet	feet	0	8.00	0.00
	Grout Boreholes - Mudbug				
	0 to 50 feet	feet	200	6.25	1,250.00
	50 to 100 feet	feet	0	7.50	0.00
	100 to 150 feet	feet	0	10.00	0.00
	Temporary Casing - Truck				
	0 to 50 feet	feet	0	11.00	0.00
	50 to 100 feet	feet	0	13.00	0.00
	Temporary Casing - Mudbug				
	0 to 50 feet	feet	80	13.75	1,100.00
	50 to 100 feet	feet	0	16.25	0.00
	Undisturbed Samples (Shelby Tubes)				
	Truck (0-50 feet)	each	0	160.00	0.00
	Mudbug (0-50 feet)	each	0	200.00	0.00
	Drill Rig and Crew - Difficult Access/Clearing				
	Truck/Mudbug - 3 man crew access	hr	2	300.00	600.00
	Track - 3 man crew access/clearing	hr	0	400.00	0.00
	Field Permeability Test (0-10 ft)	each	0	350.00	0.00
	Support Water Truck	day	2	200.00	400.00
	Soil Survey/Coring Crew	hr	0	150.00	0.00
				Field Subtotal	\$7,700.00
2	Laboratory Soil Testing				
	Percent Fines	each	10	\$40.00	\$400.00
	Grain Size Analysis	each	0	60.00	0.00
	Organic Content	each	4	50.00	200.00
	Atterberg Limits	each	6	95.00	570.00
	Natural Moisture Content	each	10	15.00	150.00
	California Bearing Ratio	each	0	350.00	0.00
	Consolidation with rebound	each	0	600.00	0.00
	Specific Gravity	each	0	75.00	0.00
	Unit Weight	each	0	50.00	0.00
	Corrosion Series	each	0	160.00	0.00
				Laboratory Subtotal	\$1,320.00
				Field and Lab Total	\$9,020.00

GPI Field Work

Fees

Based upon the above services and the following Terms and Conditions, our fee for these Services shall be as follows:

Location	Subtotal
<i>Survey Control and check points</i>	\$ 6,150.00
<i>Aerial Imagery, LIDAR, processing, and Mapping</i>	\$ 11,950.00
<i>OPTIONAL – Ortho imagery, 0.25' pixel resolution</i>	\$ 600.00
Lump Sum (Total Fee)	\$ 18,700.00

Permanent Quick Turnaround Facility (QTA) - Project Restart

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		
					GOAA Approved Rate	Fees	Avg Rate
1	Permanent Quick Turnaround Facility (QTA) - Project Restart	C&S Engineers Inc	Principal	24.00	\$215.00	\$5,160.00	\$215.00
2	Permanent Quick Turnaround Facility (QTA) - Project Restart	Base Consulting	Senior PM	16.00	\$188.00	\$3,008.00	\$188.00
3	Permanent Quick Turnaround Facility (QTA) - Project Restart	Base Consulting	Project Engineer	120.00	\$114.00	\$13,680.00	\$114.00
4	Permanent Quick Turnaround Facility (QTA) - Project Restart	Base Consulting	Project Manager	40.00	\$167.00	\$6,680.00	\$167.00
5	Permanent Quick Turnaround Facility (QTA) - Project Restart	Base Consulting	BIM Manager	80.00	\$88.00	\$7,040.00	\$88.00
Sub-Total				280.00		\$35,568.00	\$127.03

Total	280.00	\$35,568.00	\$127.03
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STC P1X Permanent QTA

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Rate	Fees	
1	Complete Drawings, Specifications and Update Contract Documents - includes split building redesign	Matern Professional Engineering, Inc.	Principal Engineer	16.00	\$224.00	\$3,584.00	\$224.00
1	Complete Drawings, Specifications and Update Contract Documents - includes split building redesign	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	48.00	\$141.00	\$6,768.00	\$141.00
1	Complete Drawings, Specifications and Update Contract Documents - includes split building redesign	Matern Professional Engineering, Inc.	Engineer/ Designer II/ Field Tech III	64.00	\$88.00	\$5,632.00	\$88.00
1	Complete Drawings, Specifications and Update Contract Documents - includes split building redesign	Matern Professional Engineering, Inc.	CADD Tech	80.00	\$68.00	\$5,440.00	\$68.00
1	Complete Drawings, Specifications and Update Contract Documents - includes split building redesign	Matern Professional Engineering, Inc.	Clerical	19.00	\$67.00	\$1,273.00	\$67.00
2	Upgrade Infrastructure for Revised EV Charging	Matern Professional Engineering, Inc.	Principal Engineer	8.00	\$224.00	\$1,792.00	\$224.00
2	Upgrade Infrastructure for Revised EV Charging	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	20.00	\$141.00	\$2,820.00	\$141.00
2	Upgrade Infrastructure for Revised EV Charging	Matern Professional Engineering, Inc.	Engineer/ Designer II/ Field Tech III	28.00	\$88.00	\$2,464.00	\$88.00
2	Upgrade Infrastructure for Revised EV Charging	Matern Professional Engineering, Inc.	CADD Tech	32.00	\$68.00	\$2,176.00	\$68.00
2	Upgrade Infrastructure for Revised EV Charging	Matern Professional Engineering, Inc.	Clerical	9.00	\$67.00	\$603.00	\$67.00
3	Low voltage conduit stubs plus complete FA design services- Including split building redesign	Matern Professional Engineering, Inc.	Principal Engineer	6.00	\$224.00	\$1,344.00	\$224.00
3	Low voltage conduit stubs plus complete FA design services- including split building redesign	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	24.00	\$141.00	\$3,384.00	\$141.00
3	Low voltage conduit stubs plus complete FA design services- Including split building redesign	Matern Professional Engineering, Inc.	Engineer/ Designer II/ Field Tech III	64.00	\$88.00	\$5,632.00	\$88.00
3	Low voltage conduit stubs plus complete FA design services- including split building redesign	Matern Professional Engineering, Inc.	CADD Tech	96.00	\$68.00	\$6,528.00	\$68.00
3	Low voltage conduit stubs plus complete FA design services- including split building redesign	Matern Professional Engineering, Inc.	Clerical	16.00	\$67.00	\$1,072.00	\$67.00
4	Lightning Protection	Matern Professional Engineering, Inc.	Principal Engineer	4.00	\$224.00	\$896.00	\$224.00
4	Lightning Protection	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	12.00	\$141.00	\$1,692.00	\$141.00
4	Lightning Protection	Matern Professional Engineering, Inc.	Engineer/ Designer II/ Field Tech III	40.00	\$88.00	\$3,520.00	\$88.00
4	Lightning Protection	Matern Professional Engineering, Inc.	CADD Tech	60.00	\$68.00	\$4,080.00	\$68.00
4	Lightning Protection	Matern Professional Engineering, Inc.	Clerical	4.00	\$67.00	\$268.00	\$67.00
5	Attend 95% TRT Meeting	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	2.00	\$141.00	\$282.00	\$141.00
6	Resolve 95% Comments on Drawings and Specifications	Matern Professional Engineering, Inc.	Principal Engineer	12.00	\$224.00	\$2,688.00	\$224.00
6	Resolve 95% Comments on Drawings and Specifications	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	24.00	\$141.00	\$3,384.00	\$141.00
6	Resolve 95% Comments on Drawings and Specifications	Matern Professional Engineering, Inc.	Engineer/ Designer II/ Field Tech III	12.00	\$88.00	\$1,056.00	\$88.00
6	Resolve 95% Comments on Drawings and Specifications	Matern Professional Engineering, Inc.	CADD Tech	24.00	\$68.00	\$1,632.00	\$68.00
6	Resolve 95% Comments on Drawings and Specifications	Matern Professional Engineering, Inc.	Clerical	10.00	\$67.00	\$670.00	\$67.00

STC P1X Permanent QTA

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		
					GOAA Approved Rate	Fees	Avg Rate
7	Produce and Prepare Bid Addenda Items	Matern Professional Engineering, Inc.	Principal Engineer	2.00	\$274.00	\$448.00	\$224.00
7	Produce and Prepare Bid Addenda Items	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	6.00	\$141.00	\$846.00	\$141.00
7	Produce and Prepare Bid Addenda Items	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	6.00	\$88.00	\$528.00	\$88.00
7	Produce and Prepare Bid Addenda Items	Matern Professional Engineering, Inc.	CADD Tech	12.00	\$68.00	\$816.00	\$68.00
7	Produce and Prepare Bid Addenda Items	Matern Professional Engineering, Inc.	Clerical	2.00	\$67.00	\$134.00	\$67.00
Sub-Total				762.00		\$73,452.00	\$96.39
Total				762.00		\$73,452.00	\$96.39

Permanent Quick Turnaround Facility (QTA) - Project Restart

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		
					GOAA Approved Rate	Fees	Avg Rate
1	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Principal (PIC)	24.00	\$331.00	\$7,944.00	\$331.00
2	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	MP Design Director/Oversight	48.00	\$248.00	\$11,904.00	\$248.00
3	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Technical Manager	60.00	\$225.00	\$13,500.00	\$225.00
4	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Senior Project Manager	120.00	\$209.00	\$25,080.00	\$209.00
5	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Sustainable Specialist	60.00	\$162.00	\$9,720.00	\$162.00
6	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Senior Engineer	280.00	\$157.00	\$43,960.00	\$157.00
7	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Engineer	400.00	\$140.00	\$56,000.00	\$140.00
8	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	CAD/BIM Design Coordinator	240.00	\$87.00	\$20,880.00	\$87.00
9	Permanent Quick Turnaround Facility (QTA) - Project Restart	Syska Hennessy Group	Project Coordinator	48.00	\$64.00	\$3,072.00	\$64.00
Sub-Total				1,280.00		\$192,060.00	\$150.05

Total	\$1,280.00
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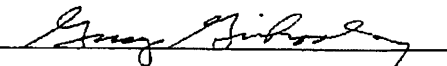
\$192,060.00	\$150.05
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TRUTH IN NEGOTIATION CERTIFICATION

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Aviation Authority determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Aviation Authority, whichever is later.

Consultant HNTB Corporation

By: 

Print Name: George Gilhooley

Date: April 11, 2022



GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
5850-B Cargo Road
Orlando, Florida 32827-4399

MEMORANDUM

To: Members of the Construction Committee

From: Edelis Molina, Sr. Small Business Administrator

Date: April 26, 2022

Re: Request for Recommendation of Approval of an Addendum to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Completion of Design, Bid & Award Services for the Previously Deferred South Terminal Complex Permanent Quick Turn-Around (QTA) Facilities for W-S00110, South Terminal C, Phase 1 – Architect of Record Services (& Major Subs) at the Orlando International Airport

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that HNTB Corporation proposes 41.3% MWBE participation on this Addendum.

Our analysis indicates that HNTB Corporation is eligible for award of the subject Addendum.

MWBE UTILIZATION FORM FOR NON-FEDERALLY FUNDED PROJECTS

PLEASE COMPLETE THIS FORM

This form should be used to report Construction and Engineering /Professional Services activities.

Name of Airport: Orlando International Airport

Telephone No: (407) 825-7130

Address: One Jeff Fuqua Boulevard, Orlando, FL 32827

Project Name & Number: Request for Recommendation of Approval of an Addendum to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Completion of Design, Bid & Award Services for the Previously Deferred South Terminal Complex Permanent Quick Turn-Around (QTA) Facilities for W-500110, South Terminal C, Phase 1 – Architect of Record Services (& Major Subs) at the Orlando International Airport

1. Construction Information:

Addendum Amount: _____

2. MWBE Goal by Group Representation:

Asian Pacific American	_____	Actual Result	_____
Asian Subcontinent American	_____	Actual Result	_____
Black American	_____	Actual Result	_____
Caucasian Female American	_____	Actual Result	_____
Caucasian Male	_____	Actual Result	_____
Hispanic American	_____	Actual Result	_____
Native American	_____	Actual Result	_____
Total MWBE Goal	_____	Actual Result	_____

3.a. Prime Contractor Information:

Name: _____
 Address: _____
 City, State, Zip: _____
 Telephone: _____

3.b. Name and Address of MWBE Subcontractor

Name: _____
 Address: _____
 City, State, Zip: _____
 Telephone: _____

3.c. *Identity:

Work Item(s): _____
 Amount of Subcontract _____
 Percent of Prime Contract (%): _____

4. Engineering/Professional Services Information:

Addendum Amount: \$1,077,953.00

5. MWBE Goal by Group Representation:

Asian Pacific American	_____	Actual Result	_____
Asian Subcontinent American	<u>322,095.00</u>	Actual Result	<u>29.9%</u>
Black American	<u>96,136.00</u>	Actual Result	<u>8.9%</u>
Caucasian Female American	_____	Actual Result	_____
Caucasian Male	<u>19,352.00</u>	Actual Result	<u>1.8%</u>
Hispanic American	<u>7,204.00</u>	Actual Result	<u>0.7%</u>
Native American	_____	Actual Result	_____
Total MWBE Goal	<u>444,787.00</u>	Actual Result	<u>41.3%</u>

6.b. Engineering / Professional Service Firm Information:

Name: HNTB Corporation
 Address: 610 Crescent Executive Court, Suite 400
 City, State, Zip: Lake Mary, FL 32746
 Telephone: (407) 805-0355

6.b. Name and Address of MWBE Subconsultant

Name: Please see attached
 Address: _____
 City, State, Zip: _____
 Telephone: _____

6.c. *Identity:

Work Item(s): _____
 Amount of Subcontract _____
 Percent of Prime Contract (%): _____

I certify that the information included on this form and its attachment is correct
 Signature: Edelis Molina Date: 04/26/22
 for George I. Morning, Director of Small Business Development Department

* In Items 3.c. and 6.c. above specify the Identity of MWBE Subcontractors and E/PS Firms (e.g. Black American, Hispanic American, Asian Subcontinent American, Asian Pacific American, Caucasian Female American, Native American & Other)

MWBE Subcontractor/Subconsultant Certification

Project Name & Number: Request for Recommendation of Approval of an Addendum to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Completion of Design, Bid & Award Services for the Previously Deferred South Terminal Complex Permanent Quick Turn-Around (QTA) Facilities for W-500110, South Terminal C, Phase 1 – Architect of Record Services (& Major Subs) at the Orlando International Airport

Prime Firm: HNTB Corporation

Addendum Amount: \$1,077,953.00

Company Name Baker Barrios Architects, Inc.
Address 300 South Orange Avenue, Suite 900
City, State, Zip Orlando, FL 32801
Phone (407) 926-3000
Identity Hispanic American
Work Item Landscape Design (Sub of HNTB)
Amount of Subcontract \$7,204.00
Percentage 0.7%

Rhodes + Brito Architects, Inc.
801 North Magnolia Avenue
Orlando, FL 32801
(407) 647-7288
Identity Black American
Work Item Architectural Design (Sub of HNTB)
Amount of Subcontract 96,136.00
Percentage 8.9%

Company Name AVCON, Inc.
Address 5555 East Michigan Street, Suite 200
City, State, Zip Orlando, FL 32822
Phone 407-599-1122
Identity Asian Subcontinent American
Work Item Civil Design Services (Sub of Atkins)
Amount of Subcontract \$291,687.00
Percentage 27.1%

Geotechnical and Environmental Consultants, Inc.
919 Lake Baldwin Lane
Orlando, FL 32814
407-898-1818 Ext. 8960
Identity Caucasian Male
Work Item Geotechnical Services (Sub of Atkins)
Amount of Subcontract \$19,352.00
Percentage 1.8%

Company Name Base Consultants, Inc.
Address 1214 E Concord Street
City, State, Zip Orlando, FL 32803
Phone 407-377-7227 Ext. 102
Identity Asian Subcontinent American
Work Item Structural Design (Sub of C&S Engineers)
Amount of Subcontract \$30,408.00
Percentage 2.8%

Company Name _____
Address _____
City, State, Zip _____
Phone _____
Identity _____
Work Item _____
Amount of Subcontract _____
Percentage _____

\$444,787.00 41.3%
\$1,077,953.00

Upon motion of Mr. Hunt, second by Mr. Gilliam, vote carried to approve Turner-Kiewit Joint Venture to issue a subcontract modification to Cleveland Construction, Inc.; and Percopo Coatings Company, LLC on BP-S00181, South Terminal C, Phase 1-Ground Transportation Facility (GMP No. 8-S.1), for the total amount of \$0.00, which includes the deductive lump sum amount of (\$2,946.00) to Percopo Coatings Company, LLC and the total lump sum amount of \$2,946.00 to Cleveland Construction, Inc., with funding from Customer Facility Charges and General Airport Revenue Bonds.

BBB. Subcontract Modification for BP-S00181 (GMP No. 8-S.1) with Cleveland Construction, Inc.; and VSC Fire & Security, Inc. for CR2330-8S.1-GTF - Replace water damaged tile. Mr. Corthell presented the GMP BBC request. Agenda Item Nos. 3-A, 3-B, 3-C, 3-D, 3-E, 3-F, 3-G, 3-H, 3-I, 3-J, 3-K, 3-L, 3-M, 3-N, 3-O, 3-P, 3-Q, 3-R, 3-S, 3-T, 3-U, 3-V, 3-W, 3-X, 3-Z, 3-AA, 3-BB, 3-CC, 3-DD, 3-EE, 3-FF, 3-GG, 3-II, 3-JJ, 3-KK, 3-LL, 3-MM, 3-NN, 3-OO, 3-PP, 3-QQ, 3-RR, 3-SS, 3-TT, 3-UU, 3-VV, 3-WW, 3-XX, 3AAA, and 3-BBB were considered in one motion. Discussion ensued.

Upon motion of Mr. Hunt, second by Mr. Gilliam, vote carried to approve Turner-Kiewit Joint Venture to issue a subcontract modification to Cleveland Construction, Inc.; and VSC Fire & Security, Inc. on BP-S00181, South Terminal C, Phase 1-Ground Transportation Facility (GMP No. 8-S.1), for the total amount of \$0.00, which includes the deductive lump sum amount of (\$4,168.00) to VSC Fire & Security, Inc. and the total lump sum amount of \$4,168.00 to Cleveland Construction, Inc., with funding from Customer Facility Charges and General Airport Revenue Bonds.

TERMINAL C PROGRAM

REQUEST FOR APPROVAL OF A PURCHASE ORDER FOR HP DESKTOPS FROM HP, INC. FOR THE AIRPORT OPERATIONS CENTER (AOC) V-S00019, SOUTH TERMINAL C LST AOC BUILDOUT, AT THE ORLANDO INTERNATIONAL AIRPORT.

4. Ms. Harvey presented the memorandum, dated April 26, 2022. Discussion ensued.

Upon motion of Mr. Hunt, second by Mr. Pelletier, vote carried to approve a Purchase Order for HP Desktops from HP, Inc. for the Airport Operations Center (AOC) V-S00019, South Terminal C LST Airport Operations Center (AOC) Buildout, for the total not-to-exceed fee amount of \$28,106.70, with funding from previously approved General Account Revenue Bonds.

REQUEST FOR APPROVAL OF A PURCHASE ORDER FOR AMINO BOXES FROM HOLZBERG COMMUNICATIONS, INC. FOR THE AIRPORT OPERATIONS CENTER (AOC) V-S00019, SOUTH TERMINAL C LST AOC BUILDOUT, AT THE ORLANDO INTERNATIONAL AIRPORT.

5. Ms. Harvey presented the memorandum, dated April 26, 2022. Discussion ensued.

Upon motion of Mr. Hunt, second by Mr. Pelletier, vote carried to approve a Purchase Order for Amino Boxes from Holzberg Communications, Inc. for the Airport Operations Center (AOC) V-S00019, South Terminal C LST Airport Operations Center (AOC) Buildout, for the total not-to-exceed expense amount of \$168.39, with funding from previously approved General Airport Revenue Bonds.

REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE ARCHITECT OF RECORD SERVICES FOR THE SOUTH TERMINAL C, PHASE 1 AGREEMENT WITH HNTB CORPORATION FOR COMPLETION OF DESIGN, BID AND AWARD SERVICES FOR THE PREVIOUSLY DEFERRED SOUTH TERMINAL COMPLEX PERMANENT QUICK TURN-AROUND (QTA) FACILITIES FOR W-S00110 SOUTH TERMINAL C, PHASE 1 – ARCHITECT OF RECORD SERVICES (AND MAJOR SUBS), AT THE ORLANDO INTERNATIONAL AIRPORT.

6. Mr. Corthell presented the memorandum, dated April 26, 2022. Discussion ensued.

Upon motion of Mr. Pelletier, second by Mr. Gilliam, vote carried to recommend to the Aviation Authority Board approval of an Addendum to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Completion of Design, Bid and Award Services for the Previously Deferred South Terminal Complex Permanent Quick Turn-Around (QTA) Facilities for W-S00110 South Terminal C, Phase 1 – Architect of Record Services (and Major Subs), for the total amount of \$1,077,953.00 lump sum fee of \$1,050,233.00 and the not-to-exceed expense amount of \$27,720.00, with funding from Customer Facility Charges.



GREATER ORLANDO AVIATION AUTHORITY

Orlando International Airport
One Jeff Fuqua Boulevard
Orlando, Florida 32827-4392

MEMORANDUM

TO: Members of the Aviation Authority

FROM: Davin D. Ruohomaki, Chairman, Construction Committee

DATE: May 18, 2022

ITEM DESCRIPTION

Recommendation of the Construction Committee to Approve Addendum No. 43 to the Architect of Record for Terminal C, Phase 1, Agreement with HNTB Corporation for Completion of Design, Bid and Award Services for the Previously Deferred Terminal C Permanent Quick Turn-Around (QTA) Facilities for W-S00110, Terminal C, Phase 1 - Architect of Record (and Major Subconsultants) at the Orlando International Airport

BACKGROUND

The Terminal C, Phase 1, Program provides for a world-class domestic and international airport terminal building, consisting of a new airside terminal with up to 15 airline gates and a landside terminal with both secure and non-secure areas, and associated improvements and infrastructure required or related thereto, such as sitework, roadways, aprons, runways, taxiways, other airfield work, utilities, landscaping, lighting, walkways, pedestrian bridges, expansion of the parking garage, a new and/or expanded chiller plant, aircraft loading bridges, and all interior design, such as concessions planning, ticketing, and security improvements, and baggage handling systems.

In 2015, the firm providing Architect of Record (and Major Subconsultants) Services for the Terminal C, Phase 1, Program was selected through a competitive award process. These services were procured on an as-needed or annual basis through program duration. On October 21, 2015, the Aviation Authority Board approved the Architect of Record for the Terminal C, Phase 1, Agreement with HNTB Corporation. On December 9, 2015, the Aviation Authority Board approved the following major subconsultants as part of HNTB Corporation's Design Team for Terminal C:

- Structural Engineer: C&S Engineers, Inc.
- Airfield Civil Engineer: Kimley-Horn and Associates, Inc.
- Landside Civil Engineer: Atkins North America, Inc.
- Mechanical and Plumbing Engineer: Syska Hennessy Group, Inc.
- Electrical Engineer: Matern Professional Engineering, Inc.
- Aviation Baggage Handling System Specialty Engineer: AECOM Technical Services, Inc.
- Aviation Ground Support Equipment System Specialty Engineer: T.Y. Lin International

The initial design of the Terminal C, Phase 1, included a quick turn-around facility for the rental car companies. On September 18, 2019, BP No. S00175, Terminal C Quick Turn-Around Facilities was awarded to McCree Design Builders, Inc. As a result of the COVID-19 Pandemic impacts, this project was Terminated for Convenience. As of May 21, 2020, the effective date of the termination, 27% of the project was completed, including site clearing, site earthwork, steel canopy columns and foundations, partial electrical installation, and partial site drainage. All project materials procured prior to this termination, including steel canopy columns, concrete storm drainage structures, sanitary sewer structures, fuel dispensers, waterproofing material, steel bollards, fiber optic cable, camera poles, and

metal hollow frame doors, were turned over to the Aviation Authority and securely stored. The project site was left in a safe condition. After the deferral of this project, the deferred portions of the design documents remained on-hold and were not updated to reflect any design progression that occurred over the last two years, throughout the construction phase, including as-built documents for some trades.

ISSUES

Completion of the design, bid and award services for the permanent QTA facilities is now required. HNTB Corporation, as the Terminal C Architect of Record, along with the previously-selected major subconsultants, will prepare the construction bid documents. The Aviation Authority intends to advertise the bid package in September 2022 and award the construction contract in December 2022. Construction is scheduled to start in January 2023 and complete in July 2024.

A fee has been negotiated with HNTB Corporation for Design, Bid and Award Services for the previously-deferred Terminal C Permanent QTA Facilities for the total amount of \$1,077,953. These design services will include, but are not limited to, project surveys, geotechnical/site investigations, utility verification, completion of project design, preparation of 100% bid documents, cost estimates, permitting documents, engineer's report, project schedule, and as-built research. The bid and award services will include, but are not limited to, distribution and administration of bid documents including bid addenda, if any; and, providing assistance during advertisement. The final design documents will be used as bid documents for a competitively procured construction contract.

The Aviation Authority has reviewed the proposal from HNTB Corporation, and determined that HNTB Corporation proposes to achieve 41.3% Minority and Women Business Enterprise (MWBE) participation for these services.

On April 26, 2022, the Construction Committee recommended approval of Addendum No. 43 to the Architect of Record for Terminal C, Phase 1, Agreement with HNTB Corporation for Design, Bid and Award Services for the Previously Deferred Terminal C Permanent QTA Facilities for W-S00110, Terminal C, Phase 1 - Architect of Record (and Major Subconsultants) at the Orlando International Airport, as outlined in the memorandum.

ALTERNATIVES

None.

FISCAL IMPACT

The fiscal impact is \$1,077,953 with funding from Customer Facility Charges. ✓

RECOMMENDED ACTION

It is respectfully requested that the Aviation Authority Board resolve to accept the recommendation of the Construction Committee and approve Addendum No. 43 to the Architect of Record for Terminal C, Phase 1, Agreement with HNTB Corporation for Design, Bid and Award Services for the Previously Deferred Terminal C Permanent QTA Facilities for W-S00110, Terminal C, Phase 1 - Architect of Record (and Major Subconsultants) at the Orlando International Airport, for the total amount of \$1,077,953, which includes the lump sum fee amount of \$1,050,233 and the not-to-exceed reimbursable expenses amount of \$27,720, with funding from Customer Facility Charges; and, (3) authorize an Aviation Authority Officer or the Chief Executive Officer to execute the necessary documents following satisfactory review by legal counsel.

HNTB QTA SITE MAP

