

**ADDENDUM NO. 41 TO AGREEMENT
DATED DECEMBER 10, 2015, BETWEEN
THE GREATER ORLANDO AVIATION AUTHORITY
AND HNTB CORPORATION**

Project: Design, Bid & Award Services for Previously Deferred STC Airside Concourse (ASC) 4-Gates for W-S110, South Terminal C, Phase 1– Architect of Record Services, Orlando International Airport

THIS ADDENDUM is effective as of this 20th day of April, 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 amount of ONE MILLION EIGHT HUNDRED SEVENTY-TWO THOUSAND NINE HUNDRED NINETY AND NO/100 DOLLARS (\$1,872,990.00)**, broken down as follows:

Professional Fees:	NTE:	\$0.00
Professional Fees:	LS:	\$1,872,990.00
Reimbursable Expenses:	NTE:	<u>\$0.00</u>
Total:		\$1,872,990.00

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.

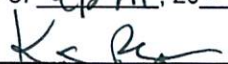
In the event the Agreement is for One Million Dollars (\$1,000,000.00) or more, Authority may terminate this Agreement for cause and without the opportunity to cure if the Consultant is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan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

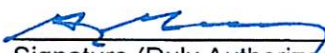
IN WITNESS WHEREOF, the parties hereto have executed this Addendum No. 41 this 20 day of April, 2022.

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 April, 2022
By: 
**NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority**

HNTB CORPORATION

By: 
Signature (Duly Authorized Rep.)
George M. Gilhooley
Printed Name
Sr. Vice President
Title



March 25, 2022

Mr. Davin Ruohomaki, MBA, CGC
Senior Director, 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 (STC P1), Architect of Record
Proposal for Design Services for: **Completion of Design and Bid/Award Services for Deferred
STC Airside Concourse (ASC) 4-Gates Project Restart**

Dear Mr. Ruohomaki:

As you requested, HNTB Corporation ("HNTB") is submitting this proposal for the completion of design services associated with the previously deferred four (4) gates for the Airside Concourse (ASC). This proposal covers the scope of work for the design of 100% Bid Documents and to provide bid and award services. A separate proposal will be submitted at the appropriate time for construction phase services associated with this work.

SCOPE OF WORK:

The scope is further defined in the attached scopes of work for each design firm, which form the basis for the design lump sum fee as requested.

SCHEDULE:

Following NTP on ~~or before~~ April 20, 2022, the 100% set of Construction Bid Documents will be submitted on or about June 17, 2022. It is assumed that the Bid and Award Period will include a bid advertisement on or about June 19, 2022 and will be completed with the contractor's contract execution by December 2, 2022.

The proposed lump sum design fees and DBE participation for the team are summarized in the following table. We recognize that the DBE participation is the only one being applied to the federally funded projects. However, a second table is also included to show the additional firms who will be working on this project who are MWBE firms (but not DBE certified) to allow the Authority to continue to track the key involvement of both our DBE and our MWBE partners. Thus, the MWBE portion is for GOAA Small Business information only.

GOAA South Terminal C Phase 1			
Completion of Design and Bid/Award Services for Deferred STC Phase 1 Expansion Airside Concourse (ASC) 4-Gates Project Restart			
3/25/2022			
Firm	DBE	Lump Sum Design Fee	Role
HNTB Corporation		\$ 1,011,775	Prime Consultant; Architect of Record
HLB Design	0.8%	\$ 11,930	Lighting Design Support
Jensen Hughes		\$ 13,360	Fire Protection Design Support
Lerch Bates		\$ 14,112	Vertical Transportation Support
MLM Martin	20.3%	\$ 289,490	Architectural Design Support
Montgomery Consulting Group	3.2%	\$ 46,216	Cost Estimating
Ramski & Company	1.4%	\$ 20,160	Architectural Design Support
Selbert Perkins		\$ 19,859	Signage Design
Subtotal	25.8%	\$ 1,426,902	
C&S Engineers		\$ 72,809	Structural Design
Base	23.0%	\$ 21,760	Structural Design Support
Subtotal	23.0%	\$ 94,569	
Matern		\$ 126,054	Electrical Design Support
Avcon, Inc.		\$ 24,638	Electrical Design Support
Burns Engineering, Inc.		\$ 20,104	Electrical Design Support
Subtotal		\$ 170,796	
Syska Hennessy		\$ 92,652	Mechanical Design
SGM Engineering		\$ 12,760	Plumbing Design Support
Voltair	3.8%	\$ 4,120	Mech + Plumb Design Support
Subtotal	3.8%	\$ 109,532	
TY Lin International		\$ 48,524	GSE Design
Montgomery Consulting Group	6.0%	\$ 4,284	Design Packaging Support
Avcon, Inc.		\$ 2,187	Structural Support
TLC Engineering		\$ 12,060	Mechanical Support
Voltair	5.8%	\$ 4,136	Electrical Support
Subtotal	11.8%	\$ 71,191	
Total Lump Sum Fee		\$ 1,872,990	
Total Contract		\$ 1,872,990	
DBE	21.5%	\$ 402,096	

We trust this proposal is consistent with your understanding. Please let me know if you would like to discuss any of the elements. We look forward to receiving your approval and NTP immediately following the Aviation Authority Board meeting on April 20th to allow the team to meet this schedule.

Sincerely,

HNTB Corporation

A handwritten signature in blue ink, appearing to read "William G. Brooks".

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: DBE/MWBE Summary Table
Scope of Services Documents
Fee Tables
Truth in Negotiation Certification

DBE/MWBE Summary Table

GOAA South Terminal C Phase 1				
Completion of Design and Bid/Award Services for Deferred STC Phase 1 Expansion Airside Concourse (ASC) 4-Gates Project Restart				
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Subtotal	11.8%	3.1%	\$ 71,191	
Total Lump Sum Fee			\$ 1,872,990	
Total Contract			\$ 1,872,990	
DBE	21.5%		\$ 402,096	
MWBE		3.2%	\$ 59,444	

EXHIBIT A
DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC-P1X Airside
Concourse (ASC) Gates Project Restart**

HNTB Corporation - Scope of Services

1. **General Project Description:** This project is to restart the STC Phase 1 Expansion (P1X) Airside Concourse (ASC) Gates that were deferred due to COVID. The specific elements being reinstated include four passenger boarding pier extensions of the ASC at the south end of the P1 hub, along with the associated concourse, sterile corridor, and ramp level support and tenant areas.

2. **Program Components being restarted**
 - a. **Airside Concourse Building (ASC):**
 - i. Four (4) MARS (4 Wide or 8 Narrow Body) Aircraft gates to the south of the ASC Phase 1 hub each of which will include two elevators and an escalator.
 - ii. Extension of sterile corridor to serve new gates.
 - iii. Additional hold rooms and associated functions
 - iv. Baggage handling system, virtual ramp control system, visual guidance docking system, passenger boarding bridges, ground support equipment services from ASC, etc.
 - v. Ramp Loading Connector (RLC)
 - vi. Concessions shell finish and other passenger amenities on the transfer level.
 - vii. Ramp level facilities including P1X facility support spaces, tenant shell lease areas, and GOAA support spaces.

3. **Description of Services**
 - a. **Project Management**
 - i. **Architectural Design:** Designer will provide architect of record design services for the preparation of a set of project bid documents and AHJ building permitting coordination services for P1X ASC Gates project restart, including incorporation of the various changes made to the ASC Phase 1 building since the deferral that also need to be made in the ASC P1X elements.
 - ii. **Project Management** – Designer will provide qualified management and technical staff during the P1X ASC project restart to manage the architectural

design process through its completion, including coordination with adjacent projects / as built confirmation and specifications coordination to ensure compatibility with P1 campus wide specs.

- iii. **Sub-Designer Coordination:** Designer will manage and coordinate the work of the Sub-Designer team to determine any subsequent design for each system including:
 - 1. Structural Engineering
 - a. Examination of existing conditions of P1X deferred elements currently constructed
 - 2. Mechanical/ Plumbing Engineering
 - 3. Electrical Engineering
 - 4. Airfield Civil Engineering
 - 5. Ground Support Equipment
 - 6. Code/Life Safety; Fire Protection; Fire Alarm
 - iv. **GOAA Consultants Coordination:** Designer will coordinate the work of the Design team with GOAA consultants for each system including:
 - 1. Low Voltage/Security
 - 2. Baggage Handling System
 - 3. Virtual Ramp Control System
 - 4. Passenger Boarding Bridges
 - v. **DBE Coordination and Mentoring:** Designer will coordinate the work of DBE team members to update documents for the DBE disciplines including, but not limited to:
 - 1. Architectural Design Support
 - 2. Signage and Wayfinding
 - 3. Cost estimating
 - vi. **Meetings:** The following meetings are anticipated:
 - 1. 100% Bid Documents Package RFC / GOAA Comment Reviews
 - 2. Weekly Design Team Coordination Calls
 - vii. **Quality Assurance:** Designer will review the 100% document deliverable with the intent of minimizing errors, omissions, and other issues inconsistent with the Standard of Care. The quality review will be timed to comply with optimized schedule.
 - viii. **BIM/Revit Coordination:** Designer's technical staff will manage the team's sub-designers' electronic documents into the collective team design model file. The model will be consistent with the P1 model and will not be upgraded for P1X restart. Plan sheets showing P1X scope will have hatch removed and P1X extents will be included in the P1X project.
- b. **Architectural Documentation Services**
- i. **Airside Terminal**
 - 1. **Documentation:** Provide lead role on production of architectural design including drawings and specifications for areas affected by the P1X restart as listed below:

- a. As Built Documents to be provided by contractor
- b. Level 2 Concourse: All elements of P1X will be restarted and will accommodate the extension of gates, hold rooms, sterile corridor, and public amenities. All documents are to be designed to incorporate Phase 1 drawing RFI's/VE's/Change Orders relevant to P1X.
- c. Boarding Piers: The four new boarding piers added for P1X will be 250, 251, 252, and 253, all with A & B signage.
- d. Exterior signage will also be modified at Gate 240 to indicate this is now a MARS gate. This will include exterior skin and structural modifications.
- e. Ramp Loading Connector: This proposal restarts the RLC and shall be configured as was proposed before it was deferred.
- f. Apron Level: Any capped systems to be uncapped and integrated into P1X.
- g. FF&E: Coordinate with GOAA to update the current FF&E package to reflect expansion in quantities, any revisions to FF&E from Ph 1 and incorporated into P1X.

2. Coordination: Coordinate activities of Sub-Designers including their drawings, specifications, and other documentation:

- a. All levels: Multiple Sub-Designers will be engaged to coordinate the restart of the building systems and to bring drawings into alignment with Phase 1 drawing RFI's related to mechanical shafts and VE efforts that were not incorporated previously due to the deferral.
- b. South Boarding Pier and Ramp Loading Connector: This proposal assumes the Ramp Loading Connector component will be designed as envisioned pre-deferral.
- c. Level 1 Apron Level: BHS DBOM, Security, and Mechanical and Electrical Sub-Designers will be engaged to accomplish this Restart.
- d. Low Voltage: Coordinate with Electrical Sub-Designer and Low Voltage major sub consultant for any power or data requirements that need to be designed based on current Vendor coordination for FF& E and based on Phase 1 changes and VE initiatives.

c. Deliverables

i. Program Validation

- 1. Prior to the beginning the restart of this work, the scope of this work will be reviewed with GOAA Sr. Director of Engineering and Construction and GOAA designated department directors / senior staff including Security, Operational Readiness, and Maintenance, the OAR,

and the Designer to understand what has been constructed in Phase 1 and what areas/systems need to be adjusted to incorporated changes / lessons learned in Phase 1.

ii. Specifications

1. The current Phase 1 campus wide specifications will be the basis for design and the selected specifications applicable to the Phase 1 ASC will be printed to remove track changes for P1X. It is anticipated that GOAA will provide information gained from the CMAR and the independent third party geotechnical engineering firm assessing stored / partially completed work from Phase 1 regarding materials originally slated for P1X construction that have been purchased and stored. This information from GOAA / third party will be included in the bid documents for information to bidders.

iii. Drawings

1. Existing drawings sheets will have the extents of P1X work brought back, hatch and demarcation lines will be removed, and all information will be shown on sheets. Changes to P1X may be necessary as we will be designing P1X work to accompany Phase 1 VE and Code Compliance changes.
 - a. P1 sheets will be reviewed to determine which sheets will need to be included with the P1X bid package. This will require sheets, such as detail sheets, to be designed to clearly indicate what is part of the P1X bid package.
2. Demo plans will be required for Areas 14 and 34, addressing scope associated with the deferral and restart.
3. During the bid period, the Design Team will respond to bidders' questions.

<p style="text-align: center;">EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES</p>

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

HLB Lighting Design - Scope of Services

Contract Documents (100%) will consist of the following:

- Participate in web-based conferences and technical review meeting(s) with the Owner, Designer and other Sub-Designers. Time for up to twenty (20) hours of meetings, teleconferences, or web-based conferences is included in the fee.
- Prepare reviews of updated design and layouts of proposed lighting luminaires in the existing Lighting Revit model. Time for two (2) updates of the lighting model is included in the fee.
- Prepare updated luminaire schedule and luminaire cuts and/or sketch recommendations for architectural mounting details as required.
- Prepare updated photometric calculation reports.
- Prepare updated lighting control documentation for front-of-house lighting, including control system specification, sequence of operations, and zoning diagrams.
- Provide assistance with preparation of responses to Owner's questions as associated with lighting design to the extent that they do not extend our scope of work or require re-design.

EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

Jensen Hughes - Scope of Services Design Phase

Provide a standalone Package

- Remove deferred scope notes.
 - Complete design of piping and control valve from the recessed fire hose cabinet provided at the exterior stair back to the standpipe supply main.
 - Complete design to add and reconnect the standpipe supply main from P1X areas to the standpipe supply main in Airside Phase I.
 - Complete design to delete the fire hose cabinet in Airside Phase I adjacent to the exterior stair at Gridline Y13 and subsequent piping leading back to standpipe supply main.
 - Complete design by deleting the existing piping and control valve from the recessed fire hose cabinet provided at the exterior stair back to the standpipe supply main.
 - Complete design by adding and connecting the standpipe supply main from P1X areas to the standpipe supply main in Airside Phase I.
-
- Respond to bidder questions, permit comments from the City and revise and resubmit drawings as necessary.

EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

Lerch Bates - Scope of Services Design Phase

- Review the architectural drawings for conformance with the Design Information provided by Lerch Bates. Provide written comments, advice, assistance, or information.
- LB will update and coordinate vertical transportation drawings based on specific communication from the architectural team regarding a background drawing change which affects the vertical transportation equipment. The number of updates and submissions included will be limited to 3.
- Prepare a detailed, performance-based equipment specification for the appropriate Division 14 section(s) in the agreed upon format.

Specification will include:
 - Specific performance criteria relating to quality of equipment, performance times, ride quality, noise, and vibration.
 - Established level of quality.
 - Compliance with accessibility standards.
 - Compliance with prevailing Codes directly related to the equipment application selected.
- **Bidding and Award (100%):**
 - Review any exceptions and/or clarifications with the Elevator Contractors.
 - Review the material delivery and construction schedule.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

MLM Martin Design - Scope of Services

- MLM-Martin Architects, Inc. (MLM) will be responsible for the documentation of the P1X Deferral Restart West of the existing building expansion joint.
- Task 1 will be to evaluate current as built conditions of the P1X piers and the end temporary wall and temporary exists configuration prior to the deferment of work.
- Task 2. MLM will update project design documents to establish affective extents of "existing" components and clearly establish limits of new work, drawings, and specifications, for Bidders.
- Task 3. MLM will evaluate and incorporate any design changes affecting P1X as they may apply to the Project.
- Task 4. Provide 100% Bid Documents of the Piers for advertisement, Bid, Evaluation and Award.
- Task 5. MLM to provide Bid Phase Assistance to HNTB.

Assumption – Permitting will be a continuation of the existing building permit revision cycles inclusive of Permitted Code Edition (5th – 2014).

End Sub-Designer's Scope Description

<p style="text-align: center;">EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES</p>

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC P1X Airside
Concourse (ASC) 4 Gates Project Restart**

Montgomery Consulting Group - Scope of Services Standalone Package

Overall scope includes: STC P1X Airside Concourse Gates – a total of four additional MARS swing gates (4 wide body or 8 narrow body) for international or domestic operation in a south concourse extension off the hub. Will include extension of baggage handling system and the 8 jet bridges.

Specifically, Montgomery Consulting Group, Inc. will provide cost estimating of 100% documents for this project.

EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

Ramski & Associates Design - Scope of Services

- **Construction Document (100%):**
 - Complete detail and proper documentation in the Drawings to be issues for permit and construction at an accelerated pace.
 - Lead in the documentation of the design concepts from the General Consultant and design Architect, HNTB PM will validate our understandings before we proceed.
 - Document public restrooms, public area floor finish plans and public area interior wall elevations.
 - Assistance with the coordination of Room Data Sheets.
 - Coordination and documentation of the Finish Material List.
 - Attend coordination meetings.

- **Bidding and Award:**
 - Lead in the documentation of the design concepts from the General Consultant and design Architect at an accelerated pace; HNTB PM will validate our understandings and selections before we proceed.
 - Document all public areas; including, but not limited to: public restrooms, public area floor and ceiling finish plans and public area interior wall elevations.
 - Assistance with the coordination of Room Data Sheets.
 - Coordination and Documentation of the Finish Material List.
 - Attend coordination meetings.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

Selbert Perkins Design - Scope of Services

- Prepare 100% Construction Documentation, update backgrounds and make necessary adjustments.
- Adjust sign specs and details to reflect the as-built products on P1.
- Update static wayfinding messages on the signs in P1 to respond to the circulation changes. Include the updates in the package.
- Coordinate messaging with GOAA Wayfinding team.
- Based on updated message layout styles in the GTF shop drawings, SPD to make updates to the P1X message layouts.
- Prepare Bid Package and provide Bid assistance.

<p style="text-align: center;">EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES</p>

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

TY Lin International - Scope of Services

TYLIN:

Mechanical Scope of work related to preparing P1X and the interface with Phase 1 as its own package:

- Review current Ph 1 and Ph 1X documents.
- Update Revit model and create 100% bid documents.
- Incorporate one set of HNTB/GOAA comments.
- Quality Control.
- Sign and seal drawings
- Scope assumes that there will not be any re-work/design of the Ph 1X system and that Revit Version 2016 will be used.
- Issue set of specifications.
- 100% submittals.
- Bidding and Award assistance is included.

Aircraft Layout, PBB, and Pavement Marking scope of work related to preparing P1X as its own package includes the following.

- Review current Ph 1 and Ph 1X documents. Incorporate latest impacts of Gate 240 to P1X.
- Include comments received from GOAA on Ph1, to include additional aircraft provided as well (3 wide bodies and 11 narrow body aircraft).
- Complete Design of pavement markings due to comments on Ph1.
- Update the CADD files and Revit plans.
- Pavement markings and aircraft layout will be coordinated with additional information for PBB's due to modifications made by GOAA.
- Complete modifications to VDGS to be evaluated (if not coordinated by others).
- Complete modifications due to service road or other changes made by Kimley-Horn to be coordinated.

EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

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- Update the CADD files and Revit plans.
- Pavement markings and aircraft layout will be coordinated with additional information for PBB's due to modifications made by GOAA.
- Complete modifications to VDGS to be evaluated (if not coordinated by others).
- Complete modifications due to service road or other changes made by Kimley-Horn to be coordinated.

Montgomery Consulting Group, Inc.:

Scope of work related to Phase 1X, which includes combining the sheets, generating the excel/DSI file, and coordination with the TYLin Team and HNTB team for one 100% submittal.

Avcon:

Scope of work for PBB Foundation includes:

- 100% submittals
- Incorporate one set of HNTB/GOAA comments.
- Quality Control
- Sign and seal drawing
- Bidding and Award assistance is included.

EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

C&S Engineers, Inc. - Scope of Services

Design Scope

- Design Duration is assumed 6 weeks for ASC phase 1x
- Attend weekly virtual design coordination meetings, (6).
- Revise 94 sheets to remove deferment designations and update drawing revisions.
- Review specification and identify applicable sections and check manufactures.
- Provide a demolition plans for the wall on CL13
- Provide a demolition plans for the south egress stair
- Revise the structural steel along CL 13 to accept the addition of Phase 1x addition.
- Visually observe and evaluate the condition of the existing concrete construction and stored steel then provide a repair is required.
- Coordinate with other trades and provide design support as required.
- Design and detail approximately 25 fire rated floors at the duct shafts as determined by HNTB.
- Apply RFI's and responses that were identified in phase 1 to phase 1X where applicable.
- Deliverables final 100%
- Respond to Bidding questions

Notes:

- It is assumed the existing installed and stored construction was installed and /or fabricated per the original construction documents and the contractor will survey and notify the engineer of any discrepancies.

EXHIBIT A SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

Matern Professional Engineering - Scope of Services

Please see attached fee tables for the work associated with restarting the P1X area of the Airside Building. This assumes that the Phase 1 electrical work will be left in place and the completion of the design for P1X will be completed as required to maximize speed/simplicity during construction. A 100% set of bid documents will be provided and includes assistance with bidding and award.

1. Fieldwork
2. Set-up
3. Power Floor Plans
4. Lighting Plans
5. Lightning Protection Plans
6. Grounding Plans
7. Risers
8. Panel Schedules & Calculations
9. Feeder & Mechanical Feeder Schedules
10. QA/QC
11. Sign & Seal
12. Exterior Lighting Plans (AVCON)
13. Panel Schedules (AVCON)
14. High Mast Lighting (AVCON)
15. VGDS (AVCON)
16. EFSO (AVCON)
17. QA/QC (AVCON)
18. Systems (BURNS)

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

**Completion of Design and Bid/Award Services for Deferred STC Airside
Concourse (ASC) 4-Gates Project Restart**

Syska Hennessy Group Design - Scope of Services

- 1) Scope of Engineering Services
 - a. Project Administration:
 - i. Prepare contract modifications and/or sub-consultant agreements for M/P local engineering sub-consultants to address the scope and fee requirements. Administration will include services to produce monthly invoices, required DBE document submittals, to prepare proposals and agreements, to provide internal resource management, to prepare requested program design services planning and analysis, and to communicate with GOAA, PM team and airport management on an on-call basis.
 - ii. Project Meetings - Attend project meetings as necessary with GOAA, Program Management team, Stakeholders and other entities as requested by the Airport staff for the purposes of reporting progress, coordination of activities, and obtaining input.
 - iii. Address comments on previously submitted documents for each Project milestone, prescribed during the designated review periods.
 - b. Design Services:
 - i. This work is for the restarting the P1X spaces within the Orlando Airport. It consists of completing the design of the southernmost four (4) gates and associated spaces. It includes any design changes and packaging for a complete Bid Package:

- ii. Connect all capped ductwork and piping crossing column grid line Y13 (MER-10) supplying P1X – on all levels.
- iii. Complete the design of the return riser currently used as Outside Air (OA) intake in MER-10, reconnect the OA from P1X for the two units other in the MER, and make ready the return riser for the other two air handlers.
- iv. Complete the design of OA duct routing and revise the OA duct layout inside MER to the pre-deferment design.
- v. Remove the OA intake from the roof and the OA louvered penthouse (will need structural engineer involvement).
- vi. Coordinate with structural, plumbing, and electrical.
- vii. Complete the design of ductwork, piping, schedules, riser diagram dwgs and the BMS sequence for this MER to pre-deferment design.
- viii. Connect all capped plumbing piping crossing column grid line Y13 supplying P1X.
- ix. Connect all capped plumbing penetrating the ground level floor slab.
- x. Complete the design of corresponding riser diagrams, schedules, calculations, and details to pre-deferment design.
- xi. Construction drawings in Revit and specifications, for the systems hereinafter described, and in accordance with the project schedule.
- xii. Remove deferment notes from all drawings.
- xiii. Prepare a separate drawing and specification package from the ST1 package.
- xiv. Update all documents to remove all prior revisions.
- xv. Update all documents to show updated package descriptions and dates.
- xvi. Provide a thorough QA/QC review.
- xvii. Coordinate with all other trades.
- xviii. The Engineer will submit to the Client an electronic media copy of final working drawing files with that submission.
- xix. Bid package will follow the same code(s) used for the main terminal building.
- xx. Since the design professional has no control over the cost of labor, materials, or equipment or over the Contractor's method of determining prices, or over competitive bidding or market conditions, his opinions of probable construction costs provided for herein are to be made on the basis of his/her experience and qualifications. These opinions represent the best judgment of a design professional familiar with the construction industry. However, the design professional cannot and does not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by

him/her. If the Owner wishes greater assurances to the construction cost, an independent cost estimator should be employed.

c. The services described in this Proposal will cover the following systems:

i. Mechanical Engineering:

1. Heating, Ventilating and Air Conditioning
2. Instrumentation and Control

ii. Plumbing:

1. Revise corresponding drawings, riser diagrams, schedules, calculations, and details to pre-deferment design.

2) Phase-Specific Activities and Deliverables:

a. Construction Documents (100%):

- i. Prepare a 100% CD set of documents. Produce Construction Documents drawings and final specifications for the program elements. The Construction Documents phase is intended to provide complete technical drawings in sufficient detail for final cost estimating (by others).

b. Bidding and Award:

- i. Update engineering drawings and specifications as require based on comments agreed upon on with other stakeholders.

3) Additional Services:

- a. Services which are not included in the basic fee can be performed as additional services.

4) Fee

- a. Please refer to the attached spreadsheet for fees related to the scope of work.

END OF SUB-DESIGNER'S SCOPE OF SERVICES

**Completion of Design and Bid/Award Services for Deferred STC P1X ASC 4-Gates
Project Restart**

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Bill Rate	Fees	
1	Completion of Design and Bid/Award Services for Deferred STC P1X ASC 4-Gates Project Restart	HNTB Corporation	Sr. Project Architect	413.00	\$167.00	\$68,971.00	\$167.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X ASC 4-Gates Project Restart	HNTB Corporation	Sr. Project Manager	1,620.00	\$209.00	\$338,580.00	\$209.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X ASC 4-Gates Project Restart	HNTB Corporation	Project Architect	560.00	\$131.00	\$73,360.00	\$131.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X ASC 4-Gates Project Restart	HNTB Corporation	Senior Program Director II	1,554.50	\$272.00	\$422,824.00	\$272.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X ASC 4-Gates Project Restart	HNTB Corporation	Assistant Project Manager	740.00	\$146.00	\$108,040.00	\$146.00
Sub-Total				4,887.50		\$1,011,775.00	\$207.01
Total				4,887.50		\$1,011,775.00	\$207.01

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

LUMP SUM							
Scope	Firm	GOAA-Approved - Job Classification	Hours	GOAA Approved Rate	Fees	Avg Rate	
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Horton Lees Brogden (HLB) Lighting Design	Principal	30.00	\$199.00	\$5,970.00	\$199.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Horton Lees Brogden (HLB) Lighting Design	Senior Associate	5.00	\$143.00	\$715.00	\$143.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Horton Lees Brogden (HLB) Lighting Design	Senior Designer	30.00	\$111.00	\$3,330.00	\$111.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Horton Lees Brogden (HLB) Lighting Design	Designer	15.00	\$83.00	\$1,245.00	\$83.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Horton Lees Brogden (HLB) Lighting Design	Design Assistant	10.00	\$67.00	\$670.00	\$67.00
Sub-Total				90.00		\$11,930.00	\$132.56
Total				90.00		\$11,930.00	\$132.56

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

LUMP SUM							
	Scope	Firm	GOAA-Approved - Job Classification	Hours	GOAA Approved 2020 Bill Rates	Fees with Rates Freeze	Avg Rate
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Jensen Hughes	QA/Sr. Principal Engineer	4.00	\$280.00	\$1,120.00	\$280.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Jensen Hughes	Sr. Project Manager (FP)	16.00	\$280.00	\$4,480.00	\$280.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Jensen Hughes	Senior Fire Protection Engineer	32.00	\$203.00	\$6,496.00	\$203.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Jensen Hughes	Staff Fire Protection Engineer	8.00	\$158.00	\$1,264.00	\$158.00
Sub-Total				60.00		\$13,360.00	\$222.67
Total				60.00		\$13,360.00	\$222.67

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

LUMP SUM							
	Scope	Firm	GOAA-Approved - Job Classification	Hours	GOAA Approved Bill Rates	Fees	Avg Rate
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Lerch Bates	Principal	8.00	\$251.00	\$2,008.00	\$251.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Lerch Bates	Sr. Project Manager	16.00	\$216.00	\$3,456.00	\$216.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Lerch Bates	Sr. Engineer	40.00	\$191.00	\$7,640.00	\$191.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Lerch Bates	Clerical	16.00	\$63.00	\$1,008.00	\$63.00
Sub-Total				80.00		\$14,112.00	\$176.40
Total				80.00		\$14,112.00	\$176.40

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Bill Rate	Fees	
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	PROJECT MANAGER	340.00	\$142.00	\$48,280.00	\$142.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	PROJECT ARCHITECT	650.00	\$115.00	\$74,750.00	\$115.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	REVIT II	650.00	\$98.00	\$63,700.00	\$98.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	PRINCIPAL	140.00	\$142.00	\$19,880.00	\$142.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	SPECIFICATION WRITER	200.00	\$87.00	\$17,400.00	\$87.00
6	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	REVIT I	640.00	\$87.00	\$55,680.00	\$87.00
7	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	MLM-Martin Architects Inc.	CLERICAL II	140.00	\$70.00	\$9,800.00	\$70.00
Sub-Total				2,760.00		\$289,490.00	\$104.89
Total				2,760.00		\$289,490.00	\$104.89

Completion of Design and Bid/Award Services for Deferred STC P1X Airside Concourse (4-Gates) Project Restart

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		
					GOAA Approved Bill Rate	Fees	Avg Rate
1	Completion of Design and Bid/Award Services for Deferred STC P1X Airside Concourse (4-Gates) Project Restart	Montgomery Consulting Group, Inc.	Senior Project Manager	80.00	\$191.00	\$15,280.00	\$191.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X Airside Concourse (4-Gates) Project Restart	Montgomery Consulting Group, Inc.	Senior Cost Estimator	100.00	\$172.00	\$17,200.00	\$172.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X Airside Concourse (4-Gates) Project Restart	Montgomery Consulting Group, Inc.	Cost Estimator	100.00	\$101.00	\$10,100.00	\$101.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X Airside Concourse (4-Gates) Project Restart	Montgomery Consulting Group, Inc.	Bus. Process Analyst	36.00	\$101.00	\$3,636.00	\$101.00
Sub-Total				316.00		\$46,216.00	\$146.25
Total				316.00		\$46,216.00	\$146.25

**Completion of Design and Bid/Award Services for Deferred STC P1X AirSide
Concourse (ASC) 4-Gates Project Restart**

	Scope	Firm	GOAA-Approved - Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Bill Rate	Fees	
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Ramski & Company	Interior Designer	280.00	\$72.00	\$20,160.00	\$72.00
Sub-Total				280.00		\$20,160.00	\$72.00
Total				280.00		\$20,160.00	\$72.00

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

LUMP SUM							
Scope	Firm	GOAA-Approved - Job Classification	Hours	GOAA Approved 2020 Bill Rates	Fees with Rates Freeze	Avg Rate	
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Selbert Perkins Design	Partner	5.00	\$293.00	\$1,465.00	\$293.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Selbert Perkins Design	Design Director	40.00	\$197.00	\$7,880.00	\$197.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Selbert Perkins Design	Senior Designer	60.00	\$115.00	\$6,900.00	\$115.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Selbert Perkins Design	Senior CADD Designer	20.00	\$99.00	\$1,980.00	\$99.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Selbert Perkins Design	CADD Designer	18.00	\$73.00	\$1,314.00	\$73.00
6	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Selbert Perkins Design	Designer	5.00	\$64.00	\$320.00	\$64.00
			Sub-Total	148.00		\$19,859.00	\$134.18

Total	148.00
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\$19,859.00	\$134.18
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**Completion of Design and Bid/Award Services for Deferred STC P1X AirSide
Concourse (ASC) 4-Gates Project Restart**

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Rate	Fees	
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	C&S Engineers Inc	Principal	68.00	\$215.00	\$14,620.00	\$215.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	C&S Engineers Inc	Principal Travel	16.00	\$259.00	\$4,144.00	\$259.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	C&S Engineers Inc	Senior Project Manager	115.00	\$173.00	\$19,895.00	\$173.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	C&S Engineers Inc	Senior Engineer	160.00	\$123.00	\$19,680.00	\$123.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	C&S Engineers Inc	Engineer	138.00	\$103.00	\$14,214.00	\$103.00
6	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	C&S Engineers Inc	Administrative Assistant	4.00	\$64.00	\$256.00	\$64.00
7	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Base Consulting	Senior PM	14.00	\$188.00	\$2,632.00	\$188.00
8	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Base Consulting	Project Engineer	40.00	\$114.00	\$4,560.00	\$114.00
9	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Base Consulting	Project Manager	24.00	\$167.00	\$4,008.00	\$167.00
10	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Base Consulting	BIM Manager	120.00	\$88.00	\$10,560.00	\$88.00
Sub-Total				699.00		\$94,569.00	\$135.29
Total				699.00		\$94,569.00	\$135.29

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Rate	Fees	
1	Fieldwork	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	40.00	\$141.00	\$5,640.00	\$141.00
	Fieldwork	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	64.00	\$88.00	\$5,632.00	\$88.00
2	Set-up	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	8.00	\$141.00	\$1,128.00	\$141.00
	Set-up	Matern Professional Engineering, Inc.	CADD Tech	64.00	\$68.00	\$4,352.00	\$68.00
3	Power Floor Plans	Matern Professional Engineering, Inc.	Principal Engineer	3.00	\$224.00	\$672.00	\$224.00
	Power Floor Plans	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	54.00	\$141.00	\$7,614.00	\$141.00
	Power Floor Plans	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	96.00	\$88.00	\$8,448.00	\$88.00
4	Lighting Plans	Matern Professional Engineering, Inc.	Principal Engineer	2.00	\$224.00	\$448.00	\$224.00
	Lighting Plans	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	36.00	\$141.00	\$5,076.00	\$141.00
	Lighting Plans	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	72.00	\$88.00	\$6,336.00	\$88.00
5	Lightning Protection Plans	Matern Professional Engineering, Inc.	Principal Engineer	1.00	\$224.00	\$224.00	\$224.00
	Lightning Protection Plans	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	18.00	\$141.00	\$2,538.00	\$141.00
	Lightning Protection Plans	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	36.00	\$88.00	\$3,168.00	\$88.00
6	Grounding Plans	Matern Professional Engineering, Inc.	Principal Engineer	1.00	\$224.00	\$224.00	\$224.00
	Grounding Plans	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	18.00	\$141.00	\$2,538.00	\$141.00
	Grounding Plans	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	36.00	\$88.00	\$3,168.00	\$88.00
7	Risers	Matern Professional Engineering, Inc.	Principal Engineer	6.00	\$224.00	\$1,344.00	\$224.00
	Risers	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	68.00	\$141.00	\$9,588.00	\$141.00
	Risers	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	60.00	\$88.00	\$5,280.00	\$88.00
8	Panel Schedules & Calculations	Matern Professional Engineering, Inc.	Principal Engineer	32.00	\$224.00	\$7,168.00	\$224.00
	Panel Schedules & Calculations	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	80.00	\$141.00	\$11,280.00	\$141.00
	Panel Schedules & Calculations	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	48.00	\$88.00	\$4,224.00	\$88.00
9	Feeder & Mechanical Feeder Schedules	Matern Professional Engineering, Inc.	Principal Engineer	12.00	\$224.00	\$2,688.00	\$224.00
	Feeder & Mechanical Feeder Schedules	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	68.00	\$141.00	\$9,588.00	\$141.00
	Feeder & Mechanical Feeder Schedules	Matern Professional Engineering, Inc.	Engineer/ Designer III/ Field Tech III	96.00	\$88.00	\$8,448.00	\$88.00
10	QAQC	Matern Professional Engineering, Inc.	Principal Engineer	12.00	\$224.00	\$2,688.00	\$224.00

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		
					GOAA Approved Rate	Fees	Avg Rate
	QAQC	Matern Professional Engineering, Inc.	Sr. Project Manager/ QC/Engineer V	24.00	\$141.00	\$3,384.00	\$141.00
	QAQC	Matern Professional Engineering, Inc.	CADD Tech	40.00	\$68.00	\$2,720.00	\$68.00
11	Sign & Seal	Matern Professional Engineering, Inc.	Principal Engineer	2.00	\$224.00	\$448.00	\$224.00
12	Exterior Lighting Plans	Avcon, Inc.	Project Manager	4.00	\$197.00	\$788.00	\$197.00
	Exterior Lighting Plans	Avcon, Inc.	Senior Engineer	6.00	\$144.00	\$864.00	\$144.00
	Exterior Lighting Plans	Avcon, Inc.	Project Engineer / Designer	20.00	\$114.00	\$2,280.00	\$114.00
	Exterior Lighting Plans	Avcon, Inc.	Senior CADD Designer	78.00	\$106.00	\$8,268.00	\$106.00
13	Panel Schedules	Avcon, Inc.	Senior Engineer	4.00	\$144.00	\$576.00	\$144.00
	Panel Schedules	Avcon, Inc.	Project Engineer / Designer	8.00	\$114.00	\$912.00	\$114.00
	Panel Schedules	Avcon, Inc.	Senior CADD Designer	14.00	\$106.00	\$1,484.00	\$106.00
	Panel Schedules	Avcon, Inc.	Administrative	2.00	\$64.00	\$128.00	\$64.00
14	High Mast Lighting	Avcon, Inc.	Project Manager	4.00	\$197.00	\$788.00	\$197.00
	High Mast Lighting	Avcon, Inc.	Senior Engineer	6.00	\$144.00	\$864.00	\$144.00
	High Mast Lighting	Avcon, Inc.	Project Engineer / Designer	8.00	\$114.00	\$912.00	\$114.00
	High Mast Lighting	Avcon, Inc.	Senior CADD Designer	12.00	\$106.00	\$1,272.00	\$106.00
15	VDGS	Avcon, Inc.	Project Manager	1.00	\$197.00	\$197.00	\$197.00
	VDGS	Avcon, Inc.	Senior Engineer	2.00	\$144.00	\$288.00	\$144.00
	VDGS	Avcon, Inc.	Project Engineer / Designer	4.00	\$114.00	\$456.00	\$114.00
	VDGS	Avcon, Inc.	Senior CADD Designer	12.00	\$106.00	\$1,272.00	\$106.00
16	EFSO	Avcon, Inc.	Project Manager	1.00	\$197.00	\$197.00	\$197.00
	EFSO	Avcon, Inc.	Senior Engineer	2.00	\$144.00	\$288.00	\$144.00
	EFSO	Avcon, Inc.	Project Engineer / Designer	4.00	\$114.00	\$456.00	\$114.00
	EFSO	Avcon, Inc.	Senior CADD Designer	12.00	\$106.00	\$1,272.00	\$106.00
17	QA/QC	Avcon, Inc.	Senior Project Manager - QA/QC	4.00	\$236.00	\$944.00	\$236.00
	QA/QC	Avcon, Inc.	Administrative	2.00	\$66.00	\$132.00	\$66.00
18	Design Services	Burns Engineering, Inc.	Principal	4.00	\$255.00	\$1,020.00	\$255
	Design Services	Burns Engineering, Inc.	Senior Project Manager	20.00	\$261.00	\$5,220.00	\$261
	Design Services	Burns Engineering, Inc.	Senior Engineer	68.00	\$193.00	\$13,124.00	\$193
	Design Services	Burns Engineering, Inc.	QA/QC Reviewer	4.00	\$185.00	\$740.00	\$185
Sub-Total				1,403.00		\$170,796.00	\$121.74
Total				1,403.00		\$170,796.00	\$121.74

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

Item	Scope	Firm	GOAA-Approved Job Classification	Hours	LUMP SUM		Avg Rate
					GOAA Approved Rate	Fees	
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	Principal (PIC)	8.00	\$331.00	\$2,648.00	\$331.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	MP Design Director/Oversight	24.00	\$248.00	\$5,952.00	\$248.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	Technical Manager	16.00	\$225.00	\$3,600.00	\$225.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	Senior Project Manager	48.00	\$209.00	\$10,032.00	\$209.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	Senior Project Manager - Travel	160.00	\$265.00	\$42,400.00	\$265.00
6	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	Senior Engineer	36.00	\$157.00	\$5,652.00	\$157.00
7	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	Engineer	120.00	\$140.00	\$16,800.00	\$140.00
8	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Syska Hennessy Group	CAD/BIM Design Coordinator	64.00	\$87.00	\$5,568.00	\$87.00
9	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	SGM Engineering, Inc.	Project Manager	8.00	\$152.00	\$1,216.00	\$152.00
10	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	SGM Engineering, Inc.	Senior Engineer	60.00	\$152.00	\$9,120.00	\$152.00
11	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	SGM Engineering, Inc.	Mechanical / Electrical Engineer	24.00	\$101.00	\$2,424.00	\$101.00
12	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	VoltAir Consulting Engineers, Inc	Senior Engineer	40.00	\$103.00	\$4,120.00	\$103.00
Sub-Total				608.00		\$109,532.00	\$180.15

Total	608.00
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\$109,532.00	\$180.15
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Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

LUMP SUM FEE							
Item	Scope	Firm	GOAA-Approved Job Classification	Hours	GOAA Approved Rate	LS Fees	Avg Rate
1	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	QC Reviewer	24.00	\$236.00	\$5,664.00	\$236.00
2	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	Sr. Project Manager	32.00	\$236.00	\$7,552.00	\$236.00
3	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	Sr. Engineer	80.00	\$170.00	\$13,600.00	\$170.00
4	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	Project Engineer	40.00	\$146.00	\$5,840.00	\$146.00
5	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	Engineer	40.00	\$100.00	\$4,000.00	\$100.00
6	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	Sr. CADD Designer	60.00	\$97.00	\$5,820.00	\$97.00
7	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	CADD Technician	80.00	\$73.00	\$5,840.00	\$73.00
8	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	T.Y. Lin International	Clerical	4.00	\$52.00	\$208.00	\$52.00
9	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Avcon, Inc.	Senior Project Manager - QA/QC	1.00	\$229.00	\$229.00	\$229.00
10	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Avcon, Inc.	Project Manager	2.00	\$197.00	\$394.00	\$197.00

Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart

LUMP SUM FEE							
Item	Scope	Firm	GOAA-Approved Job Classification	Hours	GOAA Approved Rate	LS Fees	Avg Rate
11	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Avcon, Inc.	Senior Engineer	7.00	\$144.00	\$1,008.00	\$144.00
12	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Avcon, Inc.	Senior CADD Designer	4.00	\$106.00	\$424.00	\$106.00
13	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Avcon, Inc.	Administrative	2.00	\$66.00	\$132.00	\$66.00
14	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Montgomery Consulting Group, Inc.	Senior Project Manager	8.00	\$191.00	\$1,528.00	\$191.00
15	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Montgomery Consulting Group, Inc.	Senior CAD Technician	24.00	\$104.00	\$2,496.00	\$104.00
16	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	Montgomery Consulting Group, Inc.	Contract Administrator	4.00	\$65.00	\$260.00	\$65.00
17	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	TLC Engineering for Architecture	Senior Engineer/Project Manager	16.00	\$209.00	\$3,344.00	\$209.00
18	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	TLC Engineering for Architecture	Sustainability / Energy Consultant	24.00	\$185.00	\$4,440.00	\$185.00
19	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	TLC Engineering for Architecture	Engineer	36.00	\$111.00	\$3,996.00	\$111.00
20	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	TLC Engineering for Architecture	Clerical	4.00	\$70.00	\$280.00	\$70.00

**Completion of Design and Bid/Award Services for Deferred STC P1X AirSide
Concourse (ASC) 4-Gates Project Restart**

LUMP SUM FEE							
Item	Scope	Firm	GOAA-Approved Job Classification	Hours	GOAA Approved Rate	LS Fees	Avg Rate
21	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	VoltAir Consulting Engineers, Inc	Principal	2.00	\$136.00	\$272.00	\$136.00
22	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	VoltAir Consulting Engineers, Inc	Senior Project Manager	16.00	\$103.00	\$1,648.00	\$103.00
23	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	VoltAir Consulting Engineers, Inc	Senior Engineer	16.00	\$103.00	\$1,648.00	\$103.00
24	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	VoltAir Consulting Engineers, Inc	QC	4.00	\$103.00	\$412.00	\$103.00
25	Completion of Design and Bid/Award Services for Deferred STC P1X AirSide Concourse (ASC) 4-Gates Project Restart	VoltAir Consulting Engineers, Inc	Clerical	4.00	\$39.00	\$156.00	\$39.00
Sub-Total				534.00		\$71,191.00	\$133.32
Total				534.00		\$71,191.00	\$133.32

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: March 25, 2022



MEMORANDUM

To: Members of the Construction Committee

From: Edelis Molina, Sr. Small Business Administrator

Date: April 05, 2022

Re: Request for Recommendation of Approval of an Addendum 34 to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Design, Bid & Award Services for Previously Deferred STC Airside Concourse (ASC) 4-Gates 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 DBE specifications and determined that HNTB Corporation proposes 21.5% DBE participation on this Addendum.

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

DBE UTILIZATION FORM FOR 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 34 to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Design, Bid & Award Services for Previously Deferred STC Airside Concourse (ASC) 4-Gates 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. DBE Goal by Group Representation:

Asian Pacific American	_____	Actual Result	_____
Asian Subcontinent American	_____	Actual Result	_____
Black American	_____	Actual Result	_____
Caucasian Female American	_____	Actual Result	_____
Hispanic American	_____	Actual Result	_____
Native American	_____	Actual Result	_____
Other	_____	Actual Result	_____
Total DBE Participation	_____	Actual Result	_____

4. Engineering/Professional Services Information:

Addendum Amount: 1,872,990.00

5. DBE Goal by Group Representation:

Asian Pacific American	_____	Actual Result	_____
Asian Subcontinent American	<u>21,760.00</u>	Actual Result	<u>1.2%</u>
Black American	<u>8,256.00</u>	Actual Result	<u>0.4%</u>
Caucasian Female American	<u>82,590.00</u>	Actual Result	<u>4.4%</u>
Hispanic American	<u>289,490.00</u>	Actual Result	<u>15.5%</u>
Native American	_____	Actual Result	_____
Other	_____	Actual Result	_____
Total DBE Participation	<u>402,096.00</u>	Actual Result	<u>21.5%</u>

3.a. Prime Contractor Information:

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

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

3.b. Name and Address of DBE Subcontractor

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

6.b. Name and Address of DBE Subconsultant

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

3.c. *Identity:

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

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: 04/05/22
 for George I. Morning, Director of Small Business Development Department

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

DBE Subcontractor/Subconsultant Certification

Project Name & Number: Request for Recommendation of Approval of an Addendum 34 to the Architect of Record Services for the South Terminal C, Phase 1 Agreement with HNTB Corporation for Design, Bid & Award Services for Previously Deferred STC Airside Concourse (ASC) 4-Gates 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: \$1,872,990.00

Company Name Horton Lees Brogden Lighting Design Inc.
Address 38 East 32nd Street
City, State, Zip New York, NY 10016
Phone 212-674-5580
Identity Caucasian Female American
Work Item Lighting Design Support (Sub of HNTB)
Amount of Subcontract \$11,930.00
% of Prime Contract 0.6%

MLM-Martin Architects, Inc.
668 N. Orlando Ave., Suite 107
Maitland, FL 32751
407-897-6764
Hispanic American
Architecural Design Support (Sub of HNTB)
\$289,490.00
15.5%

Company Name Montgomery Consulting Group, Inc.
Address 976 Lake Baldwin Lane, Suite 201
City, State, Zip Orlando, FL 32814-6687
Phone 407-539-7030
Identity Caucasian Female American
Work Item Cost Estimating (Sub of HNTB)
Amount of Subcontract \$46,216.00
% of Prime Contract 2.5%

Ramski & Company, Inc.
500 Delaney Avenue, Suite 301
Orlando, FL 32801
407-898-6570
Caucasian Female American
Architecural Design Support (Sub of HNTB)
20,160.00
1.1%

Company Name Base Consultants, Inc.
Address 1214 E. Concord Street
City, State, Zip Orlando, FL 32803
Phone 407-377-7227
Identity Asian Subcontinent American
Work Item Structural Design Support (Sub of C&S)
Amount of Subcontract 21,760.00
% of Prime Contract 1.2%

VoltAir Consulting Engineers, Inc.
6005 Benjamin Road, Ste A
Tampa, FL 33634
888-891-9713
Black American
Mech/Plumbing Design Support (Sub of Syska)
4,120.00
0.2%

Company Name Montgomery Consulting Group, Inc.
Address 976 Lake Baldwin Lane, Suite 201
City, State, Zip Orlando, FL 32814-6687
Phone 407-539-7030
Identity Caucasian Female American
Work Item Cost Estimating/Project Controls (Sub of TY Lin)
Amount of Subcontract \$4,284.00
% of Prime Contract 0.2%

VoltAir Consulting Engineers, Inc.
6005 Benjamin Road, Ste A
Tampa, FL 33634
888-891-9713
Black American
Electrical Support (Sub of TY Lin)
4,136.00
0.2%

\$402,096.00 **21.5%**
\$1,872,990.00

REQUEST FOR RECOMMENDATION OF AN ADDENDUM TO THE ARCHITECT OF RECORD SERVICES FOR THE SOUTH TERMINAL C, PHASE 1 AGREEMENT WITH HNTB CORPORATION FOR DESIGN, BID AND AWARD SERVICES FOR PREVIOUSLY DEFERRED STC AIRSIDE CONCOURSE (ASC) 4-GATES FOR W-S00110, SOUTH TERMINAL C, PHASE 1 – ARCHITECT OF RECORD SERVICES (& MAJOR SUBS), AT THE ORLANDO INTERNATIONAL AIRPORT.

18. [A handout was presented, which included a revised Memorandum.] Mr. Corthell presented the memorandum, dated April 5, 2022. Discussion ensued.

Ms. Sharman stated that this item is subject to Construction Finance Oversight Committee (CFOC).

Upon motion of Mr. Hunt, second by Mr. Pelletier, 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 Design, Bid and Award Services for Previously Deferred STC Airside Concourse (ASC) 4-Gates for W-S00110, South Terminal C (Phase 1) – Architect of Record Services (& Major Subs), for the total lump sum fee amount of \$1,872,990.00, with funding from General Airport Revenue Bonds and Passenger Facility Charges to the extent eligible, subject to CFOC.

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE PROGRAM AND PROJECT MANAGEMENT SERVICES FOR THE SOUTH TERMINAL C, PHASE 1 AGREEMENT WITH GEOTECH CONSULTANTS INTERNATIONAL, INC. TO PROVIDE DESIGN PHASE OAR SERVICES RELATED TO LANDSCAPING AND IRRIGATION INSTALLATION FOR FY 2022 FOR W-S00111, SOUTH TERMINAL C, PHASE 1 – PROGRAM AND PROJECT MANAGEMENT SERVICES (OAR). AT THE ORLANDO INTERNATIONAL AIRPORT.

19. [A handout was presented, which included a revised Memorandum and Backup Documentation.] Mr. Kieffer presented the memorandum, dated April 5, 2022.

Upon motion of Mr. Hunt, second by Mr. Pelletier, vote carried to approve an Addendum to the Program and Project Management Services for the South Terminal C, Phase 1 Agreement with Geotech Consultants International, Inc. to provide Design Phase OAR Services related to landscaping and irrigation installation for FY 2022 for W-S00111, South Terminal C (Phase 1) – Program and Project Management Services (OAR), for the total not-to-exceed fee amount of \$9,869.00, with funding from General Airport Revenue Bonds.

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE TECHNOLOGY AND MULTI-MEDIA SYSTEMS SPECIALTY ENGINEER FOR THE SOUTH TERMINAL C, PHASE 1 AGREEMENT WITH BURNS ENGINEERING, INC. FOR DESIGN SERVICES FOR THE SOUTH TERMINAL C, PHASE 1 TEMPORARY QUICK TURN-AROUND (QTA) FOR W-S00113, SOUTH TERMINAL C, PHASE 1 - TECHNOLOGY AND MULTI-MEDIA SERVICES, AT THE ORLANDO INTERNATIONAL AIRPORT.

20. Mr. Corthell presented the memorandum, dated April 5, 2022. Agenda Item Nos. 20 and 31 were considered in one motion. Discussion ensued.

Upon motion of Mr. Hunt, second by Mr. Gilliam, vote carried to approve an Addendum to the Technology and Multi-Media Systems Specialty Engineer for the South Terminal C, Phase 1 Agreement with Burns Engineering, Inc. for Design Services for the South Terminal C, Phase 1 Temporary Quick Turn-Around (QTA) for W-S00113, South Terminal C, Phase 1 - Technology and Multi-Media Services, for the total lump sum fee amount of \$39,144.00, with funding from Customer Facility Charges.

REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE TECHNOLOGY AND MULTI-MEDIA SYSTEMS SPECIALTY ENGINEER FOR THE SOUTH TERMINAL C, PHASE 1 AGREEMENT WITH BURNS ENGINEERING, INC. FOR DESIGN, BID AND AWARD SERVICES FOR THE PREVIOUSLY DEFERRED AIRSIDE CONCOURSE (ASC) P1X FOR W-S00113, SOUTH TERMINAL C, PHASE 1 – TECHNOLOGY AND MULTI-MEDIA SERVICES, AT THE ORLANDO INTERNATIONAL AIRPORT.

21. [A handout was presented, which included a revised Memorandum.] Mr. Corthell presented the memorandum, dated April 5, 2022.

Ms. Sharman stated that this item is subject to Construction Finance Oversight Committee (CFOC).

Upon motion of Mr. Hunt, second by Mr. Pelletier, vote carried to approve an Addendum to the Technology and Multi-Media Systems Specialty Engineer for the South Terminal C, Phase 1 Agreement with Burns Engineering, Inc. for Design, Bid and Award Services for the Previously Deferred Airside Concourse (ASC) P1X for W-S00113, South Terminal C, Phase 1 – Technology and Multi-Media Services, for the total lump sum fee amount of \$165,130.00, with funding from General Airport Revenue Bonds and Passenger Facility Charges to the extent eligible, subject to CFOC.



MEMORANDUM

TO: Members of the Aviation Authority

FROM: Davin D. Ruohomaki, Chairman, Construction Committee

DATE: April 20, 2022

ITEM DESCRIPTION

Recommendation of the Construction Committee to Approve Addendum No. 41 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for Design, Bid and Award Services for the Previously Deferred South Terminal C Four Airside Concourse Gates for W-S00110, South Terminal C, Phase 1 - Architect of Record (and Major Subconsultants) at the Orlando International Airport

BACKGROUND

The South 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 24 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 South 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 South 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 the STC:

- 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 South Terminal C, Phase 1, included sixteen gates as part of the Airside Concourse. In 2018, the Authority expanded the initial design to include three additional gates and related capacity improvements, such as an additional airfield paving and an additional baggage handling carousel in the Landside Terminal. The Authority's Capital Improvement Plan refers to this expansion as South Terminal C, Phase 1X. In 2020, portions of Phase 1 and Phase 1X were deferred as a result of the COVID-19 pandemic, including four Airside Concourse gates. After the deferral of those gates, 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.

In November 2021, the Bipartisan Infrastructure Law (BIL) was passed, including a discretionary grant program administered by the Federal Aviation Administration (FAA). To apply for the grant, the Authority had to update its Capital Improvement Plan (CIP) to reflect both the BIL entitlement grants and the discretionary grant. In March 2022, the Authority's updated CIP included a new **South Terminal C Phase 1 Expansion Airside Concourse Gates (ACG) Restart Program**. Since then, the Authority submitted its initial grant application and is awaiting a determination from the FAA.

ISSUES

A fast-track completion of the design, bid and award services for the South Terminal C Phase 1 Expansion Airside Concourse Gates (ACG) Restart Program is now required. To comply with the grant requirements, the Authority must solicit construction bids that are in compliance with federal funding requirements. HNTB Corporation, as the STC Architect of Record, along with the previously-selected major subconsultants, will prepare the construction bid documents in accordance with the federal requirements. The Authority intends to advertise the bid package in June 2022 and award the construction contract in August 2022, subject to receipt of the federal grant. If the grant is not received, the funding plan will be re-evaluated as part of the annual CIP update at the August 2022 board meeting.

A fee has been negotiated with HNTB Corporation for Design, Bid and Award Services for the previously-deferred STC Four Airside Concourse Gates for W-S00110, South Terminal C, Phase 1, at the Orlando International Airport, for the total amount of \$1,872,990. 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 that includes all applicable federal contract terms..

The Aviation Authority has reviewed the proposals from HNTB Corporation, and determined that HNTB Corporation proposes to achieve 21.5% Disadvantaged Business Enterprise (DBE) participation for these services.

On April 5, 2022, the Construction Committee recommended approval of Addendum No. 41 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for Design, Bid and Award Services for the Previously Deferred STC Four Airside Concourse Gates for W-S00110, South 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 \$1,872,990, to be funded from the South Terminal C Phase 1 Expansion Airside Concourse Gates (ACG) Restart Program budget.

RECOMMENDED ACTION

It is respectfully requested that the Aviation Authority Board resolve to accept the recommendation of the Construction Committee and approve Addendum No. 41 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for Design, Bid and Award Services for the Previously Deferred STC Four Airside Concourse Gates for W-S00110, South Terminal C, Phase 1 - Architect of Record (and Major Subconsultants) at the Orlando International Airport, for the total lump sum fee amount of \$1,872,990, with funding from Passenger Facility Charges to the extent eligible and General Airport Revenue Bonds and, (3) authorize an Aviation Authority Officer or the Chief Executive Officer to execute the necessary documents following satisfactory review by legal counsel. ✓