

**AMENDMENT NO. 2 TO ADDENDUM NO. 47
TO AGREEMENT DATED DECEMBER 10, 2015
BETWEEN THE GREATER ORLANDO AVIATION AUTHORITY
AND HNTB CORPORATION**

Project: Additional Podium Glare Study for Changing Regulatory Requirements Program for W-S110 South Terminal C, Phase 1 - Architect of Record Services, Orlando International Airport

THIS AMENDMENT is effective as of this 21st day of May, 2024, by and between the **GREATER ORLANDO AVIATION AUTHORITY** ("Aviation Authority") and **HNTB CORPORATION** ("Consultant").

WITNESSETH

WHEREAS, by Agreement dated December 10, 2015, Aviation Authority and Consultant entered into an Agreement for Consultant to provide Architect of Record for the South Terminal C, Phase 1; and

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

WHEREAS, Aviation Authority and Consultant desire to enter into this Amendment 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, Aviation Authority and Consultant hereto 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 TWENTY-THREE THOUSAND SIX HUNDRED EIGHTY-SEVEN AND NO DOLLARS (\$23,687.00)**, broken down as follows:

Professional Fees:	NTE:	\$21,042.00
Professional Fees:	LS:	\$2,645.00
Reimbursable Expenses:	NTE:	<u>\$0.00</u>
Total:		\$23,687.00

3. Except as expressly modified in this Amendment, 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 Amendment No. 2 to Addendum No. 47 this day of June 4, 2024.


GREATER ORLANDO AVIATION AUTHORITY



By:  4W8BQ9Z1-42LP9XWX
Max Marble
Sr. Vice President, Capital Programs


Approved as to Form and Legality
(for the benefit of GOAA only)
this day of May 30, 2024



By:  1J8RLK51-42LP9XWX
**NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority**

HNTB CORPORATION



By:  4YL6PRQ1-42LP9XWX
Printed: George Gilhooley
Title: SVP

MEMORANDUM

TO: Members of the Construction Committee

FROM: Scott Shedek, Vice President for Construction (as prepared by Ksenia Merck, OAR)

DATE: May 21, 2024

ITEM DESCRIPTION

Request for Approval of an Amendment to Addendum 47 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for an additional Podium Glare Study for the Changing Regulatory Requirements Program for W-S00110, Terminal C Phase 1-Architect of Record (and Major Subconsultants), at the Orlando International Airport

BACKGROUND

On April 11, 2023 Design Modification services were approved for \$177,246.00 and on August 29, 2023 Additional Design Modification services were approved for \$36,626.00 by the Construction Committee for CBP Modifications at Terminal C. Since that time, additional services have been requested for a light study at the FIS.

ISSUES

HNTB’s proposal, dated May 10, 2024, is to provide additional services for a Light study at the FIS at the podiums to assess the effectiveness for the proposed glare solution to ensure it will be effective throughout the day and through the seasonal changes in light angles.

If approved, services will be effective the date of Construction Committee approval.

This continuing consultant was selected for this task based on (☑ all that apply):

- Experience
- Available Personnel
- Current Workload
- Expertise
- Equitable Distribution
- Other: _____

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

Funding is from previously approved General Airport Revenue Bonds (GARBs). Funding source verified by Melvin Martinez of Construction Finance on 05 / 15 / 24 as correct and available.

RECOMMENDED ACTION

It is respectfully requested that the Construction Committee approve an Amendment to Addendum 47 to the Architect of Record Services for South Terminal C, Phase 1 Agreement with HNTB Corporation for the services contained herein and the amount as shown below:

Not to Exceed Fees	\$21,042.00
Lump Sum Fees	\$2,645.00
Not to Exceed Expenses	\$0.00
TOTAL	\$23,687.00
AAC – Compliance Review Date	<i>SJ</i> 05/14/24
AAC – Funding Eligibility Review Date	05/14/24

May 10, 2024

Mr. Scott Shedek
Vice President, Construction
Greater Orlando Aviation Authority
11314 Terminal C Service Rd.
Orlando, Florida 32824

Re: **WS110 Amendment 2 to Addendum 47 – Design Proposal for Changes Requested by Customs and Border Protection for Terminal C Facility – Podium Glare Light Study**
HNTB Job No. 61581

Dear Mr. Shedek:

HNTB, with subconsultant HLB is pleased to submit this proposal to provide additional services to conduct the requested podium glare light study desired by GOAA and the OAR for the Terminal C Customs and Border Protection area.

SCOPE OF WORK:

The light study will be performed to assess the effectiveness of the proposed glare solution to ensure it will be effective throughout the day and through the seasonal changes in light angles. The detailed breakdowns of the scope and fees are included in the attachments.

SCHEDULE:

From receipt of a notice to proceed, a report will be delivered in 3 weeks.

FEE:

The proposed design fees and MWBE/LDB participation for the team are summarized in the following table.

Firms	PODIUMS	TOTAL
HNTB Corporation Lump Sum	\$2,645.00	\$2,645.00
HNTB Corporation NTE	\$0.00	\$0.00
HLB NTE	\$21,042.00	\$21,042.00
Total Lump Sum Fee	\$2,645.00	\$2,645.00
Total NTE Fee	\$21,042.00	\$21,042.00
Total Contract	\$23,687.00	\$23,687.00
MWBE	\$21,042.00	\$21,042.00
MWBE %	88.83%	88.83%
LDB	\$0.00	\$0.00
LDB %	0.00%	0.00%

Thank you for the opportunity to continue to serve the Authority with these design services.

Sincerely,
HNTB Corporation

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

William G. Brooks, PE
Senior Program Director

Cc: Max Marble, Sr. Vice President, Capital Program, GOAA
Danielle Plummer, Manager, Contracts and Grants, GOAA
Ksenia Merck, OAR;
Erik Lange, HNTB
George Gilhooley, Principal, HNTB

Attachments: Fee Tables
Scope Documents
Truth in Negotiation Certification

**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-1
SUMMARY OF TOTAL CONTRACT VALUE**

Phase of Project:	Design Report	TOTAL CONTRACT
1.0 Lump Sum Fee:	\$2,645	\$2,645
2.0 Not to Exceed Reimbursable Fee:	\$21,042	\$21,042
3.0 Not to Exceed Reimbursable Expenses:	\$0	\$0
4.0 TOTAL CONTRACT VALUE:	\$23,687	\$23,687

Total Lump Sum Labor Hours:	9	9
Total Not to Exceed Reimbursable Labor Hours:	169	169
TOTAL LABOR HOURS:	178	178
Average Hourly Rate:	\$133	\$133

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-2
SUMMARY OF LUMP SUM FEES

Phase of Project:	Design Report		TOTAL		
	labor hours	Total Fee	labor hours	Cost	Avg. Rate
HNTB TEAM					
HNTB Corporation Core					
Lump Sum Fee Subtotal	9	\$2,645	9	\$2,645	\$294
Total Lump Sum Amount:	9	\$2,645	9	\$2,645	\$294

**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-3
BREAKDOWN OF LUMP SUM FEES**

Position:	SENIOR PROGRAM DIRECTOR II		SR PROJECT MANAGER I		TOTAL		
	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Rate (\$/Hour):		\$300.00		\$245.00			
HNTB Corporation - Core							
Design Report							
Meetings	3	\$900	0	\$0	3	\$900	\$300
Subconsultant Coordination	1	\$300	0	\$0	1	\$300	\$300
QA/QC	4	\$1,200	1	\$245	5	\$1,445	\$289
TOTAL LUMP SUM FEE:	8	\$2,400	1	\$245	9	\$2,645	\$294

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES

Phase of Project:	Design Report		TOTAL		
	labor hours	Total Fee	labor hours	Cost	Avg. Rate
HNTB Corporation NTE					
Not to Exceed Reimbursable Fee	0	\$0	0	\$0	#DIV/0!
Not to Exceed Reimbursable Expenses		\$0		\$0	
Subtotal HNTB Corporation NTE	0	\$0	0	\$0	#DIV/0!
Horton Lees Brodgen Design					
Not to Exceed Reimbursable Fee	169	\$21,042	169	\$21,042	\$125
Not to Exceed Reimbursable Expenses		\$0		\$0	
Subtotal Horton Lees Brodgen Design	169	\$21,042	169	\$21,042	\$125
Total Not to Exceed Amount:	169	\$21,042	169	\$21,042	\$125

**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-5
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES**

Position:	Associate Principal		Associate		Senior Designer		TOTAL		
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Rate (\$/Hour):	\$220		\$118		\$111				
Horton Lees Brogden Lighting Design Inc.									
Design Report									
Design Conference/Coordination Meetings	4	\$880	4	\$472	4	\$444	12	1,796	\$150
Develop Computer Model	1	\$220	8	\$944	15	\$1,665	24	\$2,829	\$118
Prepare Design Assumptions Memo	0	\$0	5	\$590	2	\$222	7	\$812	\$116
Provide an Annual Spatial Sensitivity Glare Analysis	4	\$880	35	\$4,130	25	\$2,775	64	\$7,785	\$122
Prepare XR-enabled visualizations	4	\$880	10	\$1,180	15	\$1,665	29	\$3,725	\$128
Prepare/Present Summary Daylighting Report	3	\$660	15	\$1,770	15	\$1,665	33	\$4,095	\$124
TOTAL NOT TO EXCEED REIMBURSABLE FEE:	16	\$3,520	77	\$9,086	76	\$8,436	169	\$21,042	\$125

EXHIBIT A
DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Podium Glare Solution – Light Study

HNTB Corporation - Scope of Services

- PM leading Design Team Meetings.
- Participate in consultant team meetings to discuss coordination issues and milestone progress as required to meet deliverable dates.
- Provide “light-tight” Revit model, colors and finishes of materials and surfaces.
- Perform QA/QC reviews of deliverables as required.

EXHIBIT A
SUB-DESIGNER'S SCOPE OF SERVICES

Greater Orlando Aviation Authority

Customs & Border Patrol Requested Updates - Podiums

HLB - Scope of Services

- **Participate in design conference and coordination meetings with HNTB to discuss planning of canopy sun control concept and study goals.** HNTB to determine target illuminance levels and acceptable glare tolerance.
Meetings: Time for up to two (2) hours of online conferences is included in the fee.
- **Develop a computer model for Daylight Simulations.** Architect shall provide a current “light-tight” 3D model of entire building envelope, in Rhino (preferred) or Revit (Revit model shall have curtain walls and other fenestration appropriately categorized), cleaned up as appropriate, with detailed modeling of interior elements and that includes movable furniture and partitions, interior obstructions, and interior and exterior shading elements, each on separate layers. Architect shall also provide a current 3D context model containing surrounding buildings and obstructions that impact daylighting as extruded volumes. Architect shall provide a list of color, finish and reflectance values for all materials and surfaces. Time for up to twenty (20) hours for one (1) Revit-to-Rhino conversion, clean-up, and set-up, based on a shoebox model, is included in the fee.
- **Prepare a Design Assumptions Memo for Architect’s approval.** Memo will outline critical assumptions (reflectance, color, transmittance, diffusion, specularly, etc.) for all glazing, shading and interior and exterior surfaces that shall serve as input data for daylighting simulations.
- **Provide Annual Spatial Sensitivity Glare analysis at selected CBP-FIS locations** (agents and podium screens), for current design to identify problematic glare locations, timing, and duration.
- **Prepare XR-enabled visualizations, sketches, rendered plans and elevations,** precedent imagery and other visual presentation elements required for communication of the daylighting design intent within the Design Team.
- **Prepare and present Summary Daylighting Report to the Client and/or Design Team,** Report to include deliverables described above and recommendations.

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: May 7, 2024

MEMORANDUM

TO: Members of the Construction Committee

FROM: Edelis Molina, Manager Small Business Programs

DATE: May 21, 2024

RE: Request for Approval of an Amendment to Addendum 47 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for an additional Podium Glare Study for the Changing Regulatory Requirements Program for W-S00110, Terminal C Phase 1-Architect of Record (and Major Subconsultants), 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 89% small business participation in this amendment. The Construction Phase Services proposal was divided into the NTE and lump sum components, with small business participation specified within the NTE proposal.

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

**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
 Address: One Jeff Fuqua Boulevard, Orlando, FL 32827

Telephone No: (407) 825-7179

Project Name & Number:

Request for Approval of an Amendment to Addendum 47 to the Architect of Record for South Terminal C, Phase 1, Agreement with HNTB Corporation for an additional Podium Glare Study for the Changing Regulatory Requirements Program for W-S00110, Terminal C Phase 1-Architect of Record (and Major Subconsultants), at the Orlando International Airport

1. Construction Information:

TOTAL:	\$23,687.00
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
Hispanic American	Actual Result
Native American	Actual Result
Other	Actual Result
Total MWBE Participation	Actual Result

4. Engineering/Professional Services Information:

TOTAL:	\$23,687.00
5. MWBE 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 MWBE Participation	Actual Result

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 MWBE Subcontractor

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

6.b. Name and Address of MWBE Subconsultant

Name: Horton Lees Brogden Lighting Design Inc.
 Address: 38 E 22nd St 11th Floor
 City, State, Zip: New York, NY 10016
 Telephone: (212) 674-5580

3.c. *Identity:

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

6.c. *Identity:

Caucasian Female American
 Lighting Design Consultant
 Amount of Subcontract \$21,042.00
 Percent of Prime Contract (%): 89%

* 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)