

**ADDENDUM NO. 7
TO THE AGREEMENT DATED JUNE 10, 2021
BETWEEN GREATER ORLANDO AVIATION AUTHORITY
AND HNTB CORPORATION**

Project: Professional Transportation Planning Services for W-00446
MCO Roadway Master Plan, Orlando International Airport

THIS ADDENDUM is effective this 7th day of December,
20 21, by and between the **GREATER ORLANDO AVIATION AUTHORITY**
("Authority"), and **HNTB CORPORATION** ("Consultant").

WITNESSETH:

WHEREAS, by Agreement dated June 10, 2021, Authority and Consultant entered into an agreement for Consultant to provide Continuing Transportation Planning Consulting Services; and

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

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

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, the Authority and the 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 **NOT TO EXCEED** amount of **TWO HUNDRED FORTY-ONE THOUSAND FIVE HUNDRED TWENTY-FIVE AND NO/100 DOLLARS (\$241,525.00)**, broken down as follows:

Professional Fees:	NTE:	\$241,525.00
Professional Fees:	LS:	\$0.00
Reimbursable Expenses:	NTE:	<u>\$0.00</u>
Total:		\$241,525.00

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 June 10, 2021 and all prior addenda will remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto by their duly authorized representatives, have executed this Addendum this 14 day of Dec., 2021.

GREATER ORLANDO AVIATION AUTHORITY

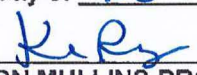
By:


Davin D. Ruohomaki
Sr. Director Engineering & Construction

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

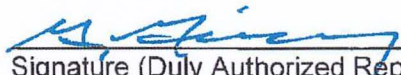
this 14 day of Dec., 2021

By:


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

HNTB CORPORATION

By:


Signature (Duly Authorized Rep.)

George Gilhoolley
Printed Name

Senior Vice President
Title



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

Memorandum

To: Members of the Construction Committee

From: Brad Friel, Director of Planning
(Prepared by Alex Sorondo)

Date: December 7, 2021

Re: Request for Approval of an Addendum to the Continuing Transportation Planning Services Agreement with HNTB Corporation for Professional Transportation Planning Services for W-00446 MCO Roadway Master Plan at the Orlando International Airport

Consultant's proposal, dated November 22, 2021, is to provide Professional Transportation Planning Services for the development of the MCO Roadway Master Plan at the Orlando International Airport.

If approved, these services would be effective December 7, 2021.

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

☒ Experience ☒ Available Personnel ☒ Current Workload
☒ Expertise ☒ Equitable Distribution ☐ Other: _____

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

Funding is from previously approved Capital Expenditure Funds 308-711-170-5310009-000-501408. Funding source verified by VHinds of Construction Finance on 12/01/21 as correct and available.

It is respectfully requested that the Construction Committee approve an Addendum to the Continuing Transportation Planning Services Agreement with HNTB Corporation for the services contained herein and the amount as shown below:

Not to Exceed Fees	\$241,525.00
Lump Sum Fees	\$0.00
Not to Exceed Expenses	\$0.00
TOTAL	\$241,525.00
AAC – Compliance Review Date	955 11/29/21
AAC – Funding Eligibility Review Date (or indicate Not Applicable)	N/A



November 22, 2021

Mr. Brad Friel
Director of Planning and Development
Greater Orlando Aviation Authority
5855 Cargo Road
Orlando, FL 32827

Re: On Call Professional Services for Continuing Transportation Planning
Professional Fee Proposal: **FY 22 MCO Transportation Masterplan**
Orlando International Airport (MCO)

Dear Mr. Friel:

HNTB Corporation (HNTB) is pleased to submit this proposal for transportation consulting services associated with the development of key elements associated with the MCO Transportation Masterplan. HNTB will work in concert with HDR to develop traffic forecasts, update the south terminal traffic model, identify capacity constraints, and identify high level strategies to mitigate for these constraints. HNTB will prepare a Task Authorization form including an hourly estimate of fees to complete each task as it is assigned to assist GOAA with managing the overall budget of this agreement.

For purposes of this agreement, GOAA will be referred to as the Client and HNTB will be referred to as the Consultant.

SCOPE

Detailed scope documents are attached. The scope documents detail the work to be performed by HNTB and HDR.

SCHEDULE

The Consultant will work as expeditiously as possible to meet the Client's schedule for individual task work authorizations. The Consultant will coordinate with Client staff about the schedule for each work request received.

FEE

Services provided under this agreement will be performed using the most up to date hourly rate schedule on file with GOAA. A recommended labor budget Not-to-Exceed (NTE) fee authorization of \$241,525.00 is requested for the Consultant to accomplish the activities as assigned by the Client.

DBE/MWBE/LDB

This scope of services does not include any DBE/MWBE/LDB. As such, HNTB has provided our commitment to pursue and fulfill the DBE/MWBE/LDB objectives and will continue to seek opportunities on future tasks.

TERMS OF AGREEMENT

The terms and conditions of the Agreement for Professional Services Continuing Transportation Planning Services at the Orlando International and Executive Airports dated June 10, 2021 will apply to this addendum.

This proposal represents a continuation of services by HNTB as part of our Transportation Planning contract with GOAA. If you need additional Information, please feel free to contact me. We appreciate the opportunity to provide the Authority with our professional services.

Sincerely,

A handwritten signature in blue ink, appearing to read 'A. Sorondo', with a stylized flourish at the end.

Alejandro Sorondo, P.E., MBA
Project Manager

From: [Alejandro Sorondo](#)
To: [Jillian Stansell](#)
Cc: [Lisa Rainey](#); [Ziad Ghalayini](#)
Subject: RE: Proposed CCM Item for W-00TBD - MCO Master Plan by HNTB
Date: Monday, November 29, 2021 11:25:51 AM
Attachments: [image001.png](#)
[image002.png](#)
[W-00446 - HNTB - Master Roadway Master Plan CC Memo 12.7.21 R1 Package.pdf](#)

Jillian:

Please see attached and below for responses to your comments.

Thanks!

Alex Sorondo, PE, MBA

alejandro.sorondo@goaa.org

Tel (407) 825-3142 Cell (407) 389-9134

From: Jillian Stansell <jillian.stansell@anseradvisory.com>
Sent: Wednesday, November 24, 2021 10:27 AM
To: Alejandro Sorondo <alejandro.sorondo@goaa.org>
Cc: Lisa Rainey <lisa.rainey@anseradvisory.com>; Ziad Ghalayini <ziad.ghalayini@anseradvisory.com>
Subject: RE: Proposed CCM Item for W-00TBD - MCO Master Plan by HNTB
Importance: High

Good morning Alex,

Please see the following review comments below:

- The subject line on the memo currently lists "Engineering Consulting Services"; however, since HNTB's continuing agreement is for transportation planning, I recommend revising the subject line services to "Professional Transportation Planning Services" to match the body of the memo. **This has been corrected on the attached revised memo.**
- Please add the appropriate project number to the memo, when assigned. **The project number has been updated and included on the revised memo.**
- HNTB's proposal letter includes scope "update the south terminal traffic model" and a majority of this scope appears to be driven by the south terminal opening. Should this scope be funded by STC project? **No. the STC traffic analysis is part of the overall Master Plan, that takes into account the entire campus. So, we need to take into consideration the analysis that was completed as part of the STC, and incorporate it into the overall Master Plan.**
- Under the FEE section of HNTB's proposal letter, it states work will be "performed on an as-needed basis". Is this for on-call services? **No, this is not an On-Call service. It has been corrected on the attached revised memo package.**
- If so, should this scope be completed under one of HNTB's FY22 on-call service addenda that have already been approved? **No. See above.**
- If not, then I recommend removing this language from HNTB's proposal letter. **It has been removed.**
- If possible, please provide HDR's proposal letter. **There is not HDR proposal letter. HNTB and**

HDR are working in concert under HNTB's continuing contract.

If you have any questions, please let me know.

Thank you,

Jillian Stansell, CAPM

Associate II

M 260-894-0187

On Behalf of Greater Orlando

Aviation Authority

anseradvisory.com [anseradvisory.com]



From: Alejandro Sorondo <alejandro.sorondo@goaa.org>

Sent: Tuesday, November 23, 2021 9:48 PM

To: Bradley Friel <BFriel@goaa.org>

Cc: Mark Birkebak <mbirkebak@goaa.org>; Jillian Stansell <jillian.stansell@anseradvisory.com>; Lisa Rainey <lisa.rainey@anseradvisory.com>; Ziad Ghalayini <ziad.ghalayini@anseradvisory.com>

Subject: Proposed CCM Item for W-00TBD - MCO Master Plan by HNTB

Brad:

Attached is a CCM memo for HNTB to work on the MCO Master Plan. I have uploaded this to the BOX site and have asked that this item be added to the December 7th CCM agenda.

Alejandro M. Sorondo, PE, MBA

GOAA Staff Extension

Greater Orlando Aviation Authority

11314 Terminal C Service Road, Orlando, FL 32824

alejandro.sorondo@goaa.org

Tel (407) 825-3142 Cell (407) 389-9134

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 Greater Orlando 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 one (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 Greater Orlando Aviation Authority, whichever is later.

Consultant: HNTB Corporation

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

By: _____

Print Name: Alex Sorondo

Date: 11/22/21

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

Phase of Project:	Task 1	Task 2	Task 3	Task 4	Task 5	SUBTOTAL	TOTAL CONTRACT
1.0 Lump Sum Fee:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.0 Not to Exceed Reimbursable Fee:	\$110,190	\$131,335	\$0	\$0	\$0	\$241,525	\$241,525
3.0 Not to Exceed Reimbursable Expenses:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.0 TOTAL CONTRACT VALUE:	\$110,190	\$131,335	\$0	\$0	\$0	\$241,525	\$241,525

Total Lump Sum Labor Hours:	0	0	0	0	0	0	0
Total Not to Exceed Reimbursable Labor Hours:	838	879	0	0	0	1717	1717
TOTAL LABOR HOURS:	838	879	0	0	0	1717	1717
Average Hourly Rate:	\$131	\$149	#DIV/0!	#DIV/0!	#DIV/0!	\$141	\$141

Notes:

1. The lump sum cells in Table C-1 are linked to Table C-2 values
2. The Not to Exceed cells in Table C-1 are linked to Table C-4 values
3. The linked cells are based on a maximum of 5 subconsultants; if more than 5 are included enter all values manually.

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

Phase of Project:	Task 1		Task 2		TOTAL		
	labor hours	Total Fee	labor hours	Total Fee	labor hours	Cost	Avg. Rate
HNTB, Inc.							
Not to Exceed Reimbursable Fee	610	\$79,290	324	\$43,640	934	\$122,930	\$132
Not to Exceed Reimbursable Expenses		\$0		\$0		\$0	
Sub-Total - HNTB	610	\$79,290	324	\$43,640	934	\$122,930	\$132
HDR Engineering, Inc.							
Not to Exceed Reimbursable Fee	228	\$30,900	555	\$87,695	783	\$118,595	\$151
Not to Exceed Reimbursable Expenses		\$0		\$0		\$0	
Sub-Total Subconsultant - HDR	228	\$30,900	555	\$87,695	783	\$118,595	\$151
Total Not to Exceed Amount:	838	\$110,190	879	\$131,335	1,717	\$241,525	141

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

Greater Orlando Aviation Authority
MCO Transportation Master Plan
HNTB Corporation

Position:	PRINCIPAL		PROJECT DIRECTOR		SENIOR ENGINEER		ENGINEER		Engineering Intern		SENIOR PROJECT ANALYST		TOTAL		
Rate (\$/Hour):	\$295.00		\$275.00		\$184.00		\$112.00		\$90.00		\$103.00		labor hours	Cost	Avg. Hourly Rate
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost			
Task 1: Traffic Forecasting, Analysis & Regional Improvements															
Task 1-1: Develop Network Traffic for STC (3 horizon yrs)	0	\$0	2	\$550	2	\$368	0	\$0	6	\$540	0	\$0	10	\$1,458	\$146
Task 1-2: Inventory existing infrastructure + STC Impr	2	\$590	10	\$2,750	20	\$3,680	40	\$4,480	40	\$3,600	4	\$412	116	\$15,512	\$134
Task 1-3: VISSIM analysis of MCO network	2	\$590	40	\$11,000	64	\$11,776	180	\$20,160	180	\$16,200	4	\$412	470	\$60,138	\$128
Task 1-4: Identify planned off-site improvements & timing	0	\$0	2	\$550	4	\$736	8	\$896	0	\$0	0	\$0	14	\$2,182	\$156
Task 1 Sub-Total	4	\$1,180	54	\$14,850	90	\$16,560	228	\$25,536	226	\$20,340	8	\$824	610	\$79,290	\$130
Task 2: Development of Alternatives															
Task 2-1: Identify capacity constraints & improvement alts	0	\$0	10	\$2,750	20	\$3,680	36	\$4,032	64	\$5,760	4	\$412	134	\$16,634	\$124
Task 2-2: Identify alts to reduce cut-through traffic	2	\$590	12	\$3,300	24	\$4,416	32	\$3,584	40	\$3,600	4	\$412	114	\$15,902	\$139
Task 2-3: Parking facilities planning	2	\$590	2	\$550	8	\$1,472	12	\$1,344	16	\$1,440	2	\$206	42	\$5,602	\$133
Task 2-4: CAV readiness plan	2	\$590	8	\$2,200	4	\$736	8	\$896	12	\$1,080	0	\$0	34	\$5,502	\$162
Task 2 Sub-Total	6	\$1,770	32	\$8,800	56	\$10,304	88	\$9,856	132	\$11,880	10	\$1,030	324	\$43,640	\$135
TOTAL NOT TO EXCEED REIMBURSABLE FEE:	10	\$2,950	86	\$23,650	146	\$26,864	316	\$35,392	358	\$32,220	18	\$1,854	934	\$122,930	\$132
FUTURE WORK - Estimate Only - Not Included in this Work Order															
Task 3: Outreach, Consensus Building and Future Strategies															
Task 3-1: Develop Working Group & Engagement Plan	16	\$32	32	\$320	0	\$0	0	\$0	40	\$1,600	0	\$0	88	\$1,952	\$22
Task 3-2: External Communications	16	\$4,720	24	\$6,600	0	\$0	32	\$3,584	40	\$3,600	0	\$0	112	\$18,504	\$165
Task 3-3: Coordinate w/ Outside Network/Map Companies	0	\$0	16	\$4,400	40	\$7,360	0	\$0	64	\$5,760	2	\$206	122	\$17,726	\$145
Task 3-4: Coordinate w/ DMS Team	0	\$0	2	\$550	4	\$736	4	\$448	4	\$360	0	\$0	14	\$2,094	\$150
Task 3-5: Identify DMS Options on External Roads	0	\$0	8	\$2,200	32	\$5,888	32	\$3,584	64	\$5,760	2	\$206	138	\$17,638	\$128
Task 3-6: Identify constraints at interface to ext network	0	\$0	8	\$2,200	16	\$2,944	24	\$2,688	40	\$3,600	0	\$0	88	\$11,432	\$130
Task 3-7: Permanent counters / real-time monitoring	2	\$590	2	\$550	8	\$1,472	24	\$2,688	32	\$2,880	0	\$0	68	\$8,180	\$120
Task 3-8: EV charging needs plan	2	\$590	4	\$1,100	8	\$1,472	12	\$1,344	20	\$1,800	0	\$0	46	\$6,306	\$137
Task 3-9: Traffic management strategy planning/impl steps	2	\$590	8	\$2,200	24	\$4,416	16	\$1,792	32	\$2,880	2	\$206	84	\$12,084	\$144
Task 3-10: (Future/Optional) Develop MCO VISUM Model	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	#DIV/0!
Task 3 Sub-Total	38	\$6,522	104	\$20,120	132	\$24,288	144	\$16,128	336	\$28,240	6	\$618	760	\$95,916	\$126
Task 4: Alternatives Refinement & Prioritization															
Task 4-1: Prioritize improvements/opportunities	4	\$1,180	24	\$6,600	28	\$5,152	40	\$4,480	64	\$5,760	2	\$206	162	\$23,378	\$144
Task 4 Sub-Total	4	\$1,180	24	\$6,600	28	\$5,152	40	\$4,480	64	\$5,760	2	\$206	162	\$23,378	\$144
Task 5: Selection of Preferred Improvements															
Task 5-1: Select preferred improvements	4	\$1,180	24	\$6,600	40	\$7,360	48	\$5,376	32	\$2,880	2	\$206	150	\$23,602	\$157
Task 5-2: Present Impr Strategies / Align Agency Efforts	12	\$3,540	32	\$8,800	24	\$4,416	24	\$2,688	64	\$5,760	2	\$206	158	\$25,410	\$161
Task 5 Sub-Total	16	\$4,720	56	\$15,400	64	\$11,776	72	\$8,064	96	\$8,640	4	\$412	308	\$49,012	\$159
Task 6: Documentation															
Task 6-1: Prepare Mobility Blueprint	4	\$1,180	48	\$13,200	32	\$5,888	32	\$3,584	56	\$5,040	2	\$206	174	\$29,098	\$167
Task 6 Sub-Total	4	\$1,180	48	\$13,200	32	\$5,888	32	\$3,584	56	\$5,040	2	\$206	174	\$29,098	\$167
TOTAL ESTIMATE OF FUTURE WORK:	62	\$13,602	232	\$55,320	256	\$47,104	288	\$32,256	552	\$47,680	14	\$1,442	1404	\$197,404	\$141

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

Greater Orlando Aviation Authority
MCO Transportation Master Plan
HDR Engineering, Inc.

Position:	Sr. Principal		Project Principal		Sr. Project Manager		Engineer/ Planner VI		Chief Designer		Engineer/ Planner V		Engineer/ Planner IV		Engineer/ Planner III		Engineer/ Planner II		Engineer/ Planner I		Sr. Designer		Designer		Sr. Project Accountant		Document Control		TOTAL			
Rate (\$/Hour):	\$286		\$210		\$176		\$136		\$143		\$121		\$107		\$97		\$89		\$79		\$82		\$67		\$104		\$91		hours	Cost	Avg. Hourly Rate	
	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost	hours	Cost				
Task 1: Traffic Forecasting, Analysis & Regional Improvements																																
Task 1-1: Develop Network Traffic for STC (3 horizon yrs)	4.0	\$1,144	34.0	\$7,140	8.0	\$1,408	40.0	\$5,440	0.0	\$0	0.0	\$0	88.0	\$9,416	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	178.0	\$24,938		\$140		
Task 1-2: Inventory existing infrastructure + STC Impr	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	#DIV/0!	
Task 1-3: VISSIM analysis of MCO network	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	#DIV/0!	
Task 1-4: Identify planned off-site improvements & timing	0.0	\$0	6.0	\$1,260	0.0	\$0	8.0	\$1,088	0.0	\$0	0.0	\$0	12.0	\$1,284	20.0	\$1,940	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	50.0	\$5,962	\$119	
Task 1 Subtotal	4.0	\$1,144	40.0	\$8,400	8.0	\$1,408	48.0	\$6,528					0.0	\$0	100.0	\$10,700	20.0	\$1,940							4.0	\$416	4.0	\$364	228.0	\$30,900		\$136
Task 2: Development of Alternatives																																
Task 2-1: Identify capacity constraints & improvement alts	0.0	\$0	12.0	\$2,520	0.0	\$0	16.0	\$2,176	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	28.0	\$4,696		\$168		
Task 2-2: Identify alts to reduce cut-through traffic	8.0	\$2,288	18.0	\$3,780	24.0	\$4,224	16.0	\$2,176	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	70.0	\$12,858	\$184	
Task 2-3: Parking facilities planning	8.0	\$2,288	6.0	\$1,260	100.0	\$17,600	0.0	\$0	0.0	\$0	0.0	\$0	75.0	\$8,025	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	193.0	\$29,563	\$153	
Task 2-4: CAV readiness plan	12.0	\$3,432	12.0	\$2,520	136.0	\$23,936	0.0	\$0	0.0	\$0	0.0	\$0	84.0	\$8,988	0.0	\$0	0.0	\$0	0.0	\$0	16.0	\$1,312	0.0	\$0	2.0	\$208	2.0	\$182	264.0	\$40,578	\$154	
Task 2 Subtotal	28.0	\$8,008	48.0	\$10,080	260.0	\$45,760	32.0	\$4,352	0.0	\$0	0.0	\$0	159.0	\$17,013	0.0	\$0	0.0	\$0	0.0	\$0	16.0	\$1,312	0.0	\$0	6.0	\$624	6.0	\$546	555.0	\$87,695	\$158	
TOTAL NOT TO EXCEED REIMBURSABLE FEE:																																
	32	\$9,152	88	\$18,480	268	\$47,168	80	\$10,880	0	\$0	0	\$0	259	\$27,713	20	\$1,940	0	\$0	0	\$0	16	\$1,312	0	\$0	10	\$1,040	10	\$910	783	\$118,595		\$151
FUTURE WORK - Estimate Only - Not Included in this Work Order																																
Task 3: Outreach, Consensus Building and Future Strategies																																
Task 3-1: Develop Working Group & Engagement Plan	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	#DIV/0!	
Task 3-2: External Communications	8.0	\$2,288	10.0	\$2,100	0.0	\$0	8.0	\$1,088	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	30.0	\$5,866	\$196	
Task 3-3: Coordinate w/ Outside Network/Map Companies	0.0	\$0	8.0	\$1,680	0.0	\$0	8.0	\$1,088	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	16.0	\$2,768	\$173	
Task 3-4: Coordinate w/ DMS Team	0.0	\$0	6.0	\$1,260	8.0	\$1,408	4.0	\$544	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	22.0	\$3,602	\$164	
Task 3-5: Identify DMS Options on External Roads	0.0	\$0	8.0	\$1,680	12.0	\$2,112	8.0	\$1,088	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	28.0	\$4,880	\$174	
Task 3-6: Identify constraints at interface to ext network	0.0	\$0	8.0	\$1,680	0.0	\$0	16.0	\$2,176	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	24.0	\$3,856	\$161	
Task 3-7: Permanent counters / real-time monitoring	16.0	\$4,576	18.0	\$3,780	0.0	\$0	0.0	\$0	0.0	\$0	152.0	\$18,392	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	190.0	\$27,138	\$143	
Task 3-8: EV charging needs plan	15.0	\$4,290	82.0	\$17,220	0.0	\$0	0.0	\$0	120.0	\$17,160	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	221.0	\$39,060	\$177	
Task 3-9: Traffic management strategy planning/impl steps	20.0	\$5,720	10.0	\$2,100	20.0	\$3,520	60.0	\$8,160	0.0	\$0	160.0	\$19,360	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	40.0	\$3,280	0.0	\$0	2.0	\$208	2.0	\$182	314.0	\$42,530	\$135	
Task 3-10: (Future/Optional) Develop MCO VISUM Model	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	#DIV/0!	
Task 3 Subtotal	59.0	\$16,874	150.0	\$31,500	40.0	\$7,040	104.0	\$14,144	120.0	\$17,160	312.0	\$37,752	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	40.0	\$3,280	0.0	\$0	10.0	\$1,040	10.0	\$910	845.0	\$129,700		\$153
Task 4: Alternatives Refinement & Prioritization																																
Task 4-1: Prioritize Improvements/opportunities	0.0	\$0	18.0	\$3,780	0.0	\$0	24.0	\$3,264	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	46.0	\$7,434		\$162
Task 4 Subtotal	0.0	\$0	18.0	\$3,780	0.0	\$0	24.0	\$3,264	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	46.0	\$7,434		\$162
Task 5: Selection of Preferred Improvements																																
Task 5-1: Select preferred improvements	0.0	\$0	18.0	\$3,780	0.0	\$0	24.0	\$3,264	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	46.0	\$7,434		\$162
Task 5-2: Present Impr Strategies / Align Agency Efforts	8.0	\$2,288	12.0	\$2,520	0.0	\$0	16.0	\$2,176	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	36.0	\$6,984		\$194
Task 5 Subtotal	8.0	\$2,288	30.0	\$6,300	0.0	\$0	40.0	\$5,440	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	82.0	\$14,418		\$176
Task 6: Documentation																																
Task 6-1: Prepare Mobility Blueprint	0.0	\$0	18.0	\$3,780	0.0	\$0	24.0	\$3,264	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	46.0	\$7,434		\$162
Task 6 Subtotal	0.0	\$0	18.0	\$3,780	0.0	\$0	24.0	\$3,264	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	2.0	\$208	2.0	\$182	46.0	\$7,434		\$162
TOTAL NOT TO EXCEED REIMBURSABLE FEE:																																
	67.0	\$19,162	216.0	\$45,360	40.0	\$7,040	192.0	\$26,112	120.0	\$17,160	312.0	\$37,752	0.0	\$0	0.0	\$0	0.0	\$0	0.0	\$0	40.0	\$3,280	0.0	\$0	16.0	\$1,664	16.0	\$1,456	1,019.0	\$158,986		\$156

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-9
CONTRACT HOURLY RATES

All amounts invoiced by the Consultant as Reimbursable Fees shall be calculated on the basis of the actual number of hours of services rendered under this Agreement by each of the positions defined and by the new positions as identified below, multiplied by the corresponding Contract Hourly Rate, up to the Not to Exceed limit defined by the Agreement. Include information on positions held by both the design consultant and each subconsultant.

FIRM	POSITION	CONTRACT HOURLY RATE
HNTB Corporation	Principal	\$295
HNTB Corporation	Project Director	\$275
HNTB Corporation	Senior Engineer	\$184
HNTB Corporation	Engineer	\$112
HNTB Corporation	Engineering Intern	\$90
HNTB Corporation	Senior Project Analyst	\$103
HDR Engineering, Inc.	Sr. Principal	\$286
HDR Engineering, Inc.	Project Principal	\$210
HDR Engineering, Inc.	Sr. Project Manager	\$176
HDR Engineering, Inc.	Engineer/ Planner VI	\$136
HDR Engineering, Inc.	Chief Designer	\$143
HDR Engineering, Inc.	Engineer/ Planner V	\$121
HDR Engineering, Inc.	Engineer/ Planner IV	\$107
HDR Engineering, Inc.	Engineer/ Planner III	\$97
HDR Engineering, Inc.	Engineer/ Planner II	\$89
HDR Engineering, Inc.	Engineer/ Planner I	\$79
HDR Engineering, Inc.	Sr. Designer	\$82
HDR Engineering, Inc.	Designer	\$67
HDR Engineering, Inc.	Sr. Project Accountant	\$104
HDR Engineering, Inc.	Document Control	\$91

MCO TRANSPORTATION MASTER PLAN

HNTB SCOPE

REVISED – 11/22/21

TASK 1.0 TRAFFIC FORECASTING, ANALYSIS, AND REGIONAL IMPROVEMENTS

Task 1.1 Develop Network Traffic for STC Opening (Easter 2022), 2026, And 2031 **[HDR], [HNTB] Review**

Consultant will review the technical memo developed to document the horizon traffic projections.

Task 1.2 Inventory Existing Infrastructure plus STC Improvements – Parking, Curb **[HNTB]**

Consultant will deploy staff to gather data necessary to accurately calibrate/validate the south terminal Vissim model. This data will include roadway geometrics, curb lengths, dwell times within the arrival and departures area of each terminal, and speeds throughout the airport roadway network. This data will be used in the calibration/validation of the Vissim model.

Task 1.3 Model MCO Network using Existing with STC Improvements – VISSIM **[HNTB]**

Consultant will update the previously developed model. Validated/Calibrated models will be developed for three planning horizons. This model will serve as a key tool in the decision-making process for future improvements surrounding the south terminal.

Deliverable

- Vissim model reflecting the three horizon years developed in Task 1.1. Models will support decision making for future roadway network improvements.

Task 1.4 Identify Planned Improvements for Surrounding Off-Site Roadway Network and Current Proposed Timing **[HDR], [HNTB] support**

Consultant will support efforts to determine near term (e.g., 5-year) work programs and long-range transportation plans for area partner agencies, including MetroPlan Orlando, Orange County, Osceola County, City of Orlando, FDOT, and Central Florida Expressway Authority (CFX) transportation projects that would impact regional transportation capacity in the vicinity of the airport and access to the airport. The scoped effort includes up to two (2) in-person or virtual meetings.

TASK 2.0 DEVELOPMENT OF ALTERNATIVES

Task 2.1 Identify Capacity Constraints to GOAA Roadway Network, Parking, and Curbs, and Identify Improvement Alternatives **[HNTB] lead, [HDR] support]**

Consultant will identify GOAA roadway network capacity constraints using high level HCM type analysis for the north terminal. South terminal strategy analysis will leverage

the Vissim model developed in Task 1.3. Strategies to mitigate for critical deficiencies will be identified at a planning level for each terminal and documented in a technical memo. Possible mitigation strategies will be vetted with GOAA staff prior to final documentation. The scoped effort includes up to one (1) in-person or virtual meetings, and a draft and final technical memo.

Deliverable

- Draft and Final Improvements Alternatives Technical Memo

Task 2.2 Identify Alternatives to Reduce Cut-Through Traffic [HNTB lead, HDR support]

Consultant will develop high level planning level strategies to reduce cut through traffic on the GOAA roadway network. Planning level operational analyses conducted through an iterative process for up to two alternatives. The scoped effort includes up to one (1) in-person or virtual meeting and the development of draft and final Cut Through Mitigation memo.

Deliverable

- Cut Through Mitigation Memo

Task 2.3 Parking Facilities Planning [HDR lead, HNTB support]

Consultant will support efforts to determine the conceptual design of smart parking systems. The scoped effort includes review of concepts, technical documentation and up to one (1) in-person or virtual meeting.

Task 2.4 Connected Autonomous Vehicles (CAV) Readiness Plan [HDR lead, HNTB support]

Consultant will support efforts to develop a CAV Readiness Plan. The scoped effort includes review of concepts, technical documentation and up to one (1) in-person or virtual meeting.



GREATER ORLANDO AVIATION AUTHORITY

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

MEMORANDUM

To: Members of the Construction Committee

From: Edelis Molina, Sr. Small Business Administrator

Date: December 07, 2021

Re: Request for Approval of an Addendum to the Continuing Transportation Planning Services Agreement with HNTB Corporation for Professional Transportation Planning Services for W-00446 MCO Roadway Master Plan at the Orlando International Airport.

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that, due to the specialized scope of the services to be provided, HNTB Corporation does not propose small business participation on this Addendum.

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

BRIDGE 999956, W-00445, BRIDGE 999956 CAPACITY ANALYSIS, AT THE ORLANDO INTERNATIONAL AIRPORT.

12. Mr. Sorondo presented the memorandum, dated December 7, 2021. Agenda Item Nos. 10, 11, 12, 13, and 14 were considered in one motion. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Hunt, vote carried to approve an Addendum to the Continuing Bridge Inspection Services Agreement with Kisinger Campo & Associates, Corp for FY 2022 Capacity Analysis of Bridge 999956, W-00445, Bridge 999956 Capacity Analysis, for the total lump sum amount of \$9,116.00, which includes the lump sum fee amount of \$7,118.00, and the not-to-exceed expense amount of \$1,998.00, with funding from Operations and Maintenance Funds.

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING TRANSPORTATION PLANNING SERVICES AGREEMENT WITH HNTB CORPORATION FOR PROFESSIONAL TRANSPORTATION PLANNING SERVICES FOR W-00446, MCO ROADWAY MASTER PLAN, AT THE ORLANDO INTERNATIONAL AIRPORT.

13. Mr. Sorondo presented the memorandum, dated December 7, 2021. Agenda Item Nos. 10, 11, 12, 13, and 14 were considered in one motion. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Hunt, vote carried to approve an Addendum to the Continuing Transportation Planning Services Agreement with HNTB Corporation for Professional Transportation Planning Services for W-00446, MCO Roadway Master Plan, for the total not-to-exceed fee amount of \$241,525.00, with funding from previously approved Capital Expenditure Funds. ✓

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING MEP ENGINEERING CONSULTANT SERVICES AGREEMENT WITH C&S ENGINEERS, INC. TO PROVIDE FY 2022 ON-CALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEM SERVICES, AT THE ORLANDO INTERNATIONAL AIRPORT.

14. Mr. Sorondo presented the memorandum, dated December 7, 2021. Agenda Item Nos. 10, 11, 12, 13, and 14 were considered in one motion. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Hunt, vote carried to approve an Addendum to the Continuing MEP Engineering Consultant Services Agreement with C&S Engineers, Inc. to provide FY2022 On-Call Mechanical, Electrical and Plumbing System Services, for the total not-to-exceed fee amount of \$20,000.00, with funding from Operation and Maintenance Funds.

REQUEST FOR RECOMMENDATION OF APPROVAL OF AN ADDENDUM TO THE CONTINUING ENVIRONMENTAL ENGINEERING CONSULTANT SERVICES AGREEMENT WITH MSE GROUP, LLC, TO PERFORM EXCAVATION AND RESTORATION OF FUTURE AIRCRAFT MAINTENANCE SITE, AT THE ORLANDO INTERNATIONAL AIRPORT.

15. *[A handout was presented, which included a revised Memorandum and Office of Small Business Development Memorandum.]* Mr. Carrington presented the memorandum, dated December 7, 2021. Discussion ensued.

Upon motion of Ms. Sharman, second by Mr. Hunt, vote carried to recommend to the Aviation Authority Board approval of an Addendum to the Continuing Environmental Engineering Consultant Services Agreement with MSE Group, LLC to perform Excavation and Restoration of Future Aircraft Maintenance Site, for the total lump sum amount of \$637,900.68, which includes the not-to-exceed fee amount of \$174,096.00, and the not-to-exceed expense amount of \$463,804.68, with funding from previously-approved Capital Expenditure Funds.

REQUEST FOR APPROVAL OF AN ADDENDUM TO THE CONTINUING ENVIRONMENTAL ENGINEERING CONSULTANT SERVICES AGREEMENT WITH MSE GROUP, LLC, TO CONDUCT AN INTERIM SOURCE REMOVAL AND CONFORMATION SAMPLING AT THE ALPHA-ECHO JET FUEL RELEASE, AT THE ORLANDO INTERNATIONAL AIRPORT.

16. Mr. Carrington presented the memorandum, dated December 7, 2021. *[A handout was presented, which included a revised Memorandum and backup documentation, and a revised Office of Small Business Development Memorandum.]* Discussion ensued.

Upon motion of Mr. Hunt, second by Mr. Pelletier, vote carried to approve an Addendum to the Continuing Environmental Engineering Consultant Services Agreement with MSE Group, LLC to conduct an Interim Source Removal and Conformation Sampling at the Alpha-Echo Jet Fuel Release, for the total lump sum amount of