

**AMENDMENT 1 to ADDENDUM NO. 28  
TO THE AGREEMENT DATED SEPTEMBER 8, 2017  
BETWEEN GREATER ORLANDO AVIATION AUTHORITY  
AND MATERN PROFESSIONAL ENGINEERING, INC.**

**Project: Additional Design Services for E-S00015-MCO Terminal C  
KVAR Pilot Program, Orlando International Airport**

**THIS AMENDMENT** is effective this 13<sup>th</sup> day of June, 2023, by and between the **GREATER ORLANDO AVIATION AUTHORITY** (“Authority”), and **MATERN PROFESSIONAL ENGINEERING, INC.** (“Consultant”).

**WITNESSETH:**

**WHEREAS**, by Agreement dated September 8, 2017, Authority and Consultant entered into an agreement for Consultant to provide Continuing MEP Engineering 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 Amendment 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.

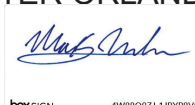
2. Consultant shall be compensated for such additional services in the **LUMP SUM** amount of **ONE THOUSAND SIX HUNDRED AND NO/100 DOLLARS (\$1,600.00)**, broken down as follows:

<b>Professional Fees:</b>	<b>NTE:</b>	<b>\$0.00</b>
<b>Professional Fees:</b>	<b>LS:</b>	<b>\$1,600.00</b>
<b>Reimbursable Expenses:</b>	<b>NTE:</b>	<b><u>\$0.00</u></b>
<b>Total:</b>		<b>\$1,600.00</b>

3. Except as expressly modified in this Amendment, the Agreement dated September 8, 2017 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 day of Jun 21, 2023 \_\_\_\_\_.

**GREATER ORLANDO AVIATION AUTHORITY**



By: \_\_\_\_\_  
Max Marble  
Sr. Vice President, Capital Programs  
Construction Committee Chair

**Approved as to Form and Legality  
(for the benefit of GOAA only)  
this day of Jun 19, 2023**



By: \_\_\_\_\_  
**NELSON MULLINS BROAD AND  
CASSEL, Legal Counsel  
Greater Orlando Aviation Authority**

**MATERN PROFESSIONAL ENGINEERING,  
INC.**



By: \_\_\_\_\_  
Signature (Duly Authorized Rep.)  
Ryan Strandquest  
Printed Name  
President  
Title



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

# Memorandum

**To:** Members of the Construction Committee D

**From:** Scott Shedek, Vice President for Construction D  
(prepared by Ksenia Merck, OAR) D

**Date:** June 13, 2023 D

**Re:** Request for Approval of an Amendment to Addendum 28 to the Continuing MEP Engineering Services Agreement with Matern Professional Engineering, Inc. for Additional Design Services, E-S00015-MCO Terminal C KVAR Pilot Program at Orlando International Airport D

On May 23, 2023, the Construction Committee approved Addendum 28 in the amount of \$12,906.00 to the above-referenced agreement. Since that time, it has been discovered that additional service for data collection is needed as further described in the Consultant's proposal dated June 5, 2023. D D

If approved, these services would be effective upon CCM approval on June 13, 2023. D

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

- Experience D D  Available Personnel D  Current Workload D
- Expertise D D  Equitable Distribution D  Other: \_\_\_\_\_ D

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

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

Funding is from General Airport Revenue Bonds (Terminal Category 2). Funding source verified by Melvin Martinez D of Construction Finance on 06/08/23 D as correct and available. D

It is respectfully requested that the Construction Committee approve an Amendment to Addendum 28 to the Continuing MEP Engineering Services Agreement with Matern Professional Engineering, Inc. for the services contained herein in the amount as shown below: D

Not to Exceed Fees D	\$0.00 D
Lump Sum Fees D	\$1,600.00 D
Not to Exceed Expenses D	\$0.00 D
<b>TOTAL D</b>	<b>\$ 1,600.00 D</b>
AAC – Compliance Review Date D	<u>QSS</u> 6/7/23 D
AAC – Funding Eligibility Review Date D	<u>QSS</u> 6/7/23 D



**GREATER ORLA - O AVIATIO NAUTHORITY**

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

**MEMORA - UM -**

To: - Members of the Procurement Committee -

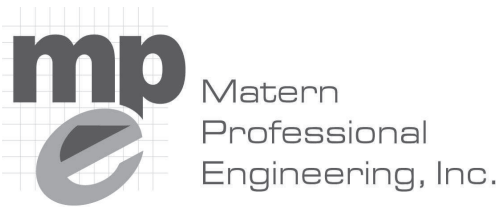
From: - Edelis Molina, Sr. Small Business Administrator -

Date: June 13, 2023 -

Re: - Request for Approval of an Amendment to Addendum 28 to the Continuing MEP Engineering Services -  
Agreement with Matern Professional Engineering, Inc. for Additional Design Services, E-S00015-MCO -  
Terminal C KVAR Pilot Program at Orlando International Airport -

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined -  
that, due to the limited scope of the required services, Matern Professional Engineering, Inc. does not propose -  
small business participation on this amendment. -

Our analysis indicates that Matern Professional Engineering, Inc. is eligible for award of the subject amendment. -



Mechanical Electrical Plumbing Fire Protection Technology

F

F

Jun 5, 2023 F

F

Scott Shidk F

Greater Orlando Aviation Authority F

11314 Terminal CServi Road F

Orlando, FL 32824 F

F

Re: E-S00015 – MCO Terminal C KVAR Pilot Program at Orlando International Airport Additional F

Service for Addendum No. 28 F

F

Scott, F

F

Attached is our proposal for additional service for Addendum No. 28 for the design of E-S00015 – MCO F

Terminal C KVAR Pilot Program at Orlando International Airport project. F

F

1. General Description of Electrical Scope and Fees for Additional Service F

1.1 Additional metering data for pilot program (required to shift installation from PDP to F

Switchgear based on 6/5/23 meeting with Ksenia Merik). F

F

Proposed Total Lump Sum Additional Service Value : F \$1,600.00 F

F

F

Thank you for the opportunity to propose our service for this project. F

F

Sincerely, F

F

MATERN PROFESSIONAL ENGINEERING, INC. F

F

Thomas Croff F

F

: Contract File T-6612 F

F

Attachment: F

C-Table (Electrical) F

F

**EXHIBIT A CONSULTANT'S COMPENSATION PROPOSAL**

6/5/2023

**TABLE C-1  
SUMMARY OF TOTAL CONTRACT VALUE**

Phase of Project:	Preliminary Design	Schematic 30%	Development 60%	Construction Documents 95%	Bidding & Construction Award	SUBTOTAL	Construction Administration	Records Management	TOTAL CONTRACT VALUE
1.0 Lump Sum Fee:	\$0.00	\$0.00	\$0.00	\$1,600.00	\$0.00	\$1,600.00	\$0.00	\$0.00	\$1,600.00
2.0 Not to Exceed Reimbursable Fee:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3.0 Not to Exceed Reimbursable Expenses:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>4.0 TOTAL CONTRACT VALUE:</b>	\$0.00	\$0.00	\$0.00	\$1,600.00	\$0.00	\$1,600.00	\$0.00	\$0.00	\$1,600.00

Total Lump Sum Labor Hours:	0	0	0	0	0	0	0	0	0
Total Not to Exceed Reimbursable Labor Hours:	0	0	0	0	0	0	0	0	0
<b>TOTAL LABOR HOURS:</b>	0	0	0	0	0	0	0	0	0
<b>Average Hourly Rate:</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Notes:

- The lump sum cells in Table C-1 are linked to Table C-2 values
- The Not to Exceed cells in Table C-1 are linked to Table C-4 values
- 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 3**  
**BREAKDOWN OF LUMP SUM FEES**

Position	Principal Engineer/ QC		Engineer V		Sr. Project Manager		Sr. Engineer		Project Manager		Engineer/ Designer IV/ Field Tech III		Designer III/ Field Tech II/ BIM		Designer II/ AD/ Clerical		TOTAL			
	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Avg. Hourly Rate	
Rate (\$/Hour):	\$238.00		\$179.00		\$135.00		\$128.00		\$120.00		\$99.00		\$91.00		\$77.00		\$61.00			
Additional meter to collect data for pilot program (required to shift installation from PDP to Switchgear (based on 6/5/23 meeting with Ksenia Merck)).		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0		\$0	1	\$1,600	\$0.00	
<b>Sub Total on Construction Document (95 100%)</b>	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$1,600	\$0.00	
<b>TOTAL ESTIMATED LUMP SUM FEE:</b>	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$1,600	\$0	

\$1,600

\$1,600

NOTES:

- A separate spreadsheet is required for each consultant with any portion of its services to be compensated on a lump sum basis.
- Each spreadsheet to be customized to accurately indicate the actual services to be provided for each phase of the Project.

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MET Electric | Testing a

Technic | Propos | a

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Power Recording a  
Propos | a

a

To: a Mætern Profession aEngineering a

a

Project: a GOAA-Neg tivekVARPowerQu dity a

An lysis D te: a June 6, 2023 a

a

Mr. Croff, a

a

MET Electric | Testing is ple sed to submit this propos | for Power Recording on the bove referenced a  
GOAA- Neg tive kVAR Power Qu lity An lysis Project. The scope of the project is to pl ce (1) ddition | a  
energy recorder on P nel 7EMSBW15AB required to shift inst ll tion from PDP to Switchge r t the a  
Orl ndo Intern tion | Airport Termin | C for per iod of 2 weeks, to n lyze the Power Qu lity. Ple se a  
see below for det iled scope nd services t ilored to meet the needs of Mætern Profession | Engineering a  
nd your client. a

a

Scope of Work a

MET Electric | Testing will perform the following scope of work: a

Provide ll necess ry personnel nd tools required to pl ce PEL-103 Energy Recorder on a  
e ch M ain Bre ker (Emergency nd Utility) for P nel 7EMSBW15AB required to shift a  
inst ll tion from PDP to Switchge r for 2 weeks. MET will remove the meters fter 2 weeks nd a  
provide det iled report of the findings. a

- Report will include the following recorded d t , Current, Volt ge, %THD, a  
H armonics to the 50<sup>th</sup> h rmonic, kW, kVA, kVAR, frequency, nd power f ctor. a

Qu ntity of Equipment to be Tested. a

a

Equ pment a	7EMSBW15AB a	Count a
Ma n Breakers for Panel 7EMSBW15B	ata recor ng for 2 weeks a	1 a
Note, th s an a a t onal serv ce to nclu e one a a t onal meter. a		a
a		a

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Assumpt ons / Clar f cat ons a

The customer shall prov e safe access n close prox m ty to all equ pment to beteste . a

Customer to prov e 1 source of 120VAC n close prox m ty to each panel be ng recor e , for a total of 2 a  
meters (one ex st ng an one a a t onal meter). a

a Work s to be complete ur ng normal work ng hours of 7AM to 5PM. a



MET Electrical Testing  
 Safety

MET Electrical Testing technicians performing the electrical tests and inspections are trained and experienced concerning the apparatus and systems being evaluated. These individuals will conduct the tests in a safe manner and with complete knowledge of the hazards involved. MET technicians will evaluate the test data and make a judgment on the continued serviceability of the specific equipment. All MET employees have complete electrical safety training and will perform per accepted and industry safety practices.

Test Equipment Calibration

MET Electrical Testing uses a calibration program which assures that all applicable test instruments are maintained with in-rate accuracy for each test instrument calibration. The firm providing calibration services maintains up-to-date instrument calibration instructions and procedures for each test instrument calibration. The accuracy is directly traceable to the National Institute of Standards and Technology (NIST).

Test Report

Test reports include the following:

- Summary of Project.
- Description of equipment tested.
- Description of tests.
- Test Data.
- Analysis and recommendations.

Test data records include the following minimum requirements:

- Identification of the testing organization.
- Equipment identification.
- Humidity, temperature, and other atmospheric conditions that may affect the results of the tests/calibrations.
- Date of inspections, tests, maintenance, and/or calibrations.
- Identification of the testing technician.
- Identification of inspections, tests, maintenance, and/or calibrations to be performed and recorded.
- Identification of expected results when calibrations are to be performed.
- Identifications of "as found" and "as left" results, as applicable.

Please confirm that this scope of work is what is required for the GOAA-Negative kVAR Power Quality Analysis Power Recording project.

Estimate of Costs per COLO

Service	Fees
2 week recording of Main breakers for Panel 7EMSBW15B	\$1,600

v

v

Payment is net 30 days from the date of service. v

v

We greatly appreciate the opportunity to work on this project and I feel that we are thoroughly qualified to provide the professional testing services you require. MET Electrical Testing employs NICET Electrical Test Technician certificate, NFPA 70e trained professional testing experts. v

v

You may contact me if you have any further questions or comments, as we would be pleased to discuss this project further. v

v

v

Sincerely, v

MET Electrical Testing v

v



Aaron Albritton v

VP Operations v

v

If this proposal is acceptable, please return a signed copy to me along with a W9. v

v

v

v

v

\_\_\_\_\_  
Customer Signature v

\_\_\_\_\_  
Date v

v



6/7/23

Mechanica Electrical Plumbing Fire Protection  
Technology Energy Commissioning Engineers

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: Matern Professional Engineering, Inc.

By: 

Print Name: Thomas C. Croff

Date: 06/5/2023