

**AMENDMENT 1 to ADDENDUM NO. 47
TO THE AGREEMENT DATED AUGUST 3, 2018
BETWEEN GREATER ORLANDO AVIATION AUTHORITY
AND TERRACON CONSULTANTS, INC.**

Project: Additional FY23 Industrial User Discharge Permit, Orlando International Airport

THIS AMENDMENT is effective this 19th day of April, 2023, by and between the **GREATER ORLANDO AVIATION AUTHORITY** ("Authority"), and **TERRACON CONSULTANTS, INC.** ("Consultant").

WITNESSETH:

WHEREAS, by Agreement dated August 3, 2018, Authority and Consultant entered into an agreement for Consultant to provide continuing environmental 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 **NOT TO EXCEED** amount of **THIRTY THOUSAND FIVE HUNDRED FIFTY-SIX AND NO/100 DOLLARS (\$30,556.00)**, broken down as follows:

| | | |
|-------------------------------|-------------|--------------------------|
| Professional Fees: | NTE: | \$22,696.00 |
| Professional Fees: | LS: | \$0.00 |
| Reimbursable Expenses: | NTE: | <u>\$7,860.00</u> |
| Total: | | \$30,556.00 |

3. Except as expressly modified in this Amendment, the Agreement dated August 3, 2018 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 7, 2023.

GREATER ORLANDO AVIATION AUTHORITY

Kevin J. Thibault

By:

box SIGN 1V3Q39J4-4W8J6WZ6
Kevin J. Thibault, P.E.
Chief Executive Officer

**Approved as to Form and Legality
(for the benefit of GOAA only)
this day of May 1, 2023**

Karen Ryan

By:

box SIGN 2J8R654-4W8J6WZ6
**NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority**

TERRACON CONSULTANTS, INC.

Mark Mulligan

By:

box SIGN 42K22VXW-4W8J6WZ6
Signature (Duly Authorized Rep.)

Mark Mulligan

Printed Name

Principal

Title



GREATER ORLANDO AVIATION AUTHORITY

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

MEMORANDUM

TO: Members of the Procurement Committee

FROM: Brad Friel, Sr. Vice President, Multi-Modal, Planning and Environmental

DATE: March 28, 2023

ITEM DESCRIPTION

Request for Recommendation of Approval of an Amendment to Addendum 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants Inc. to provide Additional FY23 Industrial User Discharge Permit at Orlando International Airport.

BACKGROUND

In 2018, the firms providing Continuing Environmental Engineering Consulting Services were selected through a competitive award process. These services are procured on an as-needed or annual basis.

On May 16, 2018, the Aviation Authority Board approved a Continuing Environmental Engineering Consulting Services Agreement with the following firms:

- AECOM Technical Services, Inc.
- MSE Group, LLC (*MWBE*)
- Professional Services Industries, Inc.
- Terracon Consultants, Inc.

These no-cost base agreements established the negotiated hourly rates. The services may include, but not limited to, environmental consulting services; conducting all phases of environmental contamination assessments for petroleum and hazardous materials; preparing reports and providing pertinent training as required by federal, State of Florida, and local agencies; storage tank management; coordination with regulatory agencies and remedial contractors; emergency response to fuel, petroleum and hazardous materials incidents, including immediate response to limit releases to the environment, performance of initial remedial actions and other related services including coordination with the Aviation Authority, its Consultants, the City and all agencies having jurisdiction over the Orlando International Airport, Orlando Executive Airport, and Other Facilities operated by the Aviation Authority.

The Services may also include, but are not limited to, studies and preparation of reports involving scope definition and validation of projects, analysis of environmental design parameters, budget development, evaluation and documentation of existing conditions; environmental design, bid/procurement and award, permitting, environmental construction administration, technical support and review of documents prepared by others, environmental management support on various Aviation Authority projects and all other environmental engineering and related professional services which may be required where the Aviation Authority elects not to solicit letters of interest by means of public advertisement.

ISSUES

On September 27, 2022, the Construction Committee approved Addendum 47 to the above referenced agreement in the amount of \$21,809.00. Since that time, it has been determined that additional compliance activities pertaining to (GOAA)'s (IUDP) #CO106TA are required as furthered described in Consultant's proposal, dated March 8, 2023.

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

SMALL BUSINESS

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

ALTERNATIVES

None.

FISCAL IMPACT

The fiscal impact is \$30,556.00. Funding is from previously-approved Operations & Maintenance Budget.

RECOMMENDED ACTION

It is respectfully requested that the Procurement Committee recommend to the Aviation Authority Board approval of an Amendment to Addendum 47 to the Continuing Environmental Engineering Consulting Services with Terracon Consultants Inc. for the services contained herein and the amount as shown below:

| | |
|--|--------------------|
| Not-to-Exceed Fees | \$22,696.00 |
| Lump Sum Fees | \$0.00 |
| Not-to-Exceed Expenses | \$7,860.00 |
| TOTAL | \$30,556.00 |
| AAC – Compliance Review Date | <i>QSS</i> 3/14/23 |
| AAC – Funding Eligibility Review Date | 3/15/23 |


ATTACHMENTS

Attachment A: Finance Form

Attachment B: OSBD Memo

FINANCE FORM

NON-PROJECT FUNDS: O&M

| | | | | | | |
|---|--|------------------------|------------------------|------------------------|------------------------|---------------------------|
| Account Code Format: xxx.xxx.xxx.xxxxxxx.xxx.xxxxxx | FY 23 Amount | FY24 Amount | FY25 Amount | FY26 Amount | FY27 Amount | TOTAL CONTRACT |
| 301.712.170.5310010.000.000000 | \$30,556.00 | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Total Requisition: | \$30,556.00 | | | | | |
| Requisition Number: | 93785 | | | | | |
| | | | | | | |
| | | | | | | |
| Funding Approver: |  | | | | | |
| OMB Notes: | 03/15/23 | | | | | |
| | | | | | | |



1675 Lee Road
Winter Park, FL 32789

P (407) 740-6110

F (407) 740-6112

Terracon.com

March 8, 2023

Greater Orlando Aviation Authority
5855 Cargo Road
Orlando, Florida 32827

Attention: Mr. Dan Carrington
Telephone: 407-825-3463
E-mail: DCarrington@goaa.org

Re: Proposal for 2023 Industrial User Discharge Compliance Monitoring Activities
Orlando International Airport Lift Stations
Orlando, Orange County, Florida
Terracon Proposal No. PH1237230

Dear Mr. Carrington:

As per your request, the following is Terracon's scope of services and associated costs for activities related to the continuation of compliance sampling, analyses and reporting activities at four (4) lift stations at the Orlando International Airport through September 30, 2023. This proposal outlines the project and presents the costs to perform the below described scope of services. The compliance monitoring activities are required pursuant to the Greater Orlando Aviation Authority's (GOAA) Industrial User Discharge Permit (IUDP) No. CO106TA issued by the City of Orlando (City).

A. SCOPE OF SERVICES

Task 1: Installation of Sample Ports

Access ports will be installed at each of the two (2) South Terminal lift stations to facilitate wastewater sampling activities. Installation of the sample ports will be performed by our subcontractor, Petrotech Southeast, Inc. (Petrotech) of Astatula, Florida.

Task 2: Compliance Monitoring

Terracon will perform sampling, analysis and reporting activities at two (2) lift stations located at the North Terminal (LS # 218 and LS #221), and two (2) lift stations (LS #235 and LS #236) at Terminal C.

Pursuant to the IUDP requirements, the sample schedule will consist of the following events:

- June 2023: North Terminal LS#218 and LS #221 for chlorides
- July 2023: Terminal C LS #235 and LS #236 for chlorides and copper

Please note, resample events may be required by the City based on initial laboratory analytical results. For the purpose of this proposal, up to one (1) resample event has been included for each of the Lift Stations for copper and chlorides as applicable.

Each sampling event will generally consist of the following activities:

1. Set up and program a wastewater composite sampler at each of the lift stations for performance of a 24-hour composite sampling event.
2. Collect wastewater samples from each lift station upon completion of the 24-hour composite sampling process and deliver to a local State of Florida certified environmental laboratory for analytical testing. The wastewater samples will be properly transferred into the appropriate laboratory-supplied containers, dated, and preserved on wet ice prior and transported using chain-of-custody protocol to the laboratory.
3. The laboratory analytical testing services will be provided by Southern Research Laboratories, Inc. (SRL) of Orlando, Florida. The analysis for copper (metals) will be conducted by Environmental Protection Agency (EPA) 6010, and chloride by EPA Method 300.0.
4. Prepare monitoring reports for each sample event detailing the sampling methodology, field and analytical results and our conclusions and recommendations. Within five days of receipt of the laboratory analytical results, the report will be submitted to GOAA for review, approval and subsequent forwarding to the City of Orlando's permitting authority as required.

Commitment to Safety

Terracon is committed to the safety of all its employees. As such, and in accordance with our Incident and Injury Free® safety culture, Terracon will develop a safety plan to be used by our personnel during field services. Prior to commencement of on-site activities, Terracon will hold a meeting to review health and safety needs for this specific project. At this time, we anticipate performing fieldwork in a modified USEPA Level D work uniform consisting of safety glasses, protective gloves, and steel-toed boots. It may become necessary to upgrade this level of protection, at additional cost, while sampling activities are being conducted in the event that petroleum or chemical constituents are encountered in soils or groundwater that present an increased risk for personal exposure.

Quality Assurance/Quality Control

All field sampling activities will be performed by Terracon following the applicable procedures and requirements described in Florida Department of Environmental Protection's *Standard Operating Procedures for Field Activities*, DEP-SOP-001/01, effective April 16, 2018. Laboratory analyses will be conducted by MWBE-certified Southern Research Laboratories, Inc. (SRL), in general accordance with their National Environmental Laboratory Accreditation Program approved Quality Assurance Plan, certified by the Florida Department of Health.

B. COMPENSATION

Terracon is prepared to implement the above generally outlined scope of services immediately upon your authorization and notice to proceed. Our total estimated cost to complete the project is a not to exceed amount of **\$30,556.00**, consisting of \$22,696.00 in Professional Service Fees and \$7,860.00 in Reimbursable Expenses as noted in **Attachment A**. The applicable MWBE

participation for this project is 1% and is shown on **Attachment B**. A copy of the SRL fee schedule and Petrotech proposal are included with the Truth in Negotiation Certification in **Attachment C**.

C. AUTHORIZATION

If this proposal meets with your approval, work may be initiated upon receipt of an Addendum to the Continuing Environmental Engineering Services Contract dated August 3, 2018.

We appreciate the opportunity to provide this proposal and look forward to working with you on this project. If you have any questions or comments regarding this proposal or require additional services, please contact our office at 407-740-6110.

Sincerely,

Terracon Consultants, Inc.

A handwritten signature in blue ink, appearing to read 'Lydia Wing'.

Lydia Wing
Senior Geologist

A handwritten signature in black ink, appearing to read 'Mark Mulligan'.

Mark Mulligan, P.G.
Office Manager III

Attachments

ATTACHMENT A

ATTACHMENT A - ESTIMATED COSTS
INDUSTRIAL USER DISCHARGE COMPLIANCE MONITORING - FY 2023
ORLANDO INTERNATIONAL AIRPORT
ORLANDO, ORANGE COUNTY, FLORIDA
TERRACON PROPOSAL NO. PH1237230
March 8, 2023

| DESCRIPTION | QTY. | RATE | UNIT | AMOUNT | RE | PSF |
|---|------|------------|----------|--------------------|-------------------|--------------------|
| PETROTECH SOUTHEAST | | | | | | |
| I. PORT INSTALLATION | | | | | | |
| a. Port per Lift Station | 2 | \$3,000.00 | Each | \$6,000.00 | \$6,000.00 | |
| Subtotal Port Installation | | | | \$6,000.00 | | |
| TERRACON | | | | | | |
| I. FIELD SERVICES (Sample Port Installation - Coordination and Field Activities) | | | | | | |
| a. Mobilization of Crew and Equipment | 2 | \$100.00 | Each | \$200.00 | \$200.00 | |
| b. Senior Engineer | 16 | \$143.00 | Per Hour | \$2,288.00 | | \$2,288.00 |
| c. Senior Env Technician | 4 | \$75.00 | Per Hour | \$300.00 | | \$300.00 |
| Subtotal Field Services - Port Installation | | | | \$2,788.00 | | |
| II. FIELD SERVICES (Sampling Activities) | | | | | | |
| a. Mobilization of Crew and Equipment | 8 | \$100.00 | Each | \$800.00 | \$800.00 | |
| b. Senior Engineer | 64 | \$143.00 | Per Hour | \$9,152.00 | | \$9,152.00 |
| c. Senior Env Technician | 54 | \$75.00 | Per Hour | \$4,050.00 | | \$4,050.00 |
| d. Sampling Supplies | 8 | \$75.00 | Each | \$600.00 | \$600.00 | |
| Subtotal Field Services - Sampling | | | | \$14,602.00 | | |
| III. MONITORING REPORTS and PROJECT MANAGEMENT | | | | | | |
| a. QC Reviewer | 4 | \$192.00 | Per Hour | \$768.00 | | \$768.00 |
| b. Senior Engineer | 30 | \$143.00 | Per Hour | \$4,290.00 | | \$4,290.00 |
| c. Senior Project Manager | 8 | \$169.00 | Per Hour | \$1,352.00 | | \$1,352.00 |
| d. Clerical | 8 | \$62.00 | Per Hour | \$496.00 | | \$496.00 |
| Subtotal Professional Services | | | | \$6,906.00 | | |
| Total Estimated Terracon Cost | | | | \$24,296.00 | | |
| SOUTHERN RESEARCH LABORATORIES (MWBE) | | | | | | |
| I. LABORATORY SERVICES | | | | | | |
| a. Chlorides | 8 | \$25.00 | Each | \$200.00 | \$200.00 | |
| b. Copper (metals by ICP) | 4 | \$15.00 | Each | \$60.00 | \$60.00 | |
| Subtotal Laboratory Analysis | | | | \$260.00 | | |
| TOTAL REIMBURSABLE EXPENSES (RE) | | | | | \$7,860.00 | |
| TOTAL PROFESSIONAL SERVICE FEES (PSF) | | | | | | \$22,696.00 |
| TOTAL ESTIMATED PROJECT COSTS | | | | | | 30,556.00 |

ATTACHMENT B

ATTACHMENT B- MWBE PARTICIPATION SCHEDULE

**INDUSTRIAL USER DISCHARGE COMPLIANCE MONITORING - FY 2023
Permit Compliance Monitoring Activities - Orlando International Airport
Orlando, Orange County, Florida
March 8, 2023**

| Name of Subconsultant | Address | Proposed Scope of Services | FEE | Proposed Participation |
|---|--|---------------------------------------|------------|-----------------------------------|
| Southern Research Laboratories, Inc. | 2251 Lynx Lane, Suite 1 Orlando, FL 32804 | Laboratory Analytical Services | \$ 260.00 | 1% |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total Proposed Participation | | | \$ 260.00 | 1% |

ATTACHMENT C



March 8, 2023

Lydia Wing
Terracon / GOAA
1675 Lee Road
Orlando, FL 32789
Lydia.wing@terracon.com

RE: GOAA Lift Station Sampling Ports

Dear Ms. Wing:

Petrotech Southeast, Inc. is a local, family-owned and operated environmental services company with over twenty-five years of experience in Central Florida. We appreciate the opportunity to quote this project. Per your request, please find our proposal for the services you require.

Description of work: Petrotech Southeast Inc. will provide the equipment and personnel to build and install PVC sampling ports at two wastewater lift stations on GOAA property. The lift station atmosphere will be ventilated and tested prior to a permit-required confined space entry being performed.

Pricing: \$6,000

- 2 Sample Port Installations at \$3,000 each.

The pricing above is based on normal working hours, M-F, 7:00 AM – 5:00 PM.

Thank you for the opportunity to work with you on this project. If you have any questions or concerns with this proposal please do not hesitate to call me.

Thank You,

Jason W. Yates
Vice President



**Southern
Research
Laboratories, Inc.**

2251 Lynx Lane, Suite 1
Orlando, Florida 32804
(407) 522-7100 Fax (407) 522-7043

**PRICING SCHEDULE 2022
PREPARED FOR : TERRACON**

VOLATILE ORGANIC COMPOUNDS

| PARAMETER | EPA/STANDARD METHOD TEST | COST OF ANALYSIS | |
|------------------------------------|-----------------------------|------------------|-------------|
| | | WATER | SOIL/SOLIDS |
| Volatile Organic Halocarbons (VOH) | EPA 8260 | \$65.00 | \$65.00 |
| BTEX/MTBE (VOA) | EPA 8260 | \$50.00 | \$50.00 |
| Volatile Organics (8260) | EPA 8260 | \$95.00 | \$95.00 |
| 1,4 Dioxane | EPA 8260SIM (Heated Purge) | \$95.00 | \$95.00 |
| Library Search (peaks > 10 ug/l) | EPA 8260 TIC | \$50.00 | \$50.00 |

SEMIVOLATILE COMPOUNDS

| PARAMETER | EPA/STANDARD METHOD TEST | COST OF ANALYSIS | |
|--|-----------------------------|------------------|-------------|
| | | WATER | SOIL/SOLIDS |
| Semivolatile Compounds (BNA) | EPA 8270 | \$295.00 | \$295.00 |
| Polynuclear Aromatic Hydrocarbon Compounds | EPA 8270 SIM | \$90.00 | \$90.00 |
| EDB | EPA 8260SIM | \$50.00 | \$60.00 |
| Organochlorine Pesticides (Chlorinated) | EPA 8081 | \$125.00 | \$135.00 |
| Organophosphorus Pesticides | EPA 8141 | \$150.00 | \$160.00 |
| PCBs | EPA 8082 | \$90.00 | \$90.00 |
| Chlorophenoxy Herbicides | EPA 8151 | \$195.00 | \$195.00 |
| FLPRO | FLPRO | \$80.00 | \$85.00 |
| Library Search (peaks > 10 ug/l) | EPA 8270 TIC | \$50.00 | \$50.00 |

METALS

| PARAMETER | EPA/STANDARD METHOD TEST | COST OF ANALYSIS | |
|--|-----------------------------|------------------|-------------|
| | | WATER | SOIL/SOLIDS |
| Metals by ICP | EPA 200.7/6010 | \$15.00 | \$20.00 |
| RCRA 8 Metals | EPA200.7/6010/245.1/7471 | \$135.00 | \$165.00 |
| Mercury by Cold Vapor | EPA 245.1/7471 | \$40.00 | \$40.00 |
| Mercury, Low Level | EPA 1631 | \$125.00 | NA |
| Laboratory Filtration for Dissolved Metals | SOP | \$10.00 | NA |

RCRA/WASTE CHARACTERIZATION

| PARAMETER | EPA/STANDARD METHOD TEST | COST OF ANALYSIS |
|-------------------------|-----------------------------|------------------|
| TCLP Metals, RCRA 8* | EPA 6010/7471 | \$110.00 |
| TCLP Volatiles* | EPA 8260 | \$90.00 |
| TCLP Semivolatiles* | EPA 8270 | \$295.00 |
| TCLP Pesticides* | EPA 8081 | \$125.00 |
| TCLP Herbicides* | EPA 8151 | \$195.00 |
| TCLP/SPLP Extraction | EPA 1311/1312 | \$50.00 |
| ZHE Volatile Extraction | EPA 1311/1312 | \$50.00 |
| Ignitability | EPA 1010 | \$60.00 |
| Corrosivity (pH) | EPA 9056 | \$15.00 |

*TCLP Extraction Fees not Included.



2251 Lynx Lane, Suite 1
Orlando, Florida 32804
(407) 522-7100 Fax (407) 522-7043

PRICING SCHEDULE 2022
PREPARED FOR : TERRACON

UST GROUP TESTS

| PARAMETER | EPA/STANDARD METHOD TEST | COST OF ANALYSIS | |
|---|-----------------------------|------------------|-------------|
| | | WATER | SOIL/SOLIDS |
| Table B, 62-777 (KAG) | Various | \$310.00 | \$260.00 |
| Table C, 62-777 | Various | \$675.00 | \$690.00 |
| Virgin Preburn 62-713 (VOH/4 RCRA/FLPRO) | Various | NA | \$200.00 |
| Non Virgin Preburn, 62-713 | Various | NA | \$350.00 |
| (VOH/FLPRO/4 RCRA/TOX/PCBs) | | | |
| MA-EPH/VPH [MA-EPH (Extractable Petroleum)] [MA-VPH (Volatile Petroleum Hydrocarbons)] | Various | NA | \$325.00 |

GENERAL CHEMISTRY

| PARAMETER | EPA/STANDARD METHOD TEST | COST OF ANALYSIS | |
|-------------------------------|-----------------------------|------------------|-------------|
| | | WATER | SOIL/SOLIDS |
| Alkalinity | EPA 310.1/SM2320B | \$25.00 | NA |
| CBOD | SM5210B | \$50.00 | NA |
| Chloride | EPA 300.0/9053 | \$25.00 | \$35.00 |
| Fluoride | EPA 300.0 | \$25.00 | \$35.00 |
| Hardness | SM 2340C | \$25.00 | NA |
| Hexavalent Chromium | EPA 7196A/SM 3500-CR | \$35.00 | \$50.00 |
| Nitrogen, Ammonia | 350.1/350.3 | \$50.00 | \$50.00 |
| Nitrogen, Nitrate | EPA 300.0/SM4500-NO3 | \$25.00 | \$35.00 |
| Nitrogen, Nitrite | EPA 300.0/SM4500-NO2 | \$25.00 | \$35.00 |
| Nitrogen, Nitrate+Nitrite | EPA 300.0/SM4500-NO3-NO2 | \$50.00 | \$35.00 |
| Nitrogen, Total | CALC | \$65.00 | \$85.00 |
| Nitrogen, Organic | CALC | \$75.00 | \$85.00 |
| Oil and Grease | EPA 1664 | \$125.00 | \$125.00 |
| Oil and Grease SGT-HEM | EPA 1664 | \$125.00 | \$125.00 |
| pH | EPA 150.1/SM4500-H+B | \$15.00 | \$15.00 |
| Phenols, Total | 420.2 | \$95.00 | NA |
| Phosphorus, Ortho | EPA 300.0/EPA 365.3 | \$35.00 | \$35.00 |
| Phosphorus, Total | EPA 365.3 | \$35.00 | \$35.00 |
| Residue, Filterable (TDS) | SM 2540C | \$15.00 | NA |
| Residue, Non Filterable (TSS) | EPA 160.1 | \$15.00 | NA |
| Sulfate | EPA 300.0/375.4 | \$25.00 | \$35.00 |
| Sulfide | EPA 376.1/SM 4500-S-F | \$25.00 | \$35.00 |
| Surfactants (MBAs) | SM 5540C | \$50.00 | NA |
| Total Halogens | | \$125.00 | \$125.00 |

MISC CHARGES

| ITEM | COST PER SAMPLE |
|-------------------------------|-----------------|
| Rush Fee 24 Hr. | 200% Surcharge |
| Rush Fee 48 Hr. | 175% Surcharge |
| Rush Fee 72 Hr. | 100% Surcharge |
| 25g EnCore Sampler (SPLP ZHE) | \$22.00 |

Prices quoted reflect a 5-10 business day turnaround and include the following service options:

- All necessary sampling containers, coolers, and preservatives.
- Pre printed labels, • Sample kit delivery only
- Data delivery via email.

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 Terracon Consultants, Inc.

By: 

Print Name: Mark Mulligan

Date: March 8, 2023

Addenda / Amendments Awarded per Agreement - Summary for Committee

Terracon Consultants, Inc. -- Agreement No. 201805-CEE4 Continuing Environmental Engineering Services

| Add | Amd | Proj. | Description | PSC/CCM | Board | Exec. | PO# | \$ Amount | Cumul. per Add. \$ Amount | |
|-----|-----|--------------|--|---------|----------|----------|----------|-----------|------------------------------|--------------|
| 000 | 000 | - | Continuing Environmental Engineering Services | PSC | 04/26/18 | 05/16/18 | 08/03/18 | \$0.00 | \$0.00 | |
| 001 | 000 | V-S00010-MCO | V-S00010-MCO HBJ WAREHOUSE INTERIOR RENOVATIONS (DESIGN/BUILD) Conduct Mold Remediation for V-S00010 | CCM | 08/14/18 | NA | 08/31/18 | 1005817 | \$48,003.00 | \$48,003.00 |
| 002 | 000 | - | Conduct On-Call Indoor Air Quality Related Services and Applicable Remediation Services | CCM | 09/25/18 | NA | 10/17/18 | 89845 | \$60,000.00 | \$60,000.00 |
| 002 | 001 | - | No Cost Reallocation of Conduct FY19 On-Call Indoor Air Quality Related Services and Applicable Remediation Services | CCM | 04/23/19 | NA | 05/16/19 | Amd89845 | \$0.00 | \$60,000.00 |
| 002 | 002 | - | Conduct Additional FY19 On Call Indoor Air Quality Related Services and Applicable Remediation Services | CCM | 05/14/19 | NA | 06/06/19 | Amd89845 | \$45,000.00 | \$105,000.00 |
| 003 | 000 | - | FY19 Petroleum Storage Tanks Systems Maintenance and Repair On-Call Services | CCM | 09/25/18 | NA | 10/17/18 | 89844 | \$60,000.00 | \$60,000.00 |
| 004 | 000 | - | Incorporate Environmental Cleanup sites into DRMP Database Platforms | CCM | 12/04/18 | NA | 01/03/19 | 90275 | \$23,456.00 | \$23,456.00 |
| 005 | 000 | - | Conduct FY19 Air Permit Compliance Services | CCM | 12/04/18 | NA | 01/03/19 | 90276 | \$44,899.00 | \$44,899.00 |
| 006 | 000 | - | Perform FY19 Quarterly Maintenance on Grease Traps & Oil Water Separators | CCM | 12/04/18 | NA | 01/03/19 | 90274 | \$82,464.00 | \$82,464.00 |
| 007 | 000 | - | Conduct FY19 Industrial User Compliance Monitoring Activities | CCM | 12/11/18 | NA | 01/03/19 | 90279 | \$23,720.00 | \$23,720.00 |
| 008 | 000 | - | Conduct Monitoring Well Abanadonment at the GOAa Former Building 441 Pumphouse #2 | CCM | 01/22/19 | NA | 02/07/19 | 1006021 | \$6,687.00 | \$6,687.00 |
| 009 | 000 | - | Conduct 2019 Semi-Annual Monitoring and Reporting of the Cargo Rd. Landfill | CCM | 02/12/19 | NA | 03/15/19 | 90647 | \$57,050.00 | \$57,050.00 |
| 010 | 000 | BP-00491-MCO | BP-00491-MCO WEST SECURITY SCREENING CHECK POINT EXPANSION - PACKAGE 2 Conduct Asbestos Abatement for BP-491 | CCM | 05/14/19 | NA | 06/06/19 | 1006141 | \$61,305.00 | \$61,305.00 |
| 011 | 000 | - | Conduct FY19 On Call Indoor Air Quality Related Services and Applicable Mold Remediation Services | CCM | 05/14/19 | NA | 06/06/19 | 90959 | \$20,000.00 | \$20,000.00 |
| 012 | 000 | - | Conduct a Limited Site Investigation (LSI) at the GOAA Motor Pool | CCM | 06/18/19 | NA | 07/17/19 | 1006172 | \$19,060.00 | \$19,060.00 |

Addenda / Amendments Awarded per Agreement - Summary for Committee

| | | | | | | | | | | |
|-----|-----|--------------|---|-----|----------|----------|----------|---------|--------------|--------------|
| 013 | 000 | - | Conduct Remedial System Decommissioning | CCM | 08/06/19 | NA | 09/09/19 | 91366 | \$9,469.00 | \$9,469.00 |
| 013 | 001 | - | No Cost Reallocation to Conduct Remedial System Decommissioning | CCM | 01/07/20 | NA | 02/05/20 | | \$0.00 | \$9,469.00 |
| 014 | 000 | - | FY20 On-Call Services for Petroleum Storage Tanks Systems Maintenance and Repair | CCM | 09/24/19 | NA | 10/18/19 | 91604 | \$50,000.00 | \$50,000.00 |
| 015 | 000 | - | Conduct FY20 Air Permit Compliance Services | CCM | 09/24/19 | NA | 10/18/19 | 91602 | \$23,070.00 | \$23,070.00 |
| 016 | 000 | - | FY20 Industrial User Compliance Monitoring Activities | CCM | 09/24/19 | NA | 10/18/19 | 91603 | \$23,720.00 | \$23,720.00 |
| 017 | 000 | - | Perform Quarterly Maintenance on Grease Traps & Oil Water Separators FY20 | CCM | 09/24/19 | NA | 10/18/19 | 91607 | \$45,571.00 | \$45,571.00 |
| 018 | 000 | - | FY20 On-Call Indoor Air Quality Related Services and Applicable Remediation Services | CCM | 12/03/19 | NA | 12/18/19 | 91934 | \$10,000.00 | \$10,000.00 |
| 019 | 000 | - | Conduct an Asbestos Operation and Maintenance Program Update | CCM | 01/07/20 | NA | 02/05/20 | 92108 | \$12,333.50 | \$12,333.50 |
| 020 | 000 | - | Conduct 2020 Semi-Annual Monitoring and Reporting of the Cargo Rd. Landfill | CCM | 03/24/20 | NA | 04/24/20 | 92507 | \$28,620.00 | \$28,620.00 |
| 021 | 000 | - | Conduct a Limited Site Investigation (LSI) at the GOAA Motor Pool | CCM | 04/28/20 | NA | 06/05/20 | 92541 | \$27,256.00 | \$27,256.00 |
| 021 | 001 | - | No Cost Reallocation to Conduct a Limited Site Investigation (LSI) at the GOAA Motor Pool | CCM | 05/25/21 | NA | 06/08/21 | | \$0.00 | \$27,256.00 |
| 022 | 000 | - | Limited Site Investigation at the Former Underground Storage Tank at the Airside 3 Automated Guideway Transit Site | CCM | 06/23/20 | NA | 08/14/20 | 92616 | \$13,244.00 | \$13,244.00 |
| 023 | 000 | - | 2020-2021 On-Call Petroleum Storage Tanks Systems Maintenance and Repair Services | CCM | 08/11/20 | NA | 10/05/20 | 93069 | \$50,000.00 | \$50,000.00 |
| 024 | 000 | - | Conduct Semi-Annual Monitoring and Reporting of the Cargo Rd. Landfill | CCM | 09/22/20 | NA | 10/05/20 | 1006587 | \$57,050.00 | \$57,050.00 |
| 025 | 000 | - | FY21 Air Permit Compliance Services | CCM | 09/22/20 | NA | 10/05/20 | 92926 | \$30,173.00 | \$30,173.00 |
| 026 | 000 | - | FY21 Industrial User Discharge Permit | CCM | 09/22/20 | NA | 10/05/20 | 92927 | \$23,720.00 | \$23,720.00 |
| 026 | 001 | - | No Cost Reallocation to Provide Additional FY21 Industrial User Discharge Permit | CCM | 09/21/21 | NA | 10/05/21 | | \$0.00 | \$23,720.00 |
| 027 | 000 | PR-00034-MCO | PR-00034-MCO WEST CHECKPOINT APM AREA ACM ABATEMENT Asbestos Containing Material (ACM) Abatement at the West Checkpoint Airport People Mover (APM) Area | CCM | 10/27/20 | 11/11/20 | 11/20/20 | 1006609 | \$324,687.00 | \$324,687.00 |
| 028 | 000 | - | FY21 Quarterly Maintenance on Grease Traps & Oil Water Separators | CCM | 11/17/20 | NA | 12/21/20 | 93070 | \$72,204.00 | \$72,204.00 |

Addenda / Amendments Awarded per Agreement - Summary for Committee

| | | | | | | | | | | |
|-----|-----|---|---|-----|----------|----------|----------|----------------|--------------|--------------|
| 029 | 000 | - | Conduct Tank Abandonment and Closure Assessment for the Used Oil Underground Storage Tank (UST) at the GOAA Motor Pool | CCM | 12/15/20 | NA | 01/12/21 | 93137 | \$16,983.00 | \$16,983.00 |
| 029 | 001 | - | Conduct Additional Tank Abandonment and Closure Assessment for the Used Oil Underground Storage Tank (UST) at the GOAA Motor Pool | CCM | 02/23/21 | NA | 03/03/21 | | \$8,926.00 | \$25,909.00 |
| 030 | 000 | - | Conduct Well Abandonment Activities at the Former Test Injection Wells Located in the South Terminal Complex Area | CCM | 12/15/20 | NA | 01/12/21 | 1006635 | \$87,701.00 | \$87,701.00 |
| 030 | 001 | - | Additional Well Abandonment Activities at the Former Test Injection Wells Located in the STC Area | CCM | 07/06/21 | NA | 07/20/21 | AMD 1006635 | \$8,750.00 | \$96,451.00 |
| 031 | 000 | - | First Extension | CCM | 01/19/21 | 03/17/21 | 03/30/21 | | \$0.00 | \$0.00 |
| 032 | 000 | - | Conduct FY21 Asbestos Operation and Maintenance Program Update | CCM | 02/23/21 | NA | 03/03/21 | 93245 | \$13,589.50 | \$13,589.50 |
| 032 | 001 | - | No Cost Reallocation to Perform Additional FY21 Asbestos Operation and Maintenance Program Update | CCM | 05/25/21 | NA | 06/08/21 | | \$0.00 | \$13,589.50 |
| 033 | 000 | - | Provide Technical Support and Software Services for a Storage Tank Asset Management Program | CCM | 05/25/21 | NA | 06/08/21 | 93452 | \$25,006.00 | \$25,006.00 |
| 034 | 000 | - | Natural Attenuation Monitoring (NAM) Activities at the GOAA Motor Pool | CCM | 07/27/21 | NA | 08/03/21 | 1006776 | \$24,191.00 | \$24,191.00 |
| 035 | 000 | - | Conduct FY22 Air Permit Compliance Services | CCM | 09/21/21 | NA | 10/05/21 | 94237 | \$30,459.00 | \$30,459.00 |
| 036 | 000 | - | Perform FY22 Quarterly Maintenance on Grease Traps & Oil Water Separators | CCM | 09/21/21 | NA | 10/05/21 | 94272 | \$49,252.00 | \$49,252.00 |
| 037 | 000 | - | Conduct 2021-2022 Semi-Annual Monitoring and Reporting of the Cargo Rd. Landfill | CCM | 10/05/21 | NA | 10/12/21 | 1006873 | \$44,592.00 | \$44,592.00 |
| 038 | 000 | - | FY22 Industrial User Discharge Permit | CCM | 12/07/21 | NA | 12/14/21 | 94263 | \$6,758.00 | \$6,758.00 |
| 038 | 001 | - | Additional FY22 Industrial User Discharge Permit | CCM | 05/24/22 | NA | 06/08/22 | | \$18,977.00 | \$25,735.00 |
| 039 | 000 | - | Second and Final Extension | CCM | 01/11/22 | 02/16/22 | 02/23/22 | | \$0.00 | \$0.00 |
| 040 | 000 | - | Conduct FY22 Asbestos Operation and Maintenance Program Update | CCM | 02/22/22 | NA | 03/01/22 | 94448 | \$12,975.75 | \$12,975.75 |
| 041 | 000 | - | Conduct a Limited Site Assessment at the Midfield Vault | CCM | 02/22/22 | NA | 03/01/22 | 94440 | \$11,999.00 | \$11,999.00 |
| 042 | 000 | - | Provide FY22 Technical Support and Asset Management Program | CCM | 02/22/22 | NA | 03/01/22 | 94450 | \$24,956.00 | \$24,956.00 |
| 043 | 000 | - | Asbestos Removal and Demolition Services at 6300 Wetherbee Rd | CCM | 07/12/22 | NA | 07/26/22 | 94924 | \$120,772.00 | \$120,772.00 |
| 044 | 000 | - | Conduct FY23 Asbestos Operation and Maintenance Program Update | CCM | 09/27/22 | NA | 10/20/22 | 95223 | \$12,975.75 | \$12,975.75 |

Addenda / Amendments Awarded per Agreement - Summary for Committee

| | | | | | | | | | | |
|-----|-----|---|--|-----|----------|----|----------|---------|-------------|-------------|
| 045 | 000 | - | Conduct 2022-2023 Semi-Annual Monitoring and Reporting of the Cargo Rd. Landfill | CCM | 09/27/22 | NA | 10/20/22 | 1007168 | \$42,638.00 | \$42,638.00 |
| 046 | 000 | - | FY23 On Call Emergency Spill Response for Petroleum, Chemical and/or Sewer Discharges and Abandoned Drums | CCM | 09/27/22 | NA | 10/20/22 | 95224 | \$30,000.00 | \$30,000.00 |
| 047 | 000 | - | FY23 Industrial User Discharge Permit | CCM | 09/27/22 | NA | 10/20/22 | 95254 | \$21,809.00 | \$21,809.00 |
| 048 | 000 | - | FY23 On Call Petroleum Storage Tanks Systems Maintenance and Repair Services | CCM | 09/27/22 | NA | 10/20/22 | 95430 | \$50,000.00 | \$50,000.00 |
| 049 | 000 | - | Perform Quarterly Maintenance on Oil Water Separators FY23 | CCM | 09/27/22 | NA | 10/20/22 | 95366 | \$80,240.00 | \$80,240.00 |
| 050 | 000 | - | Conduct FY23 Air Permit Compliance Services | CCM | 10/25/22 | NA | 11/08/22 | 95632 | \$37,594.00 | \$37,594.00 |
| 051 | 000 | - | Conduct Asbestos Abatement in Two Locations | CCM | 11/15/22 | NA | 12/07/22 | 95680 | \$37,237.00 | \$37,237.00 |
| 052 | 000 | - | Provide FY23 Technical Support (including Software Services) and Enhancements of the Asset Compliance Management Program | CCM | 12/20/22 | NA | 02/06/23 | | \$34,995.00 | \$34,995.00 |

Total for Terracon Consultants, Inc. for Agreement No. 201805-CEE4

\$2,206,137.50

Addenda / Amendments Awarded per Agreement - Summary for Committee

Terms of Agreement

| Firm | Agreement Execution Date | Original Duration | | Current Expiration Date |
|-------------------------------|--------------------------------|---|---------------|-------------------------------|
| | | 1st Extension | 2nd Extension | |
| | | Continuing Agreement Consultant - Environmental Engineering | | |
| Terracon Consultants, Inc. | 08/03/18 | Original Dur: | 3 Yrs | 08/03/23 |
| | | 1st Ext Dur: | 1 Yrs | |
| | | 2nd Exr Dur: | 1 Yrs | |



GREATER ORLANDO AVIATION AUTHORITY

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

MEMORANDUM

To: Members of the Procurement Committee

From: Edelis Molina, Sr. Small Business Administrator

Date: March 28, 2023

Re: Request for Recommendation of Approval of an Amendment to Addendum 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants Inc. to provide Additional FY23 Industrial User Discharge Permit at Orlando International Airport.

We have reviewed the qualifications of the subject contract's MWBE/LDB/VBE specifications and determined that Terracon Consultants, Inc. proposes 1% MWBE participation on this amendment.

Our analysis indicates that Terracon Consultants, Inc. is eligible for award of the subject amendment.

MWBE UTILIZATION FORM FOR NON-FEDERALLY FUNDED PROJECTS**PLEASE COMPLETE THIS FORM**

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

Name of Airport: Orlando International Airport

Telephone No: (407) 825-7130

Address: One Jeff Fuqua Boulevard, Orlando, FL 32827

Project Name & Number: Request for Recommendation of Approval of an Amendment to Addendum 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants Inc. to provide Additional FY23 Industrial User Discharge Permit at Orlando International Airport.

1. Construction Information:

Amendment Amount: _____

2. MWBE Goal by Group Representation:

| | | | |
|---------------------------------|----------|----------------------|--------------|
| Asian Pacific American | _____ | Actual Result | _____ |
| Asian Subcontinent American | _____ | Actual Result | _____ |
| Black American | _____ | Actual Result | _____ |
| Caucasian Female American | _____ | Actual Result | _____ |
| 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: _____

3.b. Name and Address of MWBE Subcontractor

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

3.c. *Identity:

Work Item(s): _____

Amount of Subcontract _____

Percent of Prime Contract (%): _____

4. Engineering/Professional Services Information:

Amendment Amount: \$30,556.00

5. MWBE Goal by Group Representation:

| | | | |
|---------------------------------|---------------|----------------------|-----------|
| Asian Pacific American | - | Actual Result | 0% |
| Asian Subcontinent American | - | Actual Result | 0% |
| Black American | 260.00 | Actual Result | 1% |
| Caucasian Female American | - | Actual Result | 0% |
| Hispanic American | - | Actual Result | 0% |
| Native American | - | Actual Result | 0% |
| Other | - | Actual Result | 0% |
| Total MWBE Participation | 260.00 | Actual Result | 1% |

6.b. Engineering / Professional Service Firm Information:

Name: Terracon Consultants, Inc.
Address: 1675 Lee Road
City, State, Zip: Winter Park, FL 32789
Telephone: (407) 740-6110

6.b. Name and Address of MWBE Subconsultant

Name: Southern Research Laboratories, Inc.
Address: 2251 Lynx Lane, Suite 1
City, State, Zip: Orlando, FL 32804
Telephone: (407) 522-7100

6.c. *Identity:

Black American

Work Item(s): Laboratory Analytical Services

Amount of Subcontract \$260.00

Percent of Prime Contract (%): 1%

I certify that the information included on this form and its attachment is correct

Signature: Edelis Molina Date: 03/28/23

for George I. Morning, Vice President of Small Business Development

* 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)



GREATER ORLANDO AVIATION AUTHORITY

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

MEMORANDUM

TO: Members of the Aviation Authority

FROM: Kathleen M. Sharman, Interim Chair, Procurement Committee/Chief Financial Officer

DATE: April 19, 2023

ITEM DESCRIPTION

Recommendation of the Procurement Committee to Approve an Amendment to Addendum No. 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants, Inc. for Additional Fiscal Year (FY) 2023 Industrial User Discharge Permit Services at the Orlando International Airport

BACKGROUND

In 2018, the firms providing Continuing Environmental Engineering Consulting Services were selected through a competitive award process. These services are procured on an as-needed or annual basis. The Aviation Authority's policy and procedure provides that consulting firms may be engaged through continuing services agreements for construction projects with a value of \$4,000,000 or less.

On May 16, 2018, the Aviation Authority Board approved Continuing Environmental Engineering Consulting Services Agreements with the following five firms:

- AECOM Technical Services, Inc.
- MSE Group, LLC (*MWBE*)
- Professional Services Industries, Inc.
- Terracon Consultants, Inc.

These no-cost base agreements established the negotiated hourly rates. The services may include, but are not limited to, environmental consulting services; conducting all phases of environmental contamination assessments for petroleum and hazardous materials; preparing reports and providing pertinent training as required by federal, State of Florida, and local agencies; storage tank management; coordination with regulatory agencies and remedial contractors; emergency response to fuel, petroleum and hazardous materials incidents, including immediate response to limit releases to the environment, performance of initial remedial actions and other related services including coordination with the Aviation Authority, its Consultants, the City and all agencies having jurisdiction over the Orlando International Airport, Orlando Executive Airport, and Other Facilities operated by the Aviation Authority.

The Services may also include, but are not limited to, studies and preparation of reports involving scope definition and validation of projects, analysis of environmental design parameters, budget development, evaluation and documentation of existing conditions; environmental design, bid/procurement and award, permitting, environmental construction administration, technical support and review of documents prepared by others, environmental management support on various Aviation Authority projects and all other environmental engineering and related professional services which may be required where the Aviation Authority elects not to solicit letters of interest by means of public advertisement.

Addenda Nos. 1 through 52, and applicable amendments, to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants, Inc. have been approved. A summary of these approvals is on file with the Recording Secretary.

ISSUES

A fee has been negotiated for an Amendment to Addendum No. 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants, Inc. for the total amount of \$30,556, to provide additional FY 2023 Industrial User Discharge Permit (IUDP) Services at the Orlando International Airport (MCO). These services will provide additional compliance monitoring activities pertaining to the Aviation Authority's IUDP No. CO106TA issued by the City of Orlando and will include the continuation of compliance sampling, analyses and reporting activities at four lift stations at MCO through September 30, 2023.

On March 28, 2023, the Procurement Committee recommended approval of an Amendment to Addendum No. 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants, Inc. for Additional Fiscal Year (FY) 2023 Industrial User Discharge Permit Services at the Orlando International Airport, as outlined in the memorandum.

As this amendment to Addendum No. 47 will result in an aggregate increase to the Aviation Authority's Agreement with Terracon Consultants, Inc. exceeding \$250,000, Aviation Authority Board approval is required.

SMALL BUSINESS

The Aviation Authority has reviewed the proposal from Terracon Consultants, Inc., and determined that, because of the specialized nature of the scope of services to be provided, Terracon Consultants, Inc. proposes 1% Minority and Women Business Enterprise (MWBE) participation for laboratory analytical services. Terracon Consultants, Inc. is in good standing as it relates to its small business participation.

ALTERNATIVES

None.

FISCAL IMPACT

The fiscal impact is \$30,556. Funding is from previously-approved Operations and Maintenance Funds.

RECOMMENDED ACTION

It is respectfully requested that the Aviation Authority Board resolve to accept the recommendation of the Procurement Committee and approve an Amendment to Addendum No. 47 to the Continuing Environmental Engineering Consulting Services Agreement with Terracon Consultants, Inc. for Additional FY 2023 Industrial User Discharge Permit Services at the Orlando International Airport, for the total amount of \$30,556, which includes the not-to-exceed fee amount of \$22,696 and the not-to-exceed expenses amount of \$7,860, with funding from previously-approved Operations and Maintenance Funds; and, authorize an Aviation Authority Officer or the Chief Executive Officer to execute the necessary documents following satisfactory review by legal counsel.