

**ADDENDUM NO. 4
TO THE AGREEMENT DATED MARCH 31, 2023
BETWEEN THE GREATER ORLANDO AVIATION AUTHORITY
AND AECOM TECHNICAL SERVICES, INC.**

Project: W-494 Airside 3 Plumbing Survey and Analysis, Orlando International Airport

THIS ADDENDUM is effective this 24th day of October, 2023, by and between the **GREATER ORLANDO AVIATION AUTHORITY** (“Authority”), and **AECOM TECHNICAL SERVICES, INC.** (“Consultant”).

WITNESSETH:

WHEREAS, by Agreement dated March 31, 2023 Authority and Consultant entered into an agreement for Consultant to provide Continuing Civil 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 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-FIVE THOUSAND FIVE HUNDRED SEVENTY-FOUR AND NO/100 DOLLARS (\$245,574.00)**, broken down as follows:

Professional Fees:	NTE:	\$166,848.00
Professional Fees:	LS:	\$0.00
Reimbursable Expenses:	NTE:	<u>\$78,726.00</u>
Total:		\$245,574.00

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 March 31, 2023 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 Nov 16, 2023 _____.


GREATER ORLANDO AVIATION AUTHORITY

By: 
box SIGN 4W88Q9Z1-4WLQQPZ
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 NOV 13, 2023**


By: box SIGN 188LKS1-4WLQQPZ
**NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority**

AECOM TECHNICAL SERVICES, INC.

By: 
box SIGN 46ZLZ8LJ-4WLQQPZ
Signature (Duly Authorized Rep.)
Andrew Kacer

Printed Name
VP

Title



Orlando Intern
One Jeff Fu
Orlando, Florida, 32827-4392
(407) 825-2001

CCM HANDOUT
10/24/2023
Item IV-L
Revised Memo

Memorandum

To: Members of the Construction Committee

From: Tuan Nguyen, P.E., Assistant Vice President of Engineering

Date: October 24, 2023

Re: Request for Approval of an Addendum to the Continuing Civil Engineering Consulting Services Agreement with AECOM Technical Services, Inc. for W-00494 Airside 3 Plumbing Survey and Analysis, Orlando International Airport

Consultant's proposal, dated October 5, 2023, is to provide plumbing evaluations and survey of the Airside 3 plumbing lines.

If approved, these services would be effective the date of the Committee's Approval.

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 308.631.210.5660003.000.501445 (CIR00485). Funding source verified by Malwin Martinez of Construction Finance on 10 / 20 / 23 as correct and available.

It is respectfully requested that the Construction Committee approves for an Addendum to the Continuing Civil Engineering Consulting Services Agreement with AECOM Technical Services, Inc. for the services contained herein and amount as shown below:

Not to Exceed Fees	\$166,848.00
Lump Sum Fees	\$0.00
Not to Exceed Expenses	\$78,726.00
TOTAL	\$245,574.00
AAC – Compliance Review Date	MPG 10/19/23
AAC – Funding Eligibility Review Date	10/19/23

October 5, 2023

Mr. Tuan Nguyen, PE
Assistant Vice President, Engineering
Greater Orlando Aviation Authority
Orlando International Airport
11314 Terminal C Service Road
Orlando, FL 32824

RE: Fee Proposal GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing - Orlando International Airport

Mr. Nguyen:

AECOM Technical Services, Inc. (AECOM) requests approval from the Authority for this Task to prepare a Condition Assessment of the MCO North Terminal Airside 3 Sewer Plumbing - Orlando International Airport. The plumbing being assessed will include domestic cold, hot, hot water return piping and equipment, sanitary, grease, vent, storm, and condensate piping. The existing piping that will be assessed range in size, but for the most part are small size diameter pipes. The gravity piping (sanitary, grease, and storm) will be inspected via video camera inspection; whereas all other plumbing thru visual inspections.

PROJECT TASKS

The first stage of the project is to review the existing as-built drawings in combination with field investigations to develop the overall scope of the project as well as an inspection and phasing plan that will be coordinated with GOAA and Airside 3 tenants to facilitate the work and minimize any impacts to the airport. Once GOAA has approved the phasing and inspection plan, our team will begin the plumbing assessment. Greenway Property Services (GPS) will perform video inspection on the gravity piping utilizing their own equipment. AECOM will perform a visual inspection on all other internal plumbing where the piping is accessible. GPS is an experienced contractor that has been providing similar assessments and repairs, including for GOAA Airside1 as well as for Disney World for several years.

Once the initial assessment is complete, AECOM will summarize the findings in a report which will include the following information: full inventory of located plumbing; estimated life expectancy of located plumbing; recommended maintenance plan and schedule for repairs; recommended energy efficiency solutions where applicable; recommended implementation plan and schedule of repairs; and video recording of the existing gravity piping. The maintenance plan and priority for schedule of repairs will be coordinated with GOAA. Additionally, as-built plumbing utility plans will be developed using Revit. The scope of work assumes that we can obtain accurate and updated record documents showing the existing infrastructure of Airside 3.

This scope will also include the includes the following tasks:

1. Project Kick off Meeting and associated Minutes.
2. Perform site visits to begin process of confirming location, size and number of lines to be assessed. AECOM will escort GPS at the beginning of their work to familiarize their crews with working in Airside 3.
3. Compare Record Drawings with information gathered from site visits. Existing record drawings are not complete.
4. Develop written coordination plan charting order and location of pipes to be assessed. AECOM will meet with GOAA and Airside 3 tenants to properly, in advance, coordinate the work activities.

5. Gravity lines will be cleaned using a high-pressure water jet. A camera will be inserted to identify integrity of each line and include a locator to determine direction of lines to utilize for development of As-Builts. Videos of each line and a Sewer Assessment Report will be developed.
6. Any repairs needed as a result of this assessment will be performed under a separate agreement.
7. Prepare a 3-Dimension Autodesk Revit Model based on field observations and record documents. The Revit Model will include the architectural floor plan information as well as plumbing information, which will include; pipe locations, pipe sizes, pipe materials, and fixture types, to the greatest extent possible, when they can be determined from field investigations and/or record drawings. AECOM will utilize available GOAA Record AutoCAD Drawings to help develop the Revit Model.

DELIVERABLES

- Project Kick Off Meeting Minutes
- Phasing and Inspection Plan
- Draft Airside 3 Plumbing Assessment Report
- Final Airside 3 Plumbing Assessment Report
- Draft As-built architectural floor plan and plumbing plans and Revit Model
- Final As-built architectural floor plan and plumbing plans and Revit Model

The attached fee was developed without the knowledge of the complete number and location of plumbing lines to be assessed. A separate task will be developed after our site evaluations are complete, if there are more plumbing lines and gravity piping (sanitary, grease, and storm), than can be evaluated under this Task. Any repairs that are found to be an emergency and should require immediate repairs can be completed under a separate agreement.

For this Condition Assessment of the MCO North Terminal Airside 3 Plumbing Project, we propose a contract fee of \$166,848, Not to Exceed Labor Fee and \$78,726, Not to Exceed Reimbursable Expenses for a total contract value of \$245,574. This work will commence as soon as the Authority issues a Notice to Proceed (NTP).

Please do not hesitate to contact me if you have any questions or comments.

Sincerely,

AECOM Technical Services, Inc.



Andrew Kacer, PE
VP

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL

TABLE C-1

**SUMMARY OF TOTAL CONTRACT VALUE
GOAA Condition Assessment of MCO North Terminal
Airside 3 Plumbing**

Phase of Project:	Const. Admin	TOTAL CONTRACT
1.0 Lump Sum Fee:	\$0	\$0
2.0 Not to Exceed Reimbursable Fee:	\$166,848	\$166,848
3.0 Not to Exceed Reimbursable Expenses:	\$78,726	\$78,726
4.0 TOTAL CONTRACT VALUE:	\$245,574	\$245,574

Total Lump Sum Labor Hours:	0	0
Total Not to Exceed Reimbursable Labor Hours:	1,566	1,566
TOTAL LABOR HOURS:	1,566	1,566
Average Hourly Rate:	\$106.54	\$106.54

EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-4
SUMMARY OF NOT TO EXCEED REIMBURSABLE FEES AND EXPENSES
GOAA Condition Assessment of MCO North Terminal Airside 3
Plumbing

Phase of Project:	Assessment		TOTAL		
	labor hours	Total Fee	labor hours	Cost	Avg. Rate
AECOM					
Not to Exceed Reimbursable Fee	666	\$103,668	666	\$103,668	\$155.66
Not to Exceed Reimbursable Expenses		\$0		\$0	
Sub-Total AECOM	666	\$103,668	666	\$103,668	\$155.66
Greenway Property Services, Inc.					
Not to Exceed Reimbursable Fee	900	\$63,180	900	\$63,180	\$70.20
Not to Exceed Reimbursable Expenses		\$78,726		\$78,726	
Sub-Total GPS	900	\$141,906	900	\$141,906	\$70.20
SubConsultant No. 2					
Not to Exceed Reimbursable Fee					
Not to Exceed Reimbursable Expenses					
Sub-Total	0	\$0	0	\$0	\$0.00
SubConsultant No. 3					
Not to Exceed Reimbursable Fee	0	\$0	0	\$0	\$0.00
Not to Exceed Reimbursable Expenses				\$0	
Sub-Total	0	\$0	0	\$0	\$0.00
SubConsultant No. 4					
Not to Exceed Reimbursable Fee	0	\$0	0	\$0	\$0.00
Not to Exceed Reimbursable Expenses				\$0	
Sub-Total SubConsultant No. 4	0	\$0	0	\$0	\$0.00
SubConsultant No. 5					
Not to Exceed Reimbursable Fee	0	\$0	0	\$0	\$0.00
Not to Exceed Reimbursable Expenses				\$0	
Sub-Total SubConsultant No. 5	0	\$0	0	\$0	\$0.00
Total Not to Exceed Amount:	1,566	\$245,574	1,566	\$245,574	\$106.54

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

GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing

Position:	QA/QC REVIEWER		SENIOR PROJECT MANAGER		PROJECT MANAGER		SENIOR ENGINEER		PROJECT ENGINEER		ENGINEER		PROJECT MANAGEMENT ASSISTANT		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	Avg. Hourly Rate
AECOM																	
Assessment																	
AECOM Team Meeting		\$0	2	\$476	4	\$616	4	\$760		\$0		\$0	2	\$184	12	\$2,036	\$170
Project Kick Off Meeting and Meeting Minutes		\$0	2	\$476	4	\$616	2	\$380		\$0		\$0	2	\$184	10	\$1,656	\$166
Site Visits to Determine Lines to be Assessed		\$0	8	\$1,904	12	\$1,848	12	\$2,280		\$0		\$0		\$0	32	\$6,032	\$189
Review Record Drawings		\$0	4	\$952	12	\$1,848	12	\$2,280		\$0		\$0		\$0	28	\$5,080	\$181
Coordinate with GOAA and Stakeholders		\$0	2	\$476	12	\$1,848		\$0		\$0		\$0	2	\$184	16	\$2,508	\$157
Review Pipe Inspection Video and Perform On-Site Visual Inspections		\$0	4	\$952	12	\$1,848	40	\$7,600	80	\$12,000		\$0	2	\$184	138	\$22,584	\$164
SUBTOTAL ASSESSMENT	0	\$0	22	\$5,236	56	\$8,624	70	\$13,300	80	\$12,000	0	\$0	8	\$736	236	\$39,896	\$169
Draft/Final Plans and Report																	
Develop Sewer Assessment Report	12	\$2,208	4	\$952	8	\$1,232	20	\$3,800	50	\$7,500		\$0	8	\$736	102	\$16,428	\$161
Prepare Recommended Schedule for Repairs with Approximate Construction Costs	12	\$2,208	4	\$952	8	\$1,232	20	\$3,800	50	\$7,500		\$0		\$0	94	\$15,692	\$167
Preparation of As-built Plans and Revit Model	40	\$7,360	4	\$952	20	\$3,080	10	\$1,900	40	\$6,000	120	\$12,360		\$0	234	\$31,652	\$135
SUBTOTAL DRAF/FINAL PLANS AND REPORT	64	\$11,776	12	\$2,856	36	\$5,544	50	\$9,500	140	\$21,000	120	\$12,360	8	\$736	430	\$63,772	\$148
TOTAL NTE FEE:	64	\$11,776	34	\$8,092	92	\$14,168	120	\$22,800	220	\$33,000	120	\$12,360	16	\$1,472	666	\$103,668	\$156

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

GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing

Position:	Lead Technician		Technician		TOTAL		
	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Greenway Property Services, Inc.							
Rate (\$/Hour):		\$85		\$55			
Plumbing services per Airside 3							
Phasing and Inspection Plan Meetings and Preparation	10	\$850	12	\$660	22	\$1,510	\$69
Review existing As-Builts	6	\$510	2	\$110	8	\$620	\$78
Clean existing gravity lines using high pressure water jetter. Report any line failures (4 total technicians)	424	\$36,040	424	\$23,320	848	\$59,360	\$70
Field locate gravity lines using camera and locate equipment, will provide as-built sketches of existing conditions		\$0	0	\$0	0	\$0	\$0
Preparation and Cataloging of video inspections	10	\$850	4	\$220	14	\$1,070	\$76
Prepare assessment for all gravity piping and cost estimate for necessary repairs	6	\$510	2	\$110	8	\$620	\$78
NTE Plumbing Services - Subtotal	456	\$38,760	444	\$24,420	900	\$63,180	\$70.20

**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES**

GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing

REIMBURSABLE EXPENSES

A complete breakdown of estimated reimbursable expenses, if any, which will be compensated on a not to exceed reimbursable basis, shall be included in this section. The Consultant may use any format for this breakdown, provided that it clearly defines the basis for the not to exceed amount. A breakdown of each subconsultant's expenses is also required.

Greenway Property Services, Inc.

Equipment

Jetter + Camera + Locator	\$264 / hour	
Clean all lines using high pressure water jetter (Restaurants, Restrooms, Storm and manholes).	259	\$68,376.00

Vactor Truck

3 Trips estimated (1 per wing)	\$3,450 / trip 3 trips	\$10,350.00
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Total		\$78,726.00
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**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-7a, C-7b and C-7c
PARTICIPATION SCHEDULES**

GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing

TABLE C-7a DBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
TOTAL PROPOSED PARTICIPATION			\$0.00	

TABLE C-7b MWBE PARTICIPATION SCHEDULE

NAME OF SUBCONSULTANT	ADDRESS	MWBE CLASSIFICATION	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
TOTAL PROPOSED PARTICIPATION				\$0.00	

TABLE C-7c LDB PARTICIPATION SCHEDULE

NAME OF FIRM	ADDRESS	PROPOSED SCOPE OF SERVICES	FEE	PROPOSED PARTICIPATION
TOTAL PROPOSED PARTICIPATION			\$0.00	0.0%

**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-9
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE FEES**

**GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing
Table C-9**

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
AECOM	QA/QC	\$184.00
AECOM	Senior Project Manager	\$238.00
AECOM	Project Manager	\$154.00
AECOM	Senior Engineer	\$190.00
AECOM	Project Engineer	\$150.00
AECOM	Engineer	\$103.00
AECOM	Project Manager Assistant	\$92.00

FIRM	POSITION	CONTRACT HOURLY RATE
Greenway	Lead Technician	\$85.00
Greenway	Technician	\$55.00



**Plumbing Assessment Scope of Services
at
Orlando International Airport**

This Scope of Services describes the Plumbing Assessment for the overall project that GPS (Greenway Property Services) will perform. Our work will be performed during the least intrusive times for the airport's travelers and guests. The Plumbing Assessment services that we intend to provide are as follows:

1. Prepare for and attend any pre-assessment conferences;
2. Review existing drawings with the understanding they may not be complete and with the knowledge this project's purpose is to develop as-bults.
3. Field locate sewer lines for airside 3.
4. Locations of plumbing lines will be determined by cleaning existing lines using a high-pressure water jet and inserting a camera to identify integrity of each line. Finally, using a locator to determine direction of lines so we can provide a rough sketch.
5. Prepare assessment of plumbing lines with quotes for necessary repairs.
6. Any additional work or repairs needed as a result of this assessment will be performed and invoiced separately from this agreement. Prior approval will be obtained for any work to be performed.

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

GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing

Position:	Lead Technician		Technician		TOTAL		
	labor hours	Cost	labor hours	Cost	labor hours	Cost	Avg. Hourly Rate
Rate (\$/Hour):	\$85		\$55				
Greenway Property Services, Inc.	labor hours	Cost	labor hours	Cost	labor hours	Cost	Rate
Plumbing services per Airside 3							
Phasing and Inspection Plan Meetings and Preparation	10	\$850	12	\$660	22	\$1,510	\$69
Review existing As-Builts	6	\$510	2	\$110	8	\$620	\$78
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Field locate gravity lines using camera and locate equipment, will provide as-built sketches of existing conditions		\$0	0	\$0	0	\$0	\$0
Preparation and Cataloging of video inspections	10	\$850	4	\$220	14	\$1,070	\$76
Prepare assessment for all gravity piping and cost estimate for necessary repairs	6	\$510	2	\$110	8	\$620	\$78
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**EXHIBIT A - CONSULTANT'S COMPENSATION PROPOSAL
TABLE C-6
BREAKDOWN OF NOT TO EXCEED REIMBURSABLE EXPENSES**

GOAA Condition Assessment of MCO North Terminal Airside 3 Plumbing

REIMBURSABLE EXPENSES

A complete breakdown of estimated reimbursable expenses, if any, which will be compensated on a not to exceed reimbursable basis, shall be included in this section. The Consultant may use any format for this breakdown, provided that it clearly defines the basis for the not to exceed amount. A breakdown of each subconsultant's expenses is also required.

Greenway Property Services, Inc.

<u>Equipment</u>		
Jetter + Camera + Locator	\$264 / hour	
Clean all lines using high pressure water jetter (Restaurants, Restrooms, Storm and manholes).	259	\$68,376.00
<u>Vector Truck</u>		
3 Trips estimated (1 per wing)	\$3,450 / trip 3 trips	\$10,350.00
	Total	\$78,726.00

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: AECOM

By: *Andrew Kacer*

Print Name: Andrew Kacer

Date: 10-05-2023