

**AMENDMENT 7 to ADDENDUM NO. 3
TO THE AGREEMENT DATED JANUARY 4, 2021
BETWEEN THE GREATER ORLANDO AVIATION AUTHORITY
AND LEA & ELLIOTT, INC.**

Project: Additional Construction Phase Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming for W-00420 Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services, Orlando International Airport

THIS AMENDMENT is effective this 18th day of October, 2023, by and between the **GREATER ORLANDO AVIATION AUTHORITY** ("Authority"), and **LEA & ELLIOTT, INC.** ("Consultant").

WITNESSETH:

WHEREAS, by Agreement dated January 4, 2021, Authority and Consultant entered into an agreement for Consultant to provide Specialty Automated People Mover (APM) and Passenger Rail Systems 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 **ELEVEN MILLION NINE HUNDRED EIGHTEEN THOUSAND THREE HUNDRED FIFTY-SIX AND NO/100 DOLLARS (\$11,918,356.00)**, broken down as follows:

Professional Fees:	NTE:	\$11,571,219.00
Professional Fees:	LS:	\$0.00
Reimbursable Expenses:	NTE:	<u>\$347,137.00</u>

Total: **\$11,918,356.00**

3. Except as expressly modified in this Amendment, the Agreement dated January 4, 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 day of Oct 26, 2023.

GREATER ORLANDO AVIATION AUTHORITY

By:

Kevin J. Thibault

box SIGN 1V3Q39J4-130X79WZ
Kevin J. Thibault, P.E.
Chief Executive Officer

Approved as to Form and Legality
(for the benefit of GOAA only)
on this date Oct 24, 2023

Karen Ryan

By: box SIGN 118BLK51-130X79WZ
NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority

LEA & ELLIOTT, INC.

By:

Jack Norton

box SIGN 182P9PPL-130X79WZ
Signature (Duly Authorized Rep.)

Jack Norton

Printed Name

President/CEO

Title



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

Memorandum

To: Members of the Construction Committee

From: Scott Shedek, Vice President, Construction
(Prepared by Nils Johnson)

Date: October 10, 2023

Re: Request for Recommendation of Approval of an Amendment to Addendum No.3 to the Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services Agreement with Lea + Elliot, Inc. to provide Construction Phase Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming for W-00420 Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services at Orlando International Airport

On January 19, 2022, the Aviation Authority Board Approved Addendum No.3 in the amount of \$388,638.00 to the above-referenced agreement. On May 31, 2022, the Construction Committee approved Amendment No.1 to Addendum No.3 in the amount of \$147,674.00 to the above-referenced agreement. On July 5, 2022, the Construction Committee approved Amendment No.2 to Addendum No.3 in the amount of \$188,456.00. On December 14, 2022, the Aviation Authority Board Approved Amendment No.3 to Addendum No.3 in the amount of \$454,652.00. On May 17, 2023, the Aviation Authority Board Approved Amendment 4 to Addendum No.3 in the amount of \$496,640.00.

Project BP-477 – APM Operating System (OS) Replacement for Airside 2 & Airside 4, is anticipating a GOAA Board approval date of October 18, 2023, which will start the construction phase of the multi-year project. The Design Criteria Consultant's proposal, dated September 30, 2023, is to provide Design Criteria and Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services for the Airside 2 and 4 APM System replacement project through December 31, 2027, as further described within the proposal.

If approved, these services would be effective on the date of GOAA Board approval.

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

Funding is from Line of Credit (LOC) to be reimbursed by Future General Airport Revenue Bonds and Passenger Facility Charges to the extent eligible. Funding source verified by Melvin Martinez of Construction Finance on 10 / 6 / 23 as correct and available.

It is respectfully requested that the Construction Committee recommend to the Aviation Authority Board approval of an Amendment to Addendum No.3 to the **Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services Agreement** with Lea + Elliott, Inc. for the services contained herein and amount as shown below:

Not to Exceed Fees	\$11,571,219.00
Lump Sum Fees	\$0.00
Not to Exceed Expenses	\$347,137.00
TOTAL	\$11,918,356.00
AAC – Compliance Review Date	<i>EW</i> 10/4/2023
AAC – Funding Eligibility Review Date	10/4/2023

SUBJECT TO CFOC AND BOARD APPROVAL

September 30, 2023

LE-GOAA-NCP-1344-0023

Mr. Scott Shedek
Vice President of Construction
Greater Orlando Aviation Authority
One Jeff Fuqua Blvd.
Orlando, FL 32827

SUBJECT: Lea+Elliott Proposal for Task 3 – Implementation Phase Services
For BP-477 Automated People Mover (APM) Operating System (OS) for Airside 2
and Airside 4, W420 - Specialty Automated People Mover (APM) and Passenger
Rail Systems Consulting Services

Dear Mr. Shedek,

Lea+Elliott is pleased to provide you with our fee proposal to provide Specialty APM Consultant Services under Contract# W420 related to completion of our Task 3, Implementation Phase Services for the BP-477 APM Operating System for Airside 2 and Airside 4 Project at Orlando International Airport. The Task 3 scope of services is defined in the Proposed Scope of Work for APM Consultant Services document attached.

Also attached is our fee proposal which includes an Executive Summary providing a high-level summary of the proposed Task 3 work effort, summary of the overall work effort spreadsheet and supporting backup documentation detailing the proposed work effort. Please note that our fee proposal includes anticipated direct expenses related to travel to the manufacturer's headquarters or other manufacturing facilities. This allowance covers such direct expenses in an amount of approximately 3% of the total proposed fee.

We are pleased that we are able to provide value-added service through our subconsultants to establish an overall DBE participation of approximately 13% for the Airside 2 & 4 APM Replacement project.

We appreciate the opportunity to be of service to GOAA on these very important Tasks and look forward to continued success in working together with you. Should you have any questions or comments please contact me.

Sincerely,

LEA+ELLIOTT, INC.



Gregory W. Love
Senior Associate

EXECUTIVE SUMMARY 2

1. Project Management Activities..... 3

2. Technical Work Activities..... 3

3. Technical Support..... 4

EXECUTIVE SUMMARY

The Implementation phase of the Airside 2 and 4 APM replacement project will include the design, manufacture, installation, integration, testing and commissioning, and safety certification of the APM Operating System equipment which includes:

- vehicles/trains.
- guidance equipment.
- guideway running surface.
- communications equipment.
- command and control equipment.
- station equipment that will include replacement of the station door system.
- a power distribution system.
- supporting equipment for maintenance facility operations.
- public information and CCTV systems.

Presented herein is Lea+Elliott's proposed Scope of Work for the Specialty APM and Passenger Rail Systems Consulting Services to support GOAA during the Implementation phase of the Airside 2 & 4 APM System replacement at OIA.

At a global level, Lea+Elliott has estimated the need for approximately six (6) full-time equivalents (FTE), on average, for the duration of both the Airside 2 and 4 APM System Replacement. The Lea+Elliott scope is focused on the technical aspects of the Operating System elements. Note that the scope of services covers the implementation of multiple APM Systems – Airside 2 and 4 (2 Systems) to be implemented while maintaining service to the Airsides.

Although specific staffing assignment breakdowns are provided on a task-by-task basis below, at a global level the staffing needs are summarized in the various sections herein.

1. PROJECT MANAGEMENT ACTIVITIES

Lea+Elliott will have one (1) FTE (G. Love) with additional support as needed (D. McFadden & G. Murillo) to perform the following project management activities:

- a. Interface/Manage Contractor technical activities.
- b. Interface with GOAA and OAR staff in field and project offices as pertaining to the technical aspects of the Work.

As part of the Project Management activities, it is expected that a work plan will be developed jointly with GOAA and the OAR so that dedicated OAR staff in the field can coordinate with Lea+Elliott's staff as the OAR oversees/manages the infrastructure design/construction activities. The focus of the coordination is to verify that the Operating System requirements are properly coordinated and incorporated into the facilities.

Note that the Lea+Elliott Project Management activities cover the oversight management of the technical aspects of the APM Contractor's Work in compliance with the Contract as well as support GOAA in their Program/Contract controls process as related to work progress, evaluate/address and manage the Contractor's overall Work activities (i.e. program contract administrative matters, etc.). The Project Management staff will also be responsible for the overall execution of the Lea+Elliott activities, especially technical work distribution noted in Section 2 below.

2. TECHNICAL WORK ACTIVITIES

Four General Disciplines (mix of personnel with varying levels of experience) – based on various subsystem disciplines (i.e. (a) Vehicle/Rolling Stock; (b) Train Control/Communications; (c) Power Distribution System; and (d) Interfaces, Safety Audits, etc.). The work activities will initiate with reviews of the Design CDRLs (Contractor design submittals – that occur at Preliminary, In-Progress and Final Design level) and Project Management related CDRLs (Schedule of Values, Project Schedules, Management Organization, Quality Control & Assurance, etc.). Technical work activities continue with reviews of CDRLs related to Subsystem Factory Acceptance Testing Procedures and protocols followed by Manufacturing audits and Factory Test witnessing. Finishing with reviews of CDRL submittals related to Site installation and On-site System Acceptance Testing (including On-Site test witnessing), Maintenance Manuals, Operations Manuals, As-Built drawings, etc. Note that the CDRL review work activities will be performed primarily in the Lea+Elliott home office with visits to the Site and Plant(s) to support manufacturing oversight, factory testing, system installation and testing activities as further noted in the specific tasks below.

- a. One (1) FTE dedicated to Vehicle/Rolling Stock.
- b. One (1) FTE dedicated to Train Control/Communication.
- c. One (1) FTE dedicated to Power Distribution Subsystem.
- d. One (1) FTE to address technical interfaces, Safety Audits, support In-Plant audits, Operations and Maintenance Plans and Procedures.

This technical staff will be managed by the Project Management staff noted in Item 1 above; this includes technical as well as compliance with contract requirements.

3. TECHNICAL SUPPORT

Lea+Elliott will require one (1) FTE for Technical and other related support, including engineering support, technical documentation, document control, contract administration, and other general support to the project manager and professional staff.

The work/staffing plan (and fee estimate) is based on project delivery by the Contractor, in compliance with the Contract. Note that additional efforts will be necessary to address work due to Contractor deviations from the Contract technical requirements (since the Contractor's performance cannot be controlled by Lea+Elliott) and if the Project duration is extended. Lea+Elliott prepared the proposal based on the expected work effort and project support while considering the APM Contractor's proposed schedule. Attached are the following documents containing details of the estimated work effort.

1. Attachment A – Summary of Work Effort.

The OAR will provide appropriate field staff dedicated to the APM Infrastructure elements to assist Lea+Elliott by providing on-site observation and coordination services between the Operating System elements, the Infrastructure, the APM Contractor and the Lea+Elliott staff. Lea+Elliott will provide a full-time presence on-site prior to equipment delivery and continuing through System Demonstration and Substantial Completion; on-site presence anticipates engaging our DBE team members to support the oversight of the on-site activities. The Lea+Elliott staff member will coordinate with Lea+Elliott home-office staff and the OAR dedicated staff to audit the site progress and to participate in appropriate meetings. During other times, Lea+Elliott staff in the home offices, who are performing the technical work will respond to observations/reports from the site staff and provide them with appropriate direction in the furtherance of their work activities.

Note that the proposed professional services fees do not include any direct costs including costs for trips to APM Contractor's Headquarters and other manufacturing facilities. We recommend that GOAA establish a separate allowance account to cover these costs in an amount of approximately 3% of the total professional services fees.

To minimize the professional services fees proposed by Lea+Elliott, a strong team approach that uses both Lea+Elliott and OAR resources to monitor the Contractor's work has been proposed. The proposed approach provides necessary flexibility and uses the relative strengths of both Lea+Elliott and OAR to maximize value and deliver the two (2) APM Systems (Airside 2 and Airside 4 APM Systems) that meet GOAA's expectations as per the Contract.

Attachment A - Summary of Work Effort for Airside 2 and 4 APM Systems

BP-477, APM OPERATING SYSTEM (OS) REPLACEMENT FOR AIRSIDE 2 & AIRSIDE 4
W420 - Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services
Summary: Years 2023 - 2027

		2023				2024				2025				2026				2027			
		Current Rates	Travel Premium Rates	Airside 2 & 4 APM		Current Rates	Travel Premium Rates	Airside 2 & 4 APM		Current Rates	Travel Premium Rates	Airside 2 & 4 APM		Current Rates	Travel Premium Rates	Airside 2 & 4 APM		Current Rates	Travel Premium Rates	Airside 2 & 4 APM	
				Hrs	Dollars (\$)			Hrs	Dollars (\$)			Hrs	Dollars (\$)			Hrs	Dollars (\$)			Hrs	Dollars (\$)
Sr. Project Manager (PM)	D. McFadden	\$321.00		40	\$ 12,840.00	\$337.05		272	\$ 91,677.60	\$353.90		272	\$ 96,261.48	\$371.60		272	\$ 101,074.55	\$390.18		116	\$ 45,260.59
		\$357.00		192	\$ 68,544.00	\$373.05		768	\$ 286,502.40	\$389.90		768	\$ 299,445.12	\$407.60		768	\$ 313,034.98	\$426.18		448	\$ 190,927.52
Sr. Consultant / Project Manager	G. Love	\$277.00		464	\$ 128,528.00	\$290.85		2,080	\$ 604,968.00	\$305.39		2,080	\$ 635,216.40	\$320.66		2,080	\$ 666,977.22	\$336.70		1,128	\$ 379,792.22
		\$277.00		88	\$ 24,376.00	\$290.85		296	\$ 86,091.60	\$305.39		16	\$ 4,886.28	\$320.66		16	\$ 5,130.59	\$336.70		264	\$ 88,887.54
Sr. Consultant	K. Mokhtech	\$277.00		88	\$ 24,376.00	\$290.85		296	\$ 86,091.60	\$305.39		16	\$ 4,886.28	\$320.66		16	\$ 5,130.59	\$336.70		264	\$ 88,887.54
		\$313.00			\$ -	\$326.85		120	\$ 39,222.00	\$341.39		24	\$ 8,193.42	\$356.66		64	\$ 22,826.38	\$372.70		120	\$ 44,723.43
	G. Murrillo	\$277.00		88	\$ 24,376.00	\$290.85		296	\$ 86,091.60	\$305.39		16	\$ 4,886.28	\$320.66		16	\$ 5,130.59	\$336.70		264	\$ 88,887.54
		\$313.00			\$ -	\$326.85		120	\$ 39,222.00	\$341.39		24	\$ 8,193.42	\$356.66		64	\$ 22,826.38	\$372.70		120	\$ 44,723.43
	R. Gilbert	\$277.00		88	\$ 24,376.00	\$290.85		296	\$ 86,091.60	\$305.39		16	\$ 4,886.28	\$320.66		16	\$ 5,130.59	\$336.70		264	\$ 88,887.54
		\$313.00			\$ -	\$326.85		120	\$ 39,222.00	\$341.39		24	\$ 8,193.42	\$356.66		64	\$ 22,826.38	\$372.70		120	\$ 44,723.43
	D. Hinish	\$277.00		88	\$ 24,376.00	\$290.85		296	\$ 86,091.60	\$305.39		16	\$ 4,886.28	\$320.66		16	\$ 5,130.59	\$336.70		264	\$ 88,887.54
		\$313.00			\$ -	\$326.85		120	\$ 39,222.00	\$341.39		24	\$ 8,193.42	\$356.66		64	\$ 22,826.38	\$372.70		120	\$ 44,723.43
Engineer 3	L+E	\$218.00		0	\$ -	\$228.90		0	\$ -	\$240.35		0	\$ -	\$252.36		0	\$ -	\$264.98		0	\$ -
		\$254.00			\$ -	\$264.90		2,080	\$ 550,992.00	\$276.35		2,496	\$ 689,757.12	\$288.36		2,504	\$ 722,059.07	\$300.98		616	\$ 185,403.90
Engineer 2	A. Robbins	\$160.00		0	\$ -	\$168.00		0	\$ -	\$176.40		0	\$ -	\$185.22		0	\$ -	\$194.48		0	\$ -
		\$196.00			\$ -	\$204.00		0	\$ -	\$212.40		2,496	\$ 530,150.40	\$221.22		2,504	\$ 553,934.88	\$230.48		616	\$ 141,976.30
	E. Cuadra	\$160.00		0	\$ -	\$168.00		0	\$ -	\$176.40		0	\$ -	\$185.22		0	\$ -	\$194.48		0	\$ -
		\$196.00			\$ -	\$204.00		0	\$ -	\$212.40		2,496	\$ 530,150.40	\$221.22		2,504	\$ 553,934.88	\$230.48		616	\$ 141,976.30
Engineer / CAD	L+E	\$123.00		0	\$ -	\$129.15		0	\$ -	\$135.61		0	\$ -	\$142.39		0	\$ -	\$149.51		0	\$ -
Senior Administrative Asst	A. Sakaue	\$83.00		30	\$ 2,490.00	\$87.15		120	\$ 10,458.00	\$91.51		120	\$ 10,980.90	\$96.08		120	\$ 11,529.95	\$100.89		70	\$ 7,062.09
	A. Corujo	\$83.00		120	\$ 9,960.00	\$87.15		480	\$ 41,832.00	\$91.51		480	\$ 43,923.60	\$96.08		480	\$ 46,119.78	\$100.89		280	\$ 28,248.37
Subconsultants																					
PSA (Sr. Estimator)	M. Modi	\$192.00		32	\$ 6,144.00	\$192.00		168	\$ 32,256.00	\$192.00		0	\$ -	\$192.00		0	\$ -	\$192.00		0	\$ -
PSA (Sr. Scheduler)	J. Kilpatrick	\$192.00		64	\$ 12,288.00	\$192.00		272	\$ 52,224.00	\$192.00		0	\$ -	\$192.00		0	\$ -	\$192.00		0	\$ -
PSA (Sr. QA/QC Manager)	J. Vasquez	\$155.00		0	\$ -	\$155.00		0	\$ -	\$155.00		2,496	\$ 386,880.00	\$155.00		2,504	\$ 388,120.00	\$155.00		608	\$ 94,240.00
PSA (Administrative Assistant)	S. Green	\$74.00		328	\$ 24,272.00	\$74.00		2,080	\$ 153,920.00	\$74.00		2,072	\$ 153,328.00	\$74.00		2,072	\$ 153,328.00	\$74.00		1,120	\$ 82,880.00
Sub-Totals				1,622	\$362,570.00			9,984	\$2,326,084.40			15,936	\$3,428,412.22			16,128	\$3,621,941.19			7,154	\$1,832,211.16

Airside 2 & 4 Subtotal	\$11,571,219
Direct Expenses ¹	\$347,137
Airside 2 & 4 Total	\$11,918,356

Note:

1. Direct expenses related to travel to the manufacturer's headquarters or other manufacturing facilities. This allowance covers such direct expenses in an amount of approximately 3% of the total proposed fee.
2. For budgetary purposes, travel to the site to support this project will be necessary. The GOAA approved Travel Premium rate of (\$36.00) is used to develop this budgetary numbers.
3. For budgetary purposes, a rate increase of 5% is assumed starting in FY2024 through FY2027. Note that there is no escalation included for FY 2023. All rate increases must be approved by GOAA.
4. Assumes this effort starts on October 18, 2023.
5. Assumes 24-hours, 6-days a week operation to oversee APM Contractor's work during Construction.
6. Consultants rates shown may be higher than rates shown within the individual proposals due to rounding.



October 2, 2023

Gregory W. Love
Senior Associate
Lea + Elliot, Inc.
5200 Blue Lagoon Drive
Suite 250
Miami, Florida 33126

VIA E-Mail: gwlove@leaelliott.com

RE: Services for BP-477 Airside 2 and Airside 4 APM Replacement

Dear Mr. Love,

PSA Management, Inc. is pleased to provide this proposal to provide support to your team for the Implementation Phase of BP-477 Airside 2 and Airside 2 APM Replacement project, at Orlando International Airport. Our role will be to provide Cost Estimating, Scheduling, QA/ QC Inspection Services, and Administrative Services.

Employee Name	Title	Billable Rate / Hour	Hours	Total
Mahendra Modi	Senior Estimator	\$192.00	200	\$38,400.00
Jack Kilpatrick	Senior Scheduler	\$192.00	336	\$64,512.00
Juan Vasquez	Senior QA/QC Manager	\$155.00	5,608	\$869,240.00
Sandra Green	Administrative Assistant	\$74.00	7,672	\$567,728.00
TOTAL			13,816	\$1,539,880.00

*Note 3% Annual COLA Adjustment not included in above total, that will be calculated yearly at the start of each Fiscal Year.

We want to thank you and your organization for giving us this opportunity to work together.
Please reach out to me should you have any questions.

Sincerely,

Patrick Aliu, CSI, CGC, CCI, CCPM, CRA, PMI, BDIA
President & CEO

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: Lea+Elliott, Inc.

By: Gregory W. Love

Print Name: Gregory W. Love

Date: 9/30/2023



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: October 10, 2023

Re: Request for Recommendation of Approval of an Amendment to Addendum No.3 to the Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services Agreement with Lea + Elliot, Inc. to provide Construction Phase Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming for W-00420 Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services at Orlando International Airport

The Small Business Development Department has reviewed the proposal from Lea + Elliot, Inc. and determined that Lea + Elliot, Inc. proposes 13% MWBE participation on this 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 No.3 to the Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services Agreement with Lea + Elliot, Inc. to provide Construction Phase Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming for W-00420 Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services 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: \$11,918,356.00

5. MWBE Goal by Group Representation:

Asian Pacific American	-	Actual Result	0%
Asian Subcontinent American	-	Actual Result	0%
Black American	1,539,880.00	Actual Result	13%
Caucasian Female American	-	Actual Result	0%
Hispanic American	_____	Actual Result	0%
Native American	_____	Actual Result	0%
Other	_____	Actual Result	0%
Total MWBE Participation	1,539,880.00	Actual Result	13%

6.b. Engineering / Professional Service Firm Information:

Name: Lea + Elliott, Inc.

Address: 5200 Blue Lagoon Drive, Suite 250

City, State, Zip: Miami, FL 33126

Telephone: (305) 500-9390

6.b. Name and Address of MWBE Subconsultant

Name: PSA Constructors, Inc., DBA PSA Management, Inc.

Address: 800 N. Magnolia Ave Ste. 1850

City, State, Zip: Orlando, FL 32803

Telephone: 407-898-9119

6.c. *Identity:

Black American

Work Item(s): Staff support services

Amount of Subcontract \$1,539,880.00

Percent of Prime Contract (%): 13%

* 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: Max E. Marble, Chair, Construction Committee

DATE: October 18, 2023

ITEM DESCRIPTION

Recommendation of the Construction Committee to Approve an Amendment to Addendum No. 3 to the Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services Agreement with Lea + Elliott, Inc. for Construction Phase Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement Program at the Orlando International Airport (MCO)

BACKGROUND

On December 9, 2020, the Aviation Authority Board approved the Specialty APM and Passenger Rail Systems Consulting Services Agreement with Lea + Elliott, Inc. at MCO, following a competitive award process in compliance with state statutes and Aviation Authority policies. The agreement is structured as a no-cost base agreement with negotiated hourly rates. Services that are within the advertised scope are negotiated on an as-needed or annual basis, and awarded as addenda to the base agreement. The terms of the agreement shall be for a period of three years with optional renewal periods of two additional one-year terms, to be exercised at the discretion of the Aviation Authority and accepted by both parties.

The agreement provides specific expertise and experience with both APM and passenger rail (i.e., light rail, commuter rail and intercity rail systems) systems and associated infrastructure, including guideway and rail systems, stations, signal, command and control systems, utility systems, maintenance facilities and other infrastructure requirements. The Services will include, but are not limited to, planning, concept development and feasibility studies for new or modernization/ expansion of existing systems; assessment of differing/alternative technologies; cost estimating; preparation of preliminary and final design documents; development of project schedules and budgets; computer modeling and simulation of systems and stations, including platform flows and passenger demand; development of interface criteria and coordination for related facilities; preparation of performance specifications; preparation and/or review of technical documents including design drawings and documents, software documentation, operating and maintenance manuals and test reports; development of procurement methodologies and contract documents, including soliciting and evaluating systems suppliers' qualifications, technical and cost proposals, proposals for operations and maintenance; contract negotiation; design oversight and technical review, technical monitoring and test oversight during system construction and implementation; supervision/analysis of system verification and acceptance tests; post- operational assessments of system performance in terms of safety, security, and reliability, maintainability and availability; administration of and compliance with the Florida Department of Transportation (FDOT) System Safety Program Plan (SSPP); assistance with evaluation of operations, maintenance, and life cycle cost issues and development of solutions to resolve these issues; and all other related tasks including the extension or integration of APM and/or passenger rail systems into new and existing facilities and properties, including non-contiguous properties operated by the Aviation Authority, and the coordination of APM and/or passenger rail systems with other modes of ground transportation.

The services may also include, but are not limited to, civil, structural, mechanical and electrical engineering design; utilities and infrastructure design; surveying; geotechnical; evaluation and documentation of existing conditions; verification of as-built conditions including field verification of all existing above and underground utilities; cost estimating and scheduling; technical studies; preliminary and final design; permitting; bidding and award; construction administration and resident engineering; and all other related services.

On January 19, 2022, the Aviation Authority Board approved Addendum No. 3 to the Specialty APM and Passenger Rail Systems Consulting Services Agreement with Lea + Elliott, Inc. for Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement at the Orlando International Airport, for the total amount of \$388,638. Amendments to this addendum have been approved as follows:

Amendment No.	Approval Date	Amount
1	May 31, 2022	\$147,674
2	July 5, 2022	\$188,456
3	December 14, 2022	\$454,652
4	May 17, 2023	\$496,640
5	October 3, 2023	No Cost Time Extension

ISSUES

A fee has been negotiated with Lea + Elliott, Inc. for a total amount of \$11, 918,356 for Construction Phase Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement Program at the Orlando International Airport. The implementation phase of the improvement of the existing APM trams that serve Airsides 2 and 4 will include the design, manufacture, installation, integration, testing and commissioning, and safety certification of the Operating System and modification of related Fixed Facilities. The equipment will include the vehicles/trains; guidance equipment; guideway running surface; communications equipment; command and control equipment; station equipment that will include replacement of the station door system; power distribution system; supporting equipment for maintenance facility operations; and, public information and CCTV systems. Completion of this improvement program is anticipated in 2027. Services will be provided through December 31, 2027.

On October 10, 2023, the Construction Committee recommended approval of an Amendment to Addendum No. 3 to the Specialty APM and Passenger Rail Systems Consulting Services Agreement with Lea + Elliott, Inc. for Construction Phase Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement Program at the Orlando International Airport, as outlined in the memorandum.

SMALL BUSINESS

The Aviation Authority has reviewed the proposal from Lea + Elliott, Inc., and determined that Lea + Elliott, Inc. proposes 13% Minority and Women Business Enterprise (MWBE) participation, and certifies that Lea + Elliott, Inc. is in good standing as it relates to its small business participation.

ALTERNATIVES

None.

FISCAL IMPACT

The fiscal impact is \$11,918,356. Funding is from Passenger Facility Charges to the extent eligible and General Airport Revenue Bonds

RECOMMENDED ACTION

It is respectfully requested that the Aviation Authority Board resolve to accept the recommendation of the Construction Committee and approve an Amendment to Addendum No. 3 to the Specialty APM and Passenger Rail Systems Consulting Services Agreement with Lea + Elliott, Inc. for Construction Phase Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement Program at MCO, for the total amount of \$11,918,356, which includes the

not-to-exceed fee amount of \$11,571,219 and the not-to-exceed expense amount of \$347,137, with funding from Passenger Facility Charges to the extent eligible and General Airport Revenue Bonds; and, authorize an Aviation Authority Officer or the Chief Executive Officer to execute the necessary documents following satisfactory review by legal counsel.