

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

Project: Additional Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming and Procurement, Orlando International Airport

THIS AMENDMENT is effective this 17th day of May, 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 **FOUR HUNDRED NINETY-SIX THOUSAND SIX HUNDRED FORTY AND NO/100 DOLLARS (\$496,640.00)**, broken down as follows:

Professional Fees:	NTE:	\$496,640.00
Professional Fees:	LS:	\$0.00
Reimbursable Expenses:	NTE:	<u>\$0.00</u>
Total:		\$496,640.00

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 May 24, 2023.

GREATER ORLANDO AVIATION AUTHORITY

Kevin J. Thibault

By:

boxSIGN 2V0Q3P74 15QYRYKY

Kevin J. Thibault, P.E.
Chief Executive Officer

**Approved as to Form and Legality
(for the benefit of GOAA only)
on this date May 18, 2023**

Karen Ryan

By:

boxSIGN 18B1X31 15QYRYKY
NELSON MULLINS BROAD AND
CASSEL, Legal Counsel
Greater Orlando Aviation Authority

LEA & ELLIOTT, INC.

Daniel McFadden

By:

boxSIGN 182P9PP1 15QYRYKY

Signature (Duly Authorized Rep.)

Daniel McFadden

Printed Name

Principal

Title



Memorandum

To: Members of the Construction Committee

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

Date: May 2, 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 Additional Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming and Procurement 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. Due to the extended procurement process for project BP-477 – APM Operating System (OS) Replacement for Airside 2 & Airside 4, additional Design Criteria and Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services are required to support the Airside 2 and 4 APM System replacement project through the bidding process and award as further described in the proposal dated April 5, 2023. The scope of these services will be provided through September 30, 2023.

If approved, these services would be effective the date of Aviation Authority 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 General Airport Revenue Bonds and Passenger Facility Charges, to the extent eligible. Funding source verified by Melvin Martinez of Construction Finance on 04 / 28 / 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	\$496,640.00
Lump Sum Fees	\$0.00
Not to Exceed Expenses	\$0.00
TOTAL	\$496,640.00
AAC – Compliance Review Date	<i>QSS</i> 4/27/23
AAC – Funding Eligibility Review Date	4/27/23

LEA ELLIOTT

April 5, 2023

LE-GOAA-NCP-1344-0018

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.

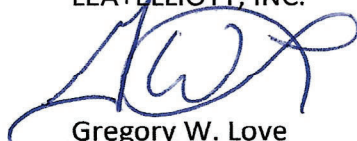
Also attached is our fee proposal, which includes the proposed Task 3 work effort spreadsheet, for efforts through September 30, 2023. ~~Please note that our fee proposal does not include any direct expenses related to travel to Japan or other manufacturing facilities. We recommend that GOAA establish a separate allowance to cover such direct expenses in an amount of approximately 3% of the total proposed fee.~~

Due to the scope associated with this phase of the project, we were unable to utilize any DBE participation for this work. However, as the Task 3 (Implementation Phase Services) progresses, we plan to provide value-added service through our subconsultants to meet the DBE goal as identified by GOAA.

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

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INTRODUCTION

The Greater Orlando Aviation Authority (GOAA) is currently considering undertaking a Capital Improvement Program at the Orlando International Airport (OIA) that includes the replacement of the existing APM trains serving Airside 2 & 4. The scope of work for the APM Contractor comprises the replacement of the Operating System and modification of related Fixed Facilities. Completion of the Airside 2 & 4 replacement is anticipated by the end of 2026.

All modifications to the existing Airside 2 & 4 infrastructure for the ‘Fixed Facilities’ will be designed and constructed by the APM Contractor in close coordination with GOAA. The APM Contractor will provide the ‘Operating System’ for the Airside 2 & 4 APM System through a Design-Build-Operate and Maintain (DBOM) arrangement. Similar to the work performed for the recent replacement of the Airside 1 & 3 APM systems at OIA, the APM Contractor’s work 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 upgrade or 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 procurement phase of the Airside 2 & 4 APM System replacement at OIA. The scope of work is divided into three (3) main Phases: **1) Programming Phase, 2) Procurement Phase, and 3) Implementation Phase.**

PROPOSED SCOPE OF WORK FOR SPECIALTY APM AND PASSENGER RAIL SYSTEMS CONSULTING SERVICES – PROGRAMMING and PROCUREMENT

1. PROGRAMMING PHASE - DEFINITION AND STARTUP (COMPLETED)

1.1 Program Plan for Airside 2 & 4 APM Replacement (COMPLETED)

Lea+Elliott will develop a comprehensive program plan to replace the Airside 2 & 4 APM Systems. At the present time, it is assumed that GOAA will want to follow the same replacement plan as was done for the BP-S100 APM OPERATING SYSTEM (OS) FOR AIRSIDE 1, AIRSIDE 3, AND SOUTH AIRPORT APM COMPLEX Phase 1 project with the following elements expected to be replaced: vehicles, train control, guideway equipment, Central Control, power distribution substation equipment, emergency generators, blue light stations, and running surface. Lea+Elliott also expects the following Airside 2 & 4 APM System elements to be modified: Maintenance and Storage Facility (M&SF), central control room, and equipment rooms.

Lea+Elliott will conduct the following activities to confirm the preferred program for the Airside 2 & 4 APM Replacement.

- Coordinate with the Owner's Authorized Representative (OAR) to confirm that the Airside 2 & 4 APM System replacements will require the system capacity that is the same as the existing or better which will be included as part of the performance-based specifications for the APM replacements.
- Coordinate with OAR to obtain A2 and B4 drawings of station facilities including platforms, guideway, and vehicle interfaces. Review station layouts and elevations of guideway versus platform to determine the APM technologies that can fit within the constraints of the existing facilities without major modification.
- Review the existing O&M contract and renewal options to define challenges and opportunities related to bundling the APM replacement and potential for competitive procurement for the replacement and O&M services.
- Review and finalize/refine ROM estimates based on latest work scope.
- Present findings and recommended program for replacement technology for GOAA's consideration and approval.

Note that much of the above tasks will be performed with due consideration of knowledge gained during the Airside 1 & 3 replacement project and from lessons learned from that project.

1.2 Develop Project Plan and Budget (COMPLETED)

Assist GOAA and the project management team in undertaking project start-up tasks and establishing administrative benchmarks as they relate to the Airside 2 & 4 APM Project including:

- Budget.

- Schedule.

1.3 Provide Input to Update the System Safety Program Plan (SSPP) (COMPLETED)

Lea+Elliott will provide input and assist GOAA in updating the System Safety Program Plan (SSPP) as required.

1.4 Identify Preferred Procurement Approach (COMPLETED)

Lea+Elliott will perform an assessment of the available procurement replacement approaches for the Airside 2 & 4 APM Systems including options for phasing the APM replacement work, O&M phases, and include the associated cost estimates of the Project. One of the objectives of this task will be to identify strategies that maximize flexibility for GOAA in phasing and implementing the Project with consideration to schedule and/or budget constraints. This task is critical especially if the Airside 2 & 4 APM System replacement technology and O&M staffing may be different from the existing original equipment manufacturer (OEM) and O&M staffing. The outcome of this task will provide direct input to the preparation of the APM Contractor Design Criteria Documents.

2. PROCUREMENT PHASE (ONGOING)

Official administration of the procurement is expected to be managed by a GOAA contracts officer. Lea+Elliott, as the Specialty APM System Consultant, will assist with the administration of the procurement by monitoring adherence to procurement plans and procedures. The Specialty APM System Consultant will also document the procurement process and prepare regular updates of the procurement process, to include all official actions and decisions. In addition, the Specialty APM System Consultant will provide GOAA with a Documentation Plan for indexing, filing, and maintaining the records of the procurement process once the procurement is officially initiated. It is assumed that all persons and entities participating in the procurement will follow the same plan in maintaining their records.

Based on GOAA's selected procurement approach for the Project, Lea+Elliott will perform the following tasks during the procurement phase of the Project.

2.1 Prepare RFQ Documents (COMPLETED)

If a two-step procurement approach is selected, Lea+Elliott will perform the following to assist GOAA during the initiation of the Request for Qualifications (RFQ) Prequalification process for the APM Contractor:

- Prepare Statement of Qualifications (SOQ) advertisement.
- Prepare instructions for Request for Qualifications (RFQ) including the pre-qualification criteria.
- Conduct industry outreach activities to encourage interest in the bid/competition amongst the APM System Suppliers.

Note that GOAA may consider foregoing the RFQ and utilize the results of the A1/B3 APM replacement RFQ. In a one step process the Request for Proposal (RFP) would be issued and would also include

qualification criteria which would be included as part of the evaluation of proposals and ranking of proposals. This would need to be coordinated with GOAA legal.

2.2 Prepare APM Contractor Design Criteria Documents (COMPLETED)

The Design Criteria Documents for Airside 2 & 4 APM Projects will be prepared in conformance with the approved procurement approach and consist of the following:

- Instructions for Bid submittals including:
 - Technical Data to be submitted to define the proposed APM Operating System(s).
 - Technical data evaluation criteria.
 - Pricing forms for the APM Operating System at a sub-system level, and Pricing forms for the follow-on Operations and Maintenance services that will initiate upon start of passenger service.
 - Evaluation Criteria.
- General Provisions – Lea+Elliott will review the GOAA boiler plate front end sections to provide comments and suggestions in an effort to ensure that the RFP documents are well coordinated without conflicts, especially between the General Provisions and the Special Provisions prepared by Lea+Elliott. These will be submitted to GOAA for their review and legal concurrence.
- Technical Provisions – performance-based and functional specifications.
- Special Provisions – governs the Contractors work activities, designs, and reviews and establishes the APM Contractor’s Scope of Work and interfaces with work by others as to the APM Operating System. The special provisions will complement the general provisions.
- Operating and Maintenance Provisions - governs operation and maintenance services after Substantial Completion.
- Reference Drawings and Data - identifies project plans, site-specific information, and includes data provided by GOAA related to the existing Airside 2 & 4 APM System.

These documents will be prepared in two stages as follows: Note that these tasks can be streamlined as much as possible by utilizing the Design Criteria Package (DCP) from the BP-S100 APM OPERATING SYSTEM (OS) FOR AIRSIDE 1, AIRSIDE 3, AND SOUTH AIRPORT APM COMPLEX Phase 1 project.

2.2.1 Preliminary APM Design Criteria Package (COMPLETED)

A preliminary APM Design Criteria Package (DCP) will be submitted to GOAA staff for review about midway through the DCP preparation process. The preliminary DCP will include general form and content for early review and input by GOAA to ensure the documents reflect GOAA’s general procurement approach for the Project and any technical or program issues are identified and addressed. Legal input will also be sought regarding the form and content of the general provisions as appropriate. It is anticipated that the form and content will be largely the same as that provided for the BP-S100 APM OPERATING SYSTEM (OS) FOR AIRSIDE 1, AIRSIDE 3, AND SOUTH AIRPORT APM COMPLEX Phase 1 project.

Following the receipt of the initial GOAA and legal review input/direction, it is expected that the various sub-parts of the DCP will be submitted to GOAA separately, and as they approach a further level of completion to facilitate an informed review. In addition, regular meetings will be held with GOAA staff to actively and real-time inform on issues and to seek policy direction as appropriate.

The goal is to develop and submit for review documents that have integrated feedback received at various levels of completion.

2.2.2 Final APM Design Criteria Package (COMPLETED)

A final set of documents will be submitted to GOAA for a final review before they are issued as part of the APM Contractor Selection process. Lea+Elliott will update documents as needed to address any final comments.

2.3 Support Prequalification Process for APM Contractor (COMPLETED)

The APM System Consultant will provide the following assistance to GOAA during the RFQ Prequalification process for the APM Contractor through the revised PSC Shortlisting date of ~~January 24, 2023~~ **March 21, 2023**:

- Participate in Pre-Submittal Conference
- Prepare responses to technical questions from APM Contractors
- Perform Technical Review of Statement of Qualifications relative to evaluation criteria including:
 - Qualifications of proposer and team
 - Ability to meet project schedule
 - Past performance of proposed technology
 - Compliance with service proven requirements for proposed technology
- Document the technical review, present review findings to GOAA's Professional Services Committee (PSC) and assist PSC in their evaluation as needed.

2.4 Support Early Tasks for APM Contractor Procurement Process (will be completed on proposal submittal date ~~March 31, 2023~~, May 31, 2023)

The following subtasks will be performed to support the early stages of the competitive bid process through the revised Technical and Price Proposal Due date of ~~March 31, 2023~~ **May 31, 2023**.

- Participate in Pre-Proposal Conference and local site visits by APM Contractors
- Prepare responses to technical questions from APM Contractor
- Support GOAA staff on evaluating and responding to questions related to non-technical matters.
- Support GOAA staff in determining implications for ongoing related works and operational policies.

2.5 Support Evaluation of APM Contractor Proposals

Following receipt of the APM Contractor's Technical and Price proposals scheduled on ~~March 31, 2023~~, *May 31, 2023*, the following subtasks will be performed to support the Procurement Process

- Prepare Detail Bid Evaluation and Forms
- Evaluate APM Project Bids – Technical and Commercial
- Document and present bid evaluation findings to GOAA's PSC
- Support the PSC, as requested, by providing fact-based findings to their queries
- Support GOAA in negotiations with Successful bidder
- Support GOAA in presenting award recommendation to Authority Board

2.5.1 Support Site Visits

Lea+Elliott assumes that GOAA will require visits to the sites and/or test tracks for the potential APM DBOM Proposers as part of the selection process. The Lea+Elliott Senior Project Manager and Project Manager will participate in these site visits. The actual schedule for the site visits has not yet been defined. For the purposes of establishing a budget for this task, 120 hours was used which would include planning and scheduling the travel, preparing the test plan, participating in the site visits and preparation of the findings in a report.

2.5.2 Brief Individual PSC Members on Technical Evaluation Results

Lea+Elliott assumes that there will be one presentation to the PSC Members at the PSC meeting prior to their selection of the successful APM DBOM Proposer. Briefings for individual PSC members are anticipated to occur one week prior to the PSC meeting to select the successful APM DBOM Proposer and span over 3 to 5 days depending on scheduling of the individual briefings. As such, we added 40 hours for the Senior Project Manager, Project Manager, and the Senior Consultant for these briefings.

2.6 Support GOAA Legal Staff during Procurement Process (will be completed on proposal submittal date (~~March 31, 2023~~, *May 31, 2023*))

The APM Specialty Consultant will provide support to GOAA and their legal counsel on any matters that may arise during the OS Contractor procurement process.

3. IMPLEMENTATION PHASE

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 (O/S) equipment. The O/S equipment includes the following:

- 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 in the sections below are the various tasks that Lea+Elliott will perform to support GOAA during the early stages of the Implementation Phase (i.e. APM DBOM Proposer NTP through September 30, 2023).

3.1 Project Management Activities

Lea+Elliott's 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 3.2 below.

3.2 Technical Work Activities

Lea+Elliott's Technical Work activities will require the use of four (4) 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 Technical Work activities anticipated from APM DBOM Proposer NTP through September 30, 2023, will include the review of the Design CDRLs (Contractor design submittals – that occur at the Preliminary Design level) and Project Management related CDRLs (Schedule of Values, Project Schedules, Management Organization, Quality Control & Assurance, etc.).

3.3 Technical Support

Lea+Elliott will require one (1) FTE, starting from APM DBOM Proposer NTP through September 30, 2023, 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.

PROPOSED BUDGET

The proposed revised budget to support the above work is identified in Attachment 1a. This task will be led by Mr. Gregory Love with the support of Mr. Daniel McFadden. This task will also be supported by a team of Lea+Elliott experts, as needed, to successfully complete this task. For this phase of the work (i.e. Task 2.4 through Task 3.3), Lea+Elliott does not anticipate utilizing a DBE firm(s); however, it is fully expected that DBE firms will be engaged as the Implementation Phase progresses.

ATTACHMENT-1a
SPECIALTY APM AND PASSENGER RAIL SYSTEMS CONSULTANT SERVICES - PROPOSED BUDGET
AIRSIDE 2 & 4 APM SYSTEMS REPLACEMENT PROJECT - PROGRAMMING AND PROCUREMENT
ORLANDO INTERNATIONAL AIRPORT

DATE: April 5, 2023

Subtask Description	Senior Project Manager	Senior Consultant / Project Manager	Engineer 3	Engineer 2	Engineer / CAD	Senior Administrative Asst	Strategic Principal	Senior Consultant / Advisor	Hours	Dollars
	\$321.00	\$277.00	\$218.00	\$160.00	\$123.00	\$83.00	\$297.00	\$297.00		
Organization	L+E	L+E	L+E	L+E	L+E	L+E	SSI	SSI		
Specialty APM Consultant's Tasks										
1.0 PROGRAMMING PHASE - DEFINITION AND STARTUP										
Task 1.1 Program Plan for Airside 2 & 4 APM Replacement (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 1.2 Develop Project Plan and Budget (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 1.3 Provide Input to Update the System Safety Program Plan (SSPP) (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 1.4 Identify Preferred Procurement Approach (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
2.0 PROCUREMENT PHASE										
Task 2.1 Prepare RFQ Documents (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 2.2 Prepare APM Contractor Design Criteria Documents (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 2.2.1 Preliminary APM Design Criteria Package (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 2.2.2 Final APM Design Criteria Package (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 2.3 Support Prequalification Process for APM Contractor (COMPLETED)	0	0	0	0	0	0	0	0	0	\$0.00
Task 2.4 Support Early Tasks for APM Contractor Procurement Process	60	260	0	0	0	8	0	0	328	\$91,944.00
Task 2.5 Support Evaluation of APM Contractor Proposals	144	436	48	48	0	4	0	0	680	\$185,472.00
Task 2.5.1 Support Site Visits	64	56	0	0	0	0	0	0	120	\$36,056.00
Task 2.5.2 Brief Individual PSC Members on Technical Evaluation Results	12	28	0	0	0	0	0	0	40	\$11,608.00
Task 2.6 Support GOAA Legal Staff during Procurement Process	9	27	0	0	0	8	0	0	44	\$11,032.00
3.0 IMPLEMENTATION PHASE										
Task 3.1 Project Management Activities	120	240	0	0	0	0	0	0	360	\$105,000.00
Task 3.2 Technical Work Activities	0	64	32	64	0	0	0	0	160	\$34,944.00
Task 3.3 Technical Support	0	0	0	0	0	248	0	0	248	\$20,584.00
TOTAL HOURS	409	1,111	80	112	0	268	0	0	1,980	
TOTAL LABOR COST	\$131,289	\$307,747	\$17,440	\$17,920	\$0	\$22,244	\$0	\$0		\$496,640.00
DBE Participation										
Organization	Certification								Participation	Dollars
	DBE								0.0%	\$0.00
PROPOSAL TOTAL										\$496,640.00

Note:
1. Each job classification may include multiple/varying personnel.

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: 

Print Name: Gregory W. Love

Date: 4/5/2023



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: May 02, 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 Additional Design Criteria and Specialty APM Consulting Services for Airside 2 & 4 APM System Replacement Programming and Procurement 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. does not propose small business participation on this amendment due to specialized scope associated with this phase of the project.



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: May 17, 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 Additional Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement at the Orlando International Airport

BACKGROUND

On December 9, 2020, the Aviation Authority Board approved the Specialty Automated People Mover (APM) and Passenger Rail Systems Consulting Services Agreement with Lea + Elliott, Inc. at the Orlando International Airport (MCO). This 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

ISSUES

A fee has been negotiated with Lea + Elliott, Inc. for a total amount of \$496,640 for Additional Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement at the Orlando International Airport. The Aviation Authority is currently considering the improvement of the existing APM trams that serve Airsides 2 and 4, and will include the Operating System and modification of related Fixed Facilities. Completion of this improvement is anticipated by the end of 2026. Services include the development of a comprehensive plan for the improvement of vehicles, train control, guideway equipment, Central Control, power distribution substation equipment, emergency generators, blue light stations, and running surface, and the assistance during the procurement of the APM Contractor by providing design criteria documents. The additional services will include, but are not limited to, the oversight and management of the technical aspects and program/contract controls process, and evaluation and support of the contractor's technical proposals during the procurement process. Services will be provided through September 30, 2023.

On May 2, 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 Additional Design Criteria and Specialty APM Consulting Services for Airsides 2 and 4 APM System Improvement Programming and Procurement 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. does not propose any small business participation due to the specialized scope associated with this phase of the project, and certifies that Lea + Elliott, Inc. is in good standing as it relates to its small business participation.

Lea + Elliott, Inc. (L+E) has utilized Simply Strategic, Inc. (Minority and Women Business Enterprise (MWBE)) for onsite staffing support, as follows:

	Simply Strategic Addendum/ Amendment Amount (A)	L+E Addendum/ Amendment Amount (B)	Participation per Addendum/ Amendment (C) = (A) ÷ (B)	Cumulative Participation for Simply Strategic (A) ÷ (B)*
Addendum No. 3	\$35,640	\$ 388,638	9.2%	
Amendment No. 3	\$ 8,316	\$ 454,652	1.8%	
TOTAL	\$43,956	\$ 843,290		5.2%*

*Simply Strategic, Inc. services were required only on Addendum No. 3 and Amendment No. 3; thus, the cumulative participation has been calculated on these two only.

ALTERNATIVES

None.

FISCAL IMPACT

The fiscal impact is \$496,640. 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 Additional 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 not-to-exceed fee amount of \$496,640, 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.