

MPA Contract No. A457

MEP Engineering Services, All Massport Facilities

Consultant Briefing

April 17, 2024





Agenda

1. Introduction
2. Overview
 1. Scope Of Work
 2. Sample of MEP systems
 3. Locations
3. Evaluation Criteria
4. Legal Requirements
5. Critical Dates/Deadlines

A457 – MEP Engineering Services - Introductions

Responses to RFQ shall be directed to:

Luciana Burdi, Intl. Assoc. AIA, CCM, MCPPO, NAC
Director – Capital Programs and Environmental Affairs

Massport Project Manager:

John Iacopucci, PE, LEED AP
Senior Mechanical Engineer

Sr.

A457 – MEP Engineering Services - Overview

- Seeking (3) qualified multidisciplined consulting firms
 - Demonstrated experience in Mechanical, Electrical, Plumbing, Fire Protection, Architectural, Structural, Code Compliance, Cost Estimating, Construction Phasing, Climate Resiliency and Sustainable Design.
- Services shall include planning, design & construction services, including resident engineering/inspection
- Work to be performed on an on-call, as-needed basis.

A457 – MEP Engineering Services – Scope of Work

- Work Orders may comprise of new construction, alterations, or additions to various facilities.
- Facilities include: airline terminals, maintenance garages, cargo buildings, hangars, sheds, warehouses, substations, pump houses, and office areas.
- Consultant will act as an on-call engineering firm that will provide MEP Design and CA services based on approved Work Orders.
- MEP Team shall comprise of the prime consultant for MEP systems including FP, P, HVAC, Electrical, Fire Alarm and Security Systems and combination of sub-consultants that collectively can provide a full range of services, including cost estimating, resident engineering, sustainable design, architectural or structural consulting engineering support services.
- Assistance in implementing the Authority-Wide Energy Efficiency Initiatives, such as: LED lighting retrofitting, Demand Control Ventilation, Retro-commissioning, cogeneration, Electrical charging stations for vehicles and GSE.

A457 – MEP Engineering Services – Scope of Work

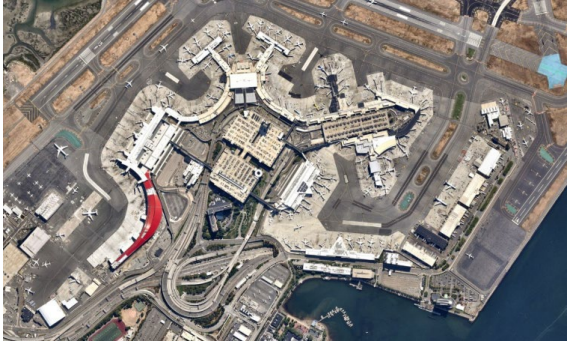
- Services may include conceptual or schematic drawings, outline specifications, due diligence studies, preparation of BIM modeling, design development and construction drawings.
- Services also may include investigations, reports, value engineering and energy modeling/auditing.
- Services also may include managing commissioning of new and existing systems.
- Construction administration services will also include review of RFIs, submittals, punchlist inspections, and support close-out of the construction contract.

A457 – MEP Engineering Services – Sample of MEP Systems

- Fire Protection systems comprise of various wet & dry systems, pre-action systems, and chemical suppression systems.
- Plumbing systems include various storm, sanitary and process waste pump stations, as well as ground water sump pumps.
- Mechanical/HVAC systems comprise of HPS, MPS and LPS [steam] systems, High Temperature Hot Water Systems, Chilled Water Systems, steam-water converters, pumps, VFDs, motor starters.
- Air Handling Systems comprise of VAV and CV systems with terminal units, hydronic coils, electric resistance coils. In addition there are H&V units, air curtains, unit heaters.
- Controls include DDC, electric and pneumatics of various manufacturers.

A457 – MEP Engineering Services – Locations

Logan Airport



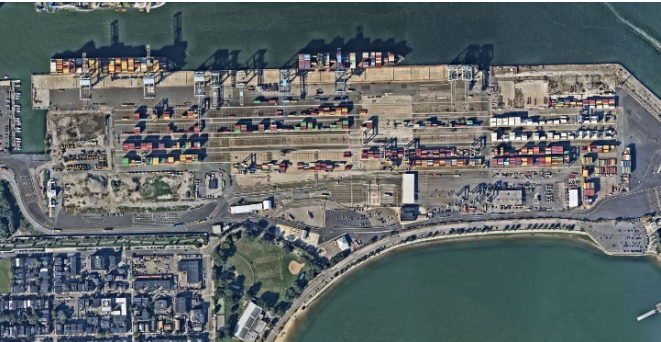
Worcester Airport



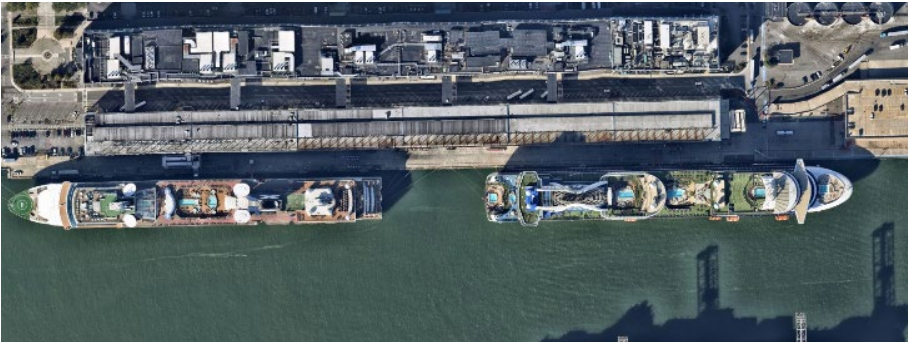
Bedford Airport



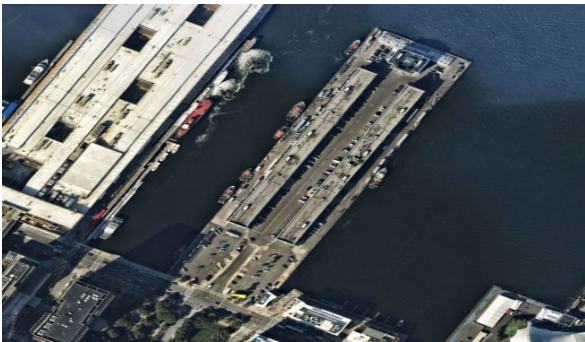
Conley Cargo Terminal



Black Falcon Cruise Terminal



Fish Pier Terminal



A457 – MEP Engineering Services – Locations

Bremen St. Park



Piers Park



Logan Express – Framingham



Logan Express – Braintree



Logan Express – Peabody



Selection Criteria

EVALUATION CRITERIA:

The submission shall be evaluated on the basis of the following equally weighted criteria:

- (1) Demonstrated experience and knowledge of the team for similar projects of similar size and complexity, and
- (2) Project understanding and proposed technical approach including QA/QC process, and
- (3) Demonstrated experience in integrating and managing BIM/VDC in the planning, design and construction, and
- (4) Demonstrated project experience in sustainable and resilient high-performance building and infrastructure design and construction, including experience with low, net zero ready or net zero emissions, water, and waste, lifecycle cost benefit analysis, and
- (5) Proposed approach to enhance diversity and inclusion of the proposed team to increase the pool of consultants working on the Authority's projects. For those DBE firms proposed, please describe type and/or category of work (i.e. architecture, structural, Lean, etc.); include the specific roles to be played by DBE and the extent to which such DBE involvement is anticipated as of date of the proposal submission, (% goal)

Legal Requirements

“The Authority may reject any application if any of the required information is not provided: Cover Letter, Insurance Requirements, Registration of the Prime “Designer” as defined in MGL Chapter 7C Section 44, and SF330 Part IIs for the Prime and every sub-consultant.

Make sure that the Cover Letter is signed “Under the pains and penalties of perjury”, and that you mention the Insurance Requirements and Registration of the Prime “Designer” as defined in MGL Chapter 7C Section 44 in the Cover Letter itself.”

Critical Dates

Wednesday, April 10, 2024 – Supplemental Package made available.

Wednesday, April 17, 2024 – Consultant Briefing to be held at 11:00AM.

Thursday, April 25, 2024 – ALL written questions due into MPA by 12:00PM.
(Questions are to be sent via email to CPBidQuestions@massport.com)

Thursday, May 02, 2024 – Estimated written responses to all Consultant questions.

Thursday, May 23, 2024 – Qualifications Packages due to MPA at 12:00PM.

