

A447
TERM ROOFING AND BUILDING ENVELOPE
DESIGN
Consultant Briefing

05.18.23



A447 Term Roof & Envelope Design Consultant Briefing

Introduction

- Please enter your contact information in the Zoom Meeting chat window:
 - First and Last Name
 - Company
 - Email

A447 Term Roof & Envelope Design Consultant Briefing

Agenda

Expected Outcome: *An understanding of the Bid Express Submission Process*
Gained insights to the A447 RFQ requirements

1. Bid Express
2. Term Contract Background
3. Solicitation for Consultant Design Services
 - Multidisciplinary Team Expertise
 - Scope of Work
 - Evaluation Criteria
 - Submission Schedule

A447 Term Roof & Envelope Design Consultant Briefing – Bid Express Info

massport

Business Finance Community Media About Massport COVID-19

← BUSINESS / BIDS & OPPORTUNITIES

Capital Bids

Bids & Opportunities
Current Opportunities
Capital Bids

Forms & Procedures

Concessions

Advertising

Goods & Services

Real Estate

Leasing Space

Massport has introduced online bidding for all C.149 and C.30 projects and Consultant Professional Services.

[Online Bidding Project Information](#)
[Bid Express New Vendor Instructions](#)

All new bids for C.149 and C.30 projects Consultant Professional Services can be found on the [Massport Bid Express website](#). The construction projects listed below under Advertised Contracts that are C.149 or C.30 have already been advertised. No hard copies of the bidding information, Proposal, Plans and Specifications, Addenda, or other material is available. Nor will Massport accept hard copy bids for these projects. Bidding on these projects is completely online.

All bidders need to be registered with Bid Express to submit or respond to Bids. Please refer to the new [Bid Express New Vendor Instructions](#).

[Advertised Contracts](#) [Results](#)

Select An Opportunity Type ▾

- Massport has introduced online bidding for all C.149 and C.30 projects
- Consultant Professional Services RFQs for Projects Advertised after May 10, 2023 will be submitted through online bidding (BidExpress).
- No hard copies of the bidding information, Proposal, Plans and Specifications, Addenda, or other material are available. Nor will Massport accept hard copy bids for these projects. Bidding on these projects is completely online.
- All new bids for C.149 and C.30 projects and Consultant Professional Services can be found on the [Massport Bid Express website](#).
- [Online Bidding Project Information](#)

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← BUSINESS / BIDS & OPPORTUNITIES

Capital Bids

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[Advertised Contracts](#) [Results](#)

Select An Opportunity Type ▾

| PROJECT # | OPPORTUNITY TYPE | PROJECT TITLE | DUE DATE | ESTIMATE |
|-----------------------|-------------------------|---|-----------|-------------|
| M741 | Professional Consultant | Hoodsac Pier Bulkhead Rehabilitation | 6/8/2023 | \$2,000,000 |
| A447 | Professional Consultant | Third Party Commissioning Consulting Services FY23-25, All Massport Owned and Operated Facilities | 5/26/2023 | \$1,000,000 |
| A448 | Professional Consultant | On-Call Geographic Information System Consulting Services | 5/25/2023 | \$500,000 |
| L1033 | Professional Consultant | Runway 27 Safety Area Improvements | 5/18/2023 | \$5,000,000 |
| L1026 | Professional Consultant | O&E Maintenance Building | 5/18/2023 | \$2,000,000 |
| M750 | Professional Consultant | FY23-27 Maritime Term Architecture/Engineering Services | 5/18/2023 | \$2,000,000 |

- The Professional Consultant RFQ's will be listed under the related Project # and Project title on the Massport website:
<https://www.massport.com/massport/business/bids-opportunities/capital-bids/>
- Please submit qualification via Bid Express
<https://www.bidexpress.com/>

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infotech

Welcome to Infotech® registration
Infotech is the home of valuable services for construction contracting firms. We provide only the services you need and get access from any computer, any time.

My Info

First Name: []
Last Name: []
Email: []
Email Confirmation: praczkowski@massport.com
Time Zone: (GMT-05:00) Eastern Time (US & Canada)

Password: []
Password Confirmation: []
Question: []
Answer: []

If you forget your password we'll ask you to verify this.

My Business

Name: []
City: []
Phone: (555) 555-5555 x55
State: []
Address1: []
Address2: []
Postal Code: []

I have read and agreed to [Privacy Policy](#), [Terms of Use](#), and [DMCA Policy](#), and acknowledge that I understand how Infotech uses any personal information I supply to Infotech, and I approve of these uses. No

Keep me updated on the latest Infotech new product releases and promotional offerings. No

- All bidders need to be registered with Bid Express to submit or respond to Bids.

<https://www.infotechexpress.com/registration/new>

- Please refer to the new [Bid Express New Vendor Instructions](#):

<https://infotechinc.zendesk.com/hc/en-us/sections/12044610308375-Bid-Express-Vendors>

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A447 RFQ listed below in Bid Express

The screenshot shows the Bid Express website interface. At the top, there is a navigation bar with 'Home', 'Our Solicitations', 'Public Solicitations', 'My Profile', 'Stats', and 'Contact Us'. Below this is a search bar and a 'Create Solicitation' button. A table lists various solicitations with columns for 'Solicitation', 'Status', and 'Due'. The first entry, 'A447 RFQ PROFESSIONAL SERVICES', is highlighted with a blue arrow pointing to it. The table includes the following data:

| Solicitation | Status | Due |
|--|------------|------------|
| A447 RFQ PROFESSIONAL SERVICES Professional Consultant Services A447 TERM ROOF AND BUILDING EN... | Draft | 06/22/2023 |
| LP2301 LP2301 FY 24-27 PASSENGER BOARDING BRIDGES MAINTENANCE ... | Advertised | 05/25/2023 |
| AP2302-C1 (TERM) AP2302-C1 TERM INTERIOR BUILDING REPAIRS, BOSTON, BEDFOR... | Draft | 05/24/2023 |
| AP2305-C1 (TERM) AP2305-C1, TERM CAULKING/SEALANT REPAIRS, BOSTON, BEDFOR... | Advertised | 05/03/2023 |
| L1740-C1 (GENERAL) L1740-C1 (GENERAL) LOC CRAC UNIT REPLACEMENT, ONE HARBO... | Closed | 04/26/2023 |
| L1738-C1 L1738-C1 ENERGY OPTIMIZATION PROGRAM – LOGAN AIRSIDE CHA... | Closed | 04/19/2023 |
| L1740-C1 (SUB) L1740-C1 (SUB) LOC CRAC UNIT REPLACEMENT, ONE HARBORSIDE ... | Closed | 04/12/2023 |
| W308-C1 W308-C1 RUNWAY 11-29 REHABILITATION FROM STATION 48+20 TO ... | Closed | 03/22/2023 |
| L1709-C1 L1709-C1 2023 MISCELLANEOUS AIRFIELD PAVEMENT IMPROVEMEN... | Closed | 03/22/2023 |
| H288-C1 H288-C1 RUNWAY 5-23 (SOUTH OF RW 11-29) REHAB, LIGHTING AND... | Closed | 03/08/2023 |
| AP2209-C1 (TERM) AP2209-C1 FY2023-2026 TERM CONTRACT FOR ON-CALL AND EMER... | Closed | 03/08/2023 |
| MP2301-C1 (TERM) MP2301-C1 (TERM) MARITIME PAVEMENT REPAIRS - TERM CONTRA... | Closed | 03/08/2023 |
| AP2304-C1R-(TERM) AP2304-C1R TERM DOOR REPLACEMENT BOSTON, BEDFORD, AND ... | Closed | 02/22/2023 |
| L1645-C1 | Incart | 02/08/2023 |

Submit Qualifications under Required Document List

The screenshot shows the details page for the A447 RFQ in Bid Express. The page includes a navigation bar, a status bar, and several informational cards. The main content area is titled 'General Info' and contains the following details:

- Number:** A447 RFQ PROFESSIONAL SERVICES
- Deadline:** 06/22/2023 12:00 PM EDT
- Auto Advertise:** 05/18/2023 09:00 AM EDT
- Description:** Professional Consultant Services A447 TERM ROOF AND BUILDING ENVELOP ALL MASSPORT FACILITIES BOSTON-BEDFORD & WORCESTER MASSACHUSETTS MAY, 2023
- State:** Massachusetts
- County:** Suffolk

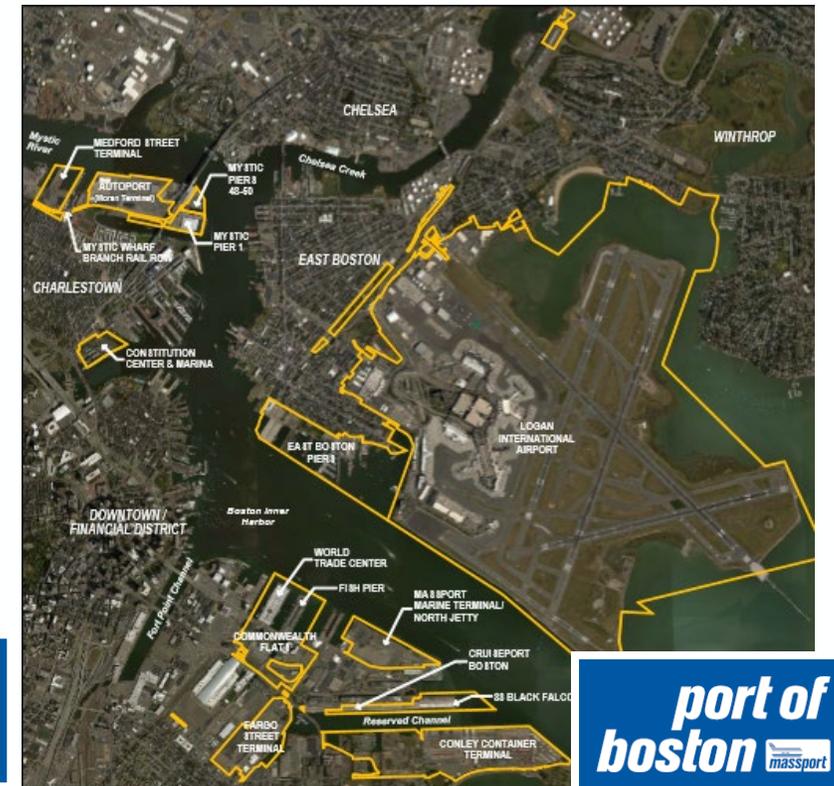
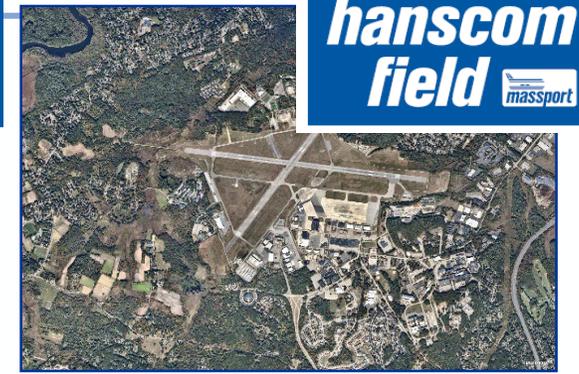
Below the text is a map of Suffolk County, Massachusetts, showing the project location. The map includes labels for various towns and cities, and a legend for 'Suffolk County'. The map is powered by Esri.

At the bottom of the page, there is a section for 'Project Solicitation Documents' with columns for 'Order Name' and 'Description'. There are also 'Edit' and 'More' buttons for this section.

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Background

- Massport maintains over **200** buildings
- Across five site areas
 - **Boston ~ Worcester ~ Bedford**
- Work may be at one or all properties
- **Massport Net-Zero by 2031 goal**
- Buildings may require
 - Performance upgrades
 - Repairs for damage
 - Retrofit from age
 - Phased roof replacement (5-yr \$27M program)



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Building Envelope Retrofit

Massport's goal: net-zero greenhouse gas emissions by 2031

- Improving the energy efficiency of buildings is one component of meeting this goal
- Older buildings in Massport's portfolio could significantly benefit from envelope improvements or full system retrofits
 - incorporate new building technologies
 - provide for more efficient energy consumption
 - create a healthier indoor environment
 - improved occupant comfort

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Term Contract

- Term Roofing and Envelope Design Contract:
 - Massport's goal is to issue more than one contract
 - Each consultant to be issued a contract in an amount not to exceed two million dollars (\$2,000,000)
 - Services shall be authorized on an **on-call, as needed, work order** basis to address priorities of need
 - Work Orders may range from a peer design review, in-field evaluation of conditions, temporary repair, an exterior cladding, window or roof replacement, to a full repair or replacement of an exterior system

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Multidisciplinary Team - Expertise to include (but not limited to):

- Building Envelope evaluation, design and performance modelling
- Registered Roof Consultants (RRCs) well experienced in roof material technologies, and roof and building envelope design and detailing, remediation, and sustainability
- Use of Digital Technology
- Sustainability - smart building performance, energy efficiency
- Architecture, building structure, plumbing, and electrical engineering, cost estimating, construction phasing, and bid documentation under MGL Chapter 149
- Integration of Lean and Agile methodologies throughout project performance
- Regulatory Requirements

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Scope of Work – May include but not be limited to:

1. Perform field survey of existing roof/wall, noting dimensions, equipment, penetrations, etc., as well as system interfaces and interior conditions
2. Evaluate existing conditions of the building envelope, report on findings, code requirements, and recommend needed repair, retrofit or replacement
3. Develop design plans and details for system replacement
4. Coordinate with MPA environmental hygienist for abatement scope and specification
5. Prepare drawings, energy model, specifications and/or BIM models as required

**Persons evaluating and designing replacement roof shall be a Registered Roofing Consultant*

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Scope of Work – May include but not be limited to:

6. Prepare design and bid documents (under MGL Chapter 149)
7. Prepare engineering cost estimates for system replacement and associated work
8. Bid phase support services
9. Construction phase services, including field inspections (by RRC* for roofing)
10. Resident engineer in field during construction to ensure compliance with contract documents
11. Construction close out and record documentation

**Persons evaluating and designing replacement roof shall be a Registered Roofing Consultant*

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Criteria - submissions will be evaluated on the team's:

1. Proven knowledge and experience for system replacement projects of similar scale, complexity and scope
 - *Experience is particularly important for PM and system designer*
2. Project understanding and technical approach specific to work scope
3. Experience integrating and managing BIM/VDC throughout project implementation
Experience utilizing Scrum and Lean methodologies for improved project performance
4. Experience in sustainable and resilient high performance building envelope design and construction and “outside the box” examples applicable to scope of work
5. Approach to composition of team for enhanced diversity and inclusion
 - **(The established Commonwealth of Massachusetts combined M/WBE participation goal is 21.6%)**

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Submission Schedule:

Key Dates:

- **May 25**

Written questions submitted to:

CPBidQuestions@massport.com

- **June 1 (*estimated*)
questions**

Massport published response to

- **June 22, 2023 12:00 noon**

Submission deadline (close)

Submit to:

<https://www.bidexpress.com/businesses/27137/home>

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Design Services

- Term Roofing and Envelope Design Consultant may be tasked to:
 - Document and evaluate existing conditions
 - Report findings and present recommendations
 - Provide design, bid and construction phase services