

M751
Wind Technology Testing Center (WTTC) Expansion
Project Briefing

**Autoport,
Charlestown, MA**

01.23.24



M751 - Wind Technology Testing Center Expansion

Pre-Proposal Briefing Sign In

Please enter your contact information in the Zoom Meeting chat window:

- First and Last Name
- Company
- Email

M751 - Wind Technology Testing Center Expansion

Project Location – 80 Terminal Street, Charlestown MA



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Existing Wind Technology Testing Center

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Existing Wind Technology Testing Center Facility Background

- Constructed in 2011
- 47,000 GSF facility designed for structural testing of wind turbine blades up to 90m in length
- Clear span structure, 108' wide, 238' long and 72' high
- Facility designed with 3 individual post-tensioned concrete test stands supported on massive reaction footings on drilled concrete shafts
- Individual wind blades are mounted to the test stands as cantilevers for static and dynamic testing
- Testing facility has (2) 50 ton bridge cranes to help with the positioning and attachment of the blades
- The facility operates and performs testing 24/7
- Existing facility was constructed on a brownfield site over PCB contaminated soil
- Large blades are delivered to the site via water



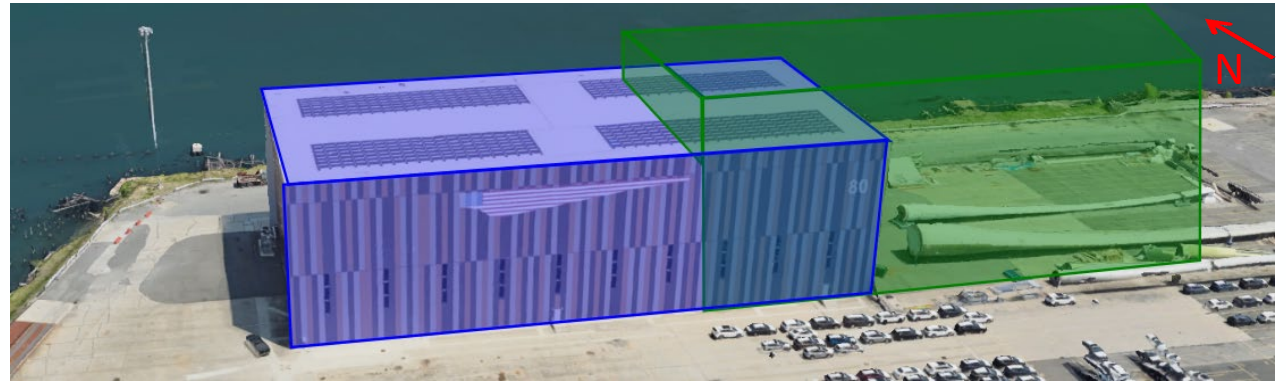
M751 Wind Technology Testing Center Expansion

Project Objectives

- Expand the existing 47,000 SF testing facility by an additional ~40,000 SF and an increase in elevation to allow for testing of blades up to 170m long (currently limited to 90m long)
- Modify the existing test stands to increase moment capacity to accommodate a force of up to 200MNm (currently limited to 84MNm)
- Provide test stand's face plates' tilt capability to facilitate testing of longer blades
- Modification of the facility and yard layout to allow for seamless movement of longer blades in and out of the building
- Construction to be phased to facilitate existing testing center's operations

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Proposed Facility Expansion



Blue = Existing

Green = Proposed Expansion

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Scope of Work

- Programming
- Design & Permitting
- Constructability and Phasing
- Cost Management & Cost Estimating
- Construction Manager-at-Risk or General Contractor Procurement
- Construction Administration
- Resident Engineering
- Code Compliance
- Sustainable Design, Resiliency and Net-Zero Consideration
- Project Commissioning & Closeout



M751 Wind Technology Testing Center Expansion

Evaluation Criteria

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

- (1) Experience and knowledge of the team for similar projects of similar size and complexity particularly important to demonstrate for the proposed Project Manager. Familiarity with Mass General Law, including filed sub-bid experience,
- (2) Project understanding and proposed technical approach including QA/QC process during document preparation, cost management and scheduling capabilities, construction oversight, ability to plan and perform work with minimal disruption to operations,
- (3) Demonstrated experience in integrating and managing BIM/VDC in the planning, design and construction. Experience of utilizing Lean Design & Construction (Last Planner System[®], Scrum or other tools) to increase reliability and significantly improve projects and teams' performance,
- (4) Experience in sustainable and resilient high-performance building and infrastructure design and construction. Firms are encouraged to demonstrate “outside of the box” thinking for examples of inclusion of sustainable practices into its projects and specify how those practices may be applied to this project proposal,
- (5) Proposed approach to enhance diversity and inclusion in the team. 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.

M751 Wind Technology Testing Center Expansion

Submission 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.

RFQ Instructions for Electronic Submission:

Electronic submissions will be via <https://www.bidexpress.com/businesses/27137/home>. Please refer to <https://www.massport.com/massport/business/bids-opportunities/capital-bids/> website for instructions on how to submit an electronic RFQ submittal.

M751 Wind Technology Testing Center Expansion – Bid Express Info

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BUSINESS

Capital Bids

Massport has introduced online bidding

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](#).

[BID EXPRESS NEW VENDOR INSTRUCTIONS](#)

Advertised Contracts

Select An Opportunity Type

PROJECT #	OPPORTUNITY TYPE	PROJECT TITLE	DUE DATE	ESTIMATE
M707-C2 General Bid Express	Construction 149/30	VARIABLE MESSAGING SIGN, WORLD TRADE CENTER AVENUE AND SUMMER STREET, SOUTH BOSTON, MASSACHUSETTS	01/10/2024	\$805,000
W297-C1 General Bid Express	Construction 149/30	W297-C1, WORCESTER AIRPORT SECURITY CHECKPOINT IMPROVEMENTS, WORCESTER REGIONAL AIRPORT, WORCESTER, MASSACHUSETTS.	01/10/2024	\$2,050,000

- 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 is available. Nor will Massport accept hard copy bids for these projects. Bidding on these projects is completely online.
- [Online Bidding Project Information](#)
- All new bids for C.149 and C.30 projects and Consultant Professional Services can be found on the [Massport Bid Express website](#).

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[BID EXPRESS NEW VENDOR INSTRUCTIONS](#)

Advertised Contracts

Select An Opportunity Type

PROJECT #	OPPORTUNITY TYPE	PROJECT TITLE	DUE DATE	ESTIMATE
W07-C2 General Bid Express	Construction 14930	VARIABLE MESSAGING SIGN, WORLD TRADE CENTER AVENUE AND SUMNER STREET, SOUTH BOSTON, MASSACHUSETTS	01/10/2024	\$805,000
W097-C1 General Bid Express	Construction 14930	W097-C1, WORCESTER AIRPORT SECURITY CHECKPOINT IMPROVEMENTS, WORCESTER REGIONAL AIRPORT, WORCESTER, MASSACHUSETTS	01/10/2024	\$2,050,000
L1746	Professional Consultant	FIRE BOAT DOCK AND FERRY TERMINAL DOCK REHABILITATION AND ELECTRICAL UPGRADES	01/04/2024	\$1,000
L1746	Professional Consultant	FIRE BOAT DOCK AND FERRY TERMINAL DOCK REHABILITATION AND ELECTRICAL UPGRADES	01/04/2024	\$1,000
A402	Professional Consultant	AUTHORITY WIDE ELEVATOR, ESCALATOR AND MOVING WALKWAY MODERNIZATION PROGRAM, BOSTON, BEDFORD AND WORCESTER, MASSACHUSETTS	12/21/2023	\$2,000,000
W097-C1 SUB Bid Express	Construction 14930	WORCESTER AIRPORT SECURITY CHECKPOINT IMPROVEMENTS, WORCESTER REGIONAL AIRPORT, WORCESTER, MASSACHUSETTS	12/20/2023	\$2,050,000
A130-C1 Bid Express	Construction 14930	PARKING FACILITIES COUNTERS AND STORAGE, LOGAN AIRPORT EAST BOSTON, MASSACHUSETTS	12/20/2023	\$4,100,000
M724	Professional Consultant	M724 BERTHS 10, 11 & 12 ENHANCEMENT AND RELATED LOW-PROFILE STS CRANE PROCUREMENT CORNLEY TERMINAL, 700 SUMNER STREET, SOUTH BOSTON, MASSACHUSETTS	12/14/2023	\$50,000,000
L1781	Professional Consultant	LOGAN HVAC RETIREMENT PROGRAM, LOGAN INTERNATIONAL AIRPORT, BOSTON, MASSACHUSETTS	12/14/2023	\$5,000,000
W07-C2 SUB Bid Express	Construction 14930	VARIABLE MESSAGING SIGN, WORLD TRADE CENTER AVENUE AND SUMNER STREET, SOUTH BOSTON, MASSACHUSETTS	12/13/2023	\$138,000
L1486 Bid Express	Construction Manager At Risk	AIR TRAFFIC CONTROL TOWER (ATCT) IMPROVEMENTS, AT BOSTON LOGAN INTERNATIONAL AIRPORT	12/07/2023	\$30,000,000
L1933	Professional Consultant	CARGO THROUGHPUT FACILITY, BOSTON LOGAN INTERNATIONAL AIRPORT, EAST BOSTON, MASSACHUSETTS	12/07/2023	\$30,000,000
UP2024-C1 Bid Express	Construction 14930	FY2024-2027 SKILLED TRADES MAINTENANCE CONTRACT FOR CARGO BUILDING NOS. 20, 21, 24, 25, AND 23, GREEN BUS DEPOT BUILDING 11, AND OFFICE BUILDING NOS. 7 & 11, LOGAN INTERNATIONAL AIRPORT, EAST BOSTON, MASSACHUSETTS 02128	12/06/2023	\$1,500,000

- The Professional Consultant RFQ's will be listed under the appropriate 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/>

M751 Wind Technology Testing Center Expansion – Bid Express Info

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Welcome to Infotech® registration
Infotech is the home of valuable services for construction contracting firms. 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):
<https://infotechinc.zendesk.com/hc/en-us/sections/12044610308375-Bid-Express-Vendors>

M751 Wind Technology Testing Center Expansion – Bid Express Info

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 from the text above.

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	Closed	02/08/2023

Submit Qualifications under Required Document List

The screenshot shows the details page for the 'A447 RFQ PROFESSIONAL SERVICES' in Bid Express. The page includes a navigation bar, a status bar, and several informational cards. Below these is a 'General Info' section with a table of details and a map of the location in Suffolk County, Massachusetts. At the bottom, there is a section for 'Project Solicitation Documents'.

Number	Allow zero unit prices and labor?
A447 RFQ PROFESSIONAL SERVICES	No
Deadline	Allow negative unit prices and labor?
06/22/2023 12:00 PM EDT	No
Auto Advertise	Allow multiple bids per vendor for this solicitation?
05/18/2023 09:00 AM EDT	No
Description	Allow Electronic Signatures?
Professional Consultant Services A447 TERM ROOF AND BUILDING ENVELOP ALL MASSPORT FACILITIES BOSTON-BEDFORD & WORCESTER MASSACHUSETTS MAY, 2023	Yes
State	Allow vendors to ask questions?
Massachusetts	No
County	Restricted?
Suffolk	No
	Mark solicitation as an RFP?
	No

Project Solicitation Documents

Order	Name	Description
0	Attachments	



M751 Wind Technology Testing Center Expansion

Submission Schedule

- RFQ questions sent via email to CPBidQuestions@massport.com
- In the subject lines of your email, please reference **M751 – Wind Technology Testing Center Expansion**
- Deadline for questions: **Thursday, February 1, 2024 @ 12:00PM (noon)**
- Questions and responses will be posted on the Capital Bid Opportunities webpage of Massport (<http://www.massport.com/massport/business/bids-opportunities/capital-bids>) as an *attachment* to the original Legal Notice, on COMMBUYS (www.commbuys.com) & BidExpress (in the listings for this project).

EVENT	DATE/TIME
Solicitation: Release Date & Supplemental Package Available	Wednesday, January 17, 2024
Consultant Briefing	Tuesday, January 23, 2024 at 10:00 A.M.
Deadline for submission of written questions	Thursday February 1, 2024 at 12:00 PM (noon)
Official answers published (Estimated)	Thursday February 8, 2024
Solicitation: Close Date / Submission Deadline	Thursday February 29, 2024 at 12:00 PM (noon)

THANK YOU
QUESTIONS?