

**L1828**

**Logan International Airport  
2023 Airfield Capital Improvement Projects  
*Project Briefing***

**LOGAN INTERNATIONAL AIRPORT,  
EAST BOSTON, MA**

06.08.23



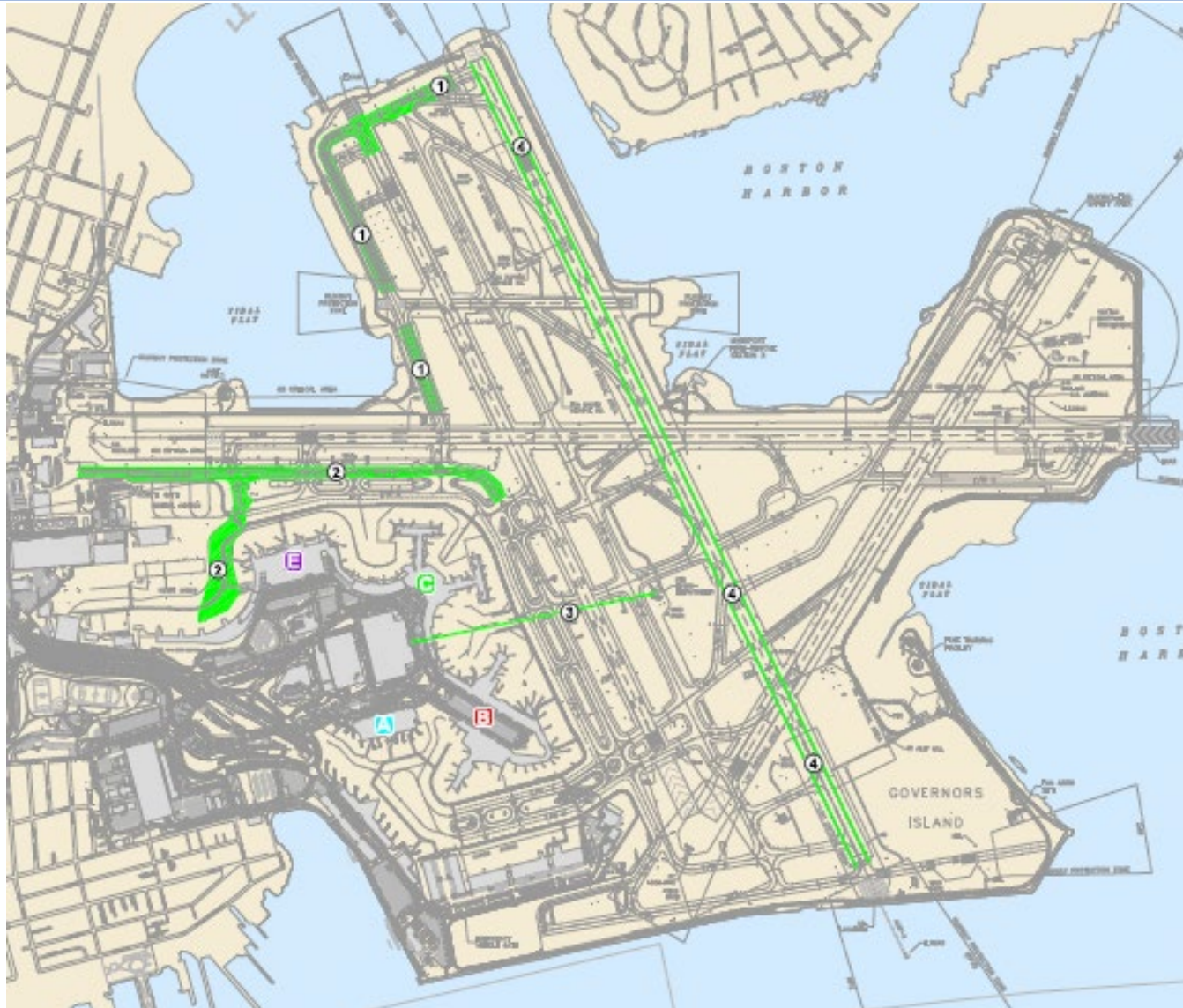
# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Introduction

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

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects



Projects included in RFQ:

1. Rehabilitate Taxiway N from RW 15R-33L to RW 22L and Install PCC Pavement on RW 22L
2. Rehabilitate Taxiway B North
3. Install Duct Bank from RTR Site to Base of ATCT
4. Runway 4R-22L Upgrade Lighting to LED, Cable Re-Circuitry and Edge Light Infrastructure Replacement
5. Land and Hold Short Operations System Upgrade (not shown)

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

## Rehabilitate Taxiway N from RW 15R-33L to RW 22L and Install Pavement on RW 22R

- Taxiway N is a key taxi route to and from RW 22L and RW22R. It is a low-visibility taxi route and a designated route for A380 aircraft.
- Project limits would extend from Runway 15R-33L to Runway 22L and include the installation of PCC pavement on a portion of Runway 22R.
- Consultant will be expected to evaluate existing PCC pavement and make recommendations on potential repairs and rehabilitation limits/methods. For existing HMA areas, the Consultant will need to present options for both asphalt and Portland Cement concrete pavements.
- Project includes new edge and centerline light bases, conduit and cable within project limits. Existing centerline and edge light fixtures to be converted to LED.
- Project phasing will be critical due to its access and role as main taxi route on northern portion of airfield.
- *Anticipated Project Schedule: Design FY24 (Fall 2023); Construction FY24/25 (FY24 runs 7/1/23 - 6/30/24)*
- *Anticipated Project Cost: \$22 million*



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Runway 4R-22L Upgrade Lighting to LED; Cable Re-Circuitry and Edge Light Infrastructure Replacement

- Runway 4R-22L is 10,006' long, 150' wide, has CAT III capabilities and is a main runway for larger long-haul aircraft.
- Existing circuitry for the runway was installed in 2004; centerline lighting infrastructure replaced in 2004. There are 3 edge circuits, 1 centerline circuit, and 1 touchdown zone light circuit.
- Existing cabling for edge, centerline and touchzone lighting to be replaced all the way back to the airfield lighting vault.
- Existing edge, centerline and touchzone light fixtures to be upgraded to LED. Guidance signs and runway distance remaining signs to be upgraded to LED.
- Project includes replacement of edge light infrastructure (light bases and conduit).
- *Anticipated Project Schedule: Design FY24 (Fall 2023); Construction FY 24/25*
- *Anticipated Project Cost: \$10 million*

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

## Rehabilitate Taxiway B North

- Taxiway B North is a key taxi route to RW 15R, Terminal E and the North Cargo Area. It is a low-visibility taxi route and a designated route for A380 aircraft.
- Project limits would extend from Taxiway L to Taxiway Q and include the North Cargo taxilane adjacent to Terminal E gates 10, 11, and 12 and the Bravo taxilane extension, to the Hangar 5 ramp.
- Project rehabilitation anticipated to be via a mill and inlay of hot mix asphalt.
- Project includes new edge and centerline light bases, conduit and cable within project limits.
- Project phasing will be critical due to its access and role as main taxi route on western portion of airfield.
- *Anticipated Project Schedule: Design FY24; Construction FY25*
- *Anticipated Project Cost: \$17 million*



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Install Duct Bank from RTR Site to Base of ATCT

- The existing main duct bank running from center of airfield is 40+ years old.
- Existing duct bank provides critical connectivity and communications for MPA and FAA cabling on the airfield.
- Proposed duct bank and associated manholes will be installed to allow for key MPA and FAA infrastructure to be installed in the new system.
- Proposed duct bank needs to cross one runway, two taxiways, and an aircraft parking area at Terminals B/C serving several different airlines.
- Project phasing will require close coordination with Massport Operations, Massport Electrical, FAA Technical Operations as well as various tenants in order to complete the installation.
- *Anticipated Project Schedule: Design FY24; Construction FY25*
- *Anticipated Project Cost: \$3.5 million*



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Land and Hold Short Operations System Upgrade

- The existing LAHSO system was installed in the early 2000s and the system is 20+ years old.
- Existing regulators are now deemed obsolete and need to be updated and potentially consolidated into one on-airfield location.
- Existing cabling for LAHSO on airfield to be replaced and entire system to be upgraded to LED.
- Four current locations of LAHSO infrastructure:
  - Landing RW 22L Hold short point: Prior to RW 27/9 intersection
  - Landing RW 4L Hold short point: Prior to RW 15L/33R intersection
  - Landing RW 27 Hold short point: Prior to RW 22L/4R intersection
  - Landing RW 15R Hold short point: Prior to RW 9/27 intersection
- Project may also include relocation of existing LAHSO bar on RW 4L to accommodate future airfield geometry changes.
- *Anticipated Project Schedule: Design and Regulator Upgrade FY24; Construction FY25/26*
- *Anticipated Project Cost: \$2.4 million*



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Overall Project Scope of Work

- **Consultant shall demonstrate experience in several disciplines including but not limited to:**
  - Airfield civil/Civil 3D/CIM
  - Airfield electrical
  - Airfield construction phasing
  - Subsurface investigation and construction acceptance testing
  - Cost estimating
  - LEAN practices
  - Sustainable design, and
  - FAA AGIS requirements as applicable



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Scope of Work for Each individual project listed in RFQ

### Scope shall include but not be limited to:

- Review existing conditions and record information, prepare PDR in accordance with FAA guidelines.
- Assist with any necessary permitting, in particular with relation to NHESP as appropriate by project.
- Develop design documents suitable for bidding and construction including a Construction Safety and Phasing Plan.
- Construction Administration Services
- Full time resident inspection services for all aspects of construction
- Acceptance testing throughout construction and managing the closeout process
- Specify FAA AGIS attributes in bid documents and submit and upload FAA complaint AGIS as-builts at completion.
- Develop detailed phasing plans for review.



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## 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. Highlight experience and expertise for major sub-consultants and their assigned staff. Familiarity with public construction procurement under MGL Ch. 30 and demonstrated ability to design to FAA specifications and requirements.
- (2) Project understanding and proposed technical approach for each project the firm would like to apply for, including QA/QC process during document preparation, cost management and scheduling capabilities, construction oversight, ability to plan and perform work with minimal disruption to airport operations,
- (3) Demonstrated experience in integrating and managing CIM/Civil 3D in the planning, design and construction. Experience of utilizing Lean Design & Construction (Last Planner System<sup>®</sup>, Scrum or other tools) to increase reliability and significantly improve projects and teams' performance,
- (4) Experience in sustainable and resilient airfield and infrastructure design and construction including experience with airfield features and project aspects that may reduce environmental impact and reduce waste, and measure and report quantifiable results,
- (5) Proposed approach to enhance diversity and inclusion of the project 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.

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

## Submission Schedule

- RFQ questions sent via email to [CPBidQuestions@massport.com](mailto:CPBidQuestions@massport.com)
- In the subject lines of your email, please reference **L1828 – Logan International Airport 2023 Airfield Capital Improvement Projects**
- Deadline for questions: **Thursday, June 15, 2023 @ 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 and on COMMBUYS ([www.commbuys.com](http://www.commbuys.com)) in the listings for this project.

EVENT	DATE/TIME
Solicitation: Release Date & Supplemental Package Available	Wednesday May 31, 2023
Consultant Briefing	Thursday June 8, 2023 at 9:00 A.M.
Deadline for submission of written questions	<b>Thursday June 15, 2023 at 12:00 PM (noon)</b>
Official answers published (Estimated)	Thursday June 22, 2023
Solicitation: Close Date / Submission Deadline	<b>Thursday, July 13, 2023 at 12:00 PM (noon)</b>

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

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## Submission Requirements

- Submission shall be:
  - Electronic via Bid Express (We will provide an overview of Bid Express in the next few slides)
  - Please be sure to download RFQ requirements in Bid Express and fully review prior to submitting your electronic statement of qualifications
  - **Upload ALL required documents listed in the RFQ in accordance with the instructions in Bid Express and in the RFQ. Failure to include all required materials or to provide materials in a format different than that specified may have a negative effect on the evaluation or result in disqualification.**
  - Click “Submit” button in Bid Express to review your response for completeness and to encrypt/submit your response electronically.
  - File naming convention:
    - MPA project #\_CompanyName-YY-MM-DD.pdf *Example: L1828\_Massport-23-07-13*

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects

## Consultant Briefing-Bid Express Info

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 ***including consultant procurement***
- 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 other material is available. Nor will Massport accept hard copy RFQs for these projects. Submission 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](#).

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects Consultant Briefing– Bid Express Info

← BUSINESS / BIDS & OPPORTUNITIES

## Capital Bids

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 ▾

PROJECT #	OPPORTUNITY TYPE	PROJECT TITLE	DUE DATE	ESTIMATE
<a href="#">M741</a>	Professional Consultant	Hoboc Pier Bulkhead Rehabilitation	6/8/2023	\$2,000,000
<a href="#">A447</a>	Professional Consultant	Third Party Commissioning Consulting Services FY23-25, All Massport-Owned and Operated Facilities	5/26/2023	\$1,000,000
<a href="#">A448</a>	Professional Consultant	On-Call Geographic Information System Consulting Services	5/25/2023	\$500,000
<a href="#">L1033</a>	Professional Consultant	Runway 27 Safety Area Improvements	5/18/2023	\$5,000,000
<a href="#">L1828</a>	Professional Consultant	O&E Maintenance Building	5/18/2023	\$2,000,000
<a href="#">M750</a>	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 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/>

# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects Consultant Briefing– Bid Express Info

**infotech**

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 (including consultants) 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>



# L1828 Logan International Airport 2023 Airfield Capital Improvement Projects Consultant Briefing– Bid Express Info

L1828 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 the navigation bar is a search bar with the text 'Search for Number, Code or Description' and a 'Reset Search' button. A 'Create Solicitation' button is also visible. The main content area displays a table of solicitations with columns for 'Solicitation', 'Status', and 'Due'. A blue arrow points to the row for 'L1740-C1 (GENERAL)'. The table contains 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	Closed	02/08/2023

Submit Qualifications under Required Document List

The screenshot shows the Bid Express website interface for a specific solicitation. The navigation bar is the same as in the previous screenshot. The main content area displays the 'General Info' section for the solicitation. The 'Number' is A447 RFQ PROFESSIONAL SERVICES. The 'Deadline' is 06/22/2023 12:00 PM EDT. The 'Auto Advertise' date is 05/18/2023 09:00 AM EDT. The 'Description' is Professional Consultant Services A447 TERM ROOF AND BUILDING ENVELOP ALL MASSPORT FACILITIES BOSTON-BEDFORD & WORCESTER MASSACHUSETTS MAY, 2023. The 'State' is Massachusetts and the 'County' is Suffolk. A map of the project location is shown below the description. The 'Project Solicitation Documents' section is also visible at the bottom of the page.



THANK YOU  
QUESTIONS?