A406 Integrated Master Schedule & Consulting Services Project Briefing

Logan International Airport East Boston, MA

03.15.24



Introductions

- Please enter your contact information in the Zoom Meeting chat window:
 - $^{\rm O}$ First and Last Name
 - Company
 - ° Email



Authority's Needs

The Authority is seeking qualified multidiscipline consulting firm or team, with proven experience to provide professional services including Program Management, site and construction logistics, virtual design and construction and LEAN Construction facilitation management, traffic simulations, construction simulations, program and project scheduling controls, and program and project cost controls expertise.



Authority's Needs

- FY24-FY28 CIP totaling over \$3.2B composed of hundreds of projects
- Many of these major projects are in **extremely close proximity** and share a **multitude** of interdependencies, including physical and managerial interdependencies
- The Authority is seeking a consultant who can support the visioning necessary to bring the many capital projects to life
- Aligning schematic designs/concept designs (i.e. general blocking), final designs and/or asbuilts, with construction phasing, logistics, and both micro and macro project schedules (i.e. level 2 or level 5 schedules)
- Seeking a firm or firms to provide cutting-edge Virtual Design and Construction ("VDC") 5-Dimensional BIM efforts ("5D")
- Provide dashboard-like reporting on defined key performance indices ("KPIs") between projects at the activity-level (scheduling level 4/5)



Scope of Services

- Develop a process for coordinating all major projects with each other.
- Develop an integrated schedule for various projects within Capital Programs' major programs at the Airport.
- Provide monthly status updates and **ensure alignment of critical milestones**.
- Develop an integrated VDC model that is easily rendered based on existing conditions and conceptual lacksquaredesigns for various projects within the program.
- **Establish QA / QC** processes for model and document review.
- Develop an **integrated 5D schedule/model** for various projects within the program. lacksquare
- Conduct regular meetings with team VDC leads to evaluate model progress and compliance with BIMxP.



Scope of Services

- **Incorporate traffic simulations** into the VDC model for site logistics and phasing decision support.
- **Collaborate** with design and construction management teams to create virtual mockups for specified project conditions.
- Advise on comprehensive logistics plans to address staging locations, delivery access, recommended temporary signage and contractor parking for various projects within the program.
- Provide advice on optimal phasing to minimize operational disruptions. \bullet
- **Conduct** a comprehensive risk assessment for the program.
- Facilitate **collaborative** co-location (**Big Room**) process. ${}^{\bullet}$
- Support LEAN and Last Planner Systems effort.
- Support the development of standards for construction phasing and logistics procedures

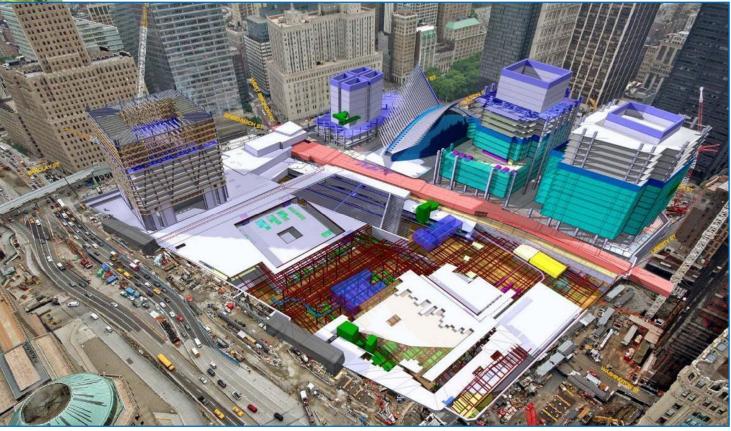


General Conceptual Images



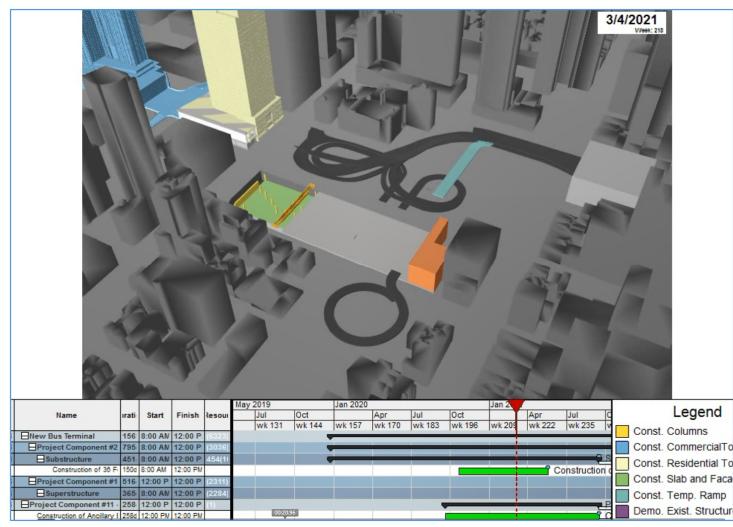
Above: Example of 4D animation (still frame image shown) making general assumptions of building timing and shape. Source: PMA Consultants, LLC., Columbia Construction Co.

Below: Example of an overlay showing VDC content and progress with GoogleEarth buildings and traffic conditions. Source: PMA Consultants, LLC., Lower Manhattan Development Corporation, Construction Command Center (LMCCC)



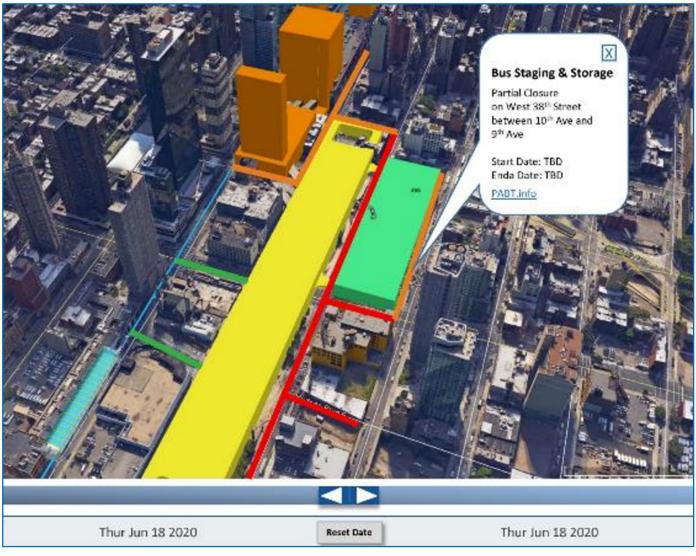


General Conceptual Images



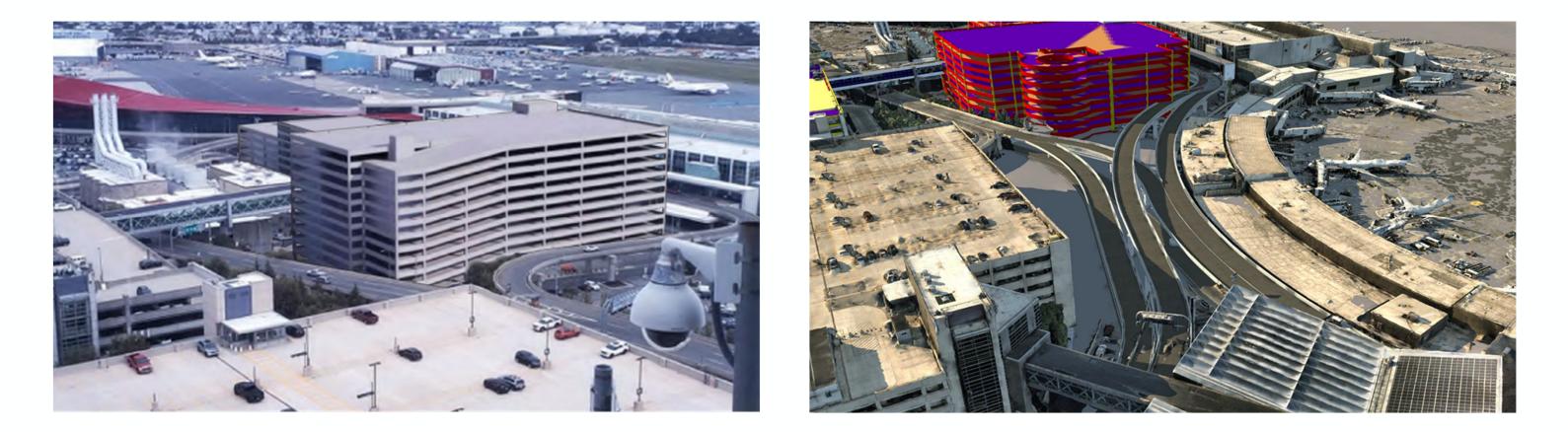
Above: Still frame example of 4D VDC content and progress with adjacent actual buildings and roadways, showing timescale, and blocking of other theoretical buildings. Source: PMA Consultants, LLC., Port Authority of New York and New Jersey, Bus Terminal Design Competition

Below: Still frame example of 4D VDC content and progress with adjacent actual buildings and roadways, blocking of other theoretical buildings, with roadway impacts. Source: PMA Consultants, LLC., Port Authority of New York and New Jersey, Bus Terminal Design Competition





General Conceptual Images



Above: Conceptual imagery of the future Terminal E Garage



Project Schedule Expectations

Key Take-Aways

- March 2024 CIP Board Approval & Consultant Briefing
- June 2024 Consultant Kick-off

- Summer 2024 Information Gathering & CoS
- Fall 2024 Efforts are Underway





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Fall 2024 Efforts are Underway

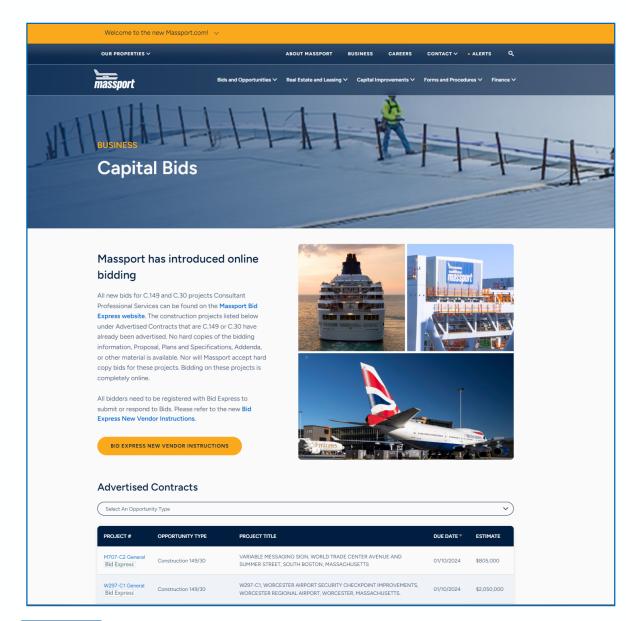
Evaluation Criteria

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

- Experience and knowledge of the team for similar projects of similar size and complexity particularly important to demonstrate for the (1)proposed Project Manager. Familiarity with Mass General Law, including filed sub-bid experience,
- 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,
- Demonstrated experience in integrating and managing BIM/VDC in the planning, design and construction. Experience of utilizing Lean (3) Design & Construction (Last Planner System[®], Scrum or other tools) to increase reliability and significantly improve projects and teams' performance,
- Proposed approach to enhance diversity and inclusion in the team. include the specific roles to be played by M/WBE and the extent to which such M/WBE involvement is anticipated as of date of the proposal submission.



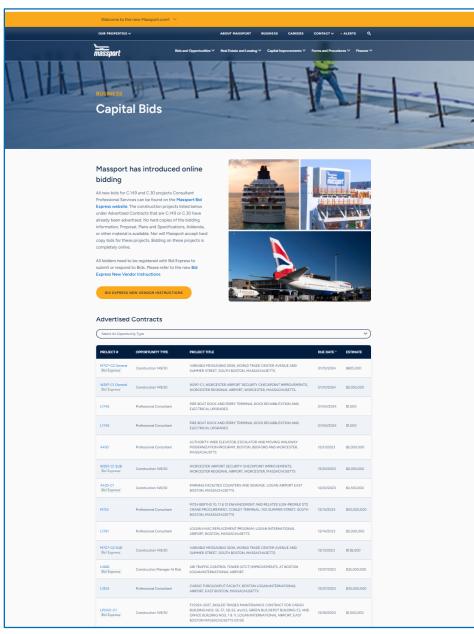
Bid Express Information



- Massport has introduced online bidding for all C.149, C.149a 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, C.149a and C.30 projects and Consultant Professional Services can be found on Bid Express https://www.bidexpress.com/



Bid Express Information



- The Professional Consultant RFQ's will be listed \bullet 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/



Bid Express Information

	infotech		
My Info		Welcome to Infotech [®] registration	
		Infotech is the home of valuable services for construction contracting only the services you need and get access from any computer, any	
First Name	Password		
Last Name	* Password Confirmation		
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praczkowski@massport.com	If you forget your password we'll ask you to verify this.		
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My Business			
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Phone	State		
(555) 565 5555 x55	\$*		
Address1	: Postal Code		
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I have read and agreed to Privacy Policy, Terms of Use, and DMCA Policy, and acknow nfotech uses any personal information I supply to Infotech, and I approve of these uses	wledge that I understand how		
eep 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 <u>Bid Express New Vendor</u> Instructions: https://infotechinc.zendesk.com/hc/enus/sections/12044610308375-Bid-Express-Vendors



Bid Express Information Submit Qualifications under Required Document List **Bid Express** Example: A447 RFQ listed below in Bid Express Bid Bond **Bid Expre** A bid bond form that j surety verification Downloadable attachment you provide, for the bidder, : of the solicitation. General Info Stats Contact Us Home Our Solicitatio Public Solicitations My Profile Number A447 RFQ PROFESSIONAL SERVICES Deadline Reset Searc Search for Number, Code or Des 06/22/2023 12:00 PM EDT Auto Advertise 05/10/2023 09:00 AM EDT lates Archives eate Solicitation 🛛 🗣 Description Professional Consultant Services A447 TERM ROOF AND BUILDING ENVELOP ALL MASSPORT FACILITIES BOSTON-BEDFORD & WORCESTER MASSACHUSETTS A447 RFQ PROFESSIONAL SERVICES 06/22/2023 😣 Draft MAY, 2023 Professional Consultant Services A447 TERM ROOF AND BUILDING EN Advertised 05/25/2023 LP2301 FY 24-27 PASSENGER BOARDING BRIDGES MAINTENANCE County AP2302-C1 (TERM) Draft 05/24/2023 🛛 😣 AP2302-C1 TERM INTERIOR BUILDING REPAIRS, BOSTON, BEDFOR AP2305-C1 (TERM) Advertised 05/03/2023 AP2305-C1, TERM CAULKING/SEALANT REPAIRS, BOSTON, BEDFOR L1740-C1 (GENERAL) Closed 04/26/2023 L1740-C1 (GENERAL) LOC CRAC UNIT REPLACEMENT, ONE HARBO. L1738-C1 Closed 04/19/2023 E1738-C1 ENERGY OPTIMIZATION PROGRAM – LOGAN AIRSIDE CHA. L1740-C1 (SUB) Closed 04/12/2023 L1740-C1 (SUB) LOC CRAC UNIT REPLACEMENT, ONE HARBORSIDE W308-C1 m 03/22/2023 Closed W308-C1 RUNWAY 11-29 REHABILITATION FROM STATION 48+20 TO L1709-C1 03/22/2023 Closed L1709-C1 2023 MISCELANEOUS AIRFIELD PAVEMENT IMPROVEMEN H288-C1 M Closed 03/08/2023 H288-C1 RUNWAY 5-23 (SOUTH OF RW 11-29) REHAB, LIGHTING AND. P2209-C1 (TERM) Closed 03/08/2023 AP2209-C1 FY2023-2026 TERM CONTRACT FOR ON-CALL AND EMER. MP2301-C1 (TERM) Closed 03/08/2023 MP2301-C1 (TERM) MARITIME PAVEMENT REPAIRS - TERM CONTRA. AP2304-C1R-(TERM) Closed 02/22/2023 AP2304-C1R TERM DOOR REPLACEMENT BOSTON, BEDFORD, AND L1645-C1 Closed 02/08/2023 Project Solicitation Documents

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Build Your Ov This is a custom 'Build Y component.	VII Er four Own' The inform component owner-ager the bid dead	ation supplied in this will be available to the noy immediately after line, but before the bid is opened.	Item List A list of biddable items. You defin the quantity, description and units	D	
				Edit	
Allow zero unit prices and labor? No					
Allow negative unit prices and labor? No					
Allow multiple bids per vendor for this solicitation? No					
Allow Electronic Signatures? Yes					
Allow vendors to ask questions? No					
Restricted? No					
Mark No	solicitation as an RFP?				
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Description					

Submission Requirements

- Each submission shall include a Statement of Qualifications that provides detailed information in response to the evaluation criteria set forth
- Include Architect/Engineer & Related Services questionnaires SF 330 (www.gsa.gov/portal/forms/download/116486) with the appropriate number of Part IIs
- Consultant shall provide a copy of M/WBE certification letter lacksquarefrom the Supplier Diversity Office for M/WBE and from the MassUCP for DBE, within its submittal
- Submission shall be
 - Addressed to Luciana Burdi, Intl. Assoc. AIA, CCM, MCPPO, • Director of Capital Programs and Environmental Affairs
 - Received no later than 12:00 Noon on Thursday April 18, 2024 •
 - Submissions via Bid Express • https://www.bidexpress.com/businesses/27137/home
 - Any submission which is not received by the deadline shall be • rejected by the Authority as non-responsive

- **RFQ Instructions for Electronic Submission:**
 - Electronic submissions will be via
 - Please refer to • how to submit an electronic RFQ submittal.
 - An SF 330 including the appropriate number of Part IIs,
 - Resumes of key individuals only each limited to one (1) page under SF 330, Section E,
 - No more than ten (10) projects each limited to one (1) page under SF 330, Section F,
 - No more than 3 sheets (6 pages) of information • contained under SF 330 Section H addressing the evaluation items, and
 - information.



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

https://www.massport.com/massport/business/bidsopportunities/capital-bids/ website for instructions on

No more than 2 sheets (4 pages) of other relevant material not including a 2-page (max.) cover letter, SDO certification letters, covers, dividers, and other required

Submission Schedule

- RFQ questions sent via email to <u>CPBidQuestions@massport.com</u>
- In the subject lines of your email, please reference A406 Integrated Master Schedule & Consulting Services
- Deadline for questions: Thursday, March 21, 2024 @ 12:00PM (noon)
- Questions and responses will be posted on the Capital Bid Opportunities webpage of Massport \bullet (http://www.massport.com/massport/business/bids-opportunities/capital-bids) as an attachment to the original Legal Notice and on COMMBUYS (www.commbuys.com) in the listings for this project.

EVENT	DATE/TIME	
Solicitation: Release Date & Supplemental Package Available	Wednesday, March 6, 2024	
Consultant Briefing	Friday, March 15, 2024 via ZOOM	
Deadline for submission of written questions	Thursday, March 21, 2024 at 12:00PM (noon)	
Official answers published (Estimated)	Thursday, March 28, 2024	
Solicitation: Close Date / Submission Deadline	Thursday, April 18, 2024 at 12:00PM (noon)	





THANK YOU QUESTIONS?