Project A466CX LOGAN SOUTH CARGO SOLAR MGL Ch.25A 11C Energy Management Services (EMS) Project Briefing

03.11.25

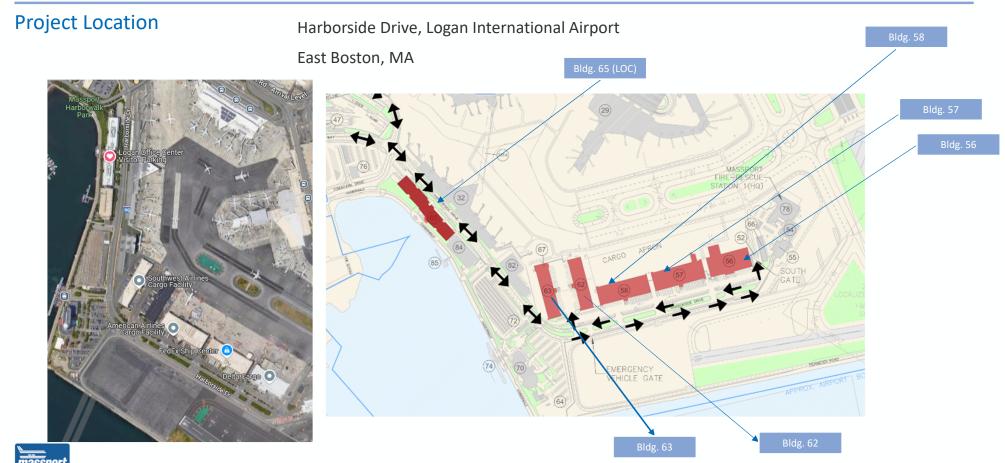


Project A466CX Logan South Cargo Solar Briefing

Introduction

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





Project Background

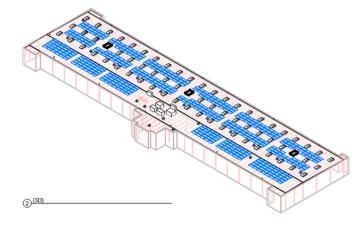
- Massport has a NetZero by 2031 goal
 - https://www.massport.com/environment/roadmap-tonet-zero
- Solar and Energy Efficiency are two important pathways to achieve goals for Massport
- New for Massport!
 - Procurement process developed using M.G.L. 25A 11C
 - Energy Management Services ("EMS") is similar to design/build
 - RFPs may include documents from study phase to 30% design
 - Must include scope that has energy or water savings
- Several more MGL Ch. 25A projects planned over the next five years

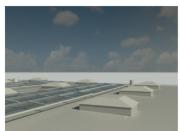




Project Background

- Studied solar PV on six buildings for solar photovoltaic systems, estimated capacity of 1.6-1.8MW DC
- Scope is divided into Energy Conservation Measures ECMs
- Project includes 10 ECMs:
 - 5 Required Base Solar ECMs
 - 1 Required Roof Replacement
 - 1 Required Add Alternative for Solar PV and Substation
 - 2 Required Add Alternatives for added maintenance/monitoring
 - 1 Optional Add Alternative for Battery Storage
- Services include
 - Design
 - Pre-Construction
 - Construction
 - Post-Construction
- Energy Savings Measurement & Verification, and Commissioning, included in services





Scope Summary: ECMs

ECM#	ECM # Required or Description		Building	Description – PV's are Estimated Size Range in kW- DC(AC)	Price- Proposal Type
ECM #2	ECM #2 Required Base Solar Photovoltaic System - Rooftop		Cargo Building 57	302-360 (265-289)	ECM Total Cost
ECM #3	Required Base	Solar Photovoltaic System - Rooftop	Cargo Building 58	373-404 (300-330)	ECM Total Cost
ECM #4	ECM #4 Required Base Solar Photovoltaic System - Rooftop		Cargo Building 62	253-280 (216-241)	ECM Total Cost
ECM #5	ECM #5 Required Base Solar Photovoltaic System - Rooftop		Cargo Building 63	261 -286 (216-241)	ECM Total Cost
ECM #6	Required Base	Solar Photovoltaic System – Rooftop	Logan Office Center	122-147 (100-120)	ECM Total Cost
ECM #10	Required Base	Roof Replacement	Cargo Building 63	~56,500 sq. ft.	ECM Total Cost
ECM #1/Add Alt.	ECM #1/Add Alt. Required Solar Photovoltaic System - Root New Substation		Cargo Building 56	255-312 (204-252)	ECM Total Cost
ECM #7/Add Alt	Coptional Alternative Deptional Alternative		Logan Office Center	Proposed – 150-200 -exact sizing may change	Mark-Ups Bid
ECM #8/Add Alt	Required Alternative	7 Additional years warranty and maintenance for solar**	Various	This is an additional cost added to ECMs 1-6.	Lump sum
ECM #9/Add Alt.	Required Alternative	7 Years of Software & Service for Metering/Monitoring Software**	Various	This is an additional cost added to ECMs 1-6	Lump sum

Notes:

- PV capacities are in ranges as different panel efficiencies or layouts could produce different capacities
- See RFP Article 2.1 for more information on Price Proposal Type



Project Scope: ECMs 2, 3, 4 – Required

- Solar Rooftop system.
- Preliminary design provided.
- Initial glare and structural studies completed.
 Proposer awarded project must resubmit for final design.
- Must ensure safe perimeter on building roofs for safety and pathways to equipment and through panels for maintenance.

ECM#	Required or Optional	Description	Building	Description – PV's are Estimated Size Range in kW- DC(AC)	Price- Proposal Type
ECM #2	Required Base	Solar Photovoltaic System - Rooftop	Cargo Building 57	302-360 (265-289)	ECM Total Cost
ECM #3	Required Base	Solar Photovoltaic System - Rooftop	Cargo Building 58	373-404 (300-330)	ECM Total Cost
ECM #4	Required Base	Solar Photovoltaic System - Rooftop	Cargo Building 62	253-280 (216-241)	ECM Total Cost



Project Scope: ECMs 5, 10 - Required

- Solar Rooftop system
- Roof replacement, should ensure work coordinated with solar, includes substation roof.
- Initial glare and structural studies completed.
 Proposer awarded project must resubmit for final design.
- Must ensure safe perimeter on building roofs for safety and pathways to equipment and through panels for maintenance.

ECM #	Required or Optional	Description	Building	Description – PV's are Estimated Size Range in kW- DC(AC)	Price- Proposal Type
ECM #5	Required Base	Solar Photovoltaic System - Rooftop	Cargo Building 63	261 -286 (216-241)	ECM Total Cost
ECM #10	Required Base	Roof Replacement	Cargo Building 63	~56,500 sq. ft.	ECM Total Cost









PHOTO 2: STEEL DUNNAGE ON ROOF AREA A.

PHOTO 3: SMOKE HATCH ON ROOF AREA A.







PHOTO 6: STEEL DUNNAGE ON ROOF AREA E

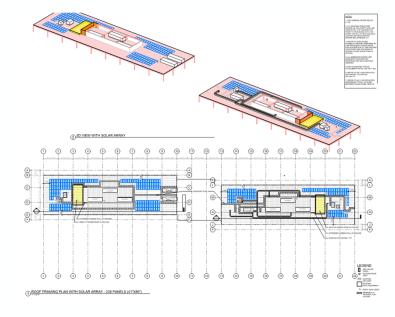


Project Scope: ECM 6 – Required; ECM 7 - Optional Add-Alt

- Logan Office Center (Bldg. 65)
- Solar Rooftop system
- Initial glare and structural studies completed.
 Proposer awarded project must resubmit for final design.
- Limited space resulting from HVAC replacement project.
 - o Coordination required with other project.
- Optional battery storage system
 - Proposers will provide cost of study/design and mark ups. Study will be provided by Proposers and then Massport will determine if it will move forward.



ECM #	Required or Optional	Description	Building	Description – PV's are Estimated Size Range in kW- DC(AC)	Price- Proposal Type
ECM #6	Required Base	Solar Photovoltaic System – Rooftop	Logan Office Center	122-147 (100-120)	ECM Total Cost
ECM #7/ Add Alt	Optional Alternative	Battery Storage and 8 years maintenance / full warranty	Logan Office Center	Proposed – 150-200 -exact sizing may change	Mark-Ups Bid



Project Scope: ECM 1 – Required Add-Alt

- Building 56, Solar Rooftop PV and New Substation
- Solar Rooftop system initial design provided.
- Initial glare and structural studies completed.
 Proposer awarded project must resubmit for final design.
- Building requires new substation as existing is at life and limited space for new equipment.
- Substation will be designed by awarded proposer who will determine the best approach that meets Massport's requirements.
 - Allowance is in Forms 2A.
- If cost effective solution cannot be determined, Proposer paid for preconstruction/design services pursuant to Contract Documents

ECM #	Required or Optional	Description	Building	Description – PV's are Estimated Size Range in kW- DC(AC)	Price- Proposal Type
ECM #1 / Add Alt.	Required Alternative	Solar Photovoltaic System - Rooftop & New Substation	Cargo Building 56	255-312 (204-252)	ECM Total Cost



Project Scope: All Solar Systems – Required Add-Alt

- Solar monitoring, maintenance, and full warranty for 7 additional years from substantial completion.
- 1 year included in base ECM.
- Additional manufacturer warranties required of certain systems pursuant to Contract Documents.
- See Section 10 of RFP for Operations and Maintenance template contract.

ECN	v1 #	Required or Optional	Description	Building	Description – PV's are Estimated Size Range in kW- DC(AC)	Price- Proposal Type
ECM Add		Required Alternative	7 Additional years warranty and maintenance for solar**	Various	This is an additional cost added to ECMs 1-6.	Lump sum
ECM Add		Required Alternative	7 Years of Software & Service for Metering/ Monitoring Software**	Various	This is an additional cost added to ECMs 1-6	Lump sum



Options!

Do you think your team can accomplish the project better, faster, and/or cheaper?

1. Proposals should be based upon designs provided for ECMs. In Forms 2A, place to provide **optional** adjustments to the concept design. Space provided in lines 39/40 of Form 2A:

	1 4 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
39	Does the Proposer recommend any changes to the project? (Y/N)	N	N
40	If changes are recommended please provide an estimated change in cost to the base project fout in negative for decrease in costs?	\$0.00	\$0.00
41	GMP Including Recommended Changes:	\$0.00	\$0.00

2. Also, for ECMs 1-5 only, see **optional** ECMs below.

Add Alt: Proposer Option #1P, 2P, 3P, 4P, 5P	Optional Alternatives for ECM #1-5	Example: #2P - Proposal Alternative Design/System for ECM #2	Only for Solar PV	The proposer has the option to bid these Solar PV ECMs as Mark-Ups Bid in addition to required base, if they propose to significantly alter design. Massport has full authority to accept or reject this option. This option must still meet all the requirements in the base design.	Mark-Ups Bid
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3. Proposers should use their Proposal to discuss what advantages or other changes these options might provide.



RFP Components

Section 1	RFP and SUBMISSION INSTRUCTIONS
Section 1A	RESPONSE CERTIFICATION FORM
Section 2	PRICE PROPOSAL ASSURANCES FOR A466CX
Section 2A	PRICE PROPOSAL FORMS
Section 3	AFFIDAVIT OF PREVAILING WAGE COMPLIANCE
Section 4	ENERGY MANAGEMENT SERVICES AGREEMENT (EMSA)
Section 5	Not Used for this RFP (If used LIMITATIONS OF OPERATIONS AND MILESTONES for airside)
Section 6	DIVISION I: GENERAL REQUIREMENTS AND COVENANTS
Section 7	DIVISION IIA: SPECIAL PROVISIONS – MINORITY/WOMEN OWNDED BUSINESSES (M/WBE)
Section 8	DIVISION IIB: SPECIAL PROVISIONS
Section 9	Not Used for this RFP (if used - DIVISION IIC: SPECIAL PROVISIONS – FEDERAL CONTRACT REQUIREMENTS AND FEDERAL WAGE RATES)
Section 10:	Post Construction Services Contract
Appendix A	DRAWINGS (PDF and CAD)
Appendix B	DIVISION III –TECHNICAL SPECIFICATIONS
Appendix C	REFERENCE DOCUMENTS, REPORTS, STUDIES, FORMS
***	H f D : WARCON II D : WARCON

^{*}Note for Appendices all references to Project #A466C1 are the same as Project #A466CX.



Moving Forward & Schedule

• <u>Technical Oversight Team</u>

- Canton Design Consultants
- Gale Associates
- o IMEG
- o Cadmus
- Oversight team to support Massport by...
 - Assistance with conformance with Massport technical standards and specifications
 - Assistance with design review as/if necessary
 - Assistance with review of energy measurement and verification, commissioning, and post construction services
 - Assistance with construction administration/oversight

Major Milestones

- Execute Contract Design and Construction Services
 - Summer 2025
- Begin Preconstruction Services/Design
 - Summer 2025
- Begin Construction
 - Fall 2025
- Substantial Completion
 - Winter 2026/Spring 2027
- Project Final Completion
 - Spring 2027
- Post-Construction Services
 - 1-8 years from substantial completion



Important Reminders

- Logan International Airport has strict and specific security, access, and other protocols required
 of designers and contractors. Please carefully review the Contract Documents, including Division
 I & Division IIB
- Definitions located in RFP Article 1.3.1 and Division I Section 6
- The Energy Management Services Agreement (Section 4) has additional details on design requirements of this project, including Exhibit T
- Price Proposal Forms in Section 2A should be reviewed early. Please follow the instructions on the forms. Please send any questions on these excel sheets to CPBidQuestions@massport.com by the Q&A deadline
- Please review the minimum qualifications on Section 4.1 of RFP



Submission Requirements

The respondents must include in their submission seven (7) PDF files, and one MS Excel file (8 total). Please review Article 3.3 & 3.4 of the Request for Proposals for the Electronic Submission Requirements.

Technical Proposal Part 1:

- Cover Page
- Table of Contents
- Signed Cover Letter & Executive Summary – Signed
- Project Understanding
- Prior Experience of Firm(s)
- Organization of the Project Team and Experience of Key Personnel

Technical Proposal Part 2:

- Cover Page
- Table of Contents
- Energy Management Services Technical Approach
 - a. Preliminary Drawings

Technical Proposal Part 3:

- Cover Page
- Table of Contents
- Management Approach
- Quality Control/Quality Assurance Program and Procedures
- Project Schedule and Cost Control Approach
- Project Risks



Submission Requirements Continued

The respondents must include in their submission seven (7) PDF files, and one MS Excel file. Please review Article 3.3 & 3.4 of the Request for Proposals for the Electronic Submission Requirements.

Technical Proposal Part 4:

- Cover Page
- Table of Contents
- Lean Experience and Approach
- Other Experience and Approach as Applicable
- Discussion of VDC Experience
- Sustainability
- M/WBE Compliance and Approach
- Safety Record and History

Technical Proposal Part 5 – CONFIDENTIAL:

- Cover Page
- Table of Contents
- Overview of General Business Financial Information
- Litigation and Termination History

Technical Proposal Part 6:

- Cover Page
- Table of Contents
- Certificate of Eligibility DCAMM
- DCAMM Update Statement
- Affidavit of Prevailing Wage Compliance
- Letter from a Surety Company
- Response Certification Signed (Section 1A)



Submission Requirements Continued

The respondents must include in their submission seven (7) PDF files, and one MS Excel file. Please review Article 3.3 & 3.4 of the Request for Proposals for the Electronic Submission Requirements.

Price Proposal Part 1 (Part 7):

 PDF document of total price proposal workbook including Price Proposal Assurances and Price Proposal Forms.

Price Proposal Part 2 (Part 8):

 Microsoft Excel file to match the PDF of the Price Proposal Forms

- The Respondent's Price Proposal (Sections 2 and 2A) shall be Parts 7 & 8 of the RFP Submission. Pleas read instructions.
- Provides values and estimates for the various scopes of work, establishes a not-toexceed amount for Preconstruction/Design Services, and the mark-ups that will be used for the work orders in the Energy Management Services Agreement.
- Yellow portions of forms are for Proposer entry. All other cells are pre-populated or self calculating. Proposer must confirm all self calculating fields.
- The Price Proposal Forms also include Energy Savings Calculations and financial metrics that will be used in the evaluation. The forms also establish the cost of post-construction services.
- The awarded Proposers forms will be inserted into the EMSA and will be used pursuant to Contract Documents.



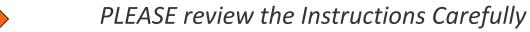
Submission Requirements Continued

- Submission shall be:
 - "Signed under the pains and penalties of perjury" stated clearly in the cover letter in addition please submit Form in Section 1A
 - Electronic via Bid Express (We will provide an overview of Bid Express in the next few slides)
 - Please be sure to download RFP requirements in Bid Express and fully review prior to submitting your electronic statement of proposals
 - Upload ALL required documents listed in the RFP in accordance with the instructions in Bid Express and in the RFP. 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:

Project #_Company Name_ RFPA466CX_RFP Part xx.pdf

Example for Part 1: Company Name_RFPA466CX_ RFP Part 01.pdf (or .xls)







Evaluation Criteria & Selection Process

Massport intends to develop a shortlist of qualified EMS Contractor teams to be subsequently be evaluated for selection.

- o Final selection may or may not include an interview process.
- o Please review Article 4.0 of the Request for Proposals including points associated with these criteria.

The shortlist of EMS Contractor teams will be based on the following technical evaluation criteria. Price Proposals opened for those shortlisted.

TECHNICAL EVALUATION CRITERIA

- a) Project Understanding
- b) Prior Experience of firm(s)
- Organization of Project Team and Experience of Key Personnel
- d) Energy Management Services Technical Approach
- e) Management Approach
- f) Quality Control/Quality Assurance Program and Procedures
- g) Project Schedule and Cost Control Approach
- h) Project Risks
- i) Lean Construction Experience and Approach
- i) Other Evaluation Factors
 - Virtual Design Experience and Approach
 - Sustainability Approach
 - Safety Management Plan, Record, and History M/WBE and Compliance Requirements & Approach
 - Financial status, including bonding capacity.
 - · Litigation and Performance/Termination History

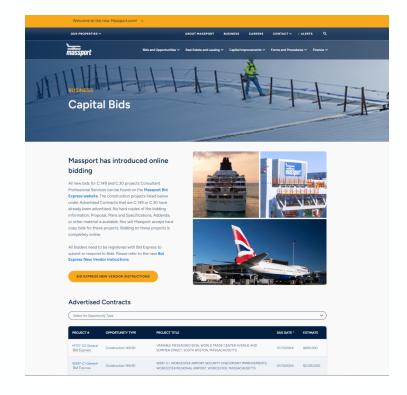
PRICE PROPOSAL EVALUATION CRITERIA

- a) Guaranteed Maximum Price (based upon Mark Ups in Section 2A forms) of Base Project
- b) Financials associated with Alternatives/Options
- c) Fees for Pre-Construction/Design
- d) Energy Savings/Revenue
- e) Payback & other financial analyses



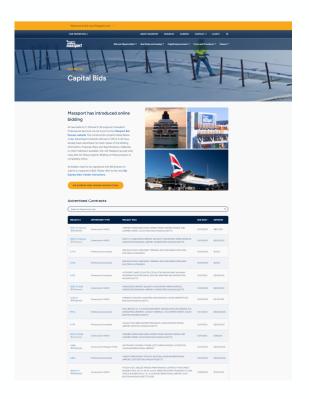
BidExpress Information

- Massport has introduced online bidding for all C.149, C.30, C. 25A and C.149A projects
- 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.30, C. 25A and C.149A projects and Consultant Professional Services can be found on Bid Express https://www.bidexpress.com/ and a listing on the Massport Bid Express website.





BidExpress Information

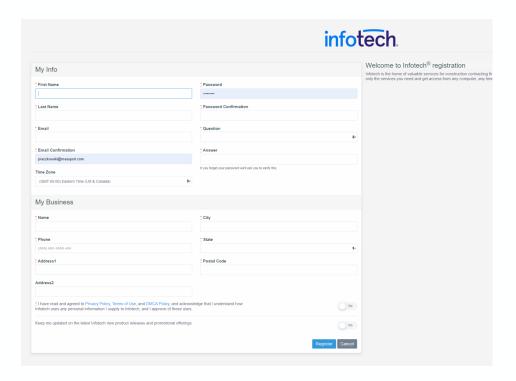


RFP's will be listed under the appropriate project # and Project title on the Massport website: https://www.massport.com/massport/business/bids-opportunities/capital-bids/ and on Bid Express.

Please submit qualification via Bid Express https://www.bidexpress.com/

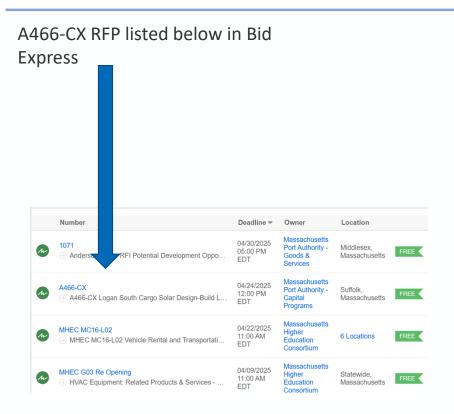


BidExpress Information

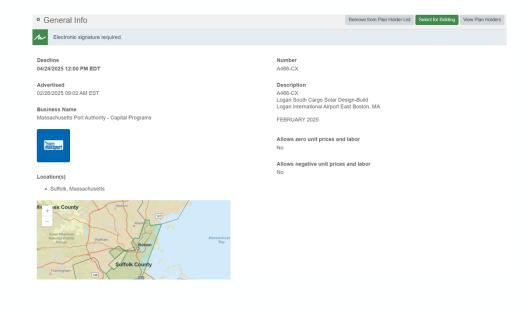


- All bidders need to be registered with Bid Express to submit or respond to Bids.
 - https://www.infotechexpress.com/registration/new
- Please refer to the new <u>Bid Express New Vendor</u> <u>Instructions</u>: <u>https://infotechinc.zendesk.com/hc/en-us/sections/12044610308375-Bid-Express-Vendors</u>



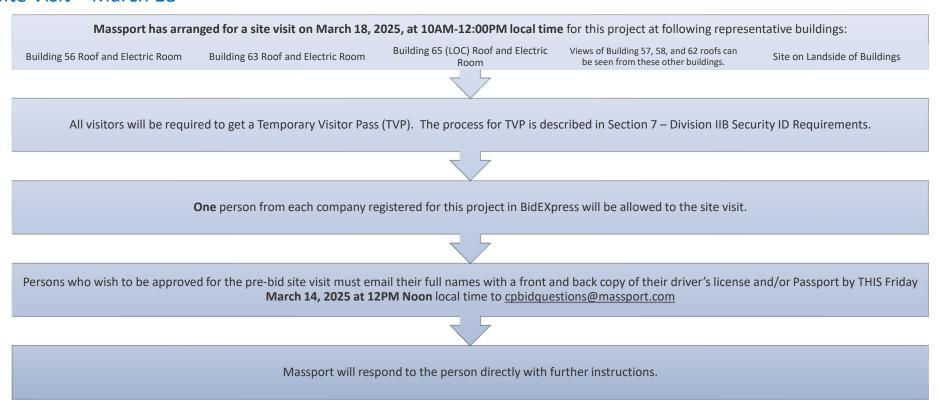


Submit Proposals under Required Document List





Site Visit – March 18





Submission Schedule

- RFP questions sent via email to CPBidQuestions@massport.com
- In the subject lines of your email, please reference A466CX Logan South Cargo Solar
- Deadline for questions: March 28, 2025, by 12PM Noon EST
- 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) in the listings for this project.

EVENT	DATE/TIME
Solicitation: Release Date & Supplemental Package Available	Wednesday, February 26, 2025
EMS Contractor Briefing	Tuesday March 11, 2025 at 9:00am via ZOOM Link: https://massport.zoom.us/j/88909788423 Meeting ID: 889 0978 8423
Deadline for submission of written questions	Friday, March 28, 2025 at 12:00 PM NOON EST
Official answers published (Estimated)	April 11, 2025
Solicitation: Close Date / Submission Deadline	April 24, 2025, at 12:00PM Noon EST



THANK YOU QUESTIONS?

