

Administration and Finance
Information and Technology Service



Request for Bids

Woods-Mullen Shelter Infrastructure Upgrade

Project No. IT-010-21

Introduction

Invitation to interested, Responsible and Competent Persons or Firms Engaged as Cisco Authorized reseller to apply and respond to a Request for Bids for The Boston Public Health Commission.

The Boston Public Health Commission, acting through its Information Technology Services Department invites competent persons, firms or corporations to apply for a request for bids for the replacement, configuration and installation of Cisco network infrastructure equipment and to perform such work in coordination with BPHC Officials as it relates to the enclosed Scope of Work.

Copies of the application and related contact documents may be obtained on line at: www.bphc.org/RFP on March 15, 2021

2 Sealed Bids Must Be Submitted Directly To: Informational Technology Services of The Boston Public Health Commission 1010 Massachusetts Avenue 2nd Floor, Boston, MA 02118. Applications must be in a sealed envelope. The front of the envelope must be labeled “**Woods-Mullen Infrastructure Upgrade**”.

Submission for such work will be accepted until March 31, 2021 at 2:00pm

LATE BIDS WILL NOT BE ACCEPTED

Invitation to Bid

The Boston Public Health Commission acting by its Division of Information Technology, 1010 Massachusetts Avenue, Boston, MA hereinafter referred to the awarding authority, invites bids for:

Project title: Woods Mullen Network Infrastructure Upgrade

Project location: 794 Massachusetts Ave, Boston MA

Project number: IT-010-21

On site walk through: March 18, 2021 10:00am

Bid Deadline: March 31, 2021 2:00pm

Bid Requirements:

1. All prevailing wage laws will apply. The BPHC reserves the right to disqualify any or all bids based on either price or past performance.
2. Any person submitting a bid for, or signing a contract to work on, a public building or public works project must certify under pains and penalties of perjury that he or she is able to furnish labor in harmony with all other elements of labor employed on the work and that all employees employed on the worksite, or in subject to the bid; And have successfully completed at least ten hours of OSHA approved training
3. All Bidders must comply with the mandatory site visit, 794 Massachusetts Ave, Boston MA. Failure to attend a site visit shall result in disqualification. BPHC reserves the right to accommodate make-up site visits.
4. Boston Public Health Commission is not responsible for the UPS, or other delivery arrangements delays. Contractor is the sole responsible of submitting bids to the Awarding Authority in time/no exceptions.
5. 5% Bid deposit submissions is required for this project.
6. 100% Payment Bond is required for this project.
7. DCAM certification submissions are required for this project.
8. Contractor shall be insured. A Certificate of insurance shall be produced during contractual documentation, and the Boston Public Health Commission shall be named on certificate. Contractor is required to submit Payment & Performance Bond in the amount of 100% the proposed work at the time of contractual documentation is requested.
9. 2 sealed bids per company should be sent to:
Boston Public Health Commission c/o Information Technology
1010 Massachusetts Avenue 2nd Floor
Boston, MA 02118
By March 31, 2021 2:00pm

* The Boston Public Health Commission is not responsible for mailing delays, please send bids out in advance to arrive by the specified date.

FAILURE TO FOLLOW THE ABOVE WILL DISQUALIFY ANY BID SUBMISSIONS.

Instruction to Bidders

Prevailing Wages

Bidders are hereby notified that this project is subjected to M.G.L. C.149 s.27 and in accordance contractors must pay prevailing wages asset by the Commissioner of Labor and Industries. **Prevailing Wages schedules attached.**

Payment Bond

Bidders are hereby notified that a payment bond of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the Awarding Authority, and in the sum of 100% of the contract price will be required of the successful bidder.

Bid Deposit

Bidders are hereby notified hat bid deposits must be 5% of his/her bid and shall be in the form of a bid bond, or certified check memo, treasurer's check, or cashier's check made payable to the Boston Public Health Commission.

Send to:
Boston Public Health Commission c/o
Information Technology
1010 Massachusetts Avenue 2nd Floor
Boston, MA 02118

Insurance Requirements

1. Commercial General Liability Coverage and Limits:

Do not restrict the coverage provided in the form by any endorsement including: Premises-operations, personal injury-advertising injury, product liability- completed operations, and contractual liability.

Limits:

General aggregate – Per project	\$ 1,000,000.00
Products/Completed Operations Aggregate – Per Project	\$ 1,000,000.00
Personal and advertising Injury	\$ 1,000,000.00
Each Occurrence	\$ 1,000,000.00
Fire Damage Legal Liability	\$ 50,000.00
Medical Expenses (each individual)	\$ 10,000.00

Additional Insured: Owner shall be added as an additional insured.

2. Workers Compensation & Employers Liability Coverage and Limits:

Workers Compensation: Statutory coverage for all States of Operation.

Employer Liability:

Each Accident:	\$ 1,000,000.00
Aggregate for Disease	\$ 1,000,000.00
Disease for Employee	\$ 1,000,000.00

3. Commercial Automobile Liability Coverage and Limits:

Provide coverage for all owned, non-owned, leased and hired vehicles.

Bodily Injury-Property Damage, Combined Single Limit: \$ 1,000,000.00

4. Commercial Umbrella Coverage and Limits:

Each Occurrence \$ 5,000,000.00

Annual Aggregate per project \$ 5,000,000.00

Questions

Any questions and/ or clarifications must be received 72 hours prior to the bid date. (By 3/26/2021 at 4pm) Request must be submitted via e-mail to psharma@bphc.org and mmacdougall@bphc.org with a subject title:

W | Clarification

Bidding Documents

- **Bid Form**
- **Wage Rates**
- **DCAMM Certificate**
- **100% Payment and Performance Bond**
- **5% Bid Bond**
- **Sub Systems locations**

Scope of Work

- A. Cat 6A, Fiber Optic, Full Floor Rack & Patch panels, Cisco Switches, UPS, Meraki Wi-Fi 6, Axis CCTV cameras, card access, PA speakers, classroom audio/video system and Cisco IP Phones (IT)
- a. Supply and install CAT 6a cabling and 6 to 8 jacks per wall and roof on 1st floor, 4th Floor and 5th floor.
 1. CAT 6a cabling needs to run from RJ45 jacks to an IDF in existing Woods Mullen 1st floor IDF
 2. CAT 6a cabling needs to run from 4th floor RJ45 jacks to a new IDF (IT room) at 4th floor
 3. CAT 6a cabling needs to run from 5th floor RJ45 jacks to a new IDF (IT room) at 4th floor
 4. Replace all existing RJ45 jacks CAT cabling with new CAT 6a cabling at 1st floor, 4th floor and 5th floor
 5. Install RJ45 jacks and run CAT 6a cable for wall mounted phones from common area walls to new and Existing IDF
 6. Install and run all CAT 6a cabling from ceiling roof to respective new or existing IDF's for WIFI access points
 7. Install and run CAT 6a cabling for all PA speakers to respective new or existing IDF's
 8. Install and run CAT 6a cabling for classroom TV monitor, and Microsoft surface hub
 - b. Supply and install multi-mode, 12 strand fiber optic runs Manufactured by Corning Cable Systems or approved comparable products: New multi- mode fiber optic to MDF.
 1. From fourth floor IT room (New IDF 4th Woods Mullen) to second floor IT Room Finland bld. (MDF)
 2. Contractor is responsible for the confirming dimensions. For the purpose of this bid
 3. Contractor shall add 25 linear feet of fiber optic at each (total add-on of 50')
 - c. Supply and install one (1#) Full Floor Racks. Includes DC fans; to be install at 4th floor IT Rm.
 - d. Supply and install three (3#) flush mount angled modular patch panel accepts up to 48 keystone modules to be installed at 4th floor New IDF IT Rm.

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- e. Supply and install two (2#) 48 port Cisco POE switches to be install at 4th floor New IDF IT Rm. The switch must include the following:
1. 1 C9300-48U-E Catalyst 9300 48-port UPOE, Network Essentials
 2. 1 CON-SSSNT-C93004UE SOLN SUPP 8X5XNBD Catalyst 9300 48-port UPOE, Network Essentials
 3. 1 STACK-T1-50CM 50CM Type 1 Stacking Cable
 4. 1 C9300-DNA-E-48-3Y C9300 DNA Essentials, 48-port - 3 Year Term License
 5. 1 PWR-C1-1100WAC/2 1100W AC Config 1 Secondary Power Supply
 6. 1 CAB-SPWR-30CM Catalyst Stack Power Cable 30 CM
 7. 1 C9300-NM-8X Catalyst 9300 8 x 10 SFP+ Network Module
 8. The acquisition of the Cisco switch and installation, configuration must be executed by an authorized Cisco reseller.
 9. Warranty – Shall be provided by Cisco, Limited lifetime warranty.
 10. There is a standard full 1-year workmanship coverage for public work, Boston Public Health Commission included.
 11. General Cisco maintenance shall be conducted by other.
- f. Supply and install one Vertiv™ Liebert® GXT5 UPS, with a capacity of 2000VA/1800W, is a 2U compact UPS. UPS must be installed and configured by Vertiv reseller.
1. Install UPS at the 4th floor new IDF (IT) room
 2. Install and configure UPS inside the IDF full floor rack
 3. Below are the modules to be included.
 - i. 1, GXT5-3000LVRT2UXL
 - ii. 1, MP2-115A
 - iii. 1, MP2-120C
 - iv. 1, 2POSTRMKIT
 - v. 2, PAPGXT-BATT
 - vi. 1, PAPGXT-1K3KRLF
 - vii. 1, SN-T
 - viii. 1, RDU101
 - ix. 1, GXT5-EBC48VRT2U
- g. Supply and install Meraki Wi-Fi 6 (802.11ax) with Multigigabit Ethernet access points on 1st floor, 4th floor and 5th floor.
1. Contractor or sub-contractor should conduct pre- and post-RF survey with heat maps to determine number of access points needed to be installed on 1st floor, 4th floor and 5th floor
 2. Install and configure Meraki MR56 access point on ceiling roof of 1st floor, 4th floor and 5th floor

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3. All new access points should be configured with the existing Meraki mesh network
 4. All new Meraki access points must connect to the new CAT 6a cables which should run to respective IDF's
 5. The contractor or sub-contractor should be Meraki certified reseller
- h. Supply and install Axis Network Security cameras at 1st floor, 4th floor and 5th floor.
1. The network security camera should be a mix of various cameras such as multidirectional cameras with PTZ, fixed dome cameras and PTZ cameras
 2. All cameras should be configured with the existing City of Boston Genetec system
 3. Include 1-year Genetec license and maintenance support for each camera
- i. Supply and install card reader at 1st floor, 4th floor and 5th floor doors. Configure all card readers to an existence BPHC card system.
1. Install and configure card readers at 1st floor: 1 Main entrance; 1 Kitchen storage room; 1 large storage room
 2. Install and configure card readers at 4th floor, 1 linen/mop room
 3. Install and configure card readers at 5th floor, 1 large storage room: 1 laundry/storage room
 4. Install and configure 16 Port Panel for the card readers
 5. Install and run cable from all card readers devices to the new 16 port panel
- j. Supply and install AtlasIED PA speakers at 1st floor, 4th floor and 5th floor. In addition, replace existing PA Speakers at 1st floor, 2nd floor, and 3rd floor.
1. Install and configure AtlasIED IPX Series IP-SDM indoor wall mount IP speaker with display and talkback speakers
 2. Configure AtlasIED IPX Series IP-SDM speakers to the Singlewire software system
- k. Supply and install Audio/Video system and classroom furniture at 5th floor training/classroom.
1. Install and configure Crestron system which will include presentation systems, video, audio and enterprise management system
 2. Install and configure Microsoft Surface hub on the classroom wall
 3. Install and configure 60-inch TV monitor integrated with Crestron system and cable tv on the adjacent classroom wall
 4. Install next generation student furniture for training/classroom at 5th floor

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- l. Supply and install 30 Cisco IP phones in offices and common areas at 1st floor, 4th floor and 5th floor.
 1. Install Cisco IP Phone 8841 for offices at 1st floor, 4th floor and 5th floor

 - m. Install wall mounted Viking IP phone at common areas at 1st floor, 4th floor and 5th floor.
 1. Install Viking IP Phone model (K-1900-8-IP) Vandal Resistant VoIP Panel Phone with 36" Armored Handset Cable, Internal Lanyard, Keypad, and Enhanced Weather Protection at common area walls for client use
 2. Replace and install existing common area IP phones at 1st floor, 2nd floor, and 3rd floor with Viking IP Phone model (K-1900-8-IP) Vandal Resistant VoIP Panel Phone with 36" Armored Handset Cable, Internal Lanyard, Keypad, and Enhanced Weather Protection at common area walls for client use

B. General Notes

- a. Contractor to cover the time and material for terminating, patching, testing all CAT 6a's / low voltage, CCTV, PA, classroom audio/video system, Wi-Fi access points, switches, UPS, IP phones and card access cables at the IT Room
- b. Boston Public Health Commission may choose all or select parts of this project based on Budget
- c. All specified products should be installed by certified resellers

End of Scope

Bid Form – Please Use

Name of Company: _____

Address: _____

Telephone #: _____ Fax #: _____

Email: _____

Licensed Number & Type: _____

Please submit prices for all applicable sub-systems in an excel spreadsheet and attach to this quote form. Please write in N/A if not

a. Woods Mullen Network Infrastructure Upgrade

\$ _____ Dollars

Spell out Cost: _____

_____ Dollars

Company Representative _____

Signature _____

Date: _____