



City of San Antonio

Agenda Memorandum

File Number:

Agenda Item Number: 18

Agenda Date: December 12, 2023

In Control: City Council A Session

DEPARTMENT: Public Works Department

DEPARTMENT HEAD: Razi Hosseini

COUNCIL DISTRICTS IMPACTED: Citywide

SUBJECT:

Job Order Contract (Task Order): Emergency Operations Center (EOC) Brooks Data Center Redundant Cooling Computer Room Air Conditioning (CRAC) Unit Replacements

SUMMARY:

An ordinance approving task order to a Job Order Contract with HJD Capital Electric Inc. in the amount of \$2,177,979.64 for the replacement of water-cooled units at the Emergency Operations Center Brooks Data Center Redundant Cooling Computer Room Air Conditioning (CRAC) Unit Replacements project. Funds are available from previously authorized Tax Notes.

BACKGROUND INFORMATION:

Project Background

The City of San Antonio's Brooks Data Center, located within the Emergency Operations Center, serves as a redundant data center. The data center currently houses critical servers, storage, and network equipment required to operate multiple public safety systems, SAP, FileNet, and additional software/data interfaces necessary for interacting and serving the City's residents.

There are currently four (4) Liebert water-cooled units that are encroaching on their life span of twenty (20) years. Several noted failures of the chilled water systems have driven temperatures

well above the acceptable range for the safe operation of the City's data infrastructure.

As the Frio Data Center is decommissioned, the Brooks Data Center will serve as the City's solely owned Data Center. As part of this transformation, there have been a significant amount of design and engineering services to plan for and provide a more robust and dedicated cooling system. These designs call for minimal interruption and intrusion to the building with the eventual replacement of the four (4) water cooled units with seven (7) dual cooled (air and water) units. Additionally, ITSD will also replace two (2) CRAC units within rooms that house the uninterruptible power supply equipment.

This project will provide the services to install the new CRAC units and improve the cooling for the City's solely-owned Data Center.

Procurement of Services

This task order utilizes the Job Order Contracting (JOC) approved through Ordinance 2022-02-17-0107 by the City Council on February 17, 2022. Using the JOC delivery method provides the City with on-call construction, renovation, and maintenance services for City buildings and facilities. Assignment of JOC contractors to specific jobs is based on the contractor's current workload, overall capacity, familiarity with a particular facility, expertise in completing a specific task and/or managing a specific trade needed to perform the requested repair or rehabilitation. Of the eight contractors approved as part of the JOC, HJD Capital Electric Inc. is the JOC that has been selected.

This contract will be awarded in compliance with the Small Business Economic Development Advocacy (SBEDA) Program, which requires contracts to be reviewed by a Goal Setting Committee to establish a requirement and incentive unique to the particular contract to maximize the amount of small, minority, and women-owned business participation on the contract. The Goal Setting Committee set a 24% Minority/Women Business Enterprise (M/WBE) subcontracting goal and a 3% African American Business Enterprise subcontracting goal. HJD Capital Electric Inc. has committed to meeting the subcontractor participation and goals.

The Contracts Disclosure Form is attached, as required by the City's Ethics Ordinance for all projects where subjective criteria are used to select the contractor or consultant rather than by low bid.

ISSUE:

This ordinance approves a task order to a Job Order Contract with HJD Capital Electric Inc., in the amount not to exceed \$2,177,979.64, for the replacement of water-cooled units at the EOC for the EOC CRAC Redundancy project.

This task order will provide the removal and replacement of the existing CRAC water cooled equipment and replace it with dual cooled units (air and water) to allow redundancy. Construction is anticipated to begin in Winter 2024 and is estimated to be completed by Winter 2025.

The Emergency Operations Center and the Brooks Data Center will remain open while

construction is underway. The project is not expected to have a measurable impact on City services provided by staff working at the location.

ALTERNATIVES:

As an alternative, this project could be delivered utilizing another delivery method. However, considering the additional time required for the solicitation process, this would adversely affect the project's timely completion.

FISCAL IMPACT:

This ordinance approves a one-time capital improvement expenditure in the amount of \$2,177,979.64 payable to HJD Capital Electric Inc. for the replacement of water-cooled units at the EOC for the Emergency Operations Center Brooks Data Center Redundant Cooling Computer Room Air Conditioning (CRAC) Unit Replacement project. Funds are available from previously authorized Tax Notes.

RECOMMENDATION:

Staff recommends approval of a task order to a Job Order Contract with HJD Capital Electric Inc., in the amount of \$2,177,979.64 for the completion of the Emergency Operations Center Brooks Data Center Redundant Cooling Computer Room Air Conditioning (CRAC) Unit project.