Title: Justice Center Chiller Replacement Engineering  RFQ ☑ RFP  ☐ RFQ/RFP #: 19-025
Dept: Construction Management  Contact Person: Christine M. Saldaña  Ext.: 1890

Description (service, justification and use):

This proposal provides the design and engineering cost to replace the one original chiller, an original cooling tower, and the circulation pumps in the Justice Center. The original chiller is over 32 years old, with the typical life-expectancy of a chiller being 20 years, proper maintenance has enabled the County to achieve 32 years of operation from the original chiller, cooling towers and circulation pumps. The Criminal Justice Center currently has two chillers to provide cooling to the facility, with chiller two being replaced 12 years ago. If chiller one fails, proper cooling of the facility could not be achieved, and could result in a costly chiller rental to provide proper cooling during summer months. Additionally, given the numerous changes to the building and the mechanical operations over the last 30 years, the engineering will ensure the proper sizing and operation of the cooling system in conjunction with existing equipment and infrastructure. The proposal includes the design and specifications for the new chiller, cooling tower, circulation pumps, and controls. The bid specifications, bid review, construction administration, and commissioning are also included in the proposal.

The Justice Center was not originally designed to have year-round cooling and the building becomes quite warm on mild winter days. An additional part of the engineering scope will provide design and engineering for year-round cooling to address this issue. This solution requires the prevention of water freezing in the air handlers when cooling is not needed. It also requires heaters in the cooling tower basin and along the cooling tower piping for freeze protection.

Lastly, the proposal includes new circulation pumps, and building management controls for the new systems to operate efficiently and qualify for energy rebates from Ameren. The design engineer will also be responsible for verifying that the system is installed as designed and perform four season commissioning to verify the system is operating as designed.

This project will begin in 2020 and conclude installation and begin the commissioning in 2021. The engineering costs were included as a portion of the overall replacement costs that were approved in the 2020 Construction Management budget.

Award to: G&W Engineering  Location: 138 Weldon Parkway, Maryland Heights, MO 63043

Was the vendor pre-qualified? Yes ☑ No ☐

Total negotiated price: $135,500.00  Contract term: _______________ with _______________ renewals.

Price break-down (if applicable):

Proposal opening held on: N/A  Opened by: N/A

Account number to be charged for purchase: 3019800-47260

If paying for with grant funds, please indicate (1) grant name, (2) total grant amount, (3) what portion of purchase is being paid for by a grant, and (4) when grant period ends as applicable:
PROFESSIONAL SERVICES – REQUEST FOR APPROVAL

RFP/RFQ #: 19-025

Additional RFQs/RFPs Received

The following additional responses were received:

Vendor: Mazzetti/WM Tao
Location: Manchester, MO

Vendor: Bartlett & West
Location: Fenton, MO

Vendor: __________________________ Location: __________________________

Vendor: __________________________ Location: __________________________

Vendor: __________________________ Location: __________________________

Vendor: __________________________ Location: __________________________

Vendor: __________________________ Location: __________________________

☐ Sole source justification memos from (1) dept. and (2) vendor attached.

Department Director/Elected Official must sign the request prior to routing to the Purchasing Manager.

[Signature]
Department Director/Elected Official Signature

6/23/2020
Date

[Signature]
Approval or Concurrency of Director of Finance

6-23-23
Date

BELOW ONLY TO BE COMPLETED FOR PROPOSALS AT LEAST $15,000 AND LESS THAN $50,000. See instructions at the top of pg. 1.

__________________________
Director of Administration Signature

__________________________
Date