



City of Norman, OK

Municipal Building
Council Chambers
201 West Gray
Norman, OK 73069

Master

File Number: K-1617-41

File ID: K-1617-41

Type: Contract

Status: Consent Item

Version: 2

Reference:

In Control: City Council

Department: Information
Technology

Cost: \$49,385.00

File Created: 07/29/2016

File Name: WRF Telemetry Room Cooling

Final Action:

Title: CONTRACT K-1617-41: A CONTRACT BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND SAKER MECHANICAL IN THE AMOUNT OF \$49,385 FOR THE WATER RECLAMATION FACILITY (WRF) TELEMETRY ROOM COOLING PROJECT.

Notes: ACTION NEEDED: Acting as the Norman Utilities Authority, motion to approve or reject Contract K-1617-41 with Saker Mechanical in the amount of 49,385; and, if approved, and authorize the Mayor to sign Performance Bond B-1617-12, Statutory Bond B-1617-13, and Maintenance Bond MB-1617-10 contingent upon the City Attorney's approval.

ACTION TAKEN: _____

Agenda Date: 08/09/2016

Agenda Number:

Attachments: Text File Saker, Saker Contract, Quote from Saker,
Saker PR.pdf

Project Manager: Kari Madden, Network Manager

Entered by: summer.buesing@normanok.gov

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:

Text of Legislative File K-1617-41

Body

BACKGROUND: On June 27, 2016 the City Manager approved a budget transfer request to pay for air conditioning to be installed in the telemetry and server room at WRF.

The Water Reclamation Facility (WRF) has substantial network equipment located in a back room that not only supports the daily operations of the plant's Supervisory Control and Data Acquisition (SCADA) system, but also provides fiber connections and routing for multiple groups of traffic signals and several remote facilities back to the City's main data center in the Municipal Complex, Building C. The room that is housing this critical network equipment is also presently used for Programmable Logic Controller (PLC) equipment that runs operations on the plant grounds. The room is currently maintained on the building's heating, cooling ventilating system, which is not sufficiently cooling the area nor does it provide any humidification that computer network equipment requires. The room is reaching 80 degrees which is too hot for the present equipment, and will not allow for the new computer server equipment to be installed in the facility.

DISCUSSION: The City's Information Technology (IT) Department had a reputable design company for computer room systems develop a set of specifications to properly cool and humidify the room based on present loading and future heat load that will be added. The specifications were sent to 3 mechanical engineering companies to price the project as turnkey for electrical, air conditioning, and remote monitoring/notifications; however only two of the companies responded with a quote within the timeframe allotted. The present room's air conditioning has no redundancy which is a high risk for the equipment and plant operations should anything fail. The specified design incorporated dual (redundant) air conditioning equipment, and fully redundant notification capability and integration with the monitoring system already used by the City's Building Maintenance Division. IT will not be able to deploy the newly-purchased server equipment for the WRF until the air conditioning situation has been resolved.

Notices were sent directly to three mechanical contractors able to supply dual Liebert Computer Room Air Conditioning (CRAC) units for the project, including installation and electrical system modifications. A total of two proposals were received for the project.

The Selection of the recommended vendor was made by Tim Powers, Director of Information Technology; Kari Madden, Network Operations Manager; and Stacey Baker, IT Programmer. The members of the selection team evaluated the proposals and made a selection based on pricing and confirmation that the parts quoted were substantially the same.

The consensus of the Selection team was to recommend Saker Mechanical as the overall best vendor to do the work. Staff recommends the contract be awarded for the base bid in the amount of \$49,385. Funds are available to complete the project in the Water Reclamation Fund, Capital Projects, WRF Telemetry Room, Construction (account 032-9677-432.61-01; project WW0176).

RECOMMENDATION: Staff recommends approval of contract K-1617-41 between the City of Norman and Saker Mechanical in the amount of \$49,385 and authorize the Mayor to sign Performance Bond B-1617-12, Statutory Bond B-1617-13, and Maintenance Bond MB-1617-10 contingent upon the City Attorney's approval.