THERMAL CONCEPTS
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CACO39621 CSCO46951 CGCA07936

April 8, 2019

To: City of Stuart
121 SW Flagler Avenue
Stuart, FL 34994

Attn: John LaPadula

RE: Public Safety Building – Chilled Water & Controls Upgrade
Design Build Budget Proposal

We are pleased to present to you our Design Build Budget Proposal for the scope of work as outlined below:

This includes the following:

- 2 - 60 Ton Air cooled chillers
- 2 – Chilled Water Pumps with Variable Frequency Drives
- All hydronic accessories required such as Air Separator, Shot Feeder, Buffer Tank, butterfly valves, check valves, etc.
- All piping to be insulated with 2" Thick Foamglass and UV resistant jacketing
- Roof mounted pipe supports affixed to existing structure, includes roof cutting and patching.
- Relocate existing Trash Area and install new fencing similar to existing.
- Engineering and design documents required to obtain permits. (Permit fees are to be paid by others.)
- New chiller and pump area to be where existing trash area is located.
- New Electrical as required from existing panel is included. (It is assumed that when the DX units are removed the existing panel will have sufficient capacity for new equipment.)
- New circuit breakers connected to existing electrical panel to remain, wiring also has been assumed.
- 7 – CHW RTU's to replace the existing DX RTU's. (Electric heat excluded per your direction.)
- Curb adapters are included and reuse of existing curbs is assumed.
- Condensate to tie into existing within 5' of each unit.
- Upgrade existing Trane Controls System
- Integration of new chilled water components into Upgraded Trane Controls has been included.
- Based on new equipment and piping being roughed in during normal hours and the switch out of 4 large units will take place over a weekend to bring the chilled water system online (Over 50% of the capacity) and the remaining 3 units can be overridden and still utilized and swapped at your convenience. If all of the Units need to be switched over the same weekend you should add about $10,000 for the additional costs.
- Initial water treatment chemicals have been included. It is assumed that the city has a current water treatment company that will supply chemicals to maintain the water quality.

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Excludes:

- Bond – Add 1.5%
- Permit Fees
- Prevailing wages
- Premium time unless otherwise indicated in Scope of Work
- T&B – Add $7,500 for balancing total air only and new water (Exclude balancing existing ductwork and diffusers),
- Bonded storage

A. **Budget Pricing**:

TOTAL : $1,191,500.00

Thank you for the opportunity to budget this project. We are available to review the above criteria at your convenience.

Sincerely,

John Satterfield
North Office Operations Manager
Thermal Concepts, Inc.

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Authorized Signature Date