



CITY COUNCIL ACTION REPORT

February 3, 2010

TO: John Szerlag, City Manager

FROM: John M. Lamerato, Assistant City Manager/Finance & Administration
Susan A. Leirstein, Purchasing Director
Steve A. Pallotta, Building Operations Director
Gary G. Mayer, Chief of Police

SUBJECT: Bid Waiver: Police Department Computer Room Environmental Controls

Background

This past year the Police Department has consolidated computer hardware into one room. This was done for security and power considerations. The main computer room has a 15 kilowatt UPS emergency power source and it is powered by a backup diesel generator when the main power goes out. It is more secure because of access control but yet accessible to contractors and persons who must have access to the room to service hardware and software.

The new server room is the focal point for all police voice and data traffic. It houses just under an estimated \$1 million dollars worth of hardware including the new 800 MHz radio system, the State Network First radio equipment, the new 911 system, county switches and routers, and seven Police Department servers as well as other miscellaneous hardware. It is a room critical to police department operations and to the well being and safety of all citizens.

The room is currently cooled by a 5 ton, water-cooled air conditioner. While the unit operated satisfactorily for quite some time, it was never meant to cool a room with this much hardware producing this much heat. It has failed about five times in the last six months. Each time Building Operations has fixed it, but not without expending man-hours in the response and money in parts.

The existing unit would remain in place and serve as a backup to the new unit providing redundant systems. It is estimated that a 10-15% reduction in water consumption would be realized thereby providing some immediate cost savings.

Financial Considerations

Funds for this project are available in the Police Department capital account for Radio Communications, #401.301.12.325.7980.055.

February 3, 2010

To: John Szerlag, City Manager

Re: Police Department Computer Room Environmental Controls

Legal Considerations

Formal bidding procedures are waived as no benefit would be derived from soliciting formal bids.

Recommendation

City management is requesting authorization to purchase a cooling system specifically made for computer rooms. It would be purchased directly from the distributor, Computer Support Technology of Troy, MI at a cost of \$11,708.00. (see Attachment I) Other necessary hardware such as the ceiling diffuser, mounting supplies, metal duct work and insulation, and piping would cost approximately \$12,950.00. Building Operations would provide labor for the entire project at an estimated cost of \$10,404.00. The total project cost is estimated at \$35,062.00. (see Attachment II)

Prepared by: Wendell Moore, Research-Tech Administrator



COMPANY:	City of Troy	PROPOSAL #:	Q01375152
ATTN:	Steve Pallotta	PAGES:	3
FAX:		DATE:	Oct 28, 2009
FROM:	Tim Dwyer 248-616-8982		
PROJECT:	TROY POLICE DEPARTMENT		

We are pleased to provide our quotation for the following Emerson Network Power system for your consideration on this project.

One (1) 5 Ton Split Evaporator Liebert Mini-Mate2 Precision Cooling System, Model MMD60E7A00LA. Each system will provide a total cooling capacity of 59,400 BTUH and a sensible cooling capacity of 52,100 Btuh at 72°F, 50% RH. Unit configured for input voltage of 460 Volts, 3 Phase, 60 Hz. (FLA 2.8, WSA 3.5, OPD 15.0)

Split System Evaporator

- Includes evaporator coil, filter drier, thermal expansion valve, R-407C refrigerant unit charge, belt-driven blower, and microprocessor control with audible and visual alarms

One (1) Liebert Model MCD65ALAH7 Condensing Unit (FLA 12.9, WSA 15.4, OPD 25.0)

- High head pressure switch
- R-407C refrigerant unit charge
- Scroll Compressor
- Hot Gas Bypass

Factory Installed Options

- Filter Clog Indicator
- Disconnect Switch

Ship-Loose Accessories

- (1) Set Sweat Adapters
- (1) 460 Volt Condensate Pump
- (1) Condensate Pump Bracket
- Filter Box w/ 20% Filter

Services Include:

- One year Parts only warranty
- 5 Year Compressor Only: Liebert 1st year standard parts only warranty + 2nd through 5th year compressor only extended warranty
- Warranty Inspection

Total Price Including Freight FOB Factory but NOT TAX **USD 11,392.00**

Price Add for Remote Sensors is **USD 316.00**

Notes:

1. The Microprocessor Cable to be supplied by others and field installed. The communication cable can be run up to 30 feet in length and should be 4-wire plenum rated thermostat wire.
2. The single most important requirement for maintaining environmental control in the conditioned room is the vapor barrier.

Please address purchase order to:

COMPUTER SUPPORT TECHNOLOGY
Attn: Tim Dwyer/Pam Hanes
1409-G ALLEN DRIVE
TROY MI 48083-4003

MISCELLANEOUS:

NOTE: Pricing is firm for 30 days from date of this quotation.

PAYMENT TERMS: Net 30 days subject to credit approval.

EXCLUDED: Receiving, lift gate or open top trucks, rigging, installation, piping or valves, external power and control wiring, and threaded and bolted rods or support of unit.

DELIVERY: Approximately 3 - 4 weeks after receipt of purchase order.

WARRANTY: This quotation is subject to Liebert's product warranty(ies) and Liebert Terms and Conditions of Sale.

NOTE: Sales/Use Tax will be added at time of shipment. If claiming an exception, the exemption status must be stated on your purchase order. Properly completed exemption certificates must be on file at Computer Support Technology for non-taxable purchases.

Tim Dwyer
Account Representative

ATTACHMENT II - DETAILED PRICING

POLICE DISPATCH 911 PHONE EQUIPMENT AND DATA ROOM

	Price
5 Ton Liebert Mini Mate Precision Cooling System (Computer Support Technology of Troy)	\$11,708.00
Ceiling Diffusser Supply and Return	\$2,875.00
Equipment mounting supplies (Unistrut, Threaded rod, Washers, Nuts and Bolts, Hangers)	\$1,200.00
Metal Duct Work (Fabricated custom to fit)	\$2,800.00
Electrical supplies (Disconnects, Conduit, Wiring , Circuit Breakers)	\$3,200.00
Duct Insulation	\$1,200.00
Flexible insulated duct and balancing dampers	\$1,200.00
Copper refrigerant lines and condensate piping	\$475.00
Subtotal of above	\$24,658.00
Labor cost estimated 120 hrs X 3 men X \$28.90 per hr = \$10,404.00	\$10,404.00
Estimated total cost for the entire project	\$35,062.00