



1202 Musser Street
Muscatine, IA 52761-1645
(563) 263-2752
Fax (563) 263-3720

WATER POLLUTION CONTROL

MEMORANDUM

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director
Fran Donelson, Secretary

From: Jon Koch, WPCP Director

Date: March 15, 2017

Re: WPCP HVAC Purchase

INTRODUCTION: The WPCP called for bids from four vendors to replace the old furnace and air conditioning unit (HVAC) for the new operations center. Bids were received from TMI for \$11,846.00 and from Crawford Company for \$11,500.00. \$10,000.00 was budgeted for this purchase. The cost is slightly more than budgeted due to larger than expected installation costs.

BACKGROUND: The HVAC system that fed the old lab area was oversized due to the number of air exchanges required for a certified lab. Once the lab was removed and the space became the new operations center, the HVAC could be pulled and used for the new High Strength Waste Receiving Project. This will save the cost of buying a new large unit for this project at a cost of nearly \$200,000.00. The WPCP staff removed the old unit and did much of the duct work in preparation, saving approximately \$4,500.00 that would have been paid to the new installation vendor. Our estimation of the remaining cost was off by about \$1,500.00 as reflected in the bids and what was budgeted. Two local HVAC contractors were called repeatedly to bid the project but did not submit bids. They had more than 30 days to do so.

RECOMMENDATION/RATIONALE: WPCP staff recommends approval for the purchase and installation of a new HVAC unit for the Operations Center from Crawford Company for \$11,500.00.



HVAC Division

March 15, 2017

PRICING FOR: Muscatine Waste Water

WE AGREE TO FURNISH AND INSTALL THE FOLLOWING:

HVAC Scope:

- Provide and install 1-95.5% AFUE, 60,000 BTU single stage gas fire furnace with 3 ton R-410A single stage 460/3ph condensing unit.
- Provide and install new insulated supply duct sized for new equipment.
- Provide new return duct from new equipment to existing return duct.
- Provide and install 3- new supply air branch run outs for existing diffusers.
- Provide and install concentric vent kit from new equipment up through existing flue vent opening, seal water tight, PVC connection to furnace by owner.
- Provide and install new refrigeration piping from furnace to outdoor unit sitting on existing slab.
- Provide new 7-day programmable thermostat.

Clarifications

1. We include a permit for our work.
2. We exclude taxes.
3. We exclude removal of existing equipment.
4. We exclude demo of existing supply ductwork.
5. We exclude removal or replacement of ceiling tile and grid.
6. We exclude gas pipe.
7. We exclude PVC piping.
8. We exclude installation and wiring of thermostat.
9. We exclude bonds, allowances, & contingency.
10. We exclude any shift or overtime premiums.

Total Price Including Sales Tax and Permits	\$ 11,500.00
--	---------------------

Respectfully,
Dan Fisher

Accepted by: _____ Date: _____

1306 Mill St., Rock Island, IL 61201
PH 309-788-4573, 563-386-9030 FX 309-788-4691

www.crawford-company.com

Plumbing, Heating, Cooling, Ventilation, Specialty Welded Fabrication, Laser Cutting



1017 State Street • Bettendorf, IA 52722
(563) 355-5400 • FAX (563) 355-7221
Heating • Air Conditioning • Plumbing • Appliance
Commercial • Residential

www.tmiservices.net

PAGE 1 OF 1 PAGES

Proposal

PROPOSAL SUBMITTED TO Muscatine Pollution Control Plant	PHONE	DATE	FAX
STREET 1202 Musser Street	JOB NAME	3/10/17	
CITY, STATE and ZIP Muscatine, Iowa 52761-1645	JOB LOCATION		
REFERENCE L17-0176	JOB PHONE		

Per our discussion of the proposed location we propose to furnish labor and material including:

1. Provide and install one (1) 95.5% gas fired YORK furnace with a new 3 ton a/c system. Condensing unit will be 460 volt 3 phase.
2. Provide all new supply ductwork from the furnace to the room with new take offs and flex ductwork.
3. Reconnect the existing return air ductwork to the new furnace with a 1" filter rack.
4. Install new PVC flue piping from the furnace up through the existing class B vent.
5. Install new hard refrigerant piping from the indoor evaporative to the condensing unit.
6. Provide and install a new thermostat.
7. Start up and check operation.

Does NOT include any gas piping, electrical and ceiling removal or replacement of any kind.

All parts, labor, and accessories furnished by Total Maintenance, Inc. shall carry a full one-year warranty from date of completion.

All sales or other State or Municipal taxes are NOT included in this agreement. Thank you for the opportunity to quote this work.

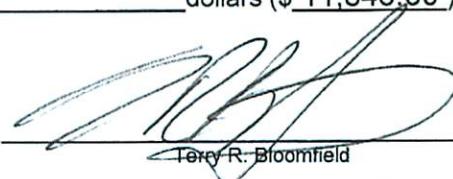
We Propose hereby to furnish material and labor – complete in accordance with above specifications, for the sum of: **Eleven Thousand Eight Hundred Forty-Six** dollars (\$ **11,846.00**).

Payment to be made as follows:

Upon Completion

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered under Workman's Compensation Insurance.

Authorized
Signature



Terry R. Bloomfield

NOTE:
We may withdraw this proposal if not accepted within 30 days.

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date of Acceptance: _____

Signature _____

Terms and Conditions

Total Maintenance, Inc. also referred to as TMI is one and the same in this document.

1. All orders not paid in full in advance are subject to approval by TMI credit department.
2. This proposal may be withdrawn by TMI if not accepted within 30 days.
3. TMI shall provide only trained and qualified technicians employed or supervised by us.
4. All labor is to be performed during TMI's regular working hours, unless noted in this proposal.
5. Warranty work is performed during TMI's normal business hours, but can be performed after normal hours if Customer pays the difference between standard labor rate and overtime labor rate.
6. Until final payment is made, TMI will retain the title to all material and equipment it installs.
7. Unless noted in this proposal, payment is due in full upon completion of work. A monthly finance charge, equal to the highest allowable interest rate, may be levied on the Customer's account if delinquent over 30 days.
8. In the event Customer's account must be referred to attorneys for collection, Customer agrees to pay reasonable attorney fees, court costs and other collection costs.
9. Customer will carry fire, extended coverage and other necessary insurance.
10. Customer shall assume risk of loss or damage to equipment after it is set in place on the job.
11. Every attempt will be made to complete the work on the date(s) specified, but because TMI may have no control over equipment availability and delivery, all completion dates are estimates only.
12. TMI shall not be liable for damage, loss or delays resulting from fire, explosion, flooding, the elements, labor troubles, or any other cause beyond our control.
13. TMI shall use ordinary care in performing all work, but shall not be liable for incidental or consequential damages, nor shall it be liable for injuries to persons or damage to property except those directly caused by negligent acts of TMI's employees.
14. TMI shall not be responsible for and damages incurred due to inability of the building structure to properly support the installed equipment, or for expense incurred in removing, replacing or refinishing part of the building structure necessary for the performance of any service or installation, unless otherwise noted in this proposal.
15. TMI shall not be liable for any present and future taxes, charges or other governmental fees, or any items of equipment, labor or special tests required or recommended by insurance companies, equipment vendors or governmental authorities.
16. TMI shall not be liable for the identification, detection, abatement, encapsulation, storage, removal or transportation of any regulated or hazardous substances. Regulated or hazardous substances may include, but are not limited to asbestos, certain refrigerants and refrigerant oils. If any such products or materials are encountered during the course of work, TMI can discontinue work until regulated or hazardous materials have been removed or hazard or liability is eliminated.
17. This agreement contains the entire understanding between TMI and the Customer, any modifications, amendments or changes must be made in writing and signed by both parties.