



VILLAGE OF SCHAUMBURG

MUNICIPAL CENTER / 101 SCHAUMBURG COURT / SCHAUMBURG, IL 60193-1899
847.895.4500 / TDD 847.923.4435 / FAX 847.895.7806 / WWW.CI.SCHAUMBURG.IL.US

March 19, 2018

Subject: Request – # PW-474 18

From: Jan Williams, CPPB, Buyer
Purchasing Division.

The Village of Schaumburg IL has a current sealed bid opportunity for **HVAC Maintenance and Repairs for Village Owned Buildings**. Bids are due no later than 11:00 a.m. on Wednesday, April 4, 2018.

*Bids shall be submitted in sealed envelopes clearly identified with the Respondent's name, address, subject matter and project number of bid as indicated in the specification, and designated date and time the bids are due. **Absolutely NO electronic bids will be accepted.***

Village bids and proposals are available on-line via the village's internet web site. The instructions for accessing this site and down loading the PDF files have been provided on page two of this notice.

It is extremely important that you immediately notify the Purchasing Division via e-mail to jwilliams@schaumburg.com if your firm intends to submit a response to the electronic document. This step is necessary to establish a communication link between the village and the Respondent so that any addenda or other relevant information may be transmitted properly. The Respondent, not the village, is responsible for obtaining any addenda to the original specification when the Respondent chooses the option of downloading electronic files. Addenda and other relevant information will be posted on the *Business to Government-Commerce and Bid Information* web page.

Documents may also be obtained at the Village of Schaumburg, Purchasing Division, 101 Schaumburg Ct., Schaumburg, IL from of 9:00 a.m. to 4:00 p.m., Monday through Friday. **If there are blueprint plans with the project, the files will be provided in CD format, not paper.**

Please complete the information requested below and return via e-mail to jwilliams@schaumburg.com.

Our firm has obtained the electronic PDF file for **HVAC Maintenance and Repairs for Village Owned Buildings** and will be submitting a sealed response.

Company Name: _____ Contact Name: _____

Complete Mailing Address: _____

Phone No.: _____ Fax No: _____

E-mail Address: _____

The Village of Schaumburg's internet web site provides purchasing related information for current & future village suppliers.

IMPORTANT! Vendors that download and print documents from this web site are responsible for obtaining ALL files associated with the individual bids or proposal. In order to maintain the line of communication, vendors intending to respond to a bid or proposal document must provide the Purchasing Division with all company contact information via e-mail to jwilliams@schaumburg.com.

To access the Village of Schaumburg website:

- Logon to: www.villageofschaumburg.com, the main page of the village's web site.

The **Business to Government** page provides general information and access to the village's *Vendor Registration Form*, *Freedom of Information Form*, and several purchasing related links. To find this page, single click on the left side of the main website page.

The **Current Requests for Bids and Proposals** page provides access to downloadable PDF bid and proposal documents.

Please read the instructions entirely. Below the instructions is a list of bid & proposal opportunities. Access any of the listed projects by single clicking on the individual **TITLE**. A complete detail of the specific project will open up. All document files related to the specific project will be provided as PDF at the bottom of the detail page.

The **General Terms and Conditions** page provides answers to frequently asked questions concerning how to do business with the Village of Schaumburg. To find this page, single click on the left side of the *Business to Government* web page.

The **Procurement Processes** page provides an explanation of the processes utilized by the Village of Schaumburg for procurement of goods and services. To find this page, single click on the left side of the *Business to Government* web page.

**Village of Schaumburg
Legal Notice
Invitation for Bid**

The Village of Schaumburg, IL will accept sealed bids for **HVAC Maintenance and Repairs for Village Owned Buildings**.

Specifications and all Contract Documents are available on-line on the Village of Schaumburg's Purchasing Division web page at www.villageofschaumburg.com under **Bids & Proposals**. They may also be obtained from the Village of Schaumburg, Purchasing Division, Atcher Municipal Center, 101 Schaumburg Ct., Schaumburg, IL, 60193 during the hours of 9:00 a.m. and 4:00 p.m., Monday through Friday with prior notification. Prices quoted must be valid for a minimum of 60 days from the date of the bid opening.

Bids will be received by Jan Williams, CPPB, in the Purchasing Office, at the above address until **11:00 a.m. Wednesday, April 4, 2018**. All bids will be publicly opened immediately thereafter.

Bidders are advised of the following requirements of this contract: 1) 10% Bid Security with the bid submittal; 2) Illinois Prevailing Wage and Monthly Certified Payroll; 3) 100% Performance Bond and; 4) Labor and Material Payment Bond on award of contract; 5) Insurance Certificate and Endorsement.

The Village of Schaumburg reserves the right to reject any and all bids or to waive any technicalities, discrepancies, or information in the bids. The Village of Schaumburg does not discriminate in admission, access to, treatment, or employment in its programs and activities.

General questions regarding this Legal Notice shall be directed to Jan Williams, CPPB, Purchasing Office, at 847.923.4512. **All detailed questions concerning the actual bid specification are to be forwarded in writing via e-mail to jwilliams@schaumburg.com no less than four (4) business days prior to the scheduled bid opening date.**

Following review and the Purchasing Division's receipt of an award recommendation, pending contract awards will be posted on the Village of Schaumburg's Internet web site <http://www.villageofschaumburg.com>.

Individuals with disabilities who plan to attend this meeting and who require certain accommodations to allow them to observe and/or participate in this meeting are requested to contact the Village Manager's Office at (847) 923-4708 at least one (1) week prior to this public meeting if possible.

Oscar Martin III
Purchasing Manager

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE required by the Illinois Fair Employment Practices Commission as a material term of all public contracts.

During the performance of this contract, the contractor agrees as follows:

- 1. That** it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or ancestry; and further, that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- 2. That**, if it hires additional employees in order to perform this contract, or any portion hereof, it will determine the availability (in accordance with the Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- 3. That**, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin, or ancestry.
- 4. That** it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.
- 5. That** it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
- 6. That** it will permit access to all relevant books, records, accounts, and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
- 7. That** it will include verbatim or by reference the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10 (b) of the Commission's Rules and Regulations for Public Contracts so that such provision will be binding upon every such subcontractor; and that it will also include the provisions of paragraphs 1, 5, 6, and 7 in every supply subcontract as defined in Section 2.10(a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition, no contractor will utilize any subcontractor declared by the Commission to be non-responsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

The Village of Schaumburg does not discriminate on the basis of handicapped status in admission or access to, or treatment or employment in, its programs and activities.

STANDARD CONDITIONS

Contract Documents: Any drawings, plans, standard conditions, special conditions, supplemental additional conditions, specifications, bid notice, bid sheet, and addendum, if any, as specified herein shall form the "Contract Documents." For the purpose of this bid, the word "Village" shall refer to the Village of Schaumburg, and the word "Bidder" shall refer to any person, company, or entity submitting a bid. Any work shown or described in one of the documents shall be construed as if described in all the documents.

Interpretation of Contract Documents: Each request for interpretation of the Contract Documents shall be made in writing addressed to Jan Williams, CPPB, Purchasing Division, Village of Schaumburg, 101 Schaumburg Ct., Schaumburg, IL 60193 and shall be received at least five (5) business days prior to the scheduled bid opening date. Interpretations and supplemental instructions will be in the form of written addenda to the Contract Documents.

Electronic Bid Documents: Bidders that download PDF documents from the Village of Schaumburg's Purchasing Division internet web page must immediately notify the Purchasing Division via e-mail to jwilliams@schaumburg.com if they intend to submit a response to the bid documents. This step is necessary to establish a communication link between the village and the Bidder so that any addenda or other relevant information may be transmitted properly. The Bidder, not the village, is responsible for obtaining any addenda to the original specification when the Bidder chooses the option of downloading bid or proposal files. Addenda and other relevant information will be posted on the *Current Requests for Bids and Proposals*, project specific, web page.

Submittal of Bid: Bids must be submitted to the attention of Jan Williams, CPPB at the above address no later than 11:00 a.m. on Wednesday, April 4, 2018. Bids arriving after the specified time will not be accepted. Mailed bids which are delivered after the specified hour will not be accepted regardless of postmarked time on the envelope. Bidders should carefully consider all bid delivery options (US Postal Service, UPS, Federal Express, private delivery service, etc.) and select a method that will successfully deliver their bid by the required time and date. Bids shall be submitted in sealed envelopes carrying the following information: Bidder's name, address, subject matter and project number of bid as indicated in the specification, and designated date and time of the bid opening.

Withdrawal of Bid: Bidders may withdraw or cancel their bid, in written form, at any time prior to the advertised bid opening time.

Bidder's Qualifications: No award will be made to any Bidder who cannot satisfy to the Village that they have sufficient ability and experience in this class of work, as well as sufficient capital and equipment to do the job and complete the work successfully within the time named (i.e. responsible). The Village's decision or judgment on these matters shall be final, conclusive, and binding. The Village may make such investigations as it deems necessary. The Bidder shall furnish to the Village, under oath if so required, all information and data the Village may request for the purpose of investigation.

Preparation of Bid: The Bidder's submittal shall include the completed *Bid Sheet* found in the Contract Documents and any further specified documentation. The Village will strictly hold the Bidder to the terms of the bid. The bid must be executed by a person having the legal right and authority to bind the Bidder.

Compliance with Laws: The Bidder shall at all times observe and conform to all laws, ordinances, and regulations of the Federal, State, and local governments, which may in any manner affect the preparation of bids or the performance of the contract.

Alternate: Any reference in these specifications to manufacturer's name, trade name, or catalog number (unless otherwise specified) is intended as a standard only. The Village's written decision of approval or disapproval of a proposed substitution shall be final.

Alternate bids will be considered only if received at the time stated for receipt of the bids. Submit alternate bids in a sealed envelope and identify the envelope as required for all bids, except that the phrase **Alternate Bid** shall be used. Bidders are cautioned that, if an alternate bid(s) involves an increase in the *Bid Sum*, the *Bid*

*Deposit, **if required***, shall be ample or be increased to cover the alternate *Bid Sum* or the entire bid may be rejected.

Freedom of Information Act (FOIA): The Village is required by Public Act 96-542 to comply with freedom of information requests (FOIA) within five (5) business days of a record request. All contractors used by the village may be in possession of records covered by this act and therefore will be required to provide the village with those records upon request and within the time frame of the Act.

Confidentiality: As a public agency, the Village is required to adhere to Freedom of Information Public Act 96-542. If a responding firm intends to request confidentiality on any portion of a bid, the submittal shall also include a redacted copy of the bid. Limited redactions will be considered. However, entire full redaction of bid submittals will not be considered for award.

Bid Review: The Village reserves the right to reject any or all bids and/or to waive any irregularities or disregard any informality in the bids and bidding when, in its opinion, the best interest of the Village will be served by such action. Furthermore, the Village reserves the right to award each item to a different Bidder, or all items to a single Bidder unless otherwise noted on the *Bid Sheet*. The Village may determine as follows: 1) an equal or alternative is a satisfactory substitute; 2) an early delivery date is entitled to more consideration than price; 3) an early delivery date is to be disregarded because of the reputation of the Bidder for not meeting delivery dates; 4) a Bidder is not a responsible Bidder; and 5) what exceptions or deviations from written specifications will be accepted. No bid will be accepted from or contract awarded to any person, firm, or corporation that is in arrears or is in default to the Village upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to the Village, or had failed to perform faithfully any previous contract with the Village.

Form of Contract: The form of contract between the Village and the successful Bidder will be a purchase order referencing the bid specification, the bid submitted by the successful Bidder, and the resulting purchasing order.

Bid Results: Following the bid opening and review period, pending contract awards will be posted on the Village's Internet web site at www.ci.schaumburg.il.us under the **Bids & Proposals**, project specific, web page. Bid tabulations posted on-line represent "as read" submittals at time of the bid opening. They do not represent contract award.

Delivery: Where applicable, all materials shipped to the Village must be shipped F.O.B. delivered, designated location, Schaumburg, Illinois. If the delivery is made by truck, arrangements must be made in advance by the Bidder, with concurrence by the Village, for receipt of the materials. The materials must be delivered where directed. Truck deliveries will be accepted at the Public Works Facility between 7:00 a.m. and 3:30 p.m. and at all other Village locations 8:00 a.m. and 4:00 p.m., weekdays only.

- **NOTE**: The Public Works Facility does have a raised loading dock. All other Village locations **do not** have access to a raised loading dock. Deliveries requiring removal from the delivery truck via a forklift provided by the Village must be arranged with the Village twenty-four (24) hours in advance of the expected delivery date.

Inspections: The Village shall have the right to inspect any materials, components, equipment, supplies, services, or completed work specified herein. Any of said items not complying with these specifications are subject to rejection at the option of the Village. Any items rejected shall be removed from the premises of the Village and/or replaced at the entire expense of the successful Bidder.

A. GENERAL SUPPLEMENTAL ADDITIONAL CONDITIONS

Scope of Work: The Bidder shall supply all required supervision, skilled labor, transportation, new materials, apparatus, and tools necessary for the entire and proper completion of the work. The Bidder shall supply, maintain, and remove all equipment for the performance of the work and be responsible for the safe, proper, and lawful construction, maintenance, and use of the same. This work shall be completed to the satisfaction of the Village. The Bidder shall provide adequate protection of the job site to protect the general public from any injury as a result of the job. The Bidder shall provide all safeguards and suitable barricades to protect public and adjacent property. **The Village is not responsible for site safety. The Bidder is solely and exclusively responsible for construction means, methods, technologies, and site safety.**

Licensing and Permits: The successful Bidder and their subcontractor(s) must be licensed with the Village and shall obtain all required building permits prior to the start of any work. The Village will waive applicable Village permit fees for the specific contract. Permit application forms may be obtained from the Community Development Department and license application forms may be obtained at the Collector's Office at the Village of Schaumburg, 101 Schaumburg Court, Schaumburg, IL.

Prevailing Wage: Not less than the Prevailing Wages as found by the Department of Labor or determined by the court on review shall be paid to laborers, workmen, and mechanics performing work under this contract. *Current standards are available on the Illinois Department of Labor web site at www.state.il.us/agency/idol/ or by calling the Village of Schaumburg at 847.923.4512.* (820 ILCS 265/1 et. seq.) (Wages of employees on Public Works – Prevailing Wage Act, Illinois Revised Statutes, Chapter 48, Section 39S-1 et seq.) Contractors are responsible for paying prevailing wage, when required, based on the most current IDOL standards, throughout the term of the contract.

Public Act 094-0515 requires the successful contractor submit a certified payroll to the village on a monthly basis for the contracts they have been awarded. You will need to submit this monthly certified payroll to the Village of Schaumburg, attention Accounts Payable, 101 Schaumburg Court, Schaumburg, IL 60193. Failure of the bidder to submit certified payrolls may delay progress payments and future payments.

Public Act 095-0635 amends the Prevailing Wage Act and requires the successful contractor, before work commences, to file with the Public Body certification that they have a substance-abuse program and provide drug testing.

Payment: Payment shall be made within 30 days of invoice receipt and approval, unless otherwise specified in the agreed upon contract. **All invoices must include the PO number associated with the order and shall be submitted to the Village of Schaumburg, Accounts Payable Division, 101 Schaumburg Rd., Schaumburg, IL 60193.** If prevailing wage is a requirement of the contract, the invoice must include certified payroll and waivers. Failure to submit all documentation as specified may result in delay of invoice payment.

Period of Unemployment: Public Act 30 ILCS 570 Employment of Illinois Workers on Public Works Act must be adhered to in entirety by the awarded contractor. This act requires the use of Illinois workers on Public Works projects during periods of excess unemployment, which means any month immediately following 2 consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded 5% as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures.

Toxic Substance: Prior to delivery of any material which is caustic, corrosive, flammable, or dangerous to handle, the supplier will provide written directions as to methods of handling such products, as well as the antidote or neutralizing material required for its first aid. (Materials Safety Data Sheet).

Guarantees and Warranties: All guarantees and warranties required shall be furnished by the Bidder and shall be delivered to the Village before final payment on the contract is issued.

Termination of Contract: The Village reserves the right to terminate in whole or any part of this contract, upon written notice to the Bidder, in the event of default by the Bidder. Default is defined as failure of the Bidder to perform any of the provisions of this contract or failure to make sufficient progress so as to endanger performance of this contract in accordance with its terms. In the event of default and termination, the Village

may procure, upon such terms and in such a manner as the Village may deem appropriate, supplies, or services similar to those terminated.

The Bidder shall be liable for any excess costs for such similar supplies or service unless evidence is submitted to the Village that, in the sole opinion of the Village, clearly proves that failure to perform the contract was due to causes beyond the control and without the fault or negligence of the Bidder.

Hold Harmless Agreement (Contractual Liability): The Bidder agrees to indemnify and save harmless the Village, including its elected or appointed officials, employees, and agents against any and all claims, loss damage, injury, liability, and court costs and attorney's fees incident thereto, including any claims made by employees of the Bidder or any of their subcontractors, as well as all other persons, resulting directly or indirectly from the work covered by this contract or the equipment used in connection therewith. It is understood that this agreement shall apply to any and all such claims whether resulting from the negligence or the intentional acts of the Bidder, or otherwise. *(With the single exception of any claim, damage, loss, or expense arising solely out of professional services performed by the Village, its agents, or employees, including: 1) the preparation of maps, plans, opinions, reports, surveys, designs, or specifications, and 2) supervisory, inspection, or engineering services.

* **Special Requirement:** If the Bidder is an architectural firm or engineering firm, said Bidder shall file a certificate of insurance for professional liability, errors and omissions coverage subject to final acceptance by the Village of said coverage.

Insurance: The Bidder will provide certificates of insurance evidencing the following types and limits of insurance. The certificates of insurance will specifically address each of the requirements noted below. Each insurance company shall be acceptable to the Village. The General Liability coverage shall name the Village of Schaumburg as additional insured. All insurance noted below is primary and in no event will be considered contributory to any insurance purchased by the Village. All insurance noted below will not be canceled, reduced, or materially changed without providing the Village thirty (30) days advance notice, via certified mail.

The Bidder will provide written Proof of Endorsement, with the General Liability policy number on the endorsement.

- A. **Comprehensive General Liability** including Products Liability/Completed Operations insurance, in an amount not less than \$1,000,000/occurrence, \$2,000,000/policy limit, including Broad Form Contractual Liability insurance, in an amount not less than \$1,000,000/occurrence, \$2,000,000/policy limit, subject to the terms and conditions of the policy. A copy of the policy may be required.
- B. **Automobile Liability** insurance, in an amount not less than \$1,000,000 combined single limit. Said insurance is to be extended to cover hired and non-owned vehicles.
- C. **Umbrella or Excess Liability** coverage, the Contractor shall provide evidence of Umbrella or Excess Liability coverage of \$2,000,000.
- D. **Workers' Compensation** is to be provided as required by statute, by an insurance company licensed to write worker's compensation in the State of Illinois. Employer's Liability, in an amount not less than \$500,000 each accident, \$500,000 disease – policy limit, and \$500,000 disease – each employee.
- E. Insurance Rating – All insurance policies required by this contract shall be underwritten by insurance companies with a minimum A. M. Best rating of A:VII.
- F. A certificate of insurance is required as evidence of coverage, with the Village of Schaumburg named as an additional insured. The certificate will include an "Additional Insured Endorsement". The same full insurance coverage provided to the named insured, whether it is the contractor or a sub-contractor, shall be provided to the Village without any limitations or endorsements that might limit or exclude coverage. If insurance is canceled for any reason whatsoever the Village will be given not less than thirty (30) days prior written notice.

Any and all deductibles or other forms of retention are the responsibility of the Contractor. All deductibles or other forms of retention are subject to the approval of the Village. Contractor will disclose to the Village in writing the amounts of any deductible or self-insured retentions on the insurance required under this contract.

Contractor waives any right of subrogation it may have or later acquire against the Village.

The Bidder shall not commence work under this contract until they have obtained all insurance required under this section and such insurance has been approved by the Village, nor shall Bidder allow any subcontractor to commence work on their subcontract until the same insurance has been obtained by the subcontractor. The Bidder and their subcontractor(s) shall maintain all insurance required under paragraphs A through D of this Section for not less than one (1) year after completion of this contract.

B. CONSTRUCTION SUPPLEMENTAL ADDITIONAL CONDITIONS

Examination of Premises, Measurements, and Elevations: The Bidder shall verify all measurements relative to the work, shall be responsible for the correctness of same. The Bidder will examine the site and the premises and satisfy themselves as to the existing conditions under which the Bidder will be obligated to operate. Failure of the Bidder to notify the Village, in writing, of any condition(s) or measurement(s) making it impossible to carry out the work as shown and specified, will be construed as meaning no such conditions exist and no additional moneys will be added to the contract. The successful Bidder must notify all utility companies that are a part of J.U.L.I.E. of the responsibility of each utility company to locate its utilities. The Village will not accept any liability or pay any additional costs in the event any unknown utilities are uncovered which may result in the redesign, delay, or need for additional equipment on the job site.

No claim whatsoever will be allowed to any contract for changes, extra work, or material, not included in the Bidder's original bid, or for a greater amount of money than the contract states is to be paid, for any reason, including, but not limited to subsurface or latent physical conditions, or unknown physical conditions at the site. The Bidder is responsible for making a full examination of the site of the proposed work, and bid documents, specifications, general conditions, plans, special provisions, and contract forms before submitting their bid. The Bidder is responsible for fully informing themselves as to the quality and quantity of materials required, and the character of the work to be performed.

Change Orders: After the contract award, changes in or additions to the work and/or a change in the amount of money to be paid to the Bidder must be the result of an approved change order first ordered by the Director of the lead department and approved by the Village Manager and/or the Village Board.

Public Act 094-0460 will require the successful contractor verify any change order request you receive from a subcontractor will not exceed 49% of your original subcontract amount. Any needed change order that will increase the subcontract by 50% or more will require your opening up that portion of the work to competitive bidding.

Failure to Execute: Failure to execute the contract shall, at the option of the Village, constitute a breach of the agreement made by acceptance of the bid, and the Village shall be entitled to forfeiture of the certified check, bank draft, or Bid Bond accompanying the bid that is required, not as a penalty, but as liquidated damages. In the event of failure of a Bidder to whom an award of contract has been made, to execute the contract and furnish a Performance Bond within ten (10) days after notification of award, such award may be nullified and an award may be made to the next lowest responsive and responsible Bidder approved by the Village.

Bid Security: Each bid shall be accompanied by a bid security in the amount of 10% of the total amount bid. Bid security shall be in the form of a certified check or cashier's check, drawn on a responsible bank doing business in the United States and made payable to the Village of Schaumburg, or an original Bid Bond (**may NOT be a copy or facsimile**) by a surety company which is satisfactory to the Village and is qualified to do business in Illinois. Electronically produced bid security, with digital signature and notary stamp, will be acceptable. Bids not accompanied by a bid security will be rejected. The bid security of the **unsuccessful Bidders** (if in the form of a certified check or cashier's check) will be returned after the contract is awarded, or earlier, if the Village does not deem it necessary to retain the Bid Security. The bid security of the **accepted Bidder**, (if in the form of a certified check or cashier's check) will be returned either upon execution of a contract and submittal of a performance bond, if required by the specifications or, where no performance bond is required, when, in the Village's estimation, the contract has been satisfactorily completed. When the bid security is submitted in the form of a bid bond, the bond will become null and void following the award of contract and the Village's receipt of the Performance Bond and Labor and Material Payment Bond, if required by the specifications. Should the Bidder fail to fulfill the contract as set forth, the bid security shall become payable to the Village as liquidated damages.

As an option to those Bidders with Internet access, bid security may be satisfied by filing an Electronic Bid Bond. To file an Electronic Bid Bond contact **Surety 2000** at www.surety2000.com or call

1.800.660.3263. The Electronic Bid Bond ID# must be indicated on the Bid Sheet in the appropriate place.

Performance Security: The successful Bidder shall furnish as performance security a Performance Bond and a Labor and Material Payment Bond acceptable to the Village prior to the start of any work. Each of the bonds shall be in the sum of 100% of the contract amount. The performance bond shall: 1) serve as security for faithful performance of the work; and 2) guarantee the work against defective workmanship and material for a period of not less than one (1) year following acceptance of the work. The Labor and Material Bond shall serve as security that all wages are paid and materials provided for the work are paid by the successful Bidder. For contract awards that are less than \$100,000.00, a Letter of Credit, in a form suitable to the Village, may be submitted as performance security, instead of a Performance Bond and a Labor and Material Payment Bond.

Letter of Credit – required content: Any letter of credit (herein after LC) submitted as performance security, as provided for in the Performance Security section of these Construction Supplemental Additional Conditions, must be established with the following required content.

The LC must be irrevocable, made in favor of the Village of Schaumburg (Beneficiary), and for the account of the Bidder (Applicant). The aggregate amount of the LC must be at least 100% of the awarded contract amount. The bank issuing the LC must be acceptable to the Village of Schaumburg. The expiration date of the LC must extend at least one (1) year beyond the anticipated completion date of the project, and will be extended at the expense of the Bidder if need be. The LC must provide for partial drawings. Drawing(s) are to be made when the Village of Schaumburg presents a letter to the issuing bank, signed by the Village Manager or the acting Village Manager, referencing the LC number and stating the amount of funds to be drawn against the LC and also containing the following declaration: “I hereby certify that the applicant has not performed as required by the contract established between the applicant and the Village of Schaumburg”. Payment(s) against the LC will be made by the issuing bank upon presentation of this letter.

Waiver of Lien: Where applicable, a Waiver of Lien and Contractor’s Affidavit must be submitted by the Bidder, verifying that all subcontractors and material invoices have been paid prior to the Village approving final payment.

**VILLAGE OF SCHAUMBURG
INVITATION FOR BID
HVAC MAINTENANCE AND REPAIRS IN VILLAGE OWNED BUILDINGS**

Intent: The Village of Schaumburg (hereafter Village) is soliciting bids from reputable contractors who can provide heating, ventilating, and air conditioning (HVAC) equipment maintenance and repairs in specified Village-owned buildings.

Scope: The intent of this contract is to establish a relationship with an HVAC contractor that is capable of providing the full spectrum of services consisting of maintenance, repair, and replacement of the heating, ventilating, air conditioning systems, subsystems, building automation systems (BAS) and components normally considered as part of an HVAC system and required for the proper functioning of that system according to standard industry practices and usage.

There are two different types of work anticipated under this contract: 1) preventive maintenance; 2) general repairs to restore operation of the systems. Prospective bidders are being asked to provide costs for a fixed compensation preventive maintenance contract, which shall include compensation for all filters, belts other related materials associated with the performance of preventive maintenance, labor and overhead, for each facility.

Compensation for general repairs to the systems will be on a time and material basis, with the scope of the work to be mutually agreed upon by the Village and the contractor. The contractor must be capable of making repairs or replacing equipment such as motors, pumps, pulleys, belts, compressors, gauges, instruments, filters, valves, piping, furnaces, boilers, chillers or other appurtenances used to control the temperature, humidity, and air flow. Electrical lines, mechanical, control components and building automation systems are included.

The contractor shall furnish all labor, equipment, parts, and materials, to maintain and operate the respective HVAC systems in first class working order and operating condition at all times. The contractor shall provide the necessary transportation for workmen, materials, and equipment used to fulfill the terms of the contract.

Level of Service: A description of the desired level of operations and maintenance to be performed is described herein. The contractor is responsible for verifying the condition of all HVAC equipment and inspecting the sites prior to submitting a bid.

Term of Contract: The initial term of this contract shall be May 1, 2018 through April 30, 2019 subject, however, to the right of the Village to cancel and terminate the same at any time by giving a thirty (30) day notice in writing to the contractor. The Village invokes the right to cancel the contract for poor performance, and/or for other issues that the Village deems unacceptable or below the standard specified in the contract. In the event of such cancellation, the Contractor shall be entitled to receive payment for services and work performed, and materials, supplies, and equipment furnished under the terms of the contract prior to the effective date of such cancellation, but will not be entitled to receive any damages on account of such or any further payment whatsoever. Upon normal expiration of the contract, the Contractor shall continue, at the sole option of the Village, to provide services on a month-by-month basis, under the same terms and conditions, for a period not to exceed four (4) months.

This contract may be renewed for three (3), one (1) year optional extensions. The optional years will automatically renew providing the Village has not notified the vendor by written notice, not less than ninety (90) days prior to the contract expiration date, of the Village intent to re-solicit new bids.

A one-time economic adjustment for labor, material, and equipment costs may be negotiated for each one-year extension to the contract after the initial one year contract period. This economic adjustment may not exceed the published local Consumer Price Index (CPI) for the previous twelve-month period. The contracted vendor shall be responsible for notifying the Village (by written notice) of any requested increase not less than ninety (90) days prior to expiration of the contract year.

This contract places no obligation on the Village to appropriate funds for this service beyond the initial fiscal year term of the contract and is dependent upon sufficient funds being appropriated each fiscal year by the Village for this work.

Due to budget constraints, the Village reserves the right to add or delete from the bid as required. No adjustments in bid Unit Price or additional compensation will be made for decreases in the quantity or services from the bid.

Questions: All questions concerning this Invitation for Bid shall be addressed in writing via e-mail to jwilliams@schaumburg.com no less than four (4) business days prior to the scheduled due date. No questions shall be addressed directly to Engineering & Public Works during the open solicitation period.

Bid Evaluation: Prospective bidders are asked to provide a fixed, lump sum price for preventive maintenance work, and an hourly rate to cover the cost of labor (as specified), equipment, and overhead, and a percentage mark-up rate for parts utilized by the contractor to complete a repair. Bids shall be submitted on the *Bid Sheet* only. Any exceptions to the specifications are to be noted on the *Detail Exception Sheet* of this document.

Qualification of Bidder: As evidence of past experience and work performance, the bidder must supply with their bid a reference list of previous HVAC maintenance experience, present and anticipated contractual work load, staffing, and staffing availability which will be used to verify the bidder's qualifications to perform under the terms of this contract.

Award of Bid: Bids will be evaluated based on the following items and any other relevant information:

- Thoroughness and completeness of bid submittal;
- Contractor's qualifications;
- References; and
- Costs for annual labor and materials, and excluded work hourly rates and material discounts
- Callout Fees, which would equate to a fee attributable to dispatching a technician to the site, and is exclusive to the hours for making the repairs.

Contract Supervision: This contract will be under the administration of the Director of Engineering and Public Works (hereafter Director), or authorized representative. Detailed daily supervision of the contract shall be provided by the Building Division Foreman (hereafter Foreman) or by an authorized representative.

Payment: Payment of the annual charge for the particular level of service shall be made in 12 equal monthly payments following the Village's receipt and approval of an invoice at the conclusion of each month's service. Charges for excluded contractual work shall be detailed and included on the monthly invoice and paid in connection with the monthly payment. Failure to submit certified payroll and waivers with invoice may delay invoice payment. **All invoices must include the PO number associated with the order and shall be submitted to the Village of Schaumburg, Accounts Payable Division, 101 Schaumburg Rd., Schaumburg, IL 60193.**

- **Preventive Maintenance:** These specifications set forth specific, routine preventive maintenance activities that the Village expects the contractor will perform on the HVAC systems serving village-owned facilities. The prospective contractor shall provide a fixed monthly compensation basis for performing this preventive work for each system identified. This fixed monthly compensation shall include the cost for materials, equipment, and overhead that are required to perform the preventive maintenance as specified.
- **Payment for General Repairs:** Bidders are required to provide pricing for standard labor hours, evening and weekend labor hours, holiday labor hours and callout fees on the ***Bid Sheet*** at the time of bid submittal for the performance of repairs that are necessary to ensure that the heating, ventilating, and air conditioning systems operate in accordance with the manufacturer's specifications. It is expected that the general repair service will be available 24 hours a day, 7 days a week, year round. Bidders must also provide a percentage factor that they would apply to the cost of repair parts that they pay the supplier as a mark-up in determining the Village's cost for the repair parts. All repairs shall be approved in advance by the Director or his designee.

A listing of Village-owned buildings, as well as most HVAC equipment contained therein, is noted on *Attachment A*. The listing is not meant to be inclusive of all equipment covered under the contract; rather it should serve as an indication of the type and size of each system.

Maintenance of additional HVAC equipment in any Village buildings during the life of this contract shall be negotiated between the Village and contractor at a mutually agreed upon rate and shall be based on the same timetable as noted in the *Terms of Contract*.

Prosecution of Work: The purpose of this contract is 1) to assure that all components of the systems and installations operate essentially as originally installed or as subsequently modified, and 2) for preventive maintenance, to guard against and prevent equipment failures due to mechanical or electrical defects. The proper functioning of the systems and installations is essential to maintain the continuous, expeditious, and safe operation of the equipment. Consequently, it is imperative that all equipment in the systems and installations be serviceable and in good operating condition at all times so as to insure maximum working efficiency and prevent unnecessary failures. When equipment failures do occur, regardless of cause, **time is of the essence** in arriving at the scene and taking corrective measures.

Communications: The contractor shall set up a 24 hour a day communication system with the Village. The contractor and the Village shall jointly establish a system whereby notice can be given by the Village to the contractor indicating problems, complaints, and other contract discrepancies. The system shall include a method by which the contractor shall formally respond to these requests and notices.

All contractors' employees shall be provided a cellular phone at the contractor's expense, the number of which shall be provided to the Village. The contractor is responsible to maintain a current list and provide said list to the Village any time a change is made.

Emergency Calls: In case of emergency, the contractor shall provide 24 hour operation, maintenance, and repair service, including Saturdays, Sundays, and holidays, to correct any malfunction of equipment or effect any temporary emergency repairs to damaged equipment from any cause. *Response shall be immediate, or no more than 2 hours from the time the service request is placed.*

Personnel: The contractor may be working in areas containing sensitive or restricted information or materials.

All contractor employees will display Village approved photo identification badges while working on Village premises. No employees will be allowed access to any area without displaying the required identification badge. Employees shall wear uniforms with a company identification patch at all times while working on Village premises.

The awarded company shall file proof of insurance and written endorsement as stipulated in the General Supplemental Additional Conditions and will be responsible for providing the Village with renewal certificates prior to expiration.

Prior to commencing work, the contractor shall submit to the Director of Police, or designee, the names, home addresses, date of birth, social security numbers, immigration documents (if applicable) and driver's license numbers of all employees to be engaged in work specified herein or having access to the buildings in an inspecting or supervisory capacity, and the contractor shall cause to be completed fingerprint charts and personal history statements of all employees. *No employees at any time during the contract period shall commence work until the above listed information has been submitted to and written clearance received from the Director of Police.* The contractor shall provide written authorization from prospective employees for the Village to perform the security clearances required in this contract. Employees of the contractor shall be subject to the same standards of pre-employment examinations as regular full-time employees of the Village and shall be held to the same standards of conduct. The contractor will provide and maintain a current list of employees working on the Village account. Copies of the listing shall be issued to the Director of Police, Director, and Superintendent of Support Services.

The Village shall have and shall exercise full and complete control over granting, denying, withholding, or terminating clearance for contractor's employees. Employees whom the Village deems careless, discourteous, or otherwise objectionable or who cannot meet standards required for security or other reasons, will be prohibited from entering the buildings to perform work.

Security and Access: The contractor may work in areas which are under secured access. All secured areas shall be maintained in a secured condition and these areas shall be locked immediately upon completing the required work.

Each day, access cards or keys will be furnished to the contractor so as to allow access to the various areas to be maintained. The access cards or keys will be issued from, and shall be returned to, a location designated by the Foreman at the completion of each working shift. The

contractor's representative will sign for each access card or key set received and a log shall be maintained by the Village.

Qualified Personnel: The contractor shall at all times maintain a force of qualified Journeymen and technicians sufficient to perform the work required and described herein. The contractor's Journeymen shall be qualified to operate and program the following building automation systems hereafter (BAS); Lynxspring JENEsys, Tridium NiagaraAX and Johnson controls, Metasys. The force of qualified technicians shall be sufficient to respond to emergency calls which may be received at any time, and to promptly make temporary and permanent repairs. Technicians shall be fluent in both written and spoken conversational English, self-motivated, and capable of working without direct supervision.

The journeymen assigned to maintain mechanical systems will be qualified to service the equipment type under contract as well as all associated pneumatic, electric, and electronic controls. The journeymen shall have significant experience in the field of HVAC system service. Written documentation and references for each journeymen shall be provided to the Village prior to work by the journeymen.

Journeymen: The contractor shall designate a journeyman(s) that will be assigned to the Village's account, and provide the name and other pertinent information on the individual(s) as may be necessary for the Village to contact the person(s) in the future. This designation of personnel may be subject to change during the course of the contract, provided that the Village is presented with adequate notice of said change and personnel assigned pass the Village's security scrutiny.

The journeymen shall contact the Foreman whenever on Village premises to perform preventive or general repair service, so as to enable the Foreman to coordinate all of contract needs. The technician shall supply service tickets for all work performed on a daily basis to include scheduled preventive maintenance work.

Concurrent Operations: This contract is a nonexclusive contract with the Village. The Village reserves the right to use other contractors or its own employees to perform work similar to that being performed under the terms of this contract. Performance of work by others shall be construed as being consistent with the terms of this contract and shall not be cause for the contractor to cease performance of work as directed.

Licenses and Permits: The contractor shall, at his/her expense, procure all necessary licenses and permits needed to conduct the work required under the terms of this contract. The Village will waive the cost of all required Village licenses, fees and permits, with the exception of those license and fees associated with securing a business license to conduct business within the Village.

Subcontracts: The contractor will not be allowed to subcontract work under this contract unless written approval is granted by the Director. The subcontractor, as approved, shall be bound by the conditions of the contract between the Village and the contractor, and shall perform in accordance with all terms of the contract and specifications. All required notices, work orders, directives, and requests for emergency services will be directed to the contractor.

Severability: If any portion of this contract is found to be unenforceable by a competent court of law having jurisdiction, the remaining portions of the contract shall remain in full force and effect.

Special and Unforeseen Work Requested by the Village: Due to the generalized nature of the work under this contract, instances may occur where the Village desires to have additional HVAC services provided outside the original intent of these specifications. Payment for these services will be made based on a price per man-hour for the employees of the contractor, as bid on the *Bid Sheet* for the performance of the additional work, plus any necessary parts and supplies that the contractor may reasonably require. The contractor shall provide the Village with material costs in advance, and the Village reserves the right to purchase the parts from another vendor for use by the contractor if the Village believes that the cost for the parts and supplies is not reasonable. Requests for additional work shall be authorized in writing only through the Director or designee.

Work Not Covered: Any work required, which may be questionable under the terms of this contract or beyond these specifications, shall be negotiated for settlement between the Director or Foreman and the contractor and is subject to approval by the Village. In any event, charges for labor and materials shall be bound by the rates set forth in this contract.

Warranty of installed systems: Any system, subsystem or component installed under the contract that fails within the allotted manufacturer's warranty period for the system, subsystem or component, will include parts, labor, and travel to replace or correct the failure.

Response Time: The contractor shall supply the following information with the *Bid Sheet*:

- a) Location of service facility for this contract.
- b) Number of servicemen at this facility.
- c) Response time for this contract.

Exceptions: Any exceptions to the specifications shall be noted on the *Detail Exception Sheet* and included at the time of submittal.

PREVENTIVE MAINTENANCE

The contractor will maintain all HVAC equipment covered under this contract according to the manufacturer's recommended preventive maintenance schedule. The following preventive maintenance operations are representative of the manufacturer's recommended preventive maintenance operations and schedules. All deficiencies discovered during the preventive maintenance procedures shall be corrected and proper operation of the HVAC system restored according to the terms of this contract.

• General Maintenance

- A. Inspect the entire system.
- B. Check operation and condition of all components.
- C. Adjust and check motors, starters, valves, VFD drives, and accessories.
- D. Lubricate all moving parts, add compressor oil as needed.
- E. Drain, flush, and refill evaporative condensers and cooling towers during cooling season, and drain water at time of winter shutdown inspection.
- F. Clean spray nozzles and air cooled condensers.
- G. Check for refrigerant leaks.
- H. Adjust and lubricate damper linkage.
- I. Inspect air dampers and damper motors.
- J. Check and adjust:
 1. Gas fired unit heaters

- 2. Gas fired boiler
 - 3. Oil burners
 - 4. Heating equipment controls
 - K. To inspect the following:
 - 1. All interconnecting refrigerant, condenser water, and chilled water piping.
 - 2. All insulation on the equipment and refrigerant piping.
 - 3. All capacity, temperature, and safety devices which control the equipment.
 - 4. Steam traps and manual service valves at the equipment.
 - 5. Electric wiring from the starter to the motor.
 - L. All refrigerants shall be recovered and recycled in accordance with all applicable federal, state, and local regulations.
 - M. Monitor Building Automation Systems and make adjustment as needed to maintain temperatures
- **Air filtration systems (Except Public Safety shooting range systems)**
 All air filters will be replaced quarterly. Air filters with a MERV (Minimum Efficiency Reporting Value as determined by ANSI/ASHRAE Standard 52.2 Test Procedure) rating of 8 or higher will be used. **All air filters shall be supplied by the contractor as part of this contract, see attachment B for filter listing.**
 - **Air Handlers, Hot Water Unit Heaters, Etc.**
 - A. Monthly Maintenance:
 - 1. Check pneumatic and electronic controls and panels.
 - 2. Check after cooler oil and water bowls.
 - 3. Check air handlers for operation.
 - 4. Check circulating pumps and hot water heaters.
 - 5. Check Martingale switch station temperature.
 - 6. Inspect bag filters (change with 1" Water Column reading).
 - 7. Check belts on air handlers and air compressors.
 - 8. Treat cooling towers once a month to fill biocide floater and check continuity of the water to ensure there is no growth in the tower.
 - 9. Check evaporator pans drains, and add pan tablets to control musty smells.
 - B. Quarterly Maintenance:
 - 1. Lubricate fan bearings.
 - 2. Check and replace (as necessary) grease lines to bearing.
 - 3. Check all bearing set screws.
 - 4. Lubricate fan motors.
 - 5. Align sheaves and check level of shafts.
 - C. Yearly Maintenance:
 - 1. Inspect electrical wiring.
 - 2. Clean fan wheels and shafts.
 - 3. Clean drain opening and drain liners.
 - 4. Check and clean dampers, damper linkages. Check set screws and blade adjustments.
 - 5. Clean and check vanes, vane linkages, check set screws and vane adjustments.
 - 6. Clean outside air intake screens and louvers.
 - 7. Clean grease and dirt off of the outside cabinet.

8. Inspect and clean all coils (including reheat).
- **Temperature Controllers**
 1. All pneumatic and electric temperature transmitter controllers, etc., shall be cleaned and checked for calibration once a year. Replace as needed or required.
 2. Check and clean or replace restrictors once a year. (Replace with same.)
 3. Check all service lines for leaks.
 4. Check and calibrate all motor controls.
 5. Replace motor control adjustment springs once a year.
 - **Variable Air Volume (VAV) units**
 1. Check reheat coils – clean as needed.
 2. Check and inspect damper control linkage and adjustments.
 - **Exhaust Vents**
 - A. Quarterly Maintenance:
 1. Grease or oil motors and fan shafts bearings, clean off excessive dirt, grease, and oil. Replace as needed.
 2. Check belts for wear and tension. Replace as needed.
 - B. Yearly Maintenance:
 1. Clean off blades.
 2. Clean and lubricate gravity dampers.
 3. Check wiring and controls. Replace as needed.
 - **Air Compressors**
 - A. Quarterly Maintenance:
 1. Lubricate motors or air compressors.
 2. Drain tank of condensate water.
 3. Check bolts and fittings.
 4. Check and clean intake filters and check oil level.
 5. Check belts and tension. Replace as needed.
 6. Clean dirt and oil off entire unit.
 7. Check bolts nuts, set screws, fitting, etc., for tightness.
 - B. Yearly Maintenance:
 1. Change oil in compressor using manufacturers recommended oil.
 2. Check all safety controls, and starting controls.
 3. Check all wiring for wear or heat distortion. Replace as needed.
 - **Roof Heaters – Unit Heaters, Etc. (Gas)**
 - A. Start up (each heating season):
 1. Check and adjust pilot and burners.
 2. Check all controls and relights for operation. Replace as needed.
 3. Clean and check thermostats for operation. Replace as needed.
 4. Check for natural gas leaks.
 5. Clean pilot orifice, main burners, heater exchanger, cabinets, motor blades, etc. Replace as needed.
 6. Check and clean exhaust pipes.
 7. Oil motors.

8. Check, clean, and adjust any dampers, control motors, etc.
9. Check for cracks or carbon gas leakage in heat exchangers.

B. Quarterly Maintenance:

1. Lubricate motors, bearings, etc.
2. Change filters.
3. Align sheaves and check level of shafts.
4. Check fan belt and tension.

C. End of each heating season:

1. *Use start up, monthly maintenance, and quarterly maintenance lists.*

- **Chillers**

A. Start up each cooling season:

1. Clean condenser tubes as per industry standard best practices. Additional attention shall be required during spring as needed to assure coils remain free of accumulations that could impede air flow.
2. Check all controls and wiring for operation and replace as needed.
3. Check oil, refrigerant, discharge temp., etc.
4. Test for refrigerant leak. Make repairs as needed.
5. Clean unit, compressor, etc., of excess grease, oil, dirt, etc.
6. Check all pumps, valves, pipes, insulation, etc.

B. Monthly Maintenance:

1. Check oil level.
2. Check oil pressure.
3. Check flow of refrigerant - check for leaks.
4. Check and clean condenser fins and tubes as needed throughout the cooling months April - September
5. Check discharge pressure.
6. Check condenser tubes.
7. Check oil color/condition and replace if needed.
8. Clean condenser tubes as needed.
9. Test and adjust hydronic system conditioning levels.

C. Shut Down at the end of the cooling season:

1. Check system for leaks.
2. Test condenser for leaks.
3. Drain, inspect, and refill with new oil.
4. Clean unit of excess oil, dirt, etc.

- **A/C Condensers**

A. Start up each cooling season:

1. Clean coils as per industry standard best practices, clean interior cabinet, motors, fan blades, compressor, etc.
2. Check oil, refrigerant level.
3. Test for leaks of refrigerant.
4. Check all controls, wiring, and connection. Replace as needed.
5. Replace suction line insulation where needed.

B. Monthly Maintenance:

1. Check oil level.
 2. Check oil pressure.
 3. Check flow of refrigerant
 4. Check discharge pressure.
 5. Check condenser coils for foreign matter.
 6. Check refrigerant lines and controls for leaks.
 7. Check and clean window A/C unit filters.
- C. Quarterly Maintenance:
1. Lubricate motors.
- D. Shut Down at end of the cooling season:
1. Check system for leaks.
 2. Drain, inspect, and refill compressor with new oil as per manufacturer's recommendations.
 3. Clean unit of excess, dirt, oil, etc., from compressor, condenser coil, motors, and fan blades.
 4. Check controls, wiring, check all connections.
- **Boilers - Small**
 - A. Start up at each heating season:
 1. Check all burners and flue ways.
 2. Inspect and adjust burners and pilot lights.
 3. Check venting system.
 4. Check base insulation.
 5. Check all controls, relief valves, and wiring.
 6. Check for leaks in the boiler and piping systems.
 7. Check and adjust any applicable hydronic conditioning systems
 8. Flush tank.
 - B. Monthly Maintenance:
 1. Check relief valve for proper operation.
 2. Check pilot and burners.
 3. Check venting.
 4. Check boiler temperature and pressure.
 5. Test and adjust hydronic system conditioning levels.
 - C. Shut Down at the end of the heating season:
 1. Clean boiler panels, burners, and clean-out plates.
 2. Check controls and wiring, etc.
 3. Flush tank, check tubes and clean as per industry standard best practices.
 4. Check for gas leaks.
 5. Replace thermocouple.
 - **Circulating Pumps**
 - A. Quarterly Maintenance:
 1. Check oil level if applicable.
 2. Check all fasteners, set screws for tightness.
 - B. Yearly Maintenance:
 1. Check motor wiring from control to motor.

- **Cooling Towers**

- A. Start up each cooling season:
 1. Clean debris inlet air screens.
 2. Flush cold water sump.
 3. Clean or replace sump screens.
 4. Clean and check fan blades.
 5. Check locking collars and bearings.
 6. Check and adjust fan belt and replace if needed.
 7. Lubricate fan shaft and motor bearing.
 8. Check all floats, valves, etc., for operation.
 9. Check and clean spray nozzles and heat transfer section.
 10. Check all controls and wiring.
 11. Adjust and check bleed.
- B. Twenty-four hours later:
 1. Check unit for unusual noises.
 2. Check operating water level.
 3. Readjust fan belts tension.
 4. Inspect spray nozzles and heat transfer section.
- C. Monthly Maintenance:
 1. Clean debris from unit.
 2. Clean and flush sump.
 3. Clean sump strainer.
 4. Check and adjust sump water level.
 5. Inspect spray nozzles and heat transfer section.
 6. Check fan belt tension.
 7. Check and adjust bleed rate.
 8. Check water make-up valve.
 9. Test and adjust hydronic system conditioning levels.
- D. Twice a year:
 1. Check bearing locking collars.
 2. Check motor voltage and current.
 3. Lubricate bearings.
 4. Lubricate motor base adjust screw.
- E. Shut down at the end of cooling season:
 1. Clean debris from unit
 2. Clean and flush sump.
 3. Clean sump strainer.
 4. Lubricate shaft bearings.
 5. Lubricate motor base adjusting screw.
 6. Drain sump and piping.
 7. Check all controls and wiring.

- **Boilers – Large**

- A. Monthly Maintenance:
 1. Check low water fuel cutoff and alarm.
 2. Check fire.

3. Check igniter.
4. Check flame failure detection system.
5. Check boiler temperature and pressure
6. Test all fan and air pressure interlocks.
7. Check main burners safety shutoff valves for leakage.
8. Check low fire start switch.
9. Test high and low fuel pressure switch.
10. Test and adjust hydronic system conditioning levels.

B. Six Month Maintenance:

1. Inspect burner components.
2. Check flame failure system (include vacuum tubes, amplifiers, and relays).
3. Check piping and wiring of interlocks and shutoff valves.
4. Recalibrate all indicators, etc., gauges.

C. Yearly Maintenance:

1. Replace vacuum tubes, scanner, and flame rods in flame failure system.
2. Check all coils, diaphragms, controls, and shutoff valves.
3. Conduct pilot turndown test.
4. Flush tank, check tubes, and clean if applicable.
5. Check venting at exhaust stacks.
6. Check any applicable hydronic conditioning systems and assure hydronic system is properly conditioned to protect boiler and distribution plumbing

- **Public Safety Shooting Range Air Filtration Air Handler.**

The shooting range air filtration system is a special system designed to remove the fine particulates associated with the ranges firearm activities. These particulates may contain lead from the projectiles. Special precaution must be used when handling or working on this filtration system. A list of these filters is included on "Attachment A" under Public Safety Building.

A. Weekly Maintenance:

1. Check HEPA filters for resistance.
2. Check the electronic air cleaner for buildup (clean if necessary).
3. Advance roll filters if dirty.
4. Check HEPA wires are intact and tight (electronic air cleaner).
5. Check for no shorting inside unit (electronic air cleaner).

B. Monthly Maintenance:

1. Clean intake screens (electronic air filter).
2. Wash down plates of electronic air filter.
3. Apply a new film of Viscosine (electronic filter).
4. Check cell and door insulators if intact (electronic filter).
5. Check cell and door contacts are not bent (electronic filter).
6. Check washer drive, nozzles, for operation (electronic filter).
7. Check and clean drain pans, drains (electronic filter).
8. Clean heating and cooling coils, pans, and drains.
9. Advise Village staff if the HEPA filters resistance meets replacement specifications.
10. Advance roll filters.

- C. Three Month Maintenance
 1. Clean dampers and assemblies.
 2. Check and calibrate air monitor control panel.
 3. Check and clean shielded static air probes.

NOTE: Include regular air handler maintenance.

- D. Six month maintenance
 1. Replace all HEPA filters.

- **Robert O. Atcher Municipal Center Chiller System Seasonal Maintenance**

1. Fill chiller system with environmentally safe propylene glycol solution at a percentage to support continued use of chiller system year round
2. Maintain the chiller system at this protection level checking concentration and freeze protection monthly throughout the winter season November-March
3. Any required glycol will be provided by the contractor
4. Any drained or replaced glycol solution will be disposed of in accordance with Federal, State and local regulations.

Building Automation Systems

The Village has in place several operational building automation systems (BAS). The awarded contractor is expected to monitor these BAS systems, respond to warnings, failure alerts and make adjustments in the BAS as needed to maintain proper facility temperatures and HVAC balance. These systems will be identified on Attachment A of this bid package. Please submit proof with your bid submittal of your company's ability to work within the BAS systems indicated.

Mechanical Rooms

The contractor shall maintain the mechanical rooms in a safe, clean and orderly manner. All replaced components, parts or hardware etc. shall be removed from the immediate equipment areas and discarded. Floors will be kept free from debris, oil, grease or any other products used in support of this contract.

Alterations/Modifications: Any alterations or modifications of the HVAC systems performed under the contract shall be made only by written agreement between the contractor and the Village, and shall be made prior to commencement of the altered or modified work. No claims for any extra work or materials shall be allowed unless preceded by written agreement.

Maintenance Inspections/Reports: The contractor shall periodically (at least monthly) inspect the respective systems for failure and improper or non-operation of equipment providing documentation of such inspection. ***An inspection schedule shall be issued by the contractor upon award of the contract.*** Any maintenance operations found unsatisfactory, and equipment found not properly maintained, and any repair or extra work found necessary by the Director or Superintendent of Support Services, shall be reported to the contractor and confirmed in writing. Upon receipt of such report, the contractor shall immediately make the necessary corrections and perform any work necessary to bring the system up to the prescribed standard. The contractor shall submit a report to the Director or Foreman indicating that the work covered by the Director's or Superintendent's report has been completed, giving the date of completion of the work.

Invoicing: The contractor shall invoice the Village for preventive and general repair work performed under this contract within 30 calendar days of its completion. All invoices shall be sent to the attention of the Village of Schaumburg, Finance Department, Accounts Payable, 101 Schaumburg Ct., Schaumburg, IL 60193-1899. The invoice for general repair work shall detail the name of the technician(s), time, date, location of the general repair, accompanied by a specific detail of parts used to make the repair; the cost paid the supplier by the contractor, and the cost to the Village for said same parts. *Certified payroll and waivers must be submitted with invoicing. Failure to submit proper documentation may result in delay of invoice payment.*

Inventory of Parts/Materials/Equipment: The contractor shall maintain in their local office an adequate inventory of repair and replacement parts and components, and shall demonstrate if requested that they own the proper tools and test equipment to maintain all the systems under contract. The contractor shall act in the best interest of the Village in the selection of material and equipment which has been authorized for purchase by the Director or Superintendent.

Unauthorized Repairs: The contractor shall promptly report to the Director or Foreman any unauthorized construction or repair work being done by others upon Village owned equipment being maintained by the contractor. The contractor shall also report any construction or repair work in progress, which work may endanger the equipment of the system.

Inspection Services: The contractor shall make all necessary calls when requested by the Director or Foreman to supervise the installation by others of additional or auxiliary equipment to any of the Village systems. The contractor shall make a written report of such inspections, accepting or rejecting the installation for maintenance.

System Downtime: The contractor shall promptly notify the Director or Foreman of the disablement of any piece of equipment on any system due to an accident or other cause, such as broken parts, or other difficulties, when such pieces of equipment cannot be readily repaired, making it necessary to discontinue operation of all or part of the installation.

Protection of Public and Private Property: The contractor shall exercise all necessary caution to protect pedestrian traffic and to protect all public and private property from injury or damage caused by the contractor's operations. Any practice obviously hazardous in the opinion of the Director or Foreman shall be immediately discontinued by the contractor upon receipt of either written or oral notice to discontinue such practice. The contractor shall comply with all OSHA and other federal, state, and municipal safety standards and policies.

Accidents: In the event of accidents of any kind, the contractor shall immediately notify the Director or Superintendent, and the Police Department, to secure an accident report, and shall provide a full accounting of all details of the accident. The contractor shall furnish the Village with copies of all reports of such accidents at the same time that the reports are forwarded to any other interested parties.

DETAILED COST SHEET

Note: The Bidder must transfer the total from this sheet to the *Bid Sheet*. Failure to transfer the total to the *Bid Sheet* may be cause for rejection of the bid submittal.

HVAC MAINTENANCE IN VILLAGE OWNED BUILDINGS	
FACILITY	ANNUAL MAINTENANCE COST
Airport Terminal Building	\$
Boomers Baseball Park	\$
Atcher Municipal Center	\$
Barn / Teen Center	\$
Engineering & Public Works / Fire Station #55	\$
Family Counseling Center	\$
Fire Station #51	\$
Fire Station #52	\$
Fire Station #53	\$
Fire Station #54	\$
Jennings House	\$
Metra Rail Station	\$
Olde School House Museum	\$
Prairie Center for the Arts	\$
Public Safety Building	\$
Schweikher House	\$
Nursing division	\$
Trickster Gallery	\$
Vehicle Maintenance Facility	\$
Water Division Sites (Fourteen (14) sites)	\$
TOTAL ANNUAL COST <i>*Transfer to Bid Sheet</i>	\$

DETAILED COST SHEET

Location of service facility for this Contract:		
(Facility Name→)		
(Facility Address→)		
(Facility Phone→)		
Number of service Journeymen at this facility:		← personnel
Represented response time for this Contract:		← minutes maximum
Please indicate date of site inspection→		

BID SHEET

Note: the Bidder must complete all portions of the Bid Sheet.

The undersigned, having examined the specifications and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals specified for the price below.

The undersigned Bidder certifies that they are not barred from bidding on this contract as a result of a conviction for the violation of state laws prohibiting bid rigging or bid rotating, (720ILCS 5/33E-1, et seq.) and is not delinquent in any taxes to the Illinois Department of Revenue. (65ILCS 5/11-42.1-1)

It is understood that the Village reserves the right to reject any and all bids and to waive any irregularities and that the prices contained herein will remain valid for a period of not less than sixty (60) days.

I (We) propose to complete the following project as more fully described in the specifications for the following:

Bidding Company Name: _____

HVAC MAINTENANCE IN VILLAGE OWNED BUILDINGS

Total annual cost of HVAC maintenance in Village owned buildings, as specified. <i>Transferred from Detailed Cost Sheet</i> <i>(10% Bid Security shall be based on this figure)</i>	\$ _____
---	----------

GENERAL REPAIR HOURLY RATE, INCLUDING LABOR & EQUIPMENT	
Standard Hourly Rate (Vehicle charges to be included)	\$ _____ /Hour
Evening and Weekend Hourly Rate	\$ _____ /Hour
Holiday Hourly Rate	\$ _____ /Hour
Callout Fees, which would equate to a fee attributable to dispatching a technician to the site, and is exclusive to the hours for making the repairs.	\$ _____

PARTS COST MARK-UP PERCENTAGE	
Percentage of mark up on price paid by Contractor for repair parts.→	%

Have you included the following with your bid submittal?

Bid Bond	YES	NO
References	YES	NO
State & Local License Certificate	YES	NO
BAS Systems Certificates	YES	NO

If it is the Contractor's intention to utilize a subcontractor(s) to fulfill the requirements of this contract, the Village must be advised of the subcontractor's company name, address, telephone and fax numbers, and a contact person's name at the time of bid submittal.		
Will you be utilizing a subcontractor?	YES	NO
If yes, have you included all required information with your bid submittal?	YES	NO

We acknowledge all invoices, clearly marked with the PO #, must be submitted to Accounts Payable, 101 Schaumburg Rd., Schaumburg, IL 60193. Certified Payroll & Waivers must be included, if applicable.	YES
--	-----

We understand payment of prevailing wage is a requirement of this contract. We agree to submit monthly certified payroll to the Village no later than the 15 th of each month in which work has been performed.	YES	NO
--	-----	----

Electronic Bid Bond ID#: _____, By indicating the Electronic Bid Bond ID # in the space provided, and by signing and submitting this *Bid Sheet*, the Bidder is ensuring the identified Electronic Bid Bond has been executed and the Bond is in compliance with the requirements of the bid security stated in this Invitation for Bid.

INDEMNIFICATION: The Bidder hereby agrees to protect, defend, indemnify, and save harmless the Village against loss, damage, or expense from any suit, claim, demand, judgment, cause of action, or shortage initiated by any person whatsoever, arising or alleged to have arisen out of work described herein, except that in no instance shall the Bidder be held responsible for any liability, claim, demand, or cause of action attributable solely to the negligence of the Village.

I hereby certify that the item(s) proposed is/are in accordance with the specifications as noted and that the prices quoted are not subject to change; and that

_____ (Company Name) is not barred by law from submitting a bid to the Village for the project contemplated herein because of a conviction for prior violations of either Illinois Compiled Statutes, 720 ILCS 5/33E-3 (Bid Rigging) or 720 ILCS 5/33-4 (Bid Rotating); and that

_____ (Company Name) is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1; and that

_____ (Company Name) provides a drug free workplace pursuant 30 ILCS 580/1, et seq.; and that

_____ (Company Name) certifies they have a substance-abuse program and provide drug testing in accordance with 820 ILCS 265/1 et. seq., Public Act 095-0635; and that

_____ (Company Name) is in compliance with the Illinois Human Rights Act 775 ILCS 5/1.101, et seq. including establishment and maintenance of sexual harassment policies and program.

Bidder's Firm Name

Signed Name and Title

Street Address

Print Name and Title

City State Zip Code

E-mail Address

Phone Number

Fax Number

Date

**BIDDER'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

Date: _____

Project No: PW-474 18

Project Name: HVAC Maintenance & Repair

To: Village of Schaumburg

1. The undersigned, having submitted a bid to the Village for the construction of the above identified project, acknowledges that:
 - a. Specified rates to all laborers are included in the contract.
 - b. Correction of any infractions of the aforesaid conditions, including infractions by any or their subcontractors and any lower tier subcontractors, is the undersigned's responsibility.

2. Bidder certifies that:
 - a. Neither the undersigned nor any firm, partnership, or association in which they have a substantial interest is designated as an ineligible contractor by the Department of Labor pursuant to 820 ILCS 130/11a.
 - b. No part of the aforementioned bid has been or will be subcontracted to any subcontractor if such subcontractor or any firm, corporation, partnership, or association in which such subcontractor has a substantial interest is designated as an ineligible contractor pursuant to 820 ILCS 130/11a.
 - c. The undersigned shall comply with the provisions of 820 ILCS 130/11a, et seq.
 - d. All employees shall be paid pursuant to the general prevailing rate as determined by the Illinois Department of Labor.

3. We agree to obtain and forward to the aforementioned recipient within ten (10) days after their execution of any subcontract including those executed by their subcontractors and any lower tier subcontractors, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wage Requirements executed by the subcontractors.

4. We certify that:
 - a. The legal name and the business address of the undersigned are:

 - b. The undersigned is:
 - (1.) A Single Proprietorship _____
 - (2.) A Partnership _____
 - (3.) A Corporation Organized in the State of _____
 - (4.) Other Organization _____

 - c. The Name, Title, and Address of the Owner, Partners, or Officers of the Undersigned Are:

- d. The Names and Addresses of all other persons, both natural and corporate, having a substantial interest in the undersigned and the nature of the interest (If none, so state):

- e. The Names, Addresses, and Trade Classifications if all other building construction contractors in which the undersigned has a substantial interest are (If none, so state):

Contractor

By: _____

Date: _____

ATTACHMENT A

TRICKSTER ART GALLERY

190 S. Roselle Road

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	4298F77566	Outside NW Corner	525,000 - 425-250	Carrier - 48EWE034	510DA
2	4298G30767	Outside NE Corner	250,000 - 2000,000	Carrier - 48TJE014	531GA
3	Exhaust Fan	North side of building	N/A	N/A	N/A

SCHWEIKHER HOUSE

645 S. Meacham

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	Four	Basement	250,000	Weil-McLain-EG-65-SPDN	EG-Boiler 250,000
2	4-Circulator Pumps	Basement	N/A	Taco 0011-F4	Taco Cartridge Circulator Pumps
3	RHNG 0800100123	Basement	N/A	Rheem 41V5085	Hot water heater 40,000

AIRPORT TERMINAL BUILDING

903 W. Irving Park Road

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	HVAC-2	Lower Level	100 MBH 81 MBH	Carrier 58 TUP	Furnace 2,210 CFM
2	HVAC-2	Lower Level	100 MBH 81 MBH	Carrier 58TUP	Furnace 1,755 CFM
3	ACCU-1 for HVAC1	Outside	208-3P Condenser	Carrier 38AK007	Hermatic Condenser
4	ACCU-2 for HVAC	Outside	208-3P Condenser	Carrier 38AK007	Hermatic Condenser
5	B1 Infrared heater (4)	Hangar	125 MBH x 4 Units 5000,000 MBH	Re-Varber Ray DRV-125	Gas-INAD Infrared Heaters
6	V1 Vacuum Pump	Hangar	N/A	Re-Varber-Ray PB-10A	Vacuum Pump
7	RTU-1	Roof (Terminal Offices)	203,580-132,2	Carrier 48TJD020	Roof Top HVAC Unit
8	RTU-2 2610630637	Roof FBO Hangar Offices	106,620-78,690	Carrier 48TCED09A2A5A0A0A0	Roof Top HVAC Unit
9	EF-1	Roof	N/A	Greeneck G-90-D	300CFM Exhaust Fan
10	EF-2	Roof	N/A	Greeneck G-85-D	CFM Exhaust Fan
11	EF-3	Hangar Wall Mount	N/A	Greeneck SBE-IL36-10	10,000 CFM Exhaust Fan
12	EF-4	Roof	N/A	Greeneck G-100-a	500 CFM Exhaust Fan
13	TE-1	Roof	N/A	Greeneck G-100-A	1,080 CFM Exhaust Fan
14	TE-2	Roof	N/A	Greeneck G-80-D	224 CFM Exhaust Fan

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
15	AYL 72T8N22	East - Outside	N/A	Reznor	AC Unit
16	086MV7	End of Building	N/A	DV-115	AC Unit
17	0033594	OW Tar Mac	N/A	Sanyo CL1822	AC Condensing Unit
18	0130694	In Skip's Office	N/A	Sanyo KS-1822	AC Condensing Unit
19	0068894	Mtg.Rm.Outside West End	N/A	Sanyo CL-2432	Make UP Air Unit

THE BARN/TEEN CENTER
231 S. Civic Drive

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	N/A	1st Floor Machine Room	135,000 BTU Input	(1) Furnaces	58PAV-135-120
2		Attic		(4) Carrier Furnaces	
3		Attic		Make up air unit	
4		Attic		Exhaust Fan	
5	N/A	Attic	13,500 CFM	(1) Axial Exhaust Fan 3 HP	TBI-CA-3H36-15
6	N/A	Roof	N/A	Exhaust Fan	N/A
7	N/A	Outside	5 Ton	(2) AC Units	38CKW 060 Condensers
8	N/A	1st Floor Machine Room	N/A	(2) Filters Medias	Carrier FILCCFTC0024

METRA RAIL STATION
2000 S Springinguth Rd.

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	2005A15621	West side of facility		Carrier	FURNACE 58STA07011216
2	0407E25552	West side of facility	4 TON	Carrier	A/C CONDENSER 24ABR348A0031010
3	1205A28991	East side of facility		Carrier	FURNACE 58STA07011212
4	3606E18114	East side of facility	3 TON	Carrier	A/C CONDENSER 24ABR336A0031010

ATTACHMENT A

ROBERT O. ATCHER MUNICIPAL CENTER
101 Schaumburg Court

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	K3A231130 AH-A	Basement		Trane - MZ-31 Climate Changer	15HP 3PH #200-208V 44-44 Amp
2	AH-A	Basement (Return)		Trane - Climate Changer	3HP 3 PH (Return) 200V 10.1 Amps
3	K3A231129 AH-B	Basement		Trane - MZ-31 Climate Changer	15HP 3HP 200V 43 Amp
4	AH-B	Basement (Return)		Trane - Climate Changer	3HP 3 PH (Return) 200V 21 Amps
5	K79K66729 AH-C	Basement		Trane - CCDA313TEA Climate Changer	15HP 3 PH 200-208V 2 Amp 44-44 Amp
6	A79K66795 AHC-C	Basement		Trane - T25B	7.5HP 23-23 Amp 200-208V
7	P-1 AH-b	Basement	1 1/2 HP 4.4/2.2 Amp 208-230/460V	Bell & Gossett	Boiler Return
8	P-2 AH-C	Basement	1 1/2 HP 5.0-4.8/2.4 Amp 208/200/460V	Bell & Gossett	Reheat Return
9	P-5 AH-B	Basement	1/2 HP 1.8-1.7/.85 Amps 208-230 460 V	Bell & Gossett	Boiler Return
10	P-6 AH-B	Basement		Bell & Gossett	1 1/2 HP
11	P-7	Basement		Bell & Gossett	3/4 HP
12	65098619	Mech Rm 2	2,000,000/1,760,000	Mod.#EVA2000BN1-UECM	Thermal Solutions - Boiler
13	65098620	Mech Rm 2	2,000,000/1,760,000	Mod.#EVA2000BN1-UECM	Thermal Solutions - Boiler
14	T492130	In Planning for Data Processing		#4QH048300	Heater & A/C Blower Unit
15	E-1	Roof		Jenn-Air	1/2 HP 1480 CFM
16	E-2	Roof		Jenn-Air	1/15 HP 240 CFM
17	E-3	Roof		Jenn-Air	1/4 HP 540 CFM
18	E-4	Roof		Jenn-Air	1/15 HP CFM
19	E-5	Roof		Jenn-Air	1/2 HP 1200 CFM
20	E-6	Roof		Jenn-Air	1/4HP 100 CFM
21	E-7	Roof		Jenn-Air	1/15 HP 330 CFM
22	E-8	Roof		Broan	350 CFM
23	P-3	Basement		Bell & Gossett #1510	1 1/2 HP

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
24	R97B26555	Basement Storage		BCHB1361EDOL2311B5H	Trane AHU-5, 1 HP
25	U97E01874	SS Outdoor Pit		RTAA125AYH01A3D2BFQ	Trane CG-1, 125
26	M0345E9BF	Outside SS		TTR048C100A2	Trane, 47

PRAIRIE CENTER FOR THE ARTS
102 Schaumburg Court

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	K85L80349	1st Floor Mach-Room	20 HP 3 HP	#35M	Trane Climate Changer
2	K85L8C350	2nd Floor State	7 1/2 HP 3 PH	#12C	Trane Climate Changer
3	WO113772	1st Floor Mach Room	1,375,000/1,100,000	Cyclonetic #JB1G-03-L.15-IRI	Boiler
4	W011377-1	1st Floor Mach Room	1,375,000/1,100,000	Cyclonetic #JB1G-03-L.15-IRI	Boiler
5	E-1	Roof	1/20 HP 155 CFM		Carnes Exhaust Fan
6	E-2	Roof	109 Watts 100 CFM		Carnes Exhaust Fan
7	E-3	Roof	1/6 HP 1,100 CFM		Carnes Exhaust Fan
8	E-4	Roof	1/12 HP 400 CFM		Carnes Exhaust Fan
9	E-5	Roof	109 Watts 100 CFM		Carnes Exhaust Fan
10	E-6	Roof	3/4 HP 2,200 CFM		Carnes Exhaust Fan
11	E-7	Roof	3/4 HP 3,400 CFM		Carnes Exhaust Fan
12	P-1 C77470	1st Floor Mach Room	3 HP	3x3x84380	Armstrong
13	P-2 59337	1st Floor Mach Room	3/4 HP	15D-4360	Armstrong
14	J96L73312	Roof	25HP 3 PH	SFHFC40EHK47A7BDZC01AB EGKLRT8	Trane
15	L51100783D	Roof	2 HP	YFD091D3LCBE	Trane
16	P-5	1st Floor Mach Room	1 HP		TACO 1635
17	P-6	2nd Floor Stage Area	1/3 HP		Taco 1610
18	L51100926D	Roof	7.5 HP 3PH	YFD211C3LCAA	Trane
19	N/A	Garage	61 MBH	SH-84	Sterling
20	N/A	1st Floor Side Entrance	23.7 MBH	HW-100	Sterling Unit Heater
21	N/A	N/A	90MBH	HW-500	Sterling Unit Heater
22	J35J72405	Ground Level North Side	90MBH	RAVA800A	Condenser Trane
23	J85J82379	Roof	240 MBH	RAUB c-20	Condenser Trane

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
24	K85L80485	1st Floor Mach Room	#FF-PTC-115	Roll Filter Control Panel	Trane 5' Roll
25	N/A	2nd Floor Over Stage	N/A	Roll Filter Control Panel	Tran 3' Roll
26	A-E-1	Roof	1/4 HP	VEBK12L1A1UA205PC1	Carnes Exhaust Fan
27	A-E-2	Roof	1/6 HP	VEBK10K2A1UA2055SPC1	Carnes Exhaust Fan
28	A96J10769	Storage Basement	1/20 HP	UHSAO4258DAAC	Trane Unit Heater
29	A96K11278	Storage Basement	1/20 HP	USO4258DAAC	Tran Unit Heater
30	T97B93468	S. Entrance by Dock	.13 HP	FFEB0801AG0D0F30AJ2M	Tran Unit heater
31	T97B93469	S. Entrance Stairs	.13 HP	FFBB0401BG0B0C60J2M	Trane Wall Unit

ENGINEERING & PUBLIC WORKS/FIRE STATION 55
714 S. Plum Grove Road, Building A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	KOF 183781 (5HP 3PH)	1st Floor		Climate Changer	Trane Type M-8
2	KOF 183780 (2PH 3PH)	2nd Floor		Climate Changer	Trane Type M-3
3	3) 6P101	1st Floor	688,000/532,000	Thermo Pak GWA 688	Boiler
4	Three Unknown	Costumer Service Signs Workshops			Janitrol
5	C8116981	Costumer Service Signs Workshops	150000/120000	3E230	Dayton Heaters
6	5078A00851	Costumer Service Signs Workshops	200000/160000	200-342	Bryant Heater
7	Unknown	Costumer Service Signs Workshops			Bryant Heater
8	1777A0007	Streets workshop	100,000	100-342S	Bryant Heater
9	2977A00026	Garage Bays 7-10	125000/100000	125-342S	Bryant Heater
10	2977A00015	Garage Bays 7-10	125000/100000	125-342S	Bryant Heater
11	231185	Garage Bays 7-10	400,000	GF400	Darbo Hassing
12	2977A00027	West Parking Garage	125000/100000	125-342S	Bryant Heater
13	2977A00018	West Parking Garage	125000/100000	125-342S	Bryant Heater
14	2977A00028	West Parking Garage	125000/100000	125-342S	Bryant Heater
15	2977A00022	West Parking Garage	125000/100000	125-342S	Bryant Heater
16	2977A00029	West Parking Garage	125000/100000	125-342S	Bryant Heater

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
17	15101014206-0559	West Parking Garage	175000/140000	BDP175SE2131	Modine Heater
18	15101014206-0560	West Parking Garage	175000/140000	BDP175SE2131	Modine Heater
19	15101014206-0558	West Parking Garage	175000/140000	BDP175SE2131	Modine Heater
20	05-A-080	1st Floor Women's Washroom	N/A	CW-4-08	Modine Booster Heater
21	05-A-080	1st Floor Men's Washroom		CE-6-08	
22	05-A-080	1st Floor Entrance		CW-6-08	
23	1888G32959	Roof (Traffic Div.)	3/4 HP	48HDT006590	Carrier Weathermaker
24	E-10	Wall Sign shop	1/4 HP	2C675A	N/A
25	E-11	Wall Wood Shop	1/4 HP		Dayton
26	FBOU06120058602	Roof RTU-2		RPS045CSW	McQuay - Heat/AC
27	703100411L	Roof RTU-3		YSC072A4RMA2KD0C1A4b00300	American Standard - Trane
28	7034NK89H	Roof RTU-4		2YCC3030A1064AA	American Standard
29	4506G20114	Roof RTU-#		38ARD012---601--	Carrier
30	9083NSK4F	Roof RTU-#		2A7C3060A4000AA	American Standard
31	Unknown	Sever Room		Unknown	Liebert
32	Unknown	Sever Room		Unknown	Liebert
33	43998	Computer Room		CU47WA.C.Liebert Corp	
34	186863		P1 3/4 HP	Bell & Gossett	Circulating Pump
35	989869		P2 3/4 HP	Bell & Gossett	Circulating Pump
36	Series HB102210		P3 None	Bell & Gossett	Circulating Pump
37	172516		P4 1/2 HP	Bell & Gossett	Circulating Pump
38	326771.004	Roof EF-1		Carnes - VEBK10M1A1UA20SPC1	Exhaust Fan
39	328771.009	Low Roof EF 1-1		Carnes - VRBK10R1G1RA20SH1	Exhaust Fan
40	326771.003	Low Roof EF 1-2		Carnes - VEB10LA1UA20SPC1	Exhaust Fan
41	326771	Roof EF 2-1		Carnes - VEBK12M1A1UA20SPC1	Exhaust Fan
42	326771.002	Roof EF 2-2		Carnes - VEBK08LAU1A20SPC1	Exhaust Fan
43	326771.008	Roof EF 2-3		Carnes - URPK10P1GDA20SH1	Exhaust Fan
44	236771.007	Roof EF 2-4		Carnes - VEBK12M1A1UA20SPC1	Exhaust Fan
45	326771.001	Roof EF 2-5		Carnes - VEBK06M1A1UA20SPC1	Exhaust Fan

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
46		Storage L020		Carnes – VCAK0401	Exhaust Fan
47	326771.01	Roof EF 3-1		Carnes – VUBK24V1G1UA20SC1	Exhaust Fan
48	326771.029	Stairwell EF 3-3		Carnes – LWBK24M1G2	Exhaust Fan
49	301383	Exercise Room BF-1		Carnes – VCDK0701	Exhaust Fan
50	C039684-01C70	Ceiling P-1		B & G – 60 2X5 1/4	Pump
51	C039683-01C70	Ceiling P-2		B & G – 60 2X5 1/4	Pump
52	C039681-01C70	Pump Room P-3A		B & G – Series 80 - 1-1/2 X 1 1/2 X 7B	Pump
53	C039682-02C70	Pump Room P-3B		B & G – Series 80 - 1-1/2 X 1 1/2 X 7B	Pump
54	C039685-02C70	Pump Room P-4		B & G – Series 60- 1.5 X 5.25	Pump
55	C039685-01C70	Pump Room P-5		B & G – Series 60- 1.5 X 5.25	Pump
56	1030607-9292	Boiler Room MUA-2		DFG100TMLNN73F2	Modine
57	1030607-9293	Boiler Room MUA-3		DFG200TMLNW73F2	Modine

ATTACHMENT A

PUBLIC SAFETY BUILDING
1000 Schaumburg Road

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	PMZ3-25-200836-01	Roof Top #1	220,000/198,000	CME PMZ3-7GG21-36	Heat/AC
2	PMZ3-30-200836-02	Roof Top #2	220,000/198,000	CME PMZ3-7GG21-36	Heat/AC
3	D2PF048A06A	Radio Room		Air Conditioning	York
4	D404916	First Floor		UHH074A-A	Hot Water Plower
5	E400749	Basement	1/3 HP Motor	UHH-080A-E	Hot Water Plower
6	E400795	Basement		UHH-080-E	Hot Water Plower
7	E403047	Basement		UHH-028-A	Hot Water Plower
8	E402976	Basement		UHH-28A-A	Hot Water Plower
9	88-901241A	Penthouse	20 HP Motor	CS402F0AF York	
10	88-90124B	Mach Room 139	3 HP	CS74SVLP York	Vert. Draw thru AH-2
11	88-55917-01	Shooting Range	30 HP 12,000 CFM	P30AFSWS1	Pace
12	88-9012401C	Penthouse	24,500 CFM 7.5 HP	CS402F0LP	York
13	88-901241D	Mach Room 139	CS32F0L8 2 HP	3,400 CFM	York
14	88-55917-03	Shooting Range	CFM 9,000 7 1/2 HP	P27AFSWS1	Pace
15	AH-3-F1	Shooting Range	12,000 CFM	#8-50	American Filter Corp.
16	AH-3-F2	Shooting Range	12,000 CFM	#8H-48 American Filter Corp.	SA Electro Cel
17	AH-3-F3	Shooting Range	12,000 CFM	8H-48 HEPA	
18	AH-3-DH	Shooting Range	12,000 CFM	#8H-48 American Filter Corp.	Isolation Damper
19	AH-3-AS	Shooting Range	12,000 CFM	#8H-48 American Filter Corp.	Filter Fan Adapter Section
20	RE-F-3-F1	Shooting Range	9,000 CFM	#6H-48 American Filter Corp.	AM-AIR 300X
21	RE-3-AP	Shooting Range	9,000 CFM	#6H-48 American Filter Corp.	Filter Fan Adapter Plenum
22	EX-F11-F1	Shooting Range	3,600 CFM	25-48 American Filter Corp.	HJROM
23	EX-F11-F2	Shooting Range	3,600 CFM	4H-28 American Filter	HEPA
24	EX-F11-P1	Shooting Range	3,600 CFM	4H-28 American Filter	F1 Filter Intake Plenum
25	EX-F-11-TP	Shooting Range	3,600 CFM	# As Required/Amer.Filter Corp	Filter/Fan Teanisiium Plenum
26	EX-F11	Shooting Range	7 1/2 HP	9,000 CFM	Pace
27	CWP 1	Penthouse	5 HP	3AB	Bell/Gossett

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
28	CHWP	Penthouse	7 1/2 HP	2 1.2 BB	Bell/Gossett
29	HWP-1	Boiler Room	7 1/2 HP	2 1/2 BB	Bell/Gossett
30	30) HWP-2	Boiler Room	7 1/2 HP	2 1/2 BB	Bell/Gossett
31	31) HWP-3	Penthouse	1/6 HP	Series HV 1 1/4	Bell/Gossett
32	32) HWP-4	Mach Room 139	1/6 HP	Series HV 1 1/4	Bell/Gossett
33	33) HWP-5	Shooting Range	1/4 HP	1 1/4 AA	Bell/Gossett
34	34) CH-1	YFVM234224 Chiller	85 Ton	YCWE05/46	York
35	35) CT-1	88600410P Roof	10 HP 85 Ton	VXT-85 CR	Baltimore
36	36) EX-F1	Roof	1 1/2 HP 10,800 CFM	402C8B	Carnes Loren Cook
37	37) EX-F1	Garage Roof	10,800	402C8B	Loren Cook
38	38) EX-F2	Roof	1/3 HP 1,100 CFM	120C3B Carnes	Loren Cook
39	39) EX-F3	Roof	1/16 HP 600 CFM	120C2B Carnes	Loren Cook
40	40) EX-F4	Storage Room	93 Watts 250 CFM	N/A	N/A
41	41) EX-F5	Roof	1/10 HP 300 CFM	Carnes	Loren Cook
42	42) EX-F6	Roof	3/4 HP 4,900 CFM	300C6B Carnes	Loren Cook
43	43) EX-F7	Roof	1/3 HP 1,800 CFM	Carnes	Loren Cook
44	44) EX-F10	Electrical Room	82 Watts 160 CFM		
45	45) EX-F11	(See Range Spec)			
46	46) EX-F12	Boiler Room	100 Watts 500 CFM		
47	47) EX-F13	Roof	140 Watts 300 CFM	Carnes	Loren Cook
48	48) EX-F14	Roof	1/4 HP 300 CFM	100C10D	Carnes Loren Cook
49	49) EX-F15	Roof	1/4 HP 1,500 CFM	150C3B	Carnes Loren Cook
50	50) RV-1	Roof	N/A	PR12	Loren Cook Gravity Vent
51	51) RV-2	Roof	N/A	PR12	Loren Cook Gravity Vent
52	52) RV-3	Roof	N/A	PR12	Loren Cook Gravity Vent
53	53) RV-4	Roof	N/A	PR-24	Loren Cook Gravity Vent
54	54) RV-5	Roof	N/A	PR-30	Loren Cook Gravity Vent
55	55) RV-6	Roof	N/A	PR-30	Loren Cook Gravity Vent
56	56) CUH-1	888E34031	1/20 HP 24,199 BTU	RB12A003	Trane

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
57	57) CUH-2	588E344032	N/A	N/A	Trane
58	58) CUH-3	388E34033	1/30 HP 24,100 BTU	H46A003	Trane
59	59) SUH-4	D87M16623	1/8 HP 62,500 BTU	UASA 100 S-BC-AAE	Trane
60	CUH-4	888E34030	1/3 HP 24,100 BTU	B12A00	Trane
61	UV-1	N/A	3/4 HP 2,000 CFM	TUV-A-20-H	Trane
62	UV-2		3/4 HP 2,000 CFM	TUV-A-20H	Trane
63	UV-3		1/2 HP 1,250 CFM	TUV-A-15-H	Trane
64	AH1	Motor Control Panel		1576	Graham
65	FY27-14-37892 X-H	Boiler 1	2,000,000/1,700,000 BTUhr	PK Thermific N2000-MFD	Boiler
66	FY27-14-37893 X-H	Boiler 2	2,000,000/1,700,000 BTUhr	PK Thermific N2000-MFD	Boiler
67	30T633364	Boiler Room	234 A-5250-2	Ingersol Rand	2-3 HP compressor
68	30T633570	Boiler Room	234 A-5250-2	Ingersol Rand	2-3 HP compressor
69	LR21938		A-4210-5	Refrigerated Air Dryer	Johnson Controls
70	Boiler Controls		EMES-102-P		Weil McLain
71	AH-1	Mechanical room #139	3400 CFM	York	Draw through air handler
72	AH-2				Johnson Control Panel
73	AH-3				Johnson Control Panel
74	88600410p	Shooting Range	VXT85CR Filter	Control Panel	Baltimore Air Coil
75	CTI	Cooling Control Panel			Johnson Control
76	N/A	Standby Damper Control	N/A	N/A	Powers
77	N/A	North Entrance	N/A	N/A	McQuade
78	N/A	North Entrance	N/A	N/A	McQuade
79	N/A	South Entrance	N/A	N/A	McQuade
80	N/A	South Entrance	N/A	N/A	McQuade
81	N/A	Lower West Entrance	N/A	N/A	McQuade
82	AH-1	N/A	32-VAVR's Make Titus	EVS-3000	N/A
83	AH-2	N/A	6-VAR's make Titus	EVS-3000 with T/C	N/A

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
84	N/A	N/A	1 VAV Make Titus	EVA-3000	N/A
85	N/A	Cooling Tower	N/A	N/A	1 Filter
86	E403021	Bicycle Storage Heater	N/A	UHH-028A-A	Trane
87	N/A	Telephone Room	N/A	MME060E-YHO	Liebert
88	N/A	West side of Building	N/A	DMC067a-YLO	Liebert Condenser
89	T90110103	Computer Room	N/A	SRUB-B756-G	Trane
90	N/A	Radio Room	N/A	NHMC030/332	Nortec Humidifier
91	CUH-1	S88E34031	24,100 BTU	RB12A003	Trane
92	N/A	Penthouse Cooling Tower	N/A	Chemical Feeder	N/A
93	D053567	East end of Bldg.	N/A	Liebert PF-L037A PLO	Condensing Unit
94		Computer Room	N/A	Liebert Mini-Mate	AC Unit
	New Section				
95	PUG 24BKB	Roof		Mitsubishi	AC Unit
96	PV135E5	Roof		CentriMaster	
97	CDF308LA	Roof		Liebert	Condenser
98	48EKD064	Roof		Carrier	
99	AF2A-30D	West Door		TPI Corp	Wall Heater
100	AF2A-30D	North Door		TPI Corp	Wall Heater
101	EES66920	Basement		A.O. Smith	Hot Water Heater
102		Basement Server Room		Liebert	
103	EHV 703	Basement Storage Cage		Armstrong	Humidifier
104		Generator Room		Belimo	2 Actuators
105		Generator Room	5 kw	Markel	Heater

OLDE SCHOOL HOUSE MUSEUM
St. Peter's Church
220 E. Schaumburg Road

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	4284C93267	N/A	75,000 N/A	Goodman 58DP075-BA	NGFA Carrier

ATTACHMENT A

JENNINGS HOUSE
220 Civic Drive

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	0811290077	Basement	330,000	Raypak H3-0330	WT Boiler
2	N/A	N/A	N/A	Two Circulating Pumps	N/A
3	N/A	N/A	N/A	Two Zone Control Valves	N/A
4	1182322308	Basement		Rheem	Gas Water Heater 50 gal

FIRE STATION 51
950 W. Schaumburg Road

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	3105G30217	Roof Top – RT1		Carrier 48TMF005-A-501HS	Heating/Cooling
2	3205G10417	Roof Top – RT2		Carrier 48TMF004-A-501HS	Heating/Cooling
3	3005G41201	Roof Top – RT3		Carrier 48GS-03006031AD	Heating/Cooling
4	3205G10418	Roof Top – RT4		Carrier 48TMF004-A-501HS	Heating/Cooling
5	361312	Kitchen Exhaust		Captive Aire DU85HFA	Kitchen Range Hood
6		Equipment room		TPI, F3453TC	Wall Heater
7	0805116690	Mechanical room		PVI, 40P 125A-MX	Water Heater

FIRE STATION 52
1024 Meacham

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	3105G21484	Roof Top RT-1		Carrier, 48GS-030060301AD	
2	3105G20434	Roof Top RT-2		Carrier, 48TMF004-A-501HS	
3	3105G20435	Roof Top RT-3		Carrier, 48TMF004-A-501HS	
4		Roof Top		DU85HFA	Power Ventilator
5		Exercise Room 106 EF-1			Exhaust Fan, 155 CFM
6		Elec. Storage 203 EF-2			Exhaust Fan, 300 CFM
7		Turnout 126 EF-3			Exhaust Fan, 300 CFM
8		Roof Top EF-4		Penn Domex	Exhaust Fan, 5100 CFM
9		Roof Top EF-5		Penn Domex	Exhaust Fan, 900 CFM

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
10	AFH8150TC	Hose Tower	5000 W	TPI, F3455TC	Wall Heater
11	AFH8150TC	Equipment Room	5000 W	TPI, F3455TC	Wall Heater
12		Storage Room	3.3 KW	Task Master, F1F5103H	Ceiling Heater
13		Kitchen KE-1		Captive Aire, 4524ND	Kitchen Exhaust Hood

FIRE STATION 53
1351 Wright Blvd.

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	N/A	Roof	7.5 HP	208/240V 3 Phase Fan	500121
2	080-12	F-1 Lower Level		Carrier Up Flow – 58MCA	1000 CFM
3	120-20	F-2 1 st Floor		Carrier Up Flow – 58MCA	1600 CFM
4	120-20	F-3 1 st Floor		Carrier Up Flow – 58 MCA	1600 CFM
5	120-20	F-4 Lower Level		Carrier Up Flow – 58 MCA	1600 CFM
6	140-20	F-5 1 st Floor		Carrier Up Flow – 58 MCA	2000 CFM
7		EF-4A Roof		Penn Domex – DX18B	2700 CFM
8		EF-4B Roof		Penn Domex – DX18B	2700 CFM
9		EF-6 Roof		Penn Domex – DX06B	100 CFM
10		KE-1 Kitchen Range		Captive Aire – 4524ND	1050 CFM
11		Hose Tower		TPI – F3453TC	3000 Watt Air Heater
12		Gear Room		TPI – F3453TC	3000 Watt Air Heater
13		Gear Room		TPI – F3455TC	5000 Watt Air Heater
14		Main Vestibule		TPI – F3455TC	5000 Watt Air Heater
15		Back Hall		TPI – F3453TC	3000 Watt Air Heater
16		Bottom of Stairs, back		TPI – F3455TC	5000 Watt Air Heater
17		Boiler Room		TPI – F3455TC	5000 Watt Air Heater
18		Loft		Taskmaster – F2F5107CA1L	Heater

ATTACHMENT A

***FIRE STATION 54
1601 N. Roselle Road***

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	EBAM073094	Basement	140,000/134,000	York Plus	NGH
2	EBAM076350	Basement	120,000/115,000	York Plus	NGH
3	EAAM033871	Basement	120,000/115,000	York Plus	NGH
4	EBAM076302	Basement	120,000/115,000	York Plus	NGH
5	EBAM076386	Basement	120,000/115,000	York Plus	NGH
6	EBAM073092	Basement	120,000/115,000	York Plus	NGH
7	ECAP007968	Tool Room Ceiling	N/A	Central Environment Systems	
8	EBAP004828	Tool Room Ceiling	N/A	N/A	
9	N/A	Front Entrance	2,000 Watts	Markel	F3452TC
10	N/A	Side Entrance Ceiling	2,000 Watts	Markel	F3882
11	ELAM389280	Outside South Side	N/A	York	AC Condenser
12	EBAM074863	Outside South Side	N/A	York	AC Condenser
13	EDAM141516	Outside South Side	N/A	York	AC Condenser
14	EBAM074870	Outside South Side	N/A	York	AC Condenser
15	EBAMO74857	Outside South Side	N/A	York	AC Condenser
16	EBAM389274	Outside South Side	N/A	York	AC Condenser
17	EF-1	Kitchen Stove	N/A	WE48	Sun Air
18	EF-2	Roof	N/A	TQF686201	Centri Master
19	EF-3	Roof	N/A	TQF686201	Centri Master
20	EF-4	Roof	N/A	TQF686201	Centri Master
21	EF-5	Hose Tower Wall	N/A	N/A	Centri Master
22	EF-6	Roof	N/A	TQF686206	Centri Master
23	EF-7	Basement in-line duct	N/A	N/A	N/A
24	EF-8	Basement in-line duct	N/A	N/A	N/A
25	EF-9	Roof	N/A	TQF686206	Centri Master
26	Ef-10	Roof	N/A	TQF686206	Centri Master
27	N/A	N/A	N/A	4 Burner Heating System	Reflect-O Ray

ATTACHMENT A

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
28	N/A	N/A	N/A	2 Vacuum Plump	Reflect-O Ray
29	N/A	N/A	N/A	3 Motorized Dampers	
30	Total #5	Basement	N/A	Aprilaire 560	Humidifier
31	N/A	Roof	10 HP	208/240V 3 Phase Fan	500127

FAMILY COUNSELING CENTER
17 E. Schaumburg Rd.

#	SERIAL #	LOCATION	BTU IN/OUT	MAKE & MODEL	TYPE & CAPACITY
1	1009A01172	Basement	60,000 In/56,000 Out	Carrier 58MTB060F112	Upflow Furnace
2	1009A02689	Basement	80,000 In/75,000 Out	Carrier 58MTB080F116	Upflow Furnace
3	2510E29159	Outside	24,000	Carrier 24APA524A003	Condensing Unit
4	1910E00065	Outside	36,000	Carrier 24APA536A003	Condensing Unit

VEHICLE MAINTENANCE FACILITY
714 S. Plum Grove Road, Building B

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	F02L03934A	Reception Desk Office	11,600-11,300	PTHA1201JAA	Trane-Heat & Cool
2	01-4-450	Generator Room		MUH-05-4	Emerson Chromalox Heater
3	01-4-450	Fluids Room		MUH-05-4	Emerson Chromalox Heater
4	01-4-450	2nd Floor Tire Area		MUH-05-4	Emerson Chromalox Heater
5	N/A	Ceiling Foyer		G3485	Markel
6	CB335852	Wood Shop	200MBH/192.5 MBH	CF-250	Sterling
7	CB336851	Wood Shop	200MBH/192.5 MBH	CF-250	Sterling
8	BJH79Y2N59114X	Dock	60,000 BTU	Reznor VDAP60	Reznor
9	C8335850	Parts Room	125,000/96,250 BTU	CF-125	Sterling
10		Garage Maint. Section	3 HP	Pump	Bell & Gossett In Line
11	EX-2	2nd Floor Parts	1 HP	3,000 CFM Exhaust Fan	Greenheck

ATTACHMENT A

12	EX-3	Wash Area	1/2 HP	1,300 CFM Exhaust Fan	Greenheck
13	EX-4	Flammable Storage Area	1/4 HP	970 CFM	Greenheck
14	EX-5	Bath Room	3/4 HP	1,600 CFM Exhaust Fan	Greenheck
15	EX-6	Wash Area	5 HP	4,750 CFM	Car-Mon
16	E7	Garage	N/A		Four Ceiling Fans
17	E8	Garage	N/A		Four Ceiling Fans
18	E9	Parts Room	N/A		Three Ceiling Fans
19	E10	2nd Floor	1/4 HP	2,000	Greenheck
20	N/A	N/A	N/A		Eight Gravity Dampers
21	H1001015171001001	\Parts Deck		Sterling M1N- ME4OA1BO1K81R4E85E3D1L2A2	Sterling Heater
22	3310G60152	Roof Top	59,000 cooling cap./hr 115,000 / 93,000 btu	Carrier 48TCEA06A2A6A0B1	Carrier Forced Air Furnace w/ Cooling Unit
23	N018443199	Roof Top above Building Division Shop		York ZJ series ZJ060N10P4SAA1	York Heater / Cooling
24	COOO201	Split system Superintendents office second floor	9,000 btu	Daikin – FTXN09JEVJU	Heat pump model

VEHICLE MAINTENANCE FACILITY

<i>FURNACE</i>	<i>QUANTITY</i>			
Co-Ray-Vac Infrared Heating:	12	Model CRVB-4,	80,000 BTU	Shop Area
Co-Ray-Vac Infrared Heating:	4	Sealed Units		Wash Bay

ATTACHMENT A

NURSING DIVISION
521 Schaumburg Road

#	SERIAL #	LOCATION	BTU INP/OUT	MAKE & MODEL	TYPE & CAPACITY
1	8003490	Basement	250,000/50,000	OL250N Burnham	NF Boiler #12

WATER DIVISION HVAC INVENTORY

#	EQUIPMENT	ENERGY	MAKE	MODEL
Station #2 - Small Drive				
1	Heater 7.5 KW	Electric	Q Mark	MUH-05-4
2	Two Heaters 7.5 KW	Electric	Q mark	MUH-15-4
3	Vent Fan	Electric	Greenheck	D50-100-A
4	Two Fan @Louvers	Electric	Greenheck	SPDE4242530
5	Six Wall Vent Actuators - East Wall		Barber Coleman Co.	MR-418-0-0-2
6	Two Wall Vent Actuators - West Wall		Barber Coleman Co.	MR-418-0-0-2
Station #3 - Athena Ct.				
1	Heater 85,000 BTU	Gas	Janitrol	68-085-8
2	Heater	Gas	Reznor`	Unknown
Station #9 - Tower Road				
1	Heater 3.5 KW	Electric	Q Mark	MVH0321
Station #11 - Woodfield				
1	Heater 10 KW	Electric	Dayton	3UF87 UB1002D
2	Heater 7.5KW	Electric	Q Mark	MUH074
3	Ceiling Fan Vent -SW Corner			
4	Water Heater	Electric	Kenmore – 52 Gal.	153.325540
Station #12 - 325 Wise Road				
1	Heater 125,000 BTU	Gas	Sterling #TSUF-TF125A1NS111	TF125
2	Heater 30,000 BTU	Gas	Sterling	TF30
3	Wall Vent	Electric	A.O. Smith	W12

ATTACHMENT A

#	EQUIPMENT	ENERGY	MAKE	MODEL
Station #13 - Jones Road				
1	Heater 3.5 KW	Electric	Z mark	1 MUH-0521MG
Station #14 - 908 N. Walnut				
1	Heater 45,000 BTU	Gas	Sterling	TF45
2	Heater	Gas	Sterling	QVF 45
3	Serial #12-93-153		Q Mark/MUH-0704	
4	Room Vent West Wall			CL2
5	Water Heater	Electric	A.O. Smith, 40 Gal.	EES-40-J202172519
Station #15 - 325 Wise Road				
1	Heater	Gas	Janitrol	Unknown
2	Two Roof Vent Fans	Electric	Unknown	Unknown
3	Wall Louvers (west wall)	Electric		
Station #19 - 2205 Primrose				
1	Three heaters 75,000 BTU	Gas	Trane	GPAB-0070 BSA
2	Heater 3.7 KW	Electric	Q Mark	MUH-0521mg
3	Roof Vent Fan 3/4 HP	Electric	Emerson	Unknown
4	Heater 5KW	Electric	Q Mark	MUH 074
5	Two Wall Vents - West Wall			
6	Water Heater	Electric	30 Gal.	62V40D
7	Wall Heater (restroom)	Electric		
8	Vent Fan (restroom)	Electric		
9	Wall Fan (south wall)	Electric	Dayton	4C336A
10	Heater (tool shed)	Gas	Trane – 75,000 BTU	
Station #20 - 360 W. Schaumburg Rd.				
1	Three Heaters 7.5 KW	Electric	Q Mark	08-882120
2	Heater 10 KW	Electric		
3	Heater 7.5 KW	Electric	Emerson	LUH0709
4	Bath Room Wall Heater	Electric	Unknown	Unknown
5	Roof Vent Fan	Electric	Cook	13UC17D

ATTACHMENT A

#	EQUIPMENT	ENERGY	MAKE	MODEL
6	Roof Vent Fan	Electric	Cook	10UC10D
7	Roof Vent Fan	Electric	Cook	12UC17D
8	Roof Vent Fan	Electric	Cook	12DC170
9	Roof Vent Fan	Electric	Cook	244C513
10	Two Roof Vent - East Wall		Construction Specialties, Inc.	CAT#EX110
11	2- Heater (upper level well house)	Electric	Q Mark – 3kw	
12	Heater (lower level well house)	Electric	Q Mark – 3kw	
13	Heater (chlorine room)	Electric	Q Mark – 3kw	
14	Heater (pump building)	Electric	Q Mark – 3kw	
15	Bathroom vent fan	Electric		
Station #21 - Thoreau Drive				
1	Two 10 KW Heaters	Electric	Q Mark	MUH-10-4
2	Heater 5 KW	Electric	Q Mark	MUH-05-41
3	Heater 7.5KW	Electric	Q Mark	MUH-074
4	Heater 10 KW	Electric	Singer	EBH08K
5	Roof Vent Fan	Electric	Unknown	Unknown
6	Two Wall Louvers	Electric	Honeywell	131064A
7	Three Louvers - East Wall Main Room			1CL2
8	One Louver - North Wall	Electric		
9	Five Roof Fans: Electric Room/Bath Room & 2 in Main Room			1CL 2
10	Six Heaters: Elec.Rm./Bath Room/ 2 in Main Room			1CL2
Station #22 - Plum Grove Road				
1	Two Heater 12.5 KW	Electric	Marley	HUH-1248M
2	Heater 10 KW	Electric	Marley	HUH1048M
3	Heater (garage)	Electric	Q Mark	
4	Bathroom Wall Heater	Electric	Berko	Unknown
5	Six Actuator Wall Vents	Electric	Barber Colman	9328
Station #24 - Bode Lift Station				
1	Infrared	Electric	Unknown	Unknown

ATTACHMENT A

#	EQUIPMENT	ENERGY	MAKE	MODEL
Station #26 – Walnut Lift Station				
1	Wall Vent		Dayton	4C009F
2	Heater	Electric	Q Mark – 7.5kw	MUH-07-4
3	2 – Actuators		Modutrol	

ALEXIAN FIELD BASEBALL PARK

#	LOCATION	MAKE & MODEL	TYPE & CAPACITY
1	Roof Top Main Ball Park 1st Base Suites	RTU-1 Carrier 48TJF 020	Heating/Cooling
2	Roof Top Main Ball Park Suite Level Press Area	RTU-2 Carrier 48TJF 024	Heating/Cooling
3	Roof Top Main Ball Park 3rd Base Suite	RTU-3 Carrier 48TJF 028	Heating/Cooling
4	Roof Top Main Ball Park Field Level Lockers	RTU-4 Carrier 48TME 012	Heating/Cooling
5	Roof Top Main Ball Park Field Level Admin & Lobby	RTU-5 Carrier 48TJE 014	Heating/Cooling
6	Main Ball Park Fire Pump Room	1CUH-1 Berko/HUH548SA	Electric Heat
7	Main Ball Park Field Maintenance	1CUH-3 Q-Mark/MUH-10-8	Electric Heat
8	Main Ball Park Boiler Room	1CUH-4 Q-Mark/MUH-03-81	Electric Heat
9	Main Ball Park Janitor Closet	2CUH-1 Q-Mark/QMKC-2513	Electric Heat
10	Main Ball Park Fan Units Field Level Lockers	1B-Roof Cook ACEB 135C 3B	DNBLAST 1350 CFM
11	Main Ball Park Fan Units 1B Suite & Concesn. Toilets	1B-Roof Cook ACEB 165C 6B	DNBLAST 3000 CFM
12	Main Ball Park Fan Units Field Level Elev. Room	HP-Roof Cook ACED 90C15DL	DNBLAST 200 CFM
13	Main Ball Park Fan Units Field Level Admin. Toilet	HP-Roof Cook ACEB 135C 3B	DNBLAST 1300 CFM
14	Main Ball Park Fan Units 1st Base Toilet	1B-Suite Cook ACEB 180C 6B	DNBLAST 3500 CFM
15	16Main Ball Park Fan Units 1st Base Concession	1B-Suite Cook 165 LPB	UPBLAST 1800 CFM
16	M17ain Ball Park Fan Units Home Plate Concession	HP-Roof Cook VCR 120V 3B	UPBLAST 1200 CFM
17	Main Ball Park Fan Units Suite Pantry/Home Concesn.	3B-Roof Cook VCR 120V 4B	UPBLAST 1225 CFM
18	Main Ball Park Fan Units 3B Suite/Concourse Toilets	3B-Roof Cook ACEB 180C 8B	DNBLAST 3500 CFM
19	Main Ball Park Fan Units 3rd Base Toilet	3B-Suite Cook ACEB 180C 6B	DMBLAST 3500 CFM
20	Main Ball Park Fan Units 3rd Base Concession	3B-Suite Cook 165 LPB	UPBLAST 1800 CFM
21	Main Ball Park Fan Units Elec. Room @Dock	Cook SWB 30S6B	Propeller 4100 CFM
22	Main Ball Park Fan Units Visitor Dugout	Cook Gemini GC-140	Cabinet 100 CFM

ATTACHMENT A

#	LOCATION	MAKE & MODEL	TYPE & CAPACITY
23	Main Ball Park Fan Units Field Level Commissary	1B Suite Captive Aire CNU1875	UPBLAST 2800 CFM
24	Schaumburg Club Roof Restaurant Top Units	RTU-1 Carrier 48DJE 030	Heat/Cooling
25	Schaumburg Club Roof Restaurant Top Units	RTU-2 Carrier 48TJE 005	Heat/Cooling
26	Schaumburg Club Roof Restaurant Fan Units	REF-1 Cook ACED 120C 10D	Centrifugal 900 CFM
27	Schaumburg Club Roof Restaurant Fan Units	REF-2 Cook ACED 120C 10D	Centrifugal 800 CFM
28	Schaumburg Club Roof Restaurant Fan Units	CEF-1 Cook GC-720	Ceiling 650 CFM

ATTACHMENT B

All Filters Will Meet A Minimum Merv 8 Rating Unless Otherwise Stated			
<i>FACILITY</i>	<i>FILTER COUNT</i>	<i>FILTER SIZE</i>	<i>INTERVAL EXCEPTIONS</i>
FIRE STATION #1	6	16x25x2 Disposable Filter	
POLICE DEPT. COMM. CTR.	18	20x25x2 Disposable Filter	
POLICE DEPT. COMM. CTR.	4	24x24x4 Disposable Filter	
POLICE DEPT. CUSTOMER SERVICE AREA(VAV boxes)	7	17x17x1 Disposable filter	
POLICE DEPT. CUSTOMER SERVICE AREA(VAV boxes)	1	11x15x1 disposable filter	
AIRPORT	4	16x20x2 Disposable Filter	
AIRPORT	8	20x20x2 Disposable Filter	
AIRPORT	2	24x24x1 Disposable Filter	
TRICKSTER	4	20x20x2 Disposable Filter	
TRICKSTER	10	20x24x2 Disposable Filter	
THE BARN / GREAT HALL	4	18x25x2 Disposable Filter	
THE BARN / GREAT HALL	2	24x24x2 Disposable Filter	
THE BARN / GREAT HALL	4	12x21-1/2x1 EXACT Custom Disposable Filter	
ATCHER CIVIC CENTER	1	20x25x1 Disposable Filter	
ATCHER CIVIC CENTER	2	20x20x2 Disposable Filter	
ATCHER CIVIC CENTER	12	16x20x2 High Capacity MERV 11 Pleated Filter	
ATCHER CIVIC CENTER	8	16x25x2 High Capacity MERV 11 Pleated Filter	
ATCHER CIVIC CENTER	20	24x24x2 in. Pad	
ATCHER CIVIC CENTER	20	24x24x15 1 PKT 3-PLY CUBE FILTER	
FIRE STATION #52	2	12x20x1 Disposable Filter	
FIRE STATION #52	4	16x25x2 Disposable Filter	
FIRE STATION #53	5	16x25x1 Disposable Filter	
FIRE STATION #54	6	25x25x1 Disposable Filter	
FIRE STATION #54	2	12-3/4x22-1/2x1 Hog Hair Filter	
FIRE STATION #54	6	20x25x1 Hog Hair Filter	
PUBLIC SAFETY BLDG	16	20x24x2 Disposable Filter	

<i>FACILITY</i>	<i>FILTER COUNT</i>	<i>FILTER SIZE</i>	<i>INTERVAL EXCEPTIONS</i>
PUBLIC SAFETY BLDG	4	20x25x2 Disposable Filter	
PUBLIC SAFETY BLDG	4	15x20x1 Disposable Filter	
PUBLIC SAFETY BLDG	2	16x25x1 Disposable Filter	
PUBLIC SAFETY BLDG	3	16x25x4 Disposable Filter	
PUBLIC SAFETY BLDG	11	24x24x2 Disposable filter	
GUN RANGE	6	24x24x4 Disposable filter	
GUN RANGE	10	24x24x11-1/2 HEPA Filter	Special
GUN RANGE	2	4x0x0 Auto Roll	Special
GUN RANGE	1	2x0x0 Auto Roll	Special
GUN RANGE	2	4x0x0 Advance Auto Roll	Special
GUN RANGE	1	2x0x0 Auto Roll advancing	Special
METRA RAIL STATION	1	24X24X2 Disposable filter	
METRA RAIL STATION	1	24X24X2 Disposable filter	
OLD SCHOOL HOUSE	2	16x20x1 Disposable filter	
PRAIRIE CTR ARTS	1	12x22x1 Custom Disposable Filter	
PRAIRIE CTR ARTS	3	16x25x1 Disposable filter	
PRAIRIE CTR ARTS	4	20x20x2 Disposable filter	
PRAIRIE CTR ARTS	20	20x25x2 Disposable filter	
PRAIRIE CTR ARTS	1	5x0x0 Auto Roll	Special
PRAIRIE CTR ARTS	1	3x0x0 Auto Roll	Special
PRAIRIE CTR ARTS	1	ADVANCE AUTO ROLL 5x0x0 AUTO	Special
PRAIRIE CTR ARTS	1	ADVANCE AUTO ROLL 3x0x0 AUTO	Special
PUBLIC WORKS	8	12x24x2 Disposable filter	
PUBLIC WORKS	1	16x25x1 Disposable filter	
PUBLIC WORKS	4	16x25x2 Disposable filter	
PUBLIC WORKS	1	20x25x1 Disposable filter	
PUBLIC WORKS	12	24x24x2 Disposable filter	
PUBLIC WORKS	2	16x25x2 Disposable filter Pad	
PUBLIC WORKS	4	20x25x2 Disposable filter Pad	

<i>FACILITY</i>	<i>FILTER COUNT</i>	<i>FILTER SIZE</i>	<i>INTERVAL EXCEPTIONS</i>
PUBLIC WORKS	4	20x25x2 Disposable filter	
PUBLIC WORKS	2	28 1/2x29 1/2x2 Disposable filter	
PUBLIC WORKS	4	16x25x2 Disposable filter	
FAMILY COUNSELING CENTER (TURRET HOUSE)	1	20X24X2 Disposable filter	
VEHICLE MAINTENANCE	1	14x25x2 Disposable filter RTU #4	
VEHICLE MAINTENANCE	2	15x20x2 Disposable filter RTU #4	
VEHICLE MAINTENANCE	4	20x100 3-Ply Ring/Link Filter (4 Filters)	
VEHICLE MAINTENANCE	2	16x25x2 Disposable filter RTU CARRIER	
VEHICLE MAINTENANCE	4	20x20x2 Disposable filter AHU - STERLING	
VEHICLE MAINTENANCE	12	4" round corayvac # 01312401	as needed
VEHICLE MAINTENANCE	2	pcs 14X20X1 clean metal mesh at service interval	
ALEXIAN BASEBALL PARK	12	16x20x2 Disposable Filter	
ALEXIAN BASEBALL PARK	2	16x25x2 Disposable Filter	
ALEXIAN BASEBALL PARK	20	20x20x2 Disposable Filter	
ALEXIAN BASEBALL PARK	10	20x24x2 Disposable Filter	

Prevailing Wage rates for Cook County effective Sept. 1, 2017												
Trade Title	Region	Type	Class	Base Wage	Fore- man Wage	M-F OT	OSA	OSH	H/W	Pension	Vacation	Training
ASBESTOS ABT-GEN	ALL	ALL		41.20	42.20	1.5	1.5	2	14.65	12.32	0.00	0.50
ASBESTOS ABT-MEC	ALL	BLD		37.46	39.96	1.5	1.5	2	11.62	11.06	0.00	0.72
BOILERMAKER	ALL	BLD		48.49	52.86	2	2	2	6.97	19.61	0.00	0.90
BRICK MASON	ALL	BLD		45.38	49.92	1.5	1.5	2	10.45	16.68	0.00	0.90
CARPENTER	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63
CEMENT MASON	ALL	ALL		44.25	46.25	2	1.5	2	14.00	17.16	0.00	0.92
CERAMIC TILE FNSHER	ALL	BLD		38.56	38.56	1.5	1.5	2	10.65	11.18	0.00	0.68
COMM. ELECT.	ALL	BLD		43.10	45.90	1.5	1.5	2	8.88	13.22	1.00	0.85
ELECTRIC PWR EQMT OP	ALL	ALL		50.50	55.50	1.5	1.5	2	11.69	16.69	0.00	3.12
ELECTRIC PWR GRNDMAN	ALL	ALL		39.39	55.50	1.5	1.5	2	9.12	13.02	0.00	2.43
ELECTRIC PWR LINEMAN	ALL	ALL		50.50	55.50	1.5	1.5	2	11.69	16.69	0.00	3.12
ELECTRICIAN	ALL	ALL		47.40	50.40	1.5	1.5	2	14.33	16.10	1.00	1.18
ELEVATOR CONSTRUCTOR	ALL	BLD		51.94	58.43	2	2	2	14.43	14.96	4.16	0.90
FENCE ERECTOR	ALL	ALL		39.58	41.58	1.5	1.5	2	13.40	13.90	0.00	0.40
GLAZIER	ALL	BLD		42.45	43.95	1.5	1.5	2	14.04	20.14	0.00	0.94
HT/FROST INSULATOR	ALL	BLD		50.50	53.00	1.5	1.5	2	12.12	12.96	0.00	0.72
IRON WORKER	ALL	ALL		47.33	49.33	2	2	2	14.15	22.39	0.00	0.35
LABORER	ALL	ALL		41.20	41.95	1.5	1.5	2	14.65	12.32	0.00	0.50
LATHER	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63
MACHINIST	ALL	BLD		46.35	48.85	1.5	1.5	2	7.05	8.95	1.85	1.32
MARBLE FINISHERS	ALL	ALL		33.95	33.95	1.5	1.5	2	10.45	15.52	0.00	0.47
MARBLE MASON	ALL	BLD		44.63	49.09	1.5	1.5	2	10.45	16.28	0.00	0.59
MATERIAL TESTER I	ALL	ALL		31.20	31.20	1.5	1.5	2	14.65	12.32	0.00	0.50
MATERIALS TESTER II	ALL	ALL		36.20	36.20	1.5	1.5	2	14.65	12.32	0.00	0.50
MILLWRIGHT	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63

OPERATING ENGINEER	ALL	BLD	1	50.10	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	2	48.80	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	3	46.25	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	4	44.50	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	5	53.85	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	6	51.10	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	BLD	7	53.10	54.10	2	2	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	FLT	1	55.90	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	2	54.40	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	3	48.40	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	4	40.25	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	5	57.40	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	FLT	6	38.00	55.90	1.5	1.5	2	18.05	13.60	1.90	1.30
OPERATING ENGINEER	ALL	HWY	1	48.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	2	47.75	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	3	45.70	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	4	44.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	5	43.10	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	6	51.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
OPERATING ENGINEER	ALL	HWY	7	49.30	52.30	1.5	1.5	2	18.80	14.35	2.00	1.30
ORNAMNTL IRON WORKER	ALL	ALL		46.75	49.25	2	2	2	13.90	19.79	0.00	0.75
PAINTER	ALL	ALL		45.55	51.24	1.5	1.5	1.5	11.56	11.44	0.00	1.87
PAINTER SIGNS	ALL	BLD		37.45	42.05	1.5	1.5	2	2.60	3.18	0.00	0.00
PILEDRIIVER	ALL	ALL		46.35	48.35	1.5	1.5	2	11.79	18.87	0.00	0.63
PIPEFITTER	ALL	BLD		47.50	50.50	1.5	1.5	2	10.05	17.85	0.00	2.12
PLASTERER	ALL	BLD		42.75	45.31	1.5	1.5	2	14.00	15.71	0.00	0.89
PLUMBER	ALL	BLD		49.25	52.20	1.5	1.5	2	14.34	13.35	0.00	1.28
ROOFER	ALL	BLD		42.30	45.30	1.5	1.5	2	9.08	12.14	0.00	0.58
SHEETMETAL WORKER	ALL	BLD		43.50	46.98	1.5	1.5	2	11.03	23.43	0.00	0.78
SIGN HANGER	ALL	BLD		31.31	33.81	1.5	1.5	2	4.85	3.28	0.00	0.00

SPRINKLER FITTER	ALL	BLD		47.20	49.20	1.5	1.5	2	12.25	11.55	0.00	0.55
STEEL ERECTOR	ALL	ALL		42.07	44.07	2	2	2	13.45	19.59	0.00	0.35
STONE MASON	ALL	BLD		45.38	49.92	1.5	1.5	2	10.45	16.68	0.00	0.90
TERRAZZO FINISHER	ALL	BLD		40.54	40.54	1.5	1.5	2	10.65	12.76	0.00	0.73
TERRAZZO MASON	ALL	BLD		44.38	47.88	1.5	1.5	2	10.65	14.15	0.00	0.82
TILE MASON	ALL	BLD		45.49	49.49	1.5	1.5	2	10.65	13.88	0.00	0.86
TRAFFIC SAFETY WRKR	ALL	HWY		33.50	35.85	1.5	1.5	2	6.00	7.25	0.00	0.50
TRUCK DRIVER	E	ALL	1	35.60	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	E	ALL	2	35.85	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	E	ALL	3	36.05	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	E	ALL	4	36.25	36.25	1.5	1.5	2	8.56	11.50	0.00	0.15
TRUCK DRIVER	W	ALL	1	35.98	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TRUCK DRIVER	W	ALL	2	36.13	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TRUCK DRIVER	W	ALL	3	36.33	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TRUCK DRIVER	W	ALL	4	36.53	36.53	1.5	1.5	2	8.25	10.14	0.00	0.15
TUCKPOINTER	ALL	BLD		45.42	46.42	1.5	1.5	2	8.32	15.42	0.00	0.80

Legend

M-F OT Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.

OSA Overtime pay required for every hour worked on Saturdays

OSH Overtime pay required for every hour worked on Sundays and Holidays

H/W Health/Welfare benefit

Explanations COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum;

Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.;

Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".