

## INVITATION TO BID

The City of Rochester, New Hampshire, will accept sealed bids for the Rochester Fire Department's "RFD Fire Sprinkler System". Bids must be submitted in a sealed envelope plainly marked:

"Sealed Bid, **"RFD Fire Sprinkler System"**"

**Bid #10-40**

City of Rochester, New Hampshire

31 Wakefield St.

Rochester, NH 03867

Attn: Purchasing Agent

All Bids must be received no later than **"June 3, 2010"** at 2:15 PM. Actual bid opening will begin at 2:30 PM. No late bids, faxed bids or telephone bids will be accepted. The bid specifications, appendices and proposal forms may be obtained by visiting [www.rochesternh.net](http://www.rochesternh.net), or emailing [purchasing@rochesternh.net](mailto:purchasing@rochesternh.net), or by contacting the Purchasing Agent at City Hall, 31 Wakefield Street, Rochester, NH 03867, (603) 335-7602. All bid questions must be submitted in writing (email preferred) to the Purchasing Agent. All bid proposals must be made on the bid proposal forms supplied, and the bid proposal forms must be fully completed when submitted.

**There will be a mandatory walk through on May 19, 2010 at 8:00 AM. All interested parties should meet at the Rochester Fire Department, Station 1, 37 Wakefield Street, Rochester NH.**

**RFD Sprinkler System**  
**Bid #10-40**

**INTENT**

- A. Furnish and install all labors and materials including all incidentals required to provide an approved automatic wet sprinkler system to cover the main floor, with a dry system and dry pendant heads for the upstairs living quarters.
- B. All ceiling removal and replacement to be done by sprinkler contractor.
- C. All clean up to be done by sprinkler contractor. All rooms to be left as found daily.
- D. Hydraulic specifications from street: 70lbs static, 1190gpm/52lbs, residual 68lbs.

**CODES AND PERMITS**

- A. All work under this contract shall comply fully with NPFA 13 requirements, rules and regulations of agencies having jurisdiction including Rochester Fire Department and the New Hampshire State Fire Marshal's Office.
- B. Any work done which has to be changed to conform with regulations, codes and/or local authority requirements shall be changed at the sprinkler contractor's expense.
- C. Permits shall be obtained by the sprinkler contractor. There is no cost associated with these permits.
- D. Submit all detailed construction drawings and have them approved by agency having jurisdiction before installation. Obtain certification of inspection and approval from the same agency.
- E. The sprinkler system scope of work shall include, but is not limited to, the following:
  - 1. Complete and detailed working drawings
  - 2. All hydraulic calculations and cut-sheets shall be submitted with drawings
  - 3. Drain and test connections
  - 4. Sprinklers and fittings
  - 5. Valve stations, alarm and tamper switches
  - 6. Supports, hangers and inserts
  - 7. Valves and gauges

8. Valve seals, tags and charts
9. Backflow prevention (as required by the Rochester Water Department)

## **SHOP DRAWINGS**

- A. After contracts have been awarded, please submit plans, calculations, and cut-sheets to the Rochester Fire Department for approval, prior to any work or fabrication performed. Plans or “shop drawings” must show the layout of the entire system, including sprinkler heads, valve stations, alarm appurtenances, valves, etc. “As-builts” will be supplied as necessary.

## **MATERIALS AND SUBSTITUTIONS**

- A. Sprinkler equipment shall be new and conform to the standards established in these Specifications, and selected from the “List of Inspected Fire Protection Equipment and Materials” published annually by UL and shall bear UL approved stamp or label.
- B. Trade names and specific manufacturers’ model numbers define type and quality of materials and equipment required.
- C. Bid shall include all methods, materials, equipment, etc. as required to provide a complete installation.
- D. Uniformity – unless otherwise specified, equipment and materials of the same type or classification used for the same purpose shall be the product of the same manufacturer.

## **WORKMANSHIP**

- A. All work shall be executed in a workmanlike manner and shall present a neat, mechanical appearance when completed. Work not approved by the Owner shall be replaced by the sprinkler contractor without additional charger.
- B. All piping, in general, shall be run as straight and direct as possible, forming right angles or parallel lines with the building walls and other pipes as well as neatly spaced.

## **TESTS AND FLUSHING**

- A. After completion, subject sprinkler system to tests required by and in the presence of representatives of the Rochester Fire Department and Code Enforcement Office. Conduct, duration and other details not covered by agencies’ requirements shall be in accordance with NFPA 13.

- B. Provide instruments, equipment and pay expenses incurred in making test; obtain approvals and certificates.
- C. The system shall be thoroughly flushed before sprinklers are in place in order to free the system from any obstructing material which might clog the orifices of the sprinklers.

### **GUARANTEE**

- A. The sprinkler contractor shall leave the entire sprinkler system installed under this contract in proper working order and shall without additional charge, replace any work or materials he installed which develop defects within one year from the date of final acceptance by the owner including all other work damaged by such defects.
- B. Any apparatus that requires excessive service during the first year of operation shall be replaced.

### **APPROVALS**

- A. The sprinkler contractor shall obtain approval of the layout of his work from the Rochester Fire Department.

### **DESCRIPTION OF SYSTEM**

- A. The entire sprinkler system shall be designed for applicable hazard standards. The system shall be wet and dry pipe and conform to NFPA 13.
- B. Sprinkler heads installed in tile ceilings shall be no closer than four inches to the ceiling grid and line up in both directions.
- C. Locations and sizes of sprinkler mains, risers, branches and number of heads are required.

### **PIPING CONNECTIONS**

- A. Sprinkler contractor's work shall begin at a flange above finished floor. Underground piping installed by the others to be rodded and flushed per NFPA with signed test paper.

### **DRAIN AND TEST CONNECTIONS**

- A. Install horizontal piping graded to low points and in a manner to make it possible to test and empty, entire system; provided valves and piping of sizes in locations as indicated and in accordance with requirements of NFPA 13.

- B. Extended test/drain valve discharge pipes to grade. Terminate pipes so that discharge will be visible. Use sight drain fittings if necessary.

## **SPRINKLERS**

A. Sprinkler Heads:

1. Finished Areas:

- Semi-recessed, white pendant/sidewall of temperature rating to match application. (Escutcheons shall permit ceiling tile removal placement) Dry pendants as required.

2. Finished Areas Subject to Damage:

- Heads located where subject to damage shall be provided with guards.

3. Unfinished Areas:

- Natural Brass finish

- B. Furnished extra sprinkler heads packed in suitable container along with sprinkler wrenches per code.

## **PIPING MATERIALS, FITTINGS AND JOINTS**

- A. Sprinkler system piping above ground shall conform to NFPA 13.

## **ANCHORS, SUPPORTS AND HANGERS**

- A. Support sprinkler piping from building structure by means of hangers, inserts, etc., as required by NFPA 13.

- B. Hangers shall be clevis type or split ring supported from structure.

## **VALVES AND GAUGES**

- A. Control valves for sprinkler system: IBBM, solid wedge gate, rising stem of OS & Y for 175 psi W.W.P.

- B. Provide approved gauges as required per NFPA 13 and approving authority.

## **VALVES, SEALS, TAGS AND CHARTS**

- A. Provide copper wire and approved seal for each manually operated shut-off

required to be sealed in open position.

- B. Provide identification signs of standard design fasten securely at designated locations as per NFPA 13 and the Rochester Fire Department. Appropriate signs shall be permanently installed high on walls below all floor control stations and below elevator equipment room and hoist way control valves.

#### **WIRING AND ALARMS**

- A. All electrical wiring and fire alarm work to be done by others.

## **INSTRUCTION TO BIDDERS**

### **PREPARATION OF BID PROPOSAL**

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item for which a quantity is given and shall also show the products of the respective unit prices and quantities written in figures in the space provided for that purpose. The total amount of the proposal, written both in words and figures shall be obtained by adding the amounts of all bid items. All words and figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
4. Any questions regarding this Request for Statement of Qualifications must be made in writing a minimum of 7 days prior to the scheduled bid opening via email to the purchasing agent of the City of Rochester NH at [Purchasing@rochesternh.net](mailto:Purchasing@rochesternh.net). All questions and response will be forwarded to all potential respondents.

### **IRREGULAR PROPOSALS**

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

### **DELIVERY OF BID PROPOSALS**

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Emailed or faxed bid proposals are not acceptable.

### **WITHDRAWAL OF BID PROPOSALS**

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

### **PUBLIC OPENING OF BID PROPOSALS**

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

### **DISQUALIFICATION OF BIDDERS**

Either of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of her/his bid proposal(s):

1. Evidence of collusion among bidders.
2. Failure to supply complete information as requested by the bid specifications.

### **AWARD AND EXECUTION OF CONTRACT**

#### **CONSIDERATION OF PROPOSALS**

1. Bids will be made public at the time of opening and may be reviewed only after they have been properly recorded. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern. In case of a discrepancy between the total shown in the proposal and that obtained by adding the products of the quantities of items and unit bid prices, the latter shall govern.
2. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the City, the best interest of the City of Rochester will be promoted thereby.
3. Bid results will be available on the website at [www.rochesternh.net](http://www.rochesternh.net) within 48 hours of the bid opening.

#### **AWARD OF CONTRACT**

If a contract is to be awarded, the award will be made to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed as soon as practical after the bid opening. No bid shall be withdrawn for a period of (60) sixty days subsequent to the opening of bids without the consent of the City of Rochester. The successful bidder will be notified, via mail to the address on his proposal, that her/his bid has been accepted and that she/he has been awarded the contract.



**CANCELLATION OF AWARD**

The City reserves the right to cancel the award of any contract at any time before the execution of such contract by all parties without any liability against the City.

**BID EVALUATION**

In addition to the bid amount, additional factors will be considered as an integral part of the bid evaluation process, including, but not limited to:

1. The bidder's ability, capacity, and skill to perform within the specified time limits.
2. The bidder's experience, reputation, efficiency, judgment, and integrity.
3. The quality, availability and adaptability of the supplies and materials sold.
4. The bidder's past performance.
5. The sufficiency of bidder's financial resources to fulfill the contract.
6. The bidder's ability to provide future maintenance and/or services.
7. Any other applicable factors as the City determines necessary and appropriate (such as compatibility with existing equipment).

**CONDITIONS AT SITE**

Bidders shall be responsible for having ascertained pertinent local conditions, such as: location, accessibility and general character of the site of the building. The character and extent of existing work within or adjacent to the site, and any other work being performed thereon at the time of the submission of her/his bid.

**LAWS, PERMITS AND REGULATIONS**

1. The Contractor shall obtain and pay for all licenses and permits as may be required of him by law, and shall pay for all fees and charges for connection to outside services, and use of property other than the site of the work for storage of materials or other purposes.
2. The Contractor shall comply with all State and Local laws, ordinances, regulations and requirements applicable to work hereunder, including building code requirements. If the Contractor ascertains at any time that any requirement of this Contract is at variance with applicable laws, ordinances, regulations or building code requirements, she/he shall promptly notify the City of Rochester in writing.

**CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE**

1. The Contractor shall deliver at the time of execution of the Contract, certificates of all insurance required hereunder and shall be reviewed prior to approval by the City of Rochester. The certificates of insurance shall contain the description of the Project, and shall state that the companies issuing insurance will endeavor to mail to the City of Rochester ten (10) days notice of cancellation, alteration or material change of any listed policies. The Contractor shall keep in force the insurance required herein for the period of the Contract. At the request of the City of Rochester, the Contractor shall promptly make available a copy of any and all listed insurance policies. The requested insurance must be written by a Company

- licensed to do business in New Hampshire at the time the policy is issued.
2. The City of Rochester, NH shall be listed as additional insured on all the Certificates of Insurance.
  3. The Contractor shall require each Subcontractor employed on the Project to maintain the coverage listed below unless the Contractor's insurance covers activities of the Subcontractor on the Project.
  4. No operations under this Contract shall commence until certificates of insurance attesting to the below listed requirements have been filed with and approved by the Department of Public Works, and the Contract approved by the City Manager.
    - a. Workmen's Compensation Insurance  
Limit of Liability - \$100,000.00 per accident
    - b. Commercial General Liability  
Limits of Liability  
Bodily Injury: \$1,000,000.00 per occurrence, \$1,000,000.00 aggregate  
Property Damage: \$500,000.00 per occurrence, \$500,000.00 aggregate  
Combined Single Limit, Bodily Injury and Property Damage:  
\$1,000,000.00 aggregate
    - c. Automobile Liability  
Limits of Liability - \$500,000.00 per accident
  5. The Contractor shall indemnify, defend, and save harmless the City of Rochester and its agents and employees from and against any suit, action or claim of loss or expenses because of bodily injury. Including death at any time resulting there from, sustained by any person or persons or on account of damage to property, including loss of use thereof, whether caused by or contributed to by said City of Rochester, its agents, employees or others.

## **ACCIDENT PROTECTIONS**

It is a condition of this Contract, and shall be made a condition of each subcontract entered into pursuant to the Contract. That a Contractor and any Subcontractors shall not require any laborer or mechanic employed in the performance of the Contract to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to health or safety, as determined by construction safety and health standards of the Occupational Safety and Health Administration, United States Department of Labor, which standards include, by reference, the established Federal Safety and Health regulations for Construction. These standards and regulations comprise Part 1910 and Part 1926 respectively of Title 29 of the Code of Federal Regulations and are set forth in the Federal Register. In the event any revisions in the Code of Federal Regulations are published, such revisions will be deemed to supersede the appropriate Part 1910 and Part 1926, and be effective as of the date set forth in the revised regulation.

**SUBCONTRACTS**

1. Nothing contained in the Specifications or Drawings shall be construed as creating any contractual relationship between any Subcontractor and the City of Rochester. The Division or Sections of the Specifications are not intended to control the Contractor in dividing the work among Subcontractors or to limit the work performed by any trade.
2. The Contractor shall be as fully responsible to the City of Rochester for the acts and omissions of Subcontractors and of persons employed by her/him, as she/he is responsible for the acts and omissions of persons directly employed by her/him.

**PROTECTION OF WORK AND PROPERTY**

The Contractor shall, at all times, safely guard the City's property from injury or loss in connection with this Contract. She/he shall, at all times, safely guard and protect her/his own work and that of adjacent property from damage. All passageways, guard fences, lights and other facilities required for protection by State or Municipal laws, regulations and local conditions must be provided and maintained.

**USE OF PREMISES AND REMOVAL OF DEBRIS**

The Contractor expressly undertakes at his own expense:

1. To take every precaution against injuries to persons or damage to property;
2. To comply with the regulations governing the operations of premises which are occupied and to perform his Contract in such a manner as not to interrupt or interfere with the operation of the Institution;
3. To perform any work necessary to be performed after working hours or on Sunday or legal holidays without additional expense to the City, but only when requested to do so by the City;
4. To store his apparatus, materials, supplies and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of his work or the work of any other Contractors;
5. Daily to clean up and legally dispose of (away from the site), all refuse, rubbish, scrap materials and debris caused by his operation. Including milk cartons, paper cups and food wrappings left by his employees, to the end that at all times the site of the work shall present a neat, orderly and workmanlike appearance;
6. All work shall be executed in a workmanlike manner by experienced mechanics in accordance with the most modern mechanical practice and shall represent a neat appearance when completed.

**MATERIALS AND WORKMANSHIP**

1. Unless otherwise specified, all materials and equipment incorporated into the work under the Contract shall be new. All workmanship shall be first class and by persons qualified in their respective trades.
2. Where the use of optional materials or construction method is approved, the requirements for workmanship, fabrication and installation indicated for the prime

material or construction method shall apply wherever applicable. Required and necessary modifications and adjustments resulting from the substitution or use of an optional material or construction method shall be made at no additional cost to the City.

## **STANDARDS**

1. Materials specified by reference to the number, symbol or title of a specific standard, such as a Commercial Standard, a Federal Specification, Department's Standard Specifications, a trade association standard or other similar standard. Shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of advertisement, except as limited to type, class or grade or modified in such reference.
2. Reference in the Specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition. In such cases the Contractor may, at his option, use any articles, device, product, material fixture, form or type of construction that, in the judgment of the City expressed in writing to all Bidders before opening of bids as an addendum, is an acceptable substitute to the specified.
3. Substitution During Bid Time: Whenever any particular brand or make of material or apparatus is called for in the Specifications, a Bidder's Proposal must be based upon such material or apparatus, or upon a brand or make which has been specifically approved as a substitution in an Addendum issued to all Bidders during the bidding time.
4. The intent is that the brand or make of material or apparatus that is called for herein establishes a standard of excellence that, in the opinion of the Consultant and Engineer, is necessary for this particular Project.
5. Substitution After Bid Opening: No substitutions will be considered after bids have been opened unless necessary due to strikes, lockouts, bankruptcy or discontinuance of manufacture, etceteras. In such cases, the Contractor shall apply to the City, in writing within ten (10) days of his realizing his inability to furnish the article specified, describing completely the substitution he desires to make.

## **EXTRAS**

Except as otherwise herein provided, no charge for any extra work or material will be allowed unless the Director of Public Works has ordered the same, in writing.

## **GUARANTEE OF WORK**

1. Except as otherwise specified, all work shall be guaranteed by the Contractor against defects resulting from the use of inferior materials, equipment or workmanship for one (1) year from the Date of Final Acceptance.
2. Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.
3. In any case, wherein fulfilling the requirements of the Contract or of any guarantee, should the Contractor disturb any work guaranteed under another contract, the

Contractor shall restore such disturbed work to a condition satisfactory to the Fire Chief. And guarantee such restored work to the same extent as it was guaranteed under such other contracts.

4. If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the City of Rochester may have the defects corrected and the Contractor shall be liable for all expense incurred.
5. All special guarantees applicable to definite parts of the work that may be stipulated in the Specifications or other papers forming a part of the Contract shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

#### **DEFAULT AND TERMINATION OF CONTRACT**

##### **If the Contractor:**

1. Fails to begin work under Contract within the time specified in the notice to proceed; or
2. Fails to perform the work with sufficient workers and equipment, or with sufficient materials to assume prompt completion of said work; or
3. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable; or
4. Discontinues the prosecution of the work; or
5. Fails to resume work, which has been discontinued, within a reasonable time after notice to do so; or
6. Becomes insolvent or has declared bankruptcy, or commits any act of bankruptcy or insolvency; or
7. Makes an assignment for the benefit of creditors; or
8. For any other causes whatsoever, fails to carry on the work in an acceptable manner the City of Rochester will give notice, in writing, to the Contractor for such delay, neglect, and default.

If the Contractor does not proceed in accordance with the Notice, then the City of Rochester will have full power and authority without violating the Contract to take the prosecution of the work out of the hands of the Contractor. The City of Rochester may enter into an agreement for the completion of said Contract according to the terms and conditions thereof, or use such other methods as in the City's opinion will be required for the completion of said Contract in an acceptable manner.

All extra costs and charges incurred by the City of Rochester as a result of such delay, neglect or default, together with the cost of completing the work under the Contract will be deducted from any monies due or which may become due to said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor shall be liable and shall pay to the City of Rochester the amount of such excess.

**OBTAINING BID RESULTS**

Bid results will be available on the website at [www.rochesternh.net](http://www.rochesternh.net) within 48 hours of the bid opening.

**BID PROPOSAL FORM 1**  
**Bid #10-40**

VENDOR NAME: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX #: \_\_\_\_\_ E-MAIL \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

WARRANTY INFORMATION MUST BE SUBMITTED WITH BID

**Item # 1**      Cost of a Fire Sprinkler System, for the Rochester Fire Department Central Station, including all associated parts and equipment. ***This includes the noncombustible space above the second floor.***

\$ \_\_\_\_\_  
Bid amount in figures

\$ \_\_\_\_\_  
Bid amount in words