

VILLAGE OF HOFFMAN ESTATES

BID DOCUMENTS

2020 FIRE HYDRANT PURCHASE

BID OPENING DATE: May 21, 2020

BID OPENING TIME: 10:00 a.m., Local Time

BID DEPOSIT: Bid Bond for 5% of total bid amount

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HOFFMAN ESTATES

DEPARTMENT OF PUBLIC WORKS

To Prospective Bidder:

On behalf of the citizens of the Village of Hoffman Estates, I want to extend my thanks for your interest in becoming a part of our bid process.

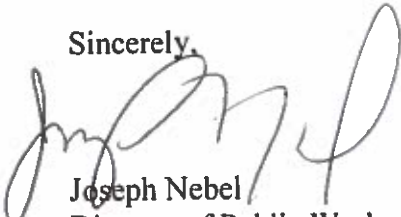
I call your special attention to the Instructions to Bidders section of the attached bid documents. Please be sure that you read thoroughly and fully understand these instructions prior to the preparation of your bid. Note that the instructions call for no deviation from the bid specifications except for those deviations which are listed as such on the vendor's bid detail sheet and which are expressly approved as part of the Village's acceptance of the bid.

All of the equipment described in the bid notice and specified herewith must meet the performance required for heavy duty municipal, utility, or construction type usage. Unless denoted "No Substitution", the Village minimum required specifications may be exceeded. Remember, however, to list all deviations and provide a description of the upgraded item in the proper space provided. Final bid acceptance will be based upon that equipment which is deemed most favorable to the interests of the Village after all bids have been examined and canvassed. Remember, minimum specifications requirements must be met or exceeded.

We encourage you to participate in our bid process and will be happy to answer any questions you may have regarding the accompanying documents. Thank you for your effort time, be competitive, and good luck.

Questions with regards to specifications should be directed to Jeff Allen, Maintenance and Construction Supervisor (847) 490-6800.

Sincerely,



Joseph Nebel
Director of Public Works

NOTICE TO BID

VILLAGE OF HOFFMAN ESTATES
Hoffman Estates, IL 60169

The Village of Hoffman Estates Department of Public Works is soliciting bids for **"PURCHASE OF TWENTY (20) COMPLETE FIRE HYDRANTS INCLUDING AUXILIARY VALVES AND VALVE BOXES"**.

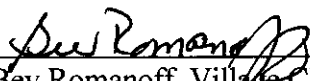
Sealed bids will be received by the Office of the Village Clerk, 1900 Hassell Road, Hoffman Estates, Illinois, 60169, (Municipal Building) until 10:00 a.m., local time, May 21, 2020, at which time they will be publicly opened and read aloud. It is the responsibility of the bidder to meet the specified opening time; and any bid not so received will be returned unopened. Bids must be identified as such on the outside of the sealed envelope. This can be done by label as may be provided by the agency or by marking the envelope "SEALED BID" and with the following information: Company's name, address, item bid, date, and time of opening.

Specifications and complete bid documents may be obtained from the Office of the Village Clerk. Further information regarding this bid may be obtained by contacting Jeff Allen, Maintenance and Construction Supervisor at (847) 490-6800.

The Village of Hoffman Estates reserves the right to waive any/all informality, or to reject any/all bids and/or parts thereof; and to accept that bid which it deems most favorable to Hoffman Estates after all bids have been examined and canvassed.

By the Order of the Mayor and Board of Trustees of the Village of Hoffman Estates.

April 29, 2020
(date)


Bev Romanoff, Village Clerk

TO BE PUBLISHED ON _____ May 7, 2020 _____ PADDOCK PUBLICATIONS

Note: THIS FORM MUST BE NOTARIZED

RETURN WITH BID

**VILLAGE OF HOFFMAN ESTATES
BID CERTIFICATION FORM**

RE: CERTIFICATION OF BIDDER, COMPLIANCE WITH THE ILLINOIS CRIMINAL CODE.

I, We hereby certify that _____
(Name of Bidder)

by bidding on this contract, no action has occurred that would result in a violation of 720 1LCS 5/33E,
Public Contracts of the Illinois Criminal Code.

Signed: _____

Attest: _____
Notary Public

Name/Title: _____
(Please Print)

Commission expiry: _____

Date: _____

Date: _____

BIDDER FIRM NAME: _____

Return with Bid

REFERENCES

BIDDER NOTE: Bidder shall provide as many customer references as possible for work/equipment **IDENTICAL** to that which bidder has proposed within this call for bids.

MANDATORY INFORMATION

BUSINESS: _____
ADDRESS: _____
CONTACT PERSON: _____
PHONE NUMBER: _____
APPROXIMATE DATE: _____

BUSINESS: _____
ADDRESS: _____
CONTACT PERSON: _____
PHONE NUMBER: _____
APPROXIMATE DATE: _____

BUSINESS: _____
ADDRESS: _____
CONTACT PERSON: _____
PHONE NUMBER: _____
APPROXIMATE DATE: _____

BUSINESS: _____
ADDRESS: _____
CONTACT PERSON: _____
PHONE NUMBER: _____
APPROXIMATE DATE: _____

SUBSTANCE ABUSE PREVENTION PROGRAM

CERTIFICATE

The undersigned, upon being first duly sworn, hereby certifies to the (Client) _____
_____ that
(Contractor) has in place a written Substance Abuse Prevention Program that meets or exceeds the requirements of the State of Illinois P.A. 095-0635, or has a collective bargaining agreement in effect dealing with the subject matter of P.A. 095-0635. The Contractor and Subcontractors will file a copy of the Substance Abuse Prevention Program, or collective bargaining agreement, with the Client prior to any work being conducted on the project.

By: _____
(Name of Contractor)

(Title)

Subscribed and sworn to before me
this _____ day of _____, 20___. My Commission Expires:

Notary Public

SEAL

**VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF PUBLIC WORKS
PROPOSAL FORM**

**Purchase of Twenty (20) Complete Fire Hydrants
Including Auxiliary Valves, Valve Boxes and Accessories**

- Hydrants shall be Mueller Centurion A423 or approved equal.
- Valves shall be Mueller 6" (RWGV) flange X MJ accessories or approved equal.
- Fire hydrants shall be dry barrel type with breakaway type flange and auxiliary gate valves and shall conform to AWWA C-502.
- 7 Hydrants shall have a bury depth of five and one-half feet (5 ½').
- 8 Hydrants shall have a bury depth of 6 feet (6').
- 5 Hydrants shall have a bury depth of six and one-half feet (6 ½').
- Hydrants shall have two (2) two and one-half inch (2 ½") hose nozzles and one (1) four and one-half inch (4 ½") National standard pumper nozzle. Hose threads shall be the standard NSHT.
- Hydrant shall have a main valve opening of five and one-quarter inches (5 ¼") with a flanged by mechanical joint, 6" resilient wedge gate valve (RWGV) auxiliary valve attached and the mechanical joint (MJ) accessories. Auxiliary valve shall have a two-piece cast iron valve box and plastic valve box stabilizer (Lincoln Cap) and a "grips brand" valve box stabilizer.
- Hydrants shall be painted red.

Total Cost of Twenty (20) Complete Mueller Centurion A423 Fire Hydrant as specified above, or approved equal, Including Shipping: \$ _____

Optional additional hydrant purchase unit price, Including Shipping, \$ _____

Company: _____

Bidder's Name (print): _____

Title: _____

Address: _____

Telephone: _____ Fax: _____

Signature: _____ Date: _____

**VILLAGE OF HOFFMAN ESTATES
DEPARTMENT OF PUBLIC WORKS
INSTRUCTIONS TO BIDDERS**

The general rules and conditions, which follow apply to all bids requested and accepted by the Village of Hoffman Estates unless otherwise specified. Bidders or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting bids. Failure to do so will be at the bidder's own risk. Submitting a bid is an assumption that the vendor has familiarized himself with all conditions and intends to comply with them unless noted otherwise.

1. **FORMS**

Bid forms are furnished. All bids must be submitted on the forms provided, complete and intact, properly signed in ink in the proper spaces, and submitted in a sealed envelope. All bids must be delivered to the Village Clerk, 1900 Hassell Road, Hoffman Estates, Illinois, 60169, prior to the bid opening date and time.

Bids must be identified as such on the outside of the sealed envelope. This can be done by label as may be provided by the agency, or by marking the envelope "**SEALED BID**" and with the following information: Company's name, address, item bid, date and time of opening.

2. **ALTERNATE MULTIPLE BIDS/SPECIFICATIONS**

The specifications describe the supplies and/or service which the Village feels are necessary to meet the performance requirements of the Village. It is not the desire or the intent to eliminate or exclude any bidder from bidding because of minor deviations, alternates, or changes.

Bidders desiring to bid on items which deviate from these specifications, but which they believe are equivalent, are requested to submit alternate bids. However, **ALTERNATE BIDS MUST BE CLEARLY INDICATED AS SUCH, AND DEVIATIONS FROM THE APPLICABLE SPECIFICATIONS PLAINLY NOTED.** The bid must be accompanied by complete specifications for the items offered. Any questions regarding the specifications, drawings, etc., shall be referred to that individual so referenced in the Specification section. **Vendors wishing to submit a secondary bid must submit it as an alternate bid. Only one bid per envelope.**

The Village shall be the sole and final judge unequivocally as to whether any substitute is of equivalent or better quality. This decision is final and will not be subject to recourse by any person, firm or corporation.

3. **RECEIVING OF BIDS**

Bids received prior to the time of opening will be securely kept, unopened. The Village Clerk, whose duty it is to open them, will decide when the specified time has arrived, and no bid received thereafter will be considered. No responsibility will be attached to the Village Clerk or the Village for the premature or nonopening of a bid not properly addressed and identified, except as otherwise provided by law.

LATE BIDS

Bids arriving after the specified time, whether sent by mail, courier, or in person, **will not be accepted.** These bids will either be refused or returned unopened. It is the bidder's responsibility for timely delivery regardless of the methods used. Mailed bids which are delivered after the specified hour will not be accepted regardless of post marked time on the envelope.

4. BIDS BY FAX

Bids must be submitted on the original forms provided by the Village completely intact as issued. Facsimile machine transmitted bids **will not be accepted**, nor will the Village transmit bid documents to prospective bidders by way of a facsimile machine.

5. ERROR IN BIDS

When an error is made in extending total prices, the unit bid price will govern. Otherwise, the bidder is not relieved from errors in bid preparation. Erasures in bids must be explained over signature of bidder.

6. WITHDRAWAL OF BIDS

A written request for the withdrawal of a bid or any part thereof may be granted if the request is received by the Village Clerk prior to the specified time of opening. After the opening, the bidder cannot withdraw or cancel his bid for a period of sixty (60) calendar days, or such longer time as stated in the bid documents.

7. CONSIDERATION OF BID

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.

The bidder, if requested, shall present, within 48 hours, evidence satisfactory to the Village of performance ability and possession of necessary facilities, pecuniary resources and adequate insurance to comply with the terms of these specifications and contract documents.

8. PRICES

Unit prices shall be shown for each unit on which there is a bid, and shall include all equipment fuel charges, packing, crating, freight, and shipping charges, and cost of unloading at the destination unless otherwise stated in the bid.

Unit prices shall not include any local, state, or federal taxes. The Village is exempt, by law, from paying State and Village Retailer's Occupation Tax, State Service Occupation Use Tax, and Federal Excise Tax. The Village will supply the successful bidder with its tax exemption number.

Cash discounts will not be considered in determining overall price, but may be used in an overall evaluation.

9. AWARD OR REJECTION

The Village reserves the right to reject and/or award any and all bids or parts thereof and to waive formalities and technicalities according to the best interests of the Village. Any bid submitted will be binding for sixty (60) days subsequent to the date of the bid opening.

Bidders shall make all investigations necessary to thoroughly inform themselves regarding the supplies and/or service to be furnished in accordance with the bid. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations will be accepted as a basis for varying the requirements of the Village of the compensation to the bidder.

ANY EXCEPTIONS NOT TAKEN BY THE BIDDER SHALL BE ASSUMED BY THE VILLAGE TO BE INCLUDED.

A contract will be awarded to the lowest responsible bidder complying with the conditions of the contract documents only when it is in the best interest of the Village to accept the bid. The Village shall be the sole judge of compliance with the specifications and reserves the right to accept or reject any and/or all bids or parts thereof.

10. PAYMENT

Payment will be made within thirty (30) days after acceptance of the equipment or services by the Village agent, and Bidder's compliance with all stipulations relating to the bid/contract.

11. REQUIREMENTS OF BIDDER

The successful bidder shall, within ten (10) days after notification of the award: a) enter into a contract in writing with the Village covering all matters and things as are set forth in the specifications and his bid; b) carry insurance acceptable to the Village, covering public liability, property damage and workmen's compensation.

12. COMPLIANCE WITH ALL LAWS

All work under the contract must be executed in accordance with all applicable federal, state and local laws, ordinances, rules and regulations.

13. CONTRACT ALTERATIONS

No amendment of a contract shall be valid unless made in writing and signed by the Village Manager or his authorized agent.

14. NOTICES

All notices required by the contract shall be given in writing.

15. NONASSIGNABILITY

The Contractor shall not assign the contract, or any part thereof, to any other person, firm or corporation without the previous written consent of the Village Manager or his authorized agent. Such assignment shall not relieve the contractor from his obligations, or change the terms of the contract.

16. INDEMNITY

The Contractor shall indemnify and save harmless the Village, its officers and employees from any and all liability, losses or damages, including attorney's fees and costs of defense, the Village may suffer as a result of claims, demands, suits, actions or proceedings of any kind or nature, including worker's compensation claims, in any way resulting from or arising out of the operations of contractor under this contract, including operations of subcontractors; and the contractor shall, at his own expense, appear, defend and pay all fees of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith; and, if any judgments shall be rendered against the Village in any such action, the contractor shall, at his own expense, satisfy and discharge same. The Contractor expressly understands and agrees that any performance bond or insurance protection required by the contract, or otherwise provided by contractor, shall in no way limit the responsibility to indemnify, keep and save harmless, and defend the Village as herein provided.

17. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of the contract and/or supplying of materials, equipment and supplies, bidder must be in full compliance with all provisions of the Acts of the General Assembly of the State of Illinois relating to employment, including equal opportunity requirements.

18. REQUIRED INSURANCE

In submission of a bid, the bidder is certifying that he has all insurance coverages required by law or would normally be expected for bidder's type of business. In addition, the bidder is certifying that he has at least the following insurance coverages:

<u>Type of Insurance</u>	<u>Liability Limits</u>	
	<u>Occurrence</u>	<u>Aggregate</u>
GENERAL LIABILITY		
Bodily Injury	\$1,000,000	\$3,000,000
Property Damage	1,000,000	3,000,000
Contractual Insurance- Broad Form	1,000,000	3,000,000
AUTOMOBILE LIABILITY		
Bodily Injury	\$1,000,000	\$1,000,000
Property Damage	1,000,000	1,000,000

This insurance must include non-owned, hired, or rented vehicles, as well as owned vehicles.

WORKMEN'S COMPENSATION & OCCUPATIONAL DISEASES:	Statutory for Illinois
Employers Liability Coverage:	\$1,000,000 per accident

NOTE: The specifications may require higher limits or additional types of insurance coverages than shown above and the contractor will be required to furnish a certificate of proof of insurance coverages.

The bidder further agrees to indemnify the Village and save it "harmless" against and from all loss, damage, expense, liability or claim of liability arising out of the performance of the contractor, any subcontractors or his employees in connection with the contract. Contractors and subcontractors are to grant the Village an "additionally insured" status on all applicable insurance policies and provide the Village with original endorsements affecting coverage required by this clause. Said policies will not be canceled unless the Village is provided a thirty (30) day written notice. Any deductibles or self-insured retentions must be declared to and approved by the Village. At the option of the Village, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Village or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses. Nothing contained in the insurance requirement shall be construed as limiting the extent of the contractor's responsibilities for payment of damages resulting from his operations under this agreement.

19. BID PERFORMANCE DEPOSIT

When it is required, it will be so stated elsewhere within this bid package along with the amount required. In all cases where a deposit is required it must accompany the bid. The deposit is to be in the form of a certified check, or a bank cashier's check. All bid performance deposit checks will be retained by the Village until the bid award is made, at which time the checks will be promptly returned to the unsuccessful bidders. The bid performance deposit check of the successful bidder will be retained until the goods or services have been received or completed/installed and found to be in compliance with the specification or until surety bonding requirements have been satisfied and proof of insurance coverage is provided in accordance with the Special Provisions Section of these specifications.

20. ACCEPTANCE

After the acceptance and award of the bid, and upon receipt of a written purchase order executed by the proper officials of the Village, this instruction to bidders, and all other portions of the bid documents, including the specifications, will constitute part of the legal contract between the Village of Hoffman Estates and the successful bidder.

21. DEFAULT

The Village may terminate a contract by written notice of default to the contractor if:

- a. The contractor fails to make delivery of the materials or perform the services within the time specified in the proposal, or
- b. fails to make progress so as to endanger performance of the contract, or
- c. fails to provide or maintain in full force and effect, the liability and indemnification coverages or performance bond as is required.

If the Village terminates the contract, the Village may procure supplies or services similar to those so terminated, and the Contractor shall be liable to the Village for any excess costs for similar supplies and services, unless the Contractor provides acceptable evidence that failure to perform the contract was due to causes beyond the control and without the fault or negligence of the Contractor.

22. SPECIAL CONDITIONS

Wherever special conditions/requirements are written into the Specifications or Special Provisions which are in conflict with conditions stated in these Instructions to Bidders, the conditions stated in the Specifications or Special Provisions/Requirement shall take precedence.

23. PERMITS AND LICENSES

The successful bidder shall obtain, at their own expense, all permits and licenses which may be required to complete the contract (where applicable).

24. GENERAL GUARANTY

Neither the final certificate of payment nor any provision in the contract nor partial or entire use of the equipment embraced in this contract by the Village or the Public shall constitute an acceptance of work not done in accordance with the contract, or relieve the Contractor of liability in respect to any express warranties or responsibility for failure to comply with the terms of those Contract Documents.

It is expressly agreed by the parties hereto that in the event any defects or imperfections in the materials or workmanship to be furnished by the Contractor herein appear within the period of one year from the date of completion of all the work mentioned herein and acceptance thereof by the Village of Hoffman Estates, the Contractor will, upon notice from the said Village (which notice may be given by letter to said Contractor to the business address of the Contractor shown in the Proposal), repair and make good at his own cost any such defects or imperfections and replace any defective or imperfect materials or workmanship with other materials or workmanship satisfactory to said Village, and furnish all such new materials and labor as may be necessary to do so; and in the event of the failure, refusal or delay of said workmanship or materials said Village may do so or have same done by others, and said Contractor and surety or sureties on his bond given for the faithful performance of this contract shall be liable to the Village of Hoffman Estates for all damages and expenses occasioned by such failure, refusal or delay.

25. MINIMUM WAGES

All laborers and mechanics employed by Contractors and Subcontractors on construction work for this project shall be paid wages at rates no less than those prevailing on similar construction in the locality as determined by the Secretary of Labor in accordance with the Davis-Bacon Act, as amended (40 U.S.C. 276a-276a-5), and shall receive overtime compensation in accordance with and subject to the provisions of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), and the Contractors and Subcontractors shall comply with all regulations issued pursuant to these Acts and with other applicable Federal laws and regulations pertaining to labor standards. The Secretary of Labor has, with respect to the labor standards specified in this Section, the 1950 (5 U.S.C. 133z-15) and Section 2 of the Act of June 13, 1934, as amended (40 U.S.C. 276c).

Not less than the prevailing wage shall be paid for labor on the work to be done as required by law.

26. BIDDER'S QUALIFICATIONS

All bidders must submit the following information on or before the time at which the Proposal is required to be submitted:

1. The location and description of the Bidder's permanent place of business.
2. Evidence of ability to provide an efficient and adequate plant for executing the work.
3. List of similar projects carried out by the Bidder.
4. List of projects the Bidder presently has under contract.
5. Any additional evidence tending to show that the bidder is adequately prepared to fulfill the contract.

27. BID CERTIFICATION FORM

All bid submittals must include a signed Bid Certification form (copy included in document) certifying that bidder is in compliance with Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961 regarding Bid Rigging/Rotating.

Illinois State Law Article 33E-3 and 33E-4 states it is unlawful to participate in bid rigging and/or rotating. State law further states it is unlawful to award a contract to any individual or entity that is delinquent in the payment of any tax administered by the Department of Revenue unless the individual or entity is contesting the amount and/or liability through proper procedures.

Therefore, all bidders must certify that they are not barred from bidding on the contract as a result of a violation of State Law 33E-3 and 33E-4, prohibiting bid rigging and/or rotation, and that the bidder is not delinquent in the payment of any tax, unless it is contested in accordance with the procedures established by the appropriate revenue act. **IT IS NECESSARY THAT THIS BE DONE UNDER OATH; THEREFORE, THE FORM INCLUDED WITH BID SUBMITTAL SHEETS MUST BE NOTARIZED.**

28. **DEVIATIONS**

Unless denoted "No Substitution", the Villages minimum required specifications may be exceeded. However, vendors must list all specification deviations and provide a description and/or catalog sheet that fully describes that which they propose to furnish, in lieu of that specified! Final bid acceptance shall be based upon that bid deemed most favorable to the interests of the Village after all bids have been examined and canvassed.

Fire Hydrant Specifications (5 ¼" Main Valve)

Fire hydrants purchased shall meet or exceed all applicable requirements and tests of the latest revisions of ANSI/AWWA Standard C502. Fire hydrants shall meet all test requirements and be listed by Underwriters Laboratories Inc. Fire hydrants shall meet all test requirements and have full approval of Factory Mutual. In addition, fire hydrants shall meet the following requirements:

1. Fire hydrants shall be rated for a working pressure of 250 Psig. (1725 kPa).
2. Fire hydrants shall be of the compression type, opening against the pressure and closing with the pressure.
3. Fire hydrants shall have a minimum 5 ¼" main valve opening and a minimum inside lower/upper barrel diameter (I.D.) of 7" to assure maximum flow performance. Pressure loss at 1,000 GPM shall not exceed the following values:
 - 4" Pumper Nozzle: 2.70psi
 - 4.5" Pumper Nozzle: 2.50psi
4. Fire hydrants shall be three-way in design, having one pumper nozzle (size as specified) and two 2 ½" hose nozzle(s). Nozzle thread type shall be as specified by the end user. Nozzles shall thread counterclockwise into hydrant barrel utilizing "o" ring seals. A suitable nozzle lock shall be in place to prevent inadvertent nozzle removal.
5. The bonnet assembly shall provide an oil reservoir and lubrication system that automatically circulates lubricant to all stem threads and bearing surfaces each time the hydrant is operated. This lubrication system shall be sealed from the waterway and any external contaminants by use of "o" ring seals. An anti-friction washer shall be in place above the thrust collar to further minimize operating torque. The oil reservoir shall be factory filled with a low viscosity, FDA approved non-toxic oil lubricant which will remain fluid through a temperature range of -60° F. to +150° F.
6. The operating nut shall be a one piece design, manufactured of ASTM B-584 bronze. It shall be pentagon/square in shape and the nut dimensions shall be as specified by the end user. The operating nut shall be affixed to the bonnet by means of an ASTM B-584 bronze hold down nut. The hold down nut shall be threaded into the bonnet in such a manner as to prevent accidental disengagement during the opening cycle of the hydrant. The use of Allen head set screws as a means of retention is unacceptable. A resilient weather seal shall be incorporated into the hold down nut, for the purpose of protecting the operating mechanism from the elements.
7. The direction of the opening shall be as specified by the end user. An arrow shall be cast on the bonnet flange to indicate the specified opening direction.
8. The hydrant bonnet shall be attached to the upper barrel by not less than eight bolts and nuts and sealed by an "o" ring.
9. Hydrants shall be a "traffic-model" having upper and lower barrels joined at the ground line by a separate and breakable "swivel" flange providing 360° rotation of upper barrel for proper nozzle facing. This flange shall employ not less than eight bolts. The safety flange segments shall be located under the upper barrel flange to prevent the segments from falling into the lower barrel when the hydrant is struck. The pressure seal between the barrels shall be an "o" ring. The proper ground line shall be cast clearly on the lower barrel and shall provide not less than 18" of clearance from the centerline of the lowest nozzle to the ground.

10. The operating stem shall consist of two pieces, not less than 1 ¼" diameter (excluding threaded or machined areas) and shall be connected by a stainless steel safety coupling. The safety coupling shall have an integral internal stop to prevent the coupling from sliding down into the lower barrel when the hydrant is struck. Screws, pins, bolts, or fasteners used in conjunction with the stem couplings shall also be stainless steel. The top of the lower stem shall be recessed 2" below the face of the safety flange to prevent water hammer in the event of a "drive over" where a vehicle tire might accidentally depress the main valve.
11. The lower barrel shall be an integrally cast unit. The use of threaded on or mechanically attached flanges is deemed unacceptable. The hydrant bury depth shall be clearly marked on the hydrant lower barrel.
12. Composition of the main valve shall be a molded rubber having a durometer hardness of 95 +/- 5 and shall be reversible in design to provide a spare in place. Plastic (polyurethane) main valves are unacceptable. The main valve shall have a cross section not less than 1".
13. Hydrants shall be equipped with (2) two drain valves which drain the barrel when the hydrant is closed and seal shut when the hydrant is opened. These drain valves shall be an integral part of the one piece bronze upper valve plate. They shall operate without the use of springs, toggles, tubes, levers or other intricate synchronizing mechanisms.
14. The upper valve plate, seat ring and drain ring (shoe bushing) must be ASTM B-584 bronze and work in conjunction to form an all bronze drain way. A minimum of two (2) internal and two (2) external drain openings are required. Drains ported through an iron shoe must be bronze lined.
15. The bronze seat ring shall thread into a bronze drain ring (or shoe bushing) providing a bronze to bronze connection. Seat rings shall be "o" ring pressure sealed.
16. The shoe inlet size and connection type shall be as specified (flanged, MJ, etc.), having ample blocking pads for sturdy setting and the MJ connection must have two strapping lugs to secure the hydrant to piping. A minimum of six bolts and nuts is required to fasten the shoe to the lower barrel.
17. The interior of the shoe including the lower valve plate and stem cap nut shall have a protective coating that meets the requirements of AWWA C-550. If a stem cap nut is utilized, it must be locked in place by a stainless steel lock washer or similar non-corrosive device that will prevent the cap nut from backing-off during normal use.
18. Hydrants shall be warranted by the manufacturer against defects in materials or workmanship for a period of ten (10) years from the date of manufacture. The manufacturing facility for the hydrant must have current ISO certification.
19. Hydrants shall be Mueller Super Centurion 250 or approved equal.

Failure to comply with any of these above requirements is sufficient cause for rejection of proposed hydrants.

The Village reserves the right to accept only those materials which are in full compliance with these specifications and deemed most advantageous to its interests.

Special Provisions

All Inclusive Bid Sum

The bid sum shall include everything specified and/or otherwise required in order to complete the project in its entirety. Sum of base bid and shipping as listed in the scope of work are required to receive consideration. No claim for additionally required materials and/or labor shall be honored by the Village what-so-ever.

Bid Bond Requirements

Bid Bond for 5% of (purchased) bid amount is required.

VENDOR LIST

FIRE HYDRANT PURCHASE

Date mailed: _____

Ziebell Company
2001 Pratt Boulevard
Elk Grove Village, IL 60007
(847) 364-0670
(847) 364-4789 fax
Attn: Bob Mroz

Mueller Company
909 Maple Ave.
Downers Grove, IL 60515
(800) 423-1323
Attn: Tony White

HD Supply Waterworks
220 Westgate Dr.
Carol Stream, IL 60188
(630) 665-1800
Attn: Scott Jaras