



Request for Bids
Water Department

City of Portsmouth, New Hampshire
Water Inventory – Bid #33-10

Portsmouth, New Hampshire
Public Works Department

Water Inventory

INVITATION TO BID

Sealed bid proposals, **plainly marked, Water Inventory, Bid #33-10 on the outside of the mailing envelope as well as the sealed bid envelope**, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire, 03801, will be accepted until May 21, 2010 @ 2:00 p.m. Bids will be publicly opened and read aloud.

Scope: To supply and deliver water inventory used in the operations of our water treatment facilities.

Bid specifications may be obtained from the City's web site:
<http://www.cityofportsmouth.com/finance/purchasing.htm>, by contacting the Finance/Purchasing Department on the third floor at the above address, or by calling the Purchasing Coordinator at 603-610-7227. Addenda to this bid document, if any, including written answers to questions, will be posted on the City of Portsmouth website at <http://www.cityofportsmouth.com/finance/purchasing.htm> under the project heading. Addenda and updates will NOT be sent directly to vendors. Questions may be addressed to the Purchasing Coordinator.

The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

If you have any questions please contact the Finance/Purchasing Department at 603-610-7227.

**CITY OF PORTSMOUTH
PORTSMOUTH, NEW HAMPSHIRE**

**Instruction to Bidders
Water Inventory Bid**

Note to vendors: Some of the items in this bid have been renewed with the current vendor for one year, therefore the renewed items have been left out of this bid, and the numbering has remained the same. The number will not be in correct numerical order. When you receive the bid tabulation all of the items will be listed, including the ones that have been renewed.

1. Preparation of Bid Proposal

a) The bidder shall submit his/her proposal on the forms 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 in the column provided for that purpose. All words and figures shall be in ink or typed.

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.

b) 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.

2. Irregular Proposals

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

a) If the proposal is on a form other than that furnished by the Owner, or if the form is altered.

b) If there are unauthorized additions, conditional or alternated bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.

c) 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.

3. **Delivery of Bid Proposals**

When sent by mail, the sealed proposal shall be addressed to the owner at the address and in the care of the official in whose office the bids are to be received. 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. Faxed bid proposal are NOT acceptable.

4. **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 proposal.

5. **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.

6. **Disqualification of Bidders**

Any of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of his proposal or proposals:

- a) Evidence of collusion among bidders.
- b) Failure to meet specifications.
- c) Failure to submit all required information requested in bid specifications.
- d) History of inadequate, incomplete or untimely performance.

AWARD

1. **Award**

Within 30 calendar days after the opening of proposals, if an award is to be made, awards will be made to the lowest responsible and qualified bidder for each item that complies with all the requirements prescribed. The successful bidder will be notified, by mail, that the bid has been accepted and awarded.

The award is not considered official until such time that a Purchase Order, fully executed contract or an award letter has been issued by the Finance Director. No presumption of award shall be made by the bidder until such documents are in hand. Verbal notification of award is not considered official. Any action by the bidder to assume otherwise is done so at his/her own risk and the City will not be held liable for any expense incurred by a bidder that has not received an official award.

2. **Cancellation of Award**

The City reserves the right to cancel an award at any time before notification to the successful bidder without any liability against the City. The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

The City reserves the right to cancel an award after notification if the Bidder, on more than one occasion, fails to fulfill the delivery requirements or if the products fail to perform or are otherwise lacking in quality. Should an award be cancelled, the City will award to the next lowest bidder if such bidder is prepared to commit to their bid price.

**CITY OF PORTSMOUTH
PORTSMOUTH, NEW HAMPSHIRE**

**General Requirements
and
Conditions of Award
Water Inventory Bid**

It is the intent of this proposal to establish agreements to supply and deliver water inventory used in the water maintenance operations.

Any quantity specified is an estimate only. The City of Portsmouth will purchase just the quantities necessary, at various times, to perform the intended operations. Such purchased quantities may be equal to, less than, or greater than the estimates. **Prices are not to be based on minimum quantities or minimum truck loads.**

Bid prices shall remain firm for a period of one (1) year from the date of contract award. The City of Portsmouth reserves the right to negotiate an extension of the contract beyond the expiration date for a period not to exceed one (1) year.

Bid prices shall be FOB the Water/Sewer Maintenance Shop located at 680 Peverly Hill Road, Portsmouth, NH. **No added freight or handling charges will be allowed.** Delivery shall be made within ten (10) working days of the order date. If vendor cannot meet the ten day delivery specification, notice must be made upon receiving order. Upon notice, the City shall have the right to fulfill its requirements with another vendor. City will have the right to terminate the bid award if vendor does not meet the ten day delivery specifications, if product is defective or deficient in quality.

Each item will be considered on a separate item basis. This proposal does not require any bidder to submit an "all-or-none" bid. Award and quantities ordered will also be contingent upon funding.

**CITY OF PORTSMOUTH
PORTSMOUTH, NEW HAMPSHIRE**

**Bid Specifications
Water Inventory Bid**

- | | |
|---|---|
| <p>1. Flushing Hydrants - Flushing hydrants shall be post hydrants with a 5 foot bury. All working parts shall be brass with hydrant main valve opening being 2 3/16 inch. Inlet connection shall be 2 inch iron pipe, with the outlet being any size up to 2 1/2 inch NST. The operating rod shall be non-turning, and all operating parts shall be removable from above ground with no special wrenches. The self-draining, non-freeze hydrant barrel will be made of 3 inch ductile iron pipe and shall have a cast iron top stock. Hydrant shall have locking cover and will be a traffic break-away. Kupferle Model #77 or approved equal.</p> | <p>3/4" x 5' Bury
1" x 5' Bury
2" x 5' Bury
2 1/2" x 5' Bury</p> |
| <p>2. Fire Hydrants - Fire hydrants shall be Kennedy K-81A Guardian with a lined, with shoe (or elbow). Hydrant drain shall be plugged. Joint at base of hydrant shall be a 6 inch restrained, mechanical joint. Opening direction specified at time of order. Operating nut shall be standing AWWA pentagon operating nut with 1 1/2 inch point to flat dimension. Two (2 1/2") and one (4 1/2") National Standard Hose thread nozzles.</p> | <p>5 1/4" Opening
6 1/2' Bury</p> |
| <p>3. Fire Hydrant Inserts - Fire hydrant inserts shall be Kennedy K-81AW Guardian with a 4, 4 1/2, 5, or 5 1/4 inch valve opening, bronze lined. Hydrant drain shall be plugged. Joint at base of hydrant shall be a 6" restrained, mechanical joint. Opening direction shall be specified when ordered. Operating nut shall be standing AWWA pentagon operating nut with 1 1/2 inch point to flat dimension. Two (2 1/2") and one (4 1/2") National Standard Hose thread nozzles.</p> | <p>4", 4 1/2", 5"
and 5 1/4" Opening
with 5', 5 1/2', 6' or
6 1/2' Bury</p> |

- | | |
|---|--|
| 4. Hydrant Elbows - Ductile Iron, M.J.
Epoxy coated. Elbows to fit
Mathews & Kennedy K-81A. | 6" for 4" Hydrant
6" for 4 1/2" Hydrant
6" for 5" Hydrant
6" for 5 1/4" Hydrant |
| 6. Ground Frost Sleeves for use on
hydrant bury (made of PVC). | 5', 5 1/2', 6', 6 1/2' |
| 7. Breakaway Kit for K-11 Kennedy Hydrant | 5 1/4" Opening |
| 9. Coupling for K-11 Breakaway complete w/pins & clips | 5 1/4" Opening |
| 10. Sampling Station shall be 5 foot
bury with a 3/4" FIP inlet, and a
(3/4" hose or unthreaded) nozzle.
All stations shall be enclosed in a
lockable, non-removable, aluminum-cast
housing. When opened, the station shall
require no key for operation, and the
water will flow in an all-brass waterway.
All working parts will also be of brass
and removable from above ground with no
digging. A copper vent tube will enable
each station to be pumped free of standing
water to prevent freezing and to minimize
bacteria growth. The exterior piping will
be galvanized. | 3/4" x 5' |
| 11. Tapping Gate Valves with bolts,
glands, and gaskets, 2" square hub nut, open
right and so indicated on hub nut, M.J.
Valve body and bonnet shall be fusion bonded
epoxy coated, inside and out at least 8 mil.
thick. Stem shall be sealed by at least two
"O" rings and non-rising type. One outlet
shall be flange to fit standard same size
tapping sleeve flange. All gate valves shall
conform to A.W.W.A. Standard C-509 (latest
revision) for resilient sealed tapping gate
valves. | 4",6",8",10",12" |
| 12. Gate Valves with bolts, glands,
and gaskets, 2" square hub nut, open right
and indicated on the hub nut, M.J. Valve
body and bonnet shall be fusion bonded
epoxy coated, inside and out at least 8 mil.
thick. Stem shall be sealed by at least two
"O" rings and non-rising type. All gate valves
shall conform to A.W.W.A. Standard C-509
(latest revision) for resilient sealed gates valves. | 4",6",8",10",12" |

13. Gate Boxes 6" complete with top, bottom, and cover. Valve boxes shall be cast iron, two piece sliding type with a top flange and a minimum inside shaft diameter of 5 1/4". Boxes shall have the word "water" clearly cast into the cover. Boxes to extend 36" to 60". Box base shall be belled. Cover shall be heavy 2" drop type, non-tilting and is recessed in the box top with pick holes for easy removal.
14. 1" Gate Box Risers for 6" Gate Box 5 1/4" opening, cast iron.
15. 2" and 3" Gate Box Riser for 6" Gate Box 5 1/4" opening, cast iron.
16. Gate Box Adaptors (5 1/4") adjustable adaptor range 2 1/2" to 12" cast iron. Mueller #H-10377 or 12" EJP Box top extension #45245 or equal.
19. 6 Plugs, Ductile Iron, Class 350, "Tyton" or push-in with set screws. 4",6",8",10",12"
20. Caps, M.J., solid with retaining flanges, Ductile Iron, complete with glands, rubber gaskets, nuts and bolts. Shall be asphalt coated inside and out. 4",6",8",10",12"
21. Caps, M.J., with 2" I.P. Tap, Ductile Iron, complete with glands, nuts and bolts. Shall be asphalt coated inside and out. 4",6",8",10",12"
22. Reducer, Ductile Iron, M.J., Class 350 complete with glands, rubber gaskets, bolts and nuts. 4",6",8",10",12"
23. Tapping Saddle, Double Strap, outlet CC (AWWA) threads, complete with gaskets, nuts and washers. 2",4",6",8",10",12",16",20"
24. Tapping Saddle, Double Strap Outlet Iron Pipe (IP) Threads, complete with gaskets, nuts and washers. 2",4",6",8",10",12",16",20"
25. Tapping Sleeves, Stainless Steel, complete with glands, rubbers, gaskets, nuts and bolts,gasket on flanged facing. 4",6",8",10",12",16",20",24"
26. Tee, Ductile Iron, M.J., Class 350, complete with glands, rubbers, gaskets, bolts and nuts. 4",6",8",10",12"
27. Elbows, Ductile Iron, Cement Lined, Asphalt coated outside. Mechanical Joint ends complete with bolts, glands 4", 6", 8",10",12"

and gaskets. Must conform to latest A.W.W.A. standards. Rated for 350 psi.

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|---|---|
| 29. Brass Bushings, I.P. Inlet Thread x I.P. Outlet Thread. | 1" x 3/4", 1 1/4" x 3/4",
1 1/4" x 1",
1 1/2" x 3/4", 1 1/2" x 1",
2" x 3/4", 2" x 1",
2" x 1 1/4", 2" x 1 1/2",
2 1/2" x 2" |
| 30. Copper Tubing, Type K, Soft | 3/4", 1", 1 1/4", 1 1/2", 2" |
| 33. Corporation Stop Coupling, Brass
Brass. Inlet Iron Pipe (I.P.) with
compression pack joint outlet (PPJ). | 3/4"x3/4", 1"x1"
1"x 1 1/4",
1"x1 1/2" |
| 36. Buffalo Repair Lids 2 1/2" for old style
buffalo type curb boxes. | |
| 41. Curb Stop, Ball Valve, Brass.
with compression packed joint (PPJ) both ends. | 1", 1 1/4", |
| 42. Curb Stop, Ball Valve, Brass,
with female iron pipe (F.I.P.) both ends. | 1 1/4" |
| 43. Curb Stop, Ball Valve, Brass,
with inlet female iron pipe (F.I.P.) and outlet
compression packed joint (P.P.J.). | 1 1/4" |
| 44. Female Adaptors . Brass
Inlet Compression packed joint
(PPJ) with outlet female iron pipe
(F.I.P.) which accepts copper tubing
on the PPJ end and male iron pipe thread on the female (F.I.P.) end. | 3/4", 1", 1 1/4", 1 1/2", 2"
by 3/4", 1", 1 1/4", 1 1/2"
2" and 2 1/2" |
| 45. Elbows, brass, I.P. thread. | 3/4", 1", 1 1/4", 1 1/2", 2" |
| 47. Nipples, Brass, threaded
both ends. | 3/4", 1", 1 1/4", 1 1/2", 2",
2 1/2" by 2", 4" and 6" |
| 48. Nipples, close, brass,
threaded both ends. | 3/4", 1", 1 1/4", 1 1/2", 2" |
| 50. Plug, brass, IP thread | 3/4", 1", 1 1/4", 1 1/2", 2" |
| 51. Coupling, reducer, brass.
Both ends female iron pipe
(F.I.P.). | 1", 1 1/4", 1 1/2", 2"x3/4"
1 1/4", 1 1/2", 2"x1", 1 1/2"
2"x 1 1/4", 2"x1 1/2" |
| 52. Cast Coupling, 2 bolt style,
shall be Rockwell brand type
411 or approved equal. Couplings
shall be provided with all
necessary glands, rubber gaskets,
nuts and bolts. | 3/4", 1", 1 1/4", 1 1/2", 2"
Body Length - 6" |

54. Transition Coupling DI to AC	4" by 6"
55. Transition Coupling AC to DI	2"x6"
56. Full Circle Clamp, Full Stainless Steel, complete with gaskets, stainless steel nuts	2",4",, 20" X7/12' and stainless steel bolts. 4",10",14",20"X20" 20"X10" 4",14"X15" 20"x10", 20"
57. Bell Joint Leak Clamp for cast iron or ductile iron pipe, complete with gaskets, nuts and bolts. Body to be made of ductile iron.	14", 16", 20"
59. Pipe Coupling, brass, threaded IP x IP.	3/4", 1", 1 1/4", 1 1/2", 2" and 2 1/2"
60. Ball Valves, Brass, with female iron pipe (F.I.P.) both end, Full Port.	3/4", 1", 1 1/4", 1 1/2",2"
61. Caps, Brass, Threaded	3/4", 1", 1 1/4", 1 1/2", 2"
62. Tees, brass, I.P. Thread	3/4", 1", 1 1/4", 1 1/2", 2"
63. Tees, brass. PPJxPPJxIP	2"x2"x3/4"

**ALL BRASS PARTS WILL BE A.W.W.A. STANDARD C-800 OR LATEST REVISION
PLEASE INCLUDE MANUFACTURER'S SPECIFICATION SHEETS WITH BID SHEETS.**

BID PRICES SHALL REMAIN FIRM FOR A PERIOD OF ONE YEAR FROM DATE OF AWARD

Supply and deliver, in accordance with specifications and FOB Portsmouth Water Department, 680 Peverly Hill Rd., Portsmouth, N.H., the following:

<u>Item</u>	<u>Model</u>	<u>Price</u>
1) Flushing Hydrants		
3/4" x 5' Bury	_____	_____/each
1" x 5' Bury	_____	_____/each
2" x 5' Bury	_____	_____/each
2 1/2" x 5' Bury	_____	_____/each
2) Fire Hydrants		
5 1/4" x 6 1/2' Bury	_____	_____/each
3) Fire Hydrants Inserts		
4" x 5' Bury	_____	_____/each
4" x 5 1/2' Bury	_____	_____/each
4" x 6' Bury	_____	_____/each
4" x 6 1/2' Bury	_____	_____/each
4 1/2" x 5' Bury	_____	_____/each
4 1/2" x 5 1/2' Bury	_____	_____/each
4 1/2" x 6' Bury	_____	_____/each
4 1/2" x 6 1/2' Bury	_____	_____/each
5" x 5' Bury	_____	_____/each
5" x 5 1/2' Bury	_____	_____/each
5" x 6" Bury	_____	_____/each
5" x 6 1/2' Bury	_____	_____/each
5 1/4" x 5' Bury	_____	_____/each
5 1/4" x 5 1/2' Bury	_____	_____/each
5 1/4" x 6' Bury	_____	_____/each
5 1/4" x 6 1/2' Bury	_____	_____/each
4) Hydrant Elbows		
6" for 4" Hydrant	_____	_____/each
6" for 4 1/2" Hydrant	_____	_____/each
6" for 5" Hydrant	_____	_____/each
6" for 5 1/4" Hydrant	_____	_____/each
6) Ground Frost Sleeves for use on Bury		
5'	_____	_____/each
5 1/2'	_____	_____/each
6'	_____	_____/each
6 1/2'	_____	_____/each
7) Breakaway kit for K-11 Kennedy Hydrants		
	_____	_____/each
9) Coupling for K-11 Breakaway		
	_____	_____/each
10) Sampling Station 3/4" X 5'		
	_____	_____/each

11) Tapping Gates

4"	_____	_____	/each
6"	_____	_____	/each
8"	_____	_____	/each
10"	_____	_____	/each
12"	_____	_____	/each

12) Gate Valves

4"	_____	_____	/each
6"	_____	_____	/each
8"	_____	_____	/each
10"	_____	_____	/each
12"	_____	_____	/each

13) Gate Boxes Complete

Gate Box Top	_____	_____	/each
Gate Box Cover	_____	_____	/each

14) 1" Gate Box Risers

1" with cover	_____	_____	/each
1" without cover	_____	_____	/each

15) Gate Box Risers

2" with cover	_____	_____	/each
2" without cover	_____	_____	/each
3" with cover	_____	_____	/each
3" without cover	_____	_____	/each

16) Gate Box Adaptors

Gate Box Adaptors w/cover	_____	_____	/each
Gate Box Adaptors without cover	_____	_____	/each

19) Plug

4"	_____	_____	/each
6"	_____	_____	/each
8"	_____	_____	/each
10"	_____	_____	/each
12"	_____	_____	/each

20) Caps

4"	_____	_____	/each
6"	_____	_____	/each
8"	_____	_____	/each
10"	_____	_____	/each
12"	_____	_____	/each

21) Caps (With IP Tap)

4" with 2" IP Tap	_____	_____	/each
6" with 2" IP Tap	_____	_____	/each
8" with 2" IP Tap	_____	_____	/each
10" with 2" IP Tap	_____	_____	/each
12" with 2" IP Tap	_____	_____	/each

22) Reducers

6 x 4	_____	_____	/each
8 x 6	_____	_____	/each
10 x 4	_____	_____	/each
10 x 6	_____	_____	/each
10 x 8	_____	_____	/each
12 x 6	_____	_____	/each
12 x 10	_____	_____	/each

23) Tapping Saddles CC)

2 x 3/4	_____	_____	/each
2 x 1	_____	_____	/each
4 x 3/4	_____	_____	/each
4 x 1	_____	_____	/each
4 x 1 1/4	_____	_____	/each
6 x 3/4	_____	_____	/each
6 x 1	_____	_____	/each
6 x 1 1/4	_____	_____	/each
6 x 1 1/2	_____	_____	/each
6 x 2	_____	_____	/each
8 x 3/4	_____	_____	/each
8 x 1	_____	_____	/each
8 x 1 1/4	_____	_____	/each
8 x 1 1/2	_____	_____	/each
8 x 2	_____	_____	/each
10 x 1 1/4	_____	_____	/each
10 x 1 1/2	_____	_____	/each
10 x 2	_____	_____	/each
12 x 3/4	_____	_____	/each
12 x 1	_____	_____	/each
12 x 1 1/2	_____	_____	/each
12 x 2	_____	_____	/each
16 x 1 1/2	_____	_____	/each
16 x 2	_____	_____	/each
20 x 3/4	_____	_____	/each
20 x 1	_____	_____	/each
20 x 1 1/4	_____	_____	/each
20 x 1 1/2	_____	_____	/each
20 x 2	_____	_____	/each

24) Tapping Saddles (IP Tap)

2 x 3/4	_____	_____	/each
2 x 1	_____	_____	/each
4 x 1	_____	_____	/each
4 x 1 1/2	_____	_____	/each
6 x 3/4	_____	_____	/each
6 x 1	_____	_____	/each
6 x 1 1/2	_____	_____	/each
6 x 2	_____	_____	/each
8 x 3/4	_____	_____	/each
8 x 1	_____	_____	/each
8 x 1 1/2	_____	_____	/each
8 x 2	_____	_____	/each
10 x 3/4	_____	_____	/each
10 x 1	_____	_____	/each
10 x 1 1/2	_____	_____	/each

10 x 2	_____	_____/each
12 x 3/4	_____	_____/each
12 x 1	_____	_____/each
12 x 1 1/2	_____	_____/each
12 x 2	_____	_____/each
16 x 1 1/2	_____	_____/each
16 x 2	_____	_____/each
20 x 3/4	_____	_____/each
20 x 1	_____	_____/each
20 x 1 1/4	_____	_____/each
20 x 1 1/2	_____	_____/each
20 x 2	_____	_____/each

25) Tapping Sleeves

6 x 7 1/2 x 1 1/2	_____	_____/each
6 x 7 1/2 x 2	_____	_____/each
8 x 8 x 4	_____	_____/each
8 x 8 x 6	_____	_____/each
10 x 10 x 4	_____	_____/each
10 x 10 x 6	_____	_____/each
10 x 10 x 8	_____	_____/each
12 x 12 x 4	_____	_____/each
12 x 12 x 6	_____	_____/each
12 x 12 x 8	_____	_____/each
20 x 20	_____	_____/each
24 x 3/4	_____	_____/each
24 x 1	_____	_____/each
24 x 2	_____	_____/each

26) Tees

4 x 4 x 4	_____	_____/each
6 x 6 x 6	_____	_____/each
8 x 8 x 4	_____	_____/each
8 x 8 x 6	_____	_____/each
8 x 8 x 8	_____	_____/each
10 x 10 x 4	_____	_____/each
10 x 10 x 6	_____	_____/each
10 x 10 x 8	_____	_____/each
10 x 10 x 10	_____	_____/each
12 x 12 x 4	_____	_____/each
12 x 12 x 6	_____	_____/each
12 x 12 x 8	_____	_____/each
12 x 12 x 10	_____	_____/each

27) Elbows

4" Elbow, 11 1/4 Bend	_____	_____/each
4" Elbow, 22 1/2 Bend	_____	_____/each
4" Elbow, 45 Bend	_____	_____/each
4" Elbow, 90 Bend	_____	_____/each
6" Elbow, 11 1/4 Bend	_____	_____/each
6" Elbow, 22 1/2 Bend	_____	_____/each
6" Elbow, 45 Bend	_____	_____/each
6" Elbow, 90 Bend	_____	_____/each
8" Elbow, 11 1/4 Bend	_____	_____/each
8" Elbow, 22 1/2 Bend	_____	_____/each
8" Elbow, 45 Bend	_____	_____/each

8" Elbow, 90 Bend	_____	_____	/each
10" Elbow, 11 1/4 Bend	_____	_____	/each
10" Elbow, 22 1/2 Bend	_____	_____	/each
10" Elbow, 45 Bend	_____	_____	/each
10" Elbow, 90 Bend	_____	_____	/each
12" Elbow, 11 1/4 Bend	_____	_____	/each
12" Elbow, 22 1/2 Bend	_____	_____	/each
12" Elbow, 45 Bend	_____	_____	/each
12" Elbow, 90 Bend	_____	_____	/each

29) Brass Bushings

1" x 3/4"	_____	_____	/each
1 1/4" x 3/4"	_____	_____	/each
1 1/4" x 1"	_____	_____	/each
1 1/2" x 3/4"	_____	_____	/each
1 1/2" x 1"	_____	_____	/each
2" x 3/4"	_____	_____	/each
2" x 1"	_____	_____	/each
2" x 1 1/4"	_____	_____	/each
2" x 1 1/2"	_____	_____	/each
2" 1/2" x 2"	_____	_____	/each

30) Copper Tubing

3/4"	_____	_____	/each
1"	_____	_____	/each
1 1/4"	_____	_____	/each
1 1/2"	_____	_____	/each
2"	_____	_____	/each

33) Corporation Stop Coupling

3/4" x 3/4"	_____	_____	/each
1" x 1"	_____	_____	/each
1" x 1" x 1/4"	_____	_____	/each
1" x 1 1/2"	_____	_____	/each

36) Buffalo Repair Lids

_____	_____	/each
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41) Curb Stop PPJ x PPJ

1"	_____	_____	/each
1 1/4"	_____	_____	/each

42) Curb Stop FIP X FIP

1 1/4"	_____	_____	/each
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43) Curb Stop FIP X PPJ

1 1/4"	_____	_____	/each
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44) Female Adaptor IP X PPJ

1 1/4" x 3/4"	_____	_____	/each
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1 1/2" x 3/4"	_____	_____	/each
2" x 3/4"	_____	_____	/each
1 1/2" x 1"	_____	_____	/each
2" x 1"	_____	_____	/each
1 1/2" x 1 1/4"	_____	_____	/each
2" x 1 1/4"	_____	_____	/each
3/4" x 1 1/2"	_____	_____	/each
1" x 1 1/2"	_____	_____	/each

45) Elbows, Brass

3/4" 45'	_____	_____	/each
1" 45'	_____	_____	/each
1 1/4" 45'	_____	_____	/each
1 1/2" 45'	_____	_____	/each
2" 45'	_____	_____	/each
3/4" 22 1/2'	_____	_____	/each
1" 22 1/2'	_____	_____	/each
1 1/4" 22 1/2'	_____	_____	/each
1 1/2" 22 1/2'	_____	_____	/each
2" 22 1/2'	_____	_____	/each
3/4" 11 1/4'	_____	_____	/each
1" 11 1/4'	_____	_____	/each
1 1/4" 11 1/4'	_____	_____	/each
1 1/2" 11 1/4'	_____	_____	/each
2" 11 1/4'	_____	_____	/each
3/4" 90'	_____	_____	/each
1" 90'	_____	_____	/each
1 1/4" 90'	_____	_____	/each
1 1/2" 90'	_____	_____	/each
2" 90'	_____	_____	/each

47) Nipples, Brass

3/4" x 2"	_____	_____	/each
1" x 2"	_____	_____	/each
1 1/4" x 2"	_____	_____	/each
1 1/2" x 2"	_____	_____	/each
2" x 2"	_____	_____	/each
2 1/2" x 2"	_____	_____	/each
3/4" x 4"	_____	_____	/each
1" x 4"	_____	_____	/each
1 1/4" x 4"	_____	_____	/each
1 1/2" x 4"	_____	_____	/each
2" x 4"	_____	_____	/each
2 1/2" x 4"	_____	_____	/each
3/4" x 6"	_____	_____	/each
1" x 6"	_____	_____	/each
1 1/4" x 6"	_____	_____	/each
1 1/2" x 6"	_____	_____	/each
2" x 6"	_____	_____	/each
2 1/2" x 6"	_____	_____	/each

48) Nipples, Brass (Close)

3/4" x 2"	_____	_____	/each
1" x 2"	_____	_____	/each
1 1/4" x 2"	_____	_____	/each
1 1/2" x 2"	_____	_____	/each

2" x 2"	_____	_____	/each
3/4" x 4"	_____	_____	/each
1" x 4"	_____	_____	/each
1 1/4" x 4"	_____	_____	/each
1 1/2" x 4"	_____	_____	/each
2" x 4"	_____	_____	/each
3/4" x 6"	_____	_____	/each
1" x 6"	_____	_____	/each
1 1/4" x 6"	_____	_____	/each
1 1/2" x 6"	_____	_____	/each
2" x 6"	_____	_____	/each

50) Plug, Brass (IP)

3/4"	_____	_____	/each
1"	_____	_____	/each
1 1/4"	_____	_____	/each
1 1/2"	_____	_____	/each
2"	_____	_____	/each

51) Coupling, Reducer

1" x 3/4"	_____	_____	/each
1 1/4" x 3/4"	_____	_____	/each
1 1/2" x 3/4"	_____	_____	/each
2" x 3/4"	_____	_____	/each
1 1/4" x 1"	_____	_____	/each
1 1/2" x 1"	_____	_____	/each
2" x 1"	_____	_____	/each
1 1/2" x 1 1/4"	_____	_____	/each
2" x 1 1/4"	_____	_____	/each
2" x 1 1/2"	_____	_____	/each

52) Cast Coupling - 411 (Body length 6")

3/4"	_____	_____	/each
1"	_____	_____	/each
1 1/4"	_____	_____	/each
1 1/2"	_____	_____	/each
2"	_____	_____	/each

54) Transition Coupling DI to AC

4"	_____	_____	/each
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55) Transition Coupling AC to DI

2"	_____	_____	/each
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56) Full Circle Clamp

2" x 7 1/2"	_____	_____	/each
4" x 7 1/2"	_____	_____	/each
20" x 7 1/2"	_____	_____	/each

56) Full Circle Clamp (continued)

4" x 20"	_____	_____	/each
10" x 20"	_____	_____	/each
14" x 20"	_____	_____	/each
20" x 20"	_____	_____	/each
20" x 10"	_____	_____	/each

4" x 15" _____/each
 14" x 15" _____/each

57) Bell Joint Leak Clamp

14" _____/each
 16" _____/each
 20" _____/each

59) Pipe Coupling, IP X IP

3/4" _____/each
 1" _____/each
 1 1/4" _____/each
 1 1/2" _____/each
 2" _____/each
 2 1/2" _____/each

60) Ball Valves, FIP x FIP

3/4" _____/each
 1" _____/each
 1 1/4" _____/each
 1 1/2" _____/each

61) Caps, Brass

3/4" _____/each
 1" _____/each
 1 1/4" _____/each
 1 1/2" _____/each
 2" _____/each

62) Tees, Brass, I.P. Thread

3/4" _____/each
 1" _____/each
 1 1/4" _____/each
 1 1/2" _____/each
 2" _____/each

63) Tees, Brass, PPJ x PPJ X IP

2"x2"x3/4" _____/each

**CITY OF PORTSMOUTH
PORTSMOUTH, NEW HAMPSHIRE**

BID PROPOSAL FORM

Water Inventory

The undersigned agrees that he/she on behalf of Bidder has read the bid proposal documents and instruction to bidders and agrees to the terms and conditions set forth herein. The Bidder specifically understands that the City is under no obligation to purchase a particular quantity of the products listed. Bidder also understands that bid prices shall include delivery FOB to the address identified in the bid documents.

Bidder further agrees that this bid is not made jointly or in conjunction, cooperation or collusion with any person, firm, corporation or other legal entity.

Bidder agrees no officer, agent or employee of the Owner is directly or indirectly interested in this Bid.

Submitted by Authorized Agent:

(Print Name & Title)

Signature: _____

Date: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Fax: _____

Email: _____

In order to follow the City's sustainability practices, future bid invitations/specifications may be sent electronically. Please provide an email address as to where I could email future bid invitations/specifications of this type. Thank you in advance for your cooperation.

PLEASE INCLUDE MANUFACTURE'S SPECIFICATIONS SHEETS FOR EACH ITEM