



Request for Bids
Water Department

City of Portsmouth, New Hampshire
Water Inventory – Bid #33-08

Portsmouth, New Hampshire
Public Works Department

Water Inventory

INVITATION TO BID

Sealed bid proposals, **plainly marked, Water Inventory, Bid #33-08 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 **2:30 p.m. January 25, 2008** at which time all bids will be publicly opened and read aloud.

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

If you would like to obtain a copy of the bid specifications you may call the Purchasing Coordinator at 603-610-7227, visit the Finance Department on the third floor at the above address, or visit our website at www.cityofportsmouth.com. **Please continue below for the complete bid document.**

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**

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.

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 5 1/4 inch valve opening, regular 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
with 5', 5 1/2',
6' or 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 |
| 5. Hydrant Extension complete | 6", 12", 18", 24" |
| 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 |
| 8. Breakaway Kit for K-81A Kennedy Hydrant | 5 1/4" Opening |
| 9. Coupling for K-81A Breakaway complete w/pins & clips
Coupling for K-11 Breakaway complete w/pins & clips | 5 1/4" Opening
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.
17. Cutting-In Sleeve complete with gasket, bolts, gland with set screws. Clow or approved equal. "Must be compatible with cutting-in gate". 4",6",8",10",12"
18. Cutting-In Gate, non-rising stem, 2" operating nut, open right, "O" ring seal, M.J. ends, bolts flange and rubbers. Clow or approved equal. "Must be compatible with cutting-in sleeve". 4",6",8",10",12"
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
and gaskets. Must conform to latest
A.W.W.A. standards. Rated for 350 psi. 4", 6", 8",10",12"
28. Pipe, Ductile Iron, Cement Lined,
Class 52, "Tyton" or push-on joint, asphalt
coated outside. Pipe shall meet or exceed
all applicable A.W.W.A. standards (latest revision)
All necessary rubber gaskets and fitting lubricants
as required by manufacture shall be supplied with
the pipe. 4",6",8",10",12",16",20"
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" x1",
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"
31. Corporation, Brass, Ball Type.
Tapered A.W.W.A. thread (CC) inlet
with compression pack joint (PPJ) outlet. 3/4", 1", 1 1/4", 1 1/2", 2"
32. Corporation, Ball Type, Brass.
Inlet Iron Pipe (I.P.) with compression
pack joint outlet(PPJ). 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). 5/8"x3/4", 3/4"x3/4", 1"x1"
1" x 3/4", 1"x 1 1/4",
1"x1 1/2"
34. Curb Boxes complete with cover, counter
sunk bronze or brass pentagon plug.
24" rods. Boxes to extend 4 1/2' to
5 1/2' for 3/4" x 1" curb stops.
35. Curb Box Covers
36. Buffalo Repair Lids 2 1/2" for old style
buffalo type curb boxes.

37. Curb box repair cover with countersunk bronze or brass plug with set screw.	1"
38. Brass pentagon plug for curb box.	1"
39. Curb box foot piece with enlarged base, heavy duty, to convert curb boxes to fit 1 1/2" to 2" curb stops.	
40. Curb box riser with set screws (service box extension).	3", 6", 12"
41. Curb Stop, Ball Valve, Brass. with compression packed joint (PPJ) both ends.	3/4", 1", 1 1/4", 1 1/2", 2"
42. Curb Stop, Ball Valve, Brass, with female iron pipe (F.I.P.) both ends.	3/4", 1", 1 1/4", 1 1/2", 2"
43. Curb Stop, Ball Valve, Brass, with inlet female iron pipe (F.I.P.) and outlet compression packed joint (P.P.J.).	3/4", 1", 1 1/4", 1 1/2", 2"
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"
46. Male adaptors, brass. Inlet male iron pipe (I.P.) outlet compression packed joint (P.P.J.).	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"
49. Plug, brass, tapered, Corporation CC thread.	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"

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|---|---|
| 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" |
| 53. Cast Coupling, 4 bolt style, shall be Rockwell brand 441 or approved equal. Shall be complete with all necessary glands, rubber gaskets, nuts and bolts. | 4", 6", 8", 10", 12",
14", 16" and 20" |
| 54. Transition Coupling DI to AC | 4", 6", 8", 10", 12"
(All by 6") |
| 55. Transition Coupling AC to DI | 2"x6" |
| 56. Full Circle Clamp, Full Stainless Steel, complete with gaskets, stainless steel nuts and stainless steel bolts. | 2", 4", 6", 8", 12", 20" X7/12'
4", 6", 8" x 12 1/2"
4", 6", 8", 10", 12", 14", 16, 20" X20"
10", 14", 16", 20" X10"
4", 6", 8", 10", 12", 14, 20" X15"
20"x10", 12", 15", 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. | 4", 6", 8", 12", 14",
16", 20" |
| 58. Union, 3 piece, brass. Compression packed joint (PPJ) both ends. | 3/4", 1", 1 1/4",
1 1/2", and 2" |
| 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>
<u>1) Flushing Hydrants</u>		
3/4" x 5' Bury	_____	_____/each
1" x 5' Bury	_____	_____/each
2" x 5' Bury	_____	_____/each
2 1/2" x 5' Bury	_____	_____/each
<u>2) Fire Hydrants</u>		
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
<u>3) Fire Hydrants Inserts</u>		
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
<u>4) Hydrant Elbows</u>		
6" for 4" Hydrant	_____	_____/each
6" for 4 1/2" Hydrant	_____	_____/each
6" for 5" Hydrant	_____	_____/each
6" for 5 1/4" Hydrant	_____	_____/each
<u>5) Hydrant Extensions</u>		
6"	_____	_____/each
12"	_____	_____/each
18"	_____	_____/each
24"	_____	_____/each
<u>6) Ground Frost Sleeves for use on Bury</u>		
5'	_____	_____/each
5 1/2'	_____	_____/each
6'	_____	_____/each
6 1/2'	_____	_____/each
<u>7) Breakaway kit for K-11 Kennedy Hydrants</u>		
	_____	_____/each

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

8) Breakaway Kit for K-81A Kennedy Hydrants _____/each

9) Coupling for K-81A Breakaway _____/each
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 Bottom _____/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

17) Cutting-In Sleeve

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

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

18) Cutting-In Gate

4"	_____	_____/each
6"	_____	_____/each
8"	_____	_____/each
10"	_____	_____/each
12"	_____	_____/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 4	_____	_____/each
8 x 6	_____	_____/each
10 x 4	_____	_____/each
10 x 6	_____	_____/each
10 x 8	_____	_____/each
12 x 4	_____	_____/each
12 x 6	_____	_____/each
12 x 8	_____	_____/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
4 x 1 1/2	_____	_____/each
4 x 2	_____	_____/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

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

23) Tapping Saddles CC) (Continued)

8 x 1	_____	_____	/each
8 x 1 1/4	_____	_____	/each
8 x 1 1/2	_____	_____	/each
8 x 2	_____	_____	/each
10 x 3/4	_____	_____	/each
10 x 1	_____	_____	/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 14 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 3/4	_____	_____	/each
4 x 1	_____	_____	/each
4 x 1 1/2	_____	_____	/each
4 x 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 14 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

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

24) Tapping Saddles (IP Tap) (continued)

20 x 2 _____ /each

25) Tapping Sleeves

4 x 4 x 4 _____ /each

6 x 6 x 4 _____ /each

6 x 6 x 6 _____ /each

6 x 7 1/2 x 3/4 _____ /each

6 x 7 1/2 x 1 _____ /each

6 x 7 1/2 x 1 1/2 _____ /each

6 x 7 1/2 x 2 _____ /each

6 x 12 1/2 x 2 _____ /each

6 x 15 x 2 _____ /each

8 x 15 x 3/4 _____ /each

8 x 15 x 1 _____ /each

8 x 15 x 1 1/2 _____ /each

8 x 15 x 2 _____ /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

12 x 12 x 12 _____ /each

16 x 16 x 8 _____ /each

20 x 4 _____ /each

20 x 6 _____ /each

20 x 8 _____ /each

20 x 10 _____ /each

20 x 12 _____ /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 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

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

26) Tees (continued)

12 x 12 x 8	_____	_____	/each
12 x 12 x 10	_____	_____	/each
12 x 12 x 12	_____	_____	/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

28) Ductile Iron Pipe

4" Ductile Iron Pipe	_____	_____	/each
6" Ductile Iron Pipe	_____	_____	/each
8" Ductile Iron Pipe	_____	_____	/each
10" Ductile Iron Pipe	_____	_____	/each
12" Ductile Iron Pipe	_____	_____	/each
16" Ductile Iron Pipe	_____	_____	/each
20" Ductile Iron Pipe	_____	_____	/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

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

31) Corporation CC X PPJ

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

32) Corporation IP X PPJ

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

33) Corporation Stop Coupling

5/8" x 3/4"	_____	_____	/each
3/4" x 3/4"	_____	_____	/each
1" x 1"	_____	_____	/each
1" x 3/4"	_____	_____	/each
1" x 1" x 1/4"	_____	_____	/each
1" x 1 1/2"	_____	_____	/each

34) Curb Boxes

_____	_____	/each
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35) Curb Box Covers

_____	_____	/each
-------	-------	-------

36) Buffalo Repair Lids

_____	_____	/each
-------	-------	-------

37) Service Box Plug Cover

_____	_____	/each
-------	-------	-------

38) Brass Plug

_____	_____	/each
-------	-------	-------

39) Curb Box Footpiece

_____	_____	/each
-------	-------	-------

40) Curb Box Riser

3"	_____	_____	/each
6"	_____	_____	/each
12"	_____	_____	/each

41) Curb Stop PPJ x PPJ

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

42) Curb Stop FIP X FIP

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

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

43) Curb Stop FIP X PPJ

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

44) Female Adaptor IP X PPJ

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

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

46) Male Adaptor, IP X PPJ

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

49) Plug, Brass (Threaded)

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

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

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

53) Cast Coupling 441

4"	_____	_____	/each
6"	_____	_____	/each
8"	_____	_____	/each
10"	_____	_____	/each
12"	_____	_____	/each
14"	_____	_____	/each
16"	_____	_____	/each
20"	_____	_____	/each

54) Transition Coupling DI to AC

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

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
6" x 7 1/2"	_____	_____	/each
8" x 7 1/2"	_____	_____	/each
12" x 7 1/2"	_____	_____	/each
20" x 7 1/2"	_____	_____	/each
4" x 12 1/2"	_____	_____	/each
6" x 12 1/2"	_____	_____	/each

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

56) Full Circle Clamp (continued)

8" x 12 1/2"	_____	_____	/each
4" x 20"	_____	_____	/each
6" x 20"	_____	_____	/each
8" x 20"	_____	_____	/each
10" x 20"	_____	_____	/each
12" x 20"	_____	_____	/each
14" x 20"	_____	_____	/each
16" x 20"	_____	_____	/each
20" x 20"	_____	_____	/each
10" x 10"	_____	_____	/each
14" x 10"	_____	_____	/each
16" x 10"	_____	_____	/each
20" x 10"	_____	_____	/each
4" x 15"	_____	_____	/each
6" x 15"	_____	_____	/each
8" x 15"	_____	_____	/each
10" x 15"	_____	_____	/each
12" x 15"	_____	_____	/each
14" x 15"	_____	_____	/each
20" x 15"	_____	_____	/each
20" x 12"	_____	_____	/each

57) Bell Joint Leak Clamp

4"	_____	_____	/each
6"	_____	_____	/each
8"	_____	_____	/each
10"	_____	_____	/each
12"	_____	_____	/each
14"	_____	_____	/each
16"	_____	_____	/each
20"	_____	_____	/each

58) Union, 3 Piece

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

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

60) Ball Valves, FIP x FIP

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

PLEASE INCLUDE MANUFACTURE'S SPECIFICATIONS SHEETS FOR EACH ITEM