

SPECIFIC SPECIFICATIONS AND SPECIAL CONDITIONS

EVENT # 4909 BRASS WATER DISTRIBUTION FITTINGS

- 4.0 The purpose of these specifications is to describe various water distribution brass fittings for use by the Water Distribution. All fittings shall conform to AWWA C-800 and NSF 61 NO-LEAD compliant.
- 4.1 **Detailed Specifications: Description of Items (Items 1 - 23 on Bid Proposal Form).**
- 4.1.1 3/4" Curb Stop – FIP XCTS Compression full port valve with lock wing - limited to Ford B41-333W-QNL or equal.
 - 4.1.2 1" Curb Stop – FIP X CTS Compression full port valve with lock wing - limited to Ford B41-444W-QNL or equal.
 - 4.1.3 1" Ball Valve Curb Stop – FIP X FIP with lock wing – limited to Ford B11-444-W-NL or equal.
 - 4.1.4 3/4" Ball Valve – FIP X FIP with lock wing – limited to Ford BL11-233W-3.5NL, or equal.
 - 4.1.5 3/4" Corporation Stop - AWWA standard thread – X CTS Compression with lock wing – limited to Ford F-1000-3-QNL series or equal.
 - 4.1.6 1" Corporation Stop - AWWA standard thread – X CTS Compression with lock wing limited to Ford F-1000-4-QNL series or equal.
 - 4.1.7 5/8" x 3/4" Coupling Corporation Stop Eighth Bend Swivel Gooseneck – limited to Ford LA104-23S-QNL or equal.
 - 4.1.8 1" Coupling Corporation Stop Eighth Bend Swivel Gooseneck – limited to Ford LA104-44S-QNL or equal.
 - 4.1.9 3/4" Straight Coupling Adapter – MIP X CTS Compression, with lock wing – limited to Ford C84-33-QNL or equal.
 - 4.1.10 1" Straight Coupling Adapter – MIP X CTS Compression, with lock wing – limited to Ford C-84-44-QNL or equal.
 - 4.1.11 3/4" Straight Coupling Adapter – FIP X CTS Compression, with lock wing – limited to Ford C-14-33-QNL or equal.
 - 4.1.12 1" Straight Coupling Adapter – FIP X CTS Compression, with lock wing - limited to Ford C-14-44-QNL or equal.



- 4.1.13 3/4" Straight Coupling Adaptor, CTS X CTS Compression, with lock wing – limited to Ford C-44-33-QNL or equal.
- 4.1.14 1" Straight Coupling Adaptor CTS X CTS Compression, with lock wing -limited to Ford C-44-44-QNL or equal.
- 4.1.15 3/4" Meter Brass - 2 - 1/2" long minimum weight 150 grams, machine finish on inside and outside, with lock wing – shall be Ford C38-23-2.5-NL or equal.
- 4.1.16 1" Meter Brass - 2-5/8" long, minimum weight 195.2 grams, machine finish inside and outside, with lock wing – shall be Ford C38-44-2.625-NL or equal.
- 4.1.17 1-1/2" Meter Brass - 2-27/32" long, minimum weight 373.4 grams, machine finish inside and outside, four rib outside, with lock wing – shall be Ford C38-66-2.875-NL or equal.
- 4.1.18 1-1/2" Ball Valve Curb Stop – FIP X FIP with lock wing – limited to Ford B11-66W- L or equal.
- 4.1.19 2" Ball Valve Curb Stop – FIP X FIP – limited to Ford B11-777W-NL or equal.
- 4.1.20 2" Pack Joint Coupling MIP X PVC – limited to Ford C87-77-NL or equal.
- 4.1.21 2" Pack Joint Coupling FIP X PVC – limited to Ford C17-77-NL or equal.
- 4.1.22 2" Pack Joint Coupling MIP X CTS – limited to Ford C84-77-NL or equal.
- 4.1.23 3/4" Standard Yokebox Expansion Meter Box Connections – limited to Ford EC-23-NL or equal.

Description of Items (Items 24 - 78 on Bid Proposal Form).

All fittings are to be National Pipe Thread (NPT) and shall conform to AWWA C-800 and must be NSF 61 NO-LEAD compliant.

- 4.1.24 Bushing Brass 3/4" x 1/2".
- 4.1.25 Bushing Brass 1" x 3/4".
- 4.1.26 Bushing Hex Brass 1 1/2" x 1".
- 4.1.27 Bushing Hex Brass 2" x 1 1/2".
- 4.1.28 Cap Brass 3/4".
- 4.1.29 Cap Brass 1".
- 4.1.30 Coupling Brass 3/4".
- 4.1.31 Coupling Brass 1".

- 4.1.32 Coupling Brass 2".
- 4.1.33 Elbow Brass 1" 45 Degree.
- 4.1.34 Elbow Brass 3/4" 90 Degree.
- 4.1.35 Elbow Brass 1" 90 Degree.
- 4.1.36 Elbow Brass 1 1/2" 90 Degree.
- 4.1.37 Elbow Brass 2" 90 Degree.
- 4.1.38 Nipple Brass 3/4" x 2".
- 4.1.39 Nipple Brass 3/4" x 3".
- 4.1.40 Nipple Brass 3/4" x 4".
- 4.1.41 Nipple Brass 3/4" x 5".
- 4.1.42 Nipple Brass 3/4" x 6".
- 4.1.43 Nipple Brass 3/4" x 12".
- 4.1.44 Nipple Brass 3/4" x 24".
- 4.1.45 Nipple Brass 1" x Close.
- 4.1.46 Nipple Brass 1" x 2".
- 4.1.47 Nipple Brass 1" x 3".
- 4.1.48 Nipple Brass 1" x 4".
- 4.1.49 Nipple Brass 1" x 6".
- 4.1.50 Nipple Brass 1" x 12".
- 4.1.51 Nipple Brass 1" x 24".
- 4.1.52 Nipple Brass 1 1/2" x 2".
- 4.1.53 Nipple Brass 1 1/2" x 3".
- 4.1.54 Nipple Brass 1 1/2" x 4".
- 4.1.55 Nipple Brass 1 1/2" x 6".
- 4.1.56 Nipple Brass 1 1/2" x 12".

- 4.1.57 Nipple Brass 1 1/2" x 24".
- 4.1.58 Nipple Brass 2" x Close.
- 4.1.59 Nipple Brass 2" x 3".
- 4.1.60 Nipple Brass 2" x 4".
- 4.1.61 Nipple Brass 2" x 6".
- 4.1.62 Nipple Brass 2" x 12".
- 4.1.63 Nipple Brass 2" x 24".
- 4.1.64 Nipple Brass Double Male Hex 2 1/2" M NST x 2" M NPT.
- 4.1.65 Plug Brass 3/4".
- 4.1.66 Plug Brass 1".
- 4.1.67 Tee Brass 3/4".
- 4.1.68 Tee Brass 1".
- 4.1.69 Tee Brass 1 1/2".
- 4.1.70 Tee Brass 2".
- 4.1.71 Bend Brass 3/4" 45 Degree.
- 4.1.72 Bend Brass 1" 45 Degree.
- 4.1.73 Bend Brass 1 1/2" 45 Degree.
- 4.1.74 Bend Brass 2" 45 Degree.
- 4.1.75 Union Brass 3/4".
- 4.1.76 Union Brass 1".
- 4.1.77 Union Brass 1 1/2".
- 4.1.78 Union Brass 2".
- 4.3 Bid prices must remain firm for the duration of the contract.
- 4.4 Quantities stated in these specifications are based on prior usage and are estimates only.
- 4.5 All pricing should include freight.



- 4.6 **Basis of Award:** This contract will be awarded to the vendor that offers the lowest net price to the City, and who meets or exceed all specifications herein. The City reserves the right to split the award if deemed to be in its best interest. The City also reserves the right to appoint a primary and secondary vendor if deemed advantageous.

The City did not establish MWBE goals for this event.

