



# CITY OF BISHOP

377 West Line Street - Bishop, California 93514  
 Post Office Box 1236 - Bishop, California 93515  
 760-873-8458 publicworks@ca-bishop.us  
 www.ca-bishop.us

## Request for Bids

### Water Line Materials

**Release:** 10 November 2009

**Close:** 20 November 2009

**Contact:** Deston Dishion, Public Works Superintendent  
 760-784-1417 or [destondishion@ca-bishop.us](mailto:destondishion@ca-bishop.us)

**General:**

The City of Bishop requests bids for the purchase of water line materials. Bids shall be delivered to Bishop Public Works at City Hall, 377 West Line Street, Bishop, California 93514. Bids shall be accepted at City Hall until 3 pm the date the Request for Bids closes.

Bids shall include item unit costs, total item costs, and total bid cost including tax and shipping.

**Material Description and Quantities:**

Item	Quant	Unit	Description	Cost	
				Unit	Total Item
1	280	Feet	8 inch plastic pipe		
2	20	Feet	6 inch plastic pipe		
3	1	Each	8 inch flanged cross		
4	3	Each	8 inch flange by mechanical joint resilient seat gate valve		
5	2	Each	Romac 501 couplings with accessories for 8 inch C-900 on one end and 8 inch steel on the other end		
6	2	Each	8 inch by 6 inch mechanical joint by flange tee		
7	2	Each	6 inch mechanical joint by flange resilient seat gate valve		
8	2	Each	Mueller fire hydrants (City of Bishop Specification) 5-1/4 inch barrel, 2-1/2 by 4 inch nozzle		
9	300	Feet	3/4 inch poly pipe copper tubing size 200 psi (Wesflex GLC200)		
10	8	Each	3/4 inch corporation valves (Mueller B25028)		
11	8	Each	3/4 inch curb stop valves (Mueller B20283)		
12	8	Each	3/4 inch meter tail pieces (Mueller H10890) and meter idler sets		

13	8	Each	8 inch by 3/4 inch service saddles (Romac) for C900 pipe		
14	8	Each	12 inch by 22 1/4 inch valve boxes with cast iron lids marked "Water" (Christy Box N16)		
15	7	Each	8 inch flange bolt up kits and full face flange gaskets		
16	2	Each	6 inch bolt up kits and full face flange gaskets		
17	10	Each	8 inch bell restraints for C-900		
18	8	Each	8 inch Romac Grip Rings and accessories (C-900)		
19	4	Each	6 inch Romac Grip Rings and accessories (C-900)		
20	5	Each	Christ G5 valve boxes with lid marked water (traffic rated)		
21	40	Feet	8 inch SDR 35 plastic pipe		
22	20	Each	Anti rotation bolts-3/4 inch by 3-1/2 inch		
23	20	Each	3/4 inch stiffeners for poly pipe CTS		
24	800	Feet	tracer wire		
25	800	Feet	metallic detection tape marked water		
26	2	Each	8 inch blind flanges		
<b>Total</b>					
<b>Tax</b>					
<b>Shipping</b>					
<b>Total Bid</b>					

**Material Specifications:**

All materials except hydrants may be approved equals.

Plastic pipe shall be polyvinyl chloride (PVC) water distribution pipe conforming to American Water Works Association (AWWA) C900 Class 305 requirements with integral bell and spigot joints, shall meet the requirements of ANSI/NSF 61 "Drinking Water System Components - Health Effects", and shall be manufactured to cast iron outside diameters (CIOD) in accordance with AWWA C900. The bell shall consist of an integral thickened wall section with an elastomeric seal. The wall thickness in the bell section shall conform to the requirements of Section 6.2 of ASTM D3139, "Standard Specification for Joint for Plastic Pressure Pipes Using Flexible Elastomeric Seals". The seal shall meet the requirement of ASTM F477 "Standard for Elastomeric Seals (Gaskets) for Joining Plastic Pipe." Fittings and valves shall conform to the provisions of the Bishop Specifications.

Resilient seat gate valves shall conform to the requirements of AWWA C509. Valves shall be manufactured by Mueller or Clow.

All valves shall be non-rising stem, counterclockwise opening. Valves are to have 2-inch square cast iron operating nuts. Valves shall be marked with raised lettering cast on the body indicating manufacturer and working pressure. Minimum water working pressure to be 200 psig.

Valves shall be iron bodied, bronze mounted, with modified wedge disc or parallel faced disc with replaceable resilient seats. The bronze stem nut shall be solid bronze conforming to ASTM B62 (4-5% zinc). The bronze stem shall be cast bronze or forged bronze bar stock containing a maximum of 2% zinc.

The interior of the valve body and wedge shall be coated at the place of manufacturer. Surfaces shall be sandblasted in accordance with SSPC-SP-5 (white metal blast cleaning). Interior coating shall consist of two coats of epoxy resin, Keysite 740 or equal, applied to a minimum dry-film thickness of 10 mils.

Valve bodies and cast iron portions of the operator housings and extensions shall be coated at the place of manufacturer. Surfaces shall be sandblasted in accordance with SSP-SP-6 (commercial blast cleaning). One coat of heavy-duty coal-tar (Kippers Bitumastic 505 or approved equal) shall be applied to all minimum dry-film thickness of 15 mils. The paint manufacturer's application recommendations shall be followed.

Fire hydrants shall be Mueller Centurion conforming to AWWA specification C-502 with A-423 dry barrel and be painted safety yellow.