

V.A.L.U.E. IN LOCAL GOVERNMENT

SPECIFICATIONS

RFP #2001-155

PIPE REPAIR CLAMPS, ALL STAINLESS STEEL SIZES 2" THROUGH 24"

I. GENERAL REQUIREMENTS

Furnish stainless steel repair clamps as needed to the following agencies for the period June 15, 2001 through June 14, 2004.

II. TECHNICAL REQUIREMENTS

A. Description: Pipe repair clamps as described herein shall consist of a rubber liner completely enclosed and fastened in a stainless steel assembly all of which is galvanically passive to gray cast or ductile iron.

B. Materials: Repair clamp materials shall conform to the following requirements:

1. All metallic components shall be made of 304 AISI Austenitic 18-8 stainless steel.
2. Bands and bridging for pipe sizes 2" through 12" shall be 20 gauge minimum and for pipe sizes 16" through 24" shall be 18 gauge minimum.
3. Lugs that are fused to the band shall be welded with austenitic 18-8 stainless steel rod. All welds shall have corrosion resistance equal to or greater than 18-8 stainless steel.
4. The gaskets shall be made of 100% new compounds of Neoprene rubber or approved equal, suitable for use on a potable water main.

C. Repair Clamp Design: Repair clamps shall be designed in accordance with the following requirements:

1. The bands shall be constructed of a single section for 2" through 12", and of 2 sections for the 16" through 24" sizes, and shall fit the following ranges of pipe outside diameter.

All dimensions are in inches:

Nominal Size	Minimum	Maximum
2"	2.35	2.63
3"	3.73	4.00
4"	4.74	5.14
6"	6.84	7.24
8"	8.99	9.39
10"	11.04	11.44
12"	13.10	13.50
16"	17.15	18.35
20"	21.52	22.72
24"	25.70	26.90

- C. Repair Clamp Design: (continued)
2. Joint lugs shall be furnished with a maximum bolt spacing of 4". The lugs shall be adequately secured to the body and shall be designed to prevent bending of the bolts.
 3. The nuts and bolts shall have UNC class 2 fit and shall be a minimum of ½" diameter for the 2" through 4" size, and a minimum of 5/8" diameter for the 6" through 24" sizes, and shall be 18-8 stainless steel.
 4. The gaskets shall be molded to a nominal thickness of 3/16" and shall be resistant to crystallizing, aging and permanent set.
 5. The minimum clamp length shall be the length specified on the bid form.
- D. Hydraulic Capability: All components of the pipe repair clamps in each size shall be adequate in size to withstand a minimum of 150 psi when sealing a pipe opening of 6 square inches.
- E. Marking: The range of pipe O.D.'s are to be marked on the outside band surface.
- F. Certifications: Upon request, the contractor shall submit the manufacturer's certifications in duplicate to the City Engineer, certifying the materials and physical properties of the materials used in producing the pipe repair clamps.
- G. Delivery: Time is of the essence. Maximum allowable delivery lead time will be 30 calendar days on all sizes of repair clamps.
- H. Award: Award will be made in the aggregate to the low responsive and responsible bidder.
- I. Note: Attached are additional general specification terms and conditions, Specification No. 70b-D-7, which apply to the City of Milwaukee only.

CITY OF MILWAUKEE

SPECIFICATION NO. 70b-D-7

January 4, 2000

(W.E.D. No. OA-P-1/98)

STATEMENT OF GENERAL SPECIFICATION TERMS AND CONDITIONS

NOTE: THIS SPECIFICATION AND ANY ACCOMPANYING SPECIFICATION OR BID CAN BE APPEALED.

YOUR APPEAL MUST BE SUBMITTED IN WRITING TO THE CITY PURCHASING DIRECTOR FOR FORMAL BIDS (BIDS THAT EXCEED \$30,000) OR TO THE CITY PROCUREMENT MANAGER FOR INFORMAL BIDS (BIDS THAT DO NOT EXCEED \$30,000) NO LATER THAN FIVE (5) WORKING DAYS PRIOR TO BID OPENING.

YOUR APPEAL MUST NOT ONLY IDENTIFY THE PROVISION, TERM, OR CONDITION THAT IS CAUSING PROBLEMS, BUT ALSO YOUR PROPOSED ALTERNATE PROVISION, TERM, OR CONDITION AND BE SUPPORTED BY TECHNICAL DATA, TEST RESULTS AND OTHER INFORMATION.

CONTACT THE APPROPRIATE PURCHASING AGENT OR THE PROCUREMENT SPECIALIST FOR APPEAL FILING INSTRUCTIONS.

APPEALS RECEIVED LATER THAN FIVE (5) DAYS PRIOR TO BID OPENING OR WITHOUT SUFFICIENT DETAILS WILL NOT BE CONSIDERED.

NOTICE!

A \$76.00 PBB IS REQUIRED WITH

ALL BID APPEALS

THE \$76.00 FEE IS A PREREQUISITE FOR PURSUING THE APPEAL

AND MUST ACCOMPANY THE APPEAL

(SPECIFICATION AND RECOMMENDATION OF AWARD)

CAUTION: A BID THAT DOES NOT FULLY COMPLY WITH ALL OF THE PROVISIONS, TERMS, AND CONDITIONS OF THIS OR ANY ACCOMPANYING SPECIFICATION AND BID, MAY BE DETERMINED AS A COUNTEROFFER AND MAY RESULT IN THE BID BEING REJECTED FOR NON-RESPONSIVENESS.

- I. **GENERAL** It is the intent of this specification and all accompanying specifications to describe the minimum requirements for the materials to be purchased by the City of Milwaukee for the Milwaukee Water Works. All items, details of construction, or features not specifically mentioned which are regularly furnished in order to provide a complete unit shall be furnished by the successful bidder at the bid price and shall conform in strength, quality of material and workmanship to that usually provided by the engineering practice indicated in this specification.
- II. **WARRANTY** The furnishing contractor warrants that the materials and component parts furnished hereunder will be of merchantable quality, will conform to applicable specifications, drawings, designs, samples or descriptions, will be free from any defects, faulty construction and poor workmanship and will be suitable for normal usage in a water distribution system.

The warranty shall be 100% Parts and Labor and shall remain in effect for a minimum of two (2) years from date of acceptance or one (1) year from date of installation, whichever occurs first. Under this provision, the furnishing contractor agrees to repair or replace within a reasonable time, any material or accessories found to be defective during the warranty period at no cost to the City.

If 10% of the material furnished under the same contract develop or exhibit similar defects after installation, the furnishing contractor shall also pay the labor, equipment and material costs incurred by the Milwaukee Water Works in replacing the defective material.

III. AWARD AUTHORITY

- A. The Standards and Procurement Division (DOA) will be the sole judge of the quality and suitability of the equipment, materials and/or services offered in its determination of the successful bidder for bids that do not exceed \$30,000.
- B. The Central Board of Purchases will be the sole judge of the quality and suitability of the equipment, materials and/or services offered in its determination of the successful bidder for bids that exceed \$30,000.

IV. AMERICAN WATER WORKS ASSOCIATION AND AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATIONS.

Reference to the American Water Works Association (AWWA) and American Society for Testing and Materials (ASTM) designations mentioned herein (wherever applicable) shall mean the latest particular AWWA Standard and ASTM specification and/or test procedure in effect at the time the bids are taken.

Whenever material components are to be made in accordance with AWWA or ASTM standards, the furnishing contractor shall be held responsible for the proper conformance of all applicable test requirements and testing procedures.

- V. SERVICE Since the City must be assured of being able to maintain and repair the materials purchased, the furnishing contractor must have a satisfactory record of providing parts and providing service for these materials and components bid.

Bids will not be considered from vendors who have previously failed to provide parts and satisfactory service.

- VI. INTERCHANGEABILITY All material of the same manufacturer and model, regardless of the year manufactured, shall have interchangeable component parts.

- VII. DEMONSTRATION Upon request of the Purchasing Division (DOA), bidders shall submit for demonstration a sample of the material they intend to furnish on their bid.

- VIII. SHIPPING AND DELIVERY The material shall be secured in place in such a manner as to prevent damage to the components and coatings during shipment.

Shipments shall be made on flat-bed truck or semi-trailer with removable sides or top. Whenever possible, merchandise is to be placed on non-returnable pallets/in containers or baskets, with like items on/in each container for easier handling. Baskets/container items will be marked as to count it contains. Carrier is required to notify the City of Milwaukee Water Works-Stores Division 24 hours prior to delivery to allow for men and equipment to be on job site for unloading.

- VIII. SHIPPING AND DELIVERY (continued)

Telephone #(414) 286-2824. Each delivery will be accompanied by a packing list with the City of Milwaukee Purchase Order Number on it. No deliveries shall be made after 2:30 P.M. No collect deliveries will be accepted. The City of Milwaukee will be responsible for unloading.

- IX. BID SUBMITTAL DATA When requested, bidders must submit with their bid sufficient number of drawings of the material they intend to furnish. These drawings shall show the manner in which the material and auxiliary pieces will be assembled, all pertinent dimensions, and the estimated weight of the complete unit.

Sufficient data and literature must be submitted to indicate compliance with the specification.

- X. SUBMITTALS AFTER AWARD OF CONTRACT After the award of the contract, the furnishing contractor shall upon request, submit to the City Engineer of the City of Milwaukee for approval, three (3) sets of drawings for the materials being furnished.

The drawing submittal shall show the following information:

1. Internal construction details, overall dimensions, materials of components, and the weight of the material.
2. Manufacturer's name.

One set of drawings will be returned to the furnishing contractor marked "Approved" or "Approved As Noted".

After making corrections and notations, the furnishing contractor shall submit four (4) sets of certified approved drawings to the City Engineer for record and distribution.

All material shall be furnished in accordance with these certified approved drawings.

Whenever there is a change in the design of a component of the item(s) being furnished, the furnishing contractor shall submit a detailed drawing showing this change.

- XI. EXTERIOR FASTENERS All exterior bolts and nuts, plugs, pins, and external accessories on materials to be buried shall be made from low zinc bronze (zinc content not to exceed 6%), 300 Series 18-8 stainless steel, or an approved equal corrosion resistant material.

- XII. AFFIDAVIT AND CERTIFICATION Upon request, the furnishing contractor shall submit in duplicate, to the City Engineer of the City of Milwaukee a manufacturer's affidavit of compliance in accordance with the applicable AWWA Standards.

XIII. INSPECTION BY CITY

- A. All required data, drawings, manuals, and certifications shall be furnished before any materials will be inspected.
- B. The City Engineer of the City of Milwaukee or his duly authorized representative will inspect all materials furnished.
- C. Any materials found not conforming to the specifications, will not be accepted.
- D. Replacement for materials that failed under warranty shall conform to all the requirements of the applicable specification.
- E. The City reserves the right to inspect materials at the factory.

XIV. VENDOR QUALIFICATIONS AND PRE-BID APPROVAL

- A. Bids will be accepted only for finished products which have been previously reviewed and approved, by Water Engineering, Milwaukee Water Works, for conformance with all specifications indicated on the bid proposal. Unless this requirement is waived by the DOA, Business Operations Division, Procurement Services Section, pre-bid approval must be complete before the bid letting date.
- B. Material that has been purchased by the City during the five (5) years prior to the bid letting date, and has demonstrated compliance with the current designated specifications, will not require further pre-approval for bidding.
- C. Potential bidders interested in obtaining materials approval prior to bid letting shall address their proposal to:

Superintendent
Milwaukee Water Works
City of Milwaukee
841 N. Broadway, Room 409
Milwaukee, WI 53202

XV. QUALITY: Vendors and/or the manufacturers of materials supplied to the City of Milwaukee shall inspect all of the materials for compliance with the appropriate City specifications prior to their shipment to the City.

Materials that are found to be non-compliant for whatever reason, will be rejected and returned for full credit including shipping costs.

Vendors and/or manufacturers, who ship materials that are found to be non-compliant, will also be responsible for the following:

1. Reimbursing the City for the cost of inspecting the materials that are rejected.
2. Reimbursing the City for the difference in cost between the open market and the bid price for the rejected materials.
3. Providing the City with the necessary information for the return of the rejected materials (i.e. RGA #, Return Address, etc.) within ten (10) calendar days of receiving a written notification of rejection, and making arrangements for the pickup of the rejected materials.

Note: Rejected materials must be picked up within five (5) working days of providing the City with the return goods information. If they are not picked up, they will be scrapped.