RFQ (Request for Quotes)
($10,000 to $50,000)

City of Brockton
Department of Public Works
PROJECT # DPW-RFQ20-WESTELM

POST/AVAILABLE: (Wednesday), May 13, 2020
RETURN/DEADLINE: (Wednesday), May 27, 2020 (NO LATER THAN 11:00 A.M.)
Furnish and Install (3) three new 20-inch Tapping Sleeves and Line Stops
(West Elm Street between Newbury Street and Main Street)

GENERAL INFORMATION

It is the declared and acknowledged intention to procure an experienced contractor to Furnish all labor, materials, equipment and incidentals required and construct the work in its entirety as specified in the Summary of Work. Please see the Summary of Work for more details.

QUOTE PACKAGES MAY BE DOWNLOAD FROM THE FOLLOWING:
RFQ documents may be downloaded from the City's website: www.brockton.ma.us
Go to the Postings Tab, then click on See All Procurement Postings.
(The City of Brockton will only accept procurements electronically through the Vendor Registry Portal. The results of the opening will be recorded and posted to the Vendor Registry Portal as well as to the City of Brockton Website.)

1. Questions concerning this RFQ must be submitted in writing before 3:00 P.M. on Friday, May 22, 2020 on Vendor Registry https://vrapp.vendorregistry.com/Bids/View/BidsList?BuyerId=feb6b383-c991-46ae-ad51-91bae6a5973f.
Written responses will be posted on Vendor Registry for all bidders on record as having viewed/downloaded the RFQ. If any changes are made to this RFQ, an addendum will be posted on Vendor Registry.

2. A visit is scheduled at the project site, which is on West Elm Street between Newbury and Main Street. The meeting location will be at the corner of Newbury Street and West Elm Street on Tuesday, May 19, 2020 at 11:00 a.m. All vendors are encouraged to attend.

3. Quotes greater than $25,000, the successful vendor/contractor must furnish a 50% (fifty percent) Payment Bond with a surety company acceptable to the Owner.

4. This is a Prevailing Wage Project. Rates are included in this quote package.

5. If you download an RFQ, it is your responsibility to check back for any addendums before submitting a response. The City of Brockton accepts no liability for quote submittals that fail to acknowledge any addenda. Acknowledge any addendums on the Quote Page 1.

6. As Successful Quoter you will be required to supply the City of Brockton with a properly endorsed CERTIFICATE OF INSURANCE. Both the City of Brockton and the vendor shall be named as co-insured/additional insured and the City of Brockton shall be named as owner.

7. The successful vendor/contractor must certify, under the pains and penalties of perjury, that they are able to furnish labor in harmony with all other elements of labor employed in the work and that all employees employed on the worksite, or in work subject to the bid, have successfully completed at least *10 hours of OSHA approved training.*

8. A written contract will be completed upon award of lowest most responsible and responsive quote.

RETURN COMPLETED RFQ QUOTE PAGES TO:
The City of Brockton's Vendor Registry Portal at
https://vrapp.vendorregistry.com/Bids/View/BidsList?BuyerId=feb6b383-c991-46ae-ad51-91bae6a5973f
NO LATER THAN (WED.) May 27, 2020 (ON/BEFORE 11:00 A.M.)
Any quotes received after this date & time shall not be accepted.

SECTION 01010
SUMMARY OF WORK

PART 1 GENERAL

1.01 LOCATION OF WORK

A. The work of this Contract is located in West Elm Street, Brockton, Massachusetts.

B. The 20-inch diameter West Elm Street water main conveys potable water for consumption and fire protection. The 20-inch diameter water main was installed in 1975 and is made of ductile iron.

C. The pressure along the 20-inch diameter water main is approximately 70-80 PSI.

1.02 SCOPE OF WORK

A. Furnish all labor, materials, equipment and incidentals required and construct the work in its entirety as specified herein.

B. The Work includes, but is not necessarily limited to, the following:

1. Furnish and install three new 20-inch tapping sleeves and line stops, on West Elm Street between Newbury Street and Main Street.

END OF SECTION

SECTION 02767
PIPELINE WET TAPPING AND LINE STOPPING

PAR T 1 GENERAL

1.01 SCOPE OF WORK

A. Furnish all labor, materials, equipment and incidentals required to perform hot tapping and line stopping on the existing 20-inch water main as specified herein.

1.03 SUBMITTALS

A. Submit, in accordance with submittal requirements, copies of all materials required to establish compliance with these Specifications. Submittals shall include the following:

1. Complete step-by-step descriptions of the methods to install the taps and line stops.

2. Complete drawings showing the location of the existing pipelines and the proposed locations of the taps and line stops.

3. Complete detail drawings of the proposed pipe tapping and line stopping equipment showing equipment and fitting positioning and overall dimensions and weight.

4. Complete detail drawings and description of materials of the line stop tapping sleeves, riser pipe, and blind flange.

SECTION 02767

PIPELINE WET TAPPING AND LINE STOPPING

PAR T 1 GENERAL

1.01 SCOPE OF WORK

B. Furnish all labor, materials, equipment and incidentals required to perform hot tapping and line stopping on the existing 20-inch water main as specified herein.

1.04 SUBMITTALS

A. Submit, in accordance with submittal requirements, copies of all materials required to establish compliance with these Specifications. Submittals shall include the following:

5. Complete step-by-step descriptions of the methods to install the taps and line stops.

6. Complete drawings showing the location of the existing pipelines and the proposed locations of the taps and line stops.

7. Complete detail drawings of the proposed pipe tapping and line stopping equipment showing equipment and fitting positioning and overall dimensions and weight.

8. Complete detail drawings and description of materials of the line stop tapping sleeves, riser pipe, and blind flange.

9. Statement indicating the design pressure rating of the line stop, tapping sleeves, tapping machine, and line stop equipment.

10. List of experience with similar pipe materials and sizes.

11. After completion of the tap, submit the coupon removed to the Owner.

1.05 DESCRIPTION OF SYSTEM

A. Tapping and line stopping shall be performed upon the pipelines as specified herein in such a manner that service in the pipelines shall not be affected. Except for the segment of pipe between the line stops closed for the installation of butterfly valve (to be installed by Owner), flow in the pipelines shall not be stopped.

B. Perform tapping and line stopping to allow for the isolation and dewatering of the existing 20-inch water main and installation of new butterfly valve (to be installed by Owner). Upon completion of the work, remove the line stop(s).

B. The anticipated working/operating pressure along the 20-inch water main is 70-80 psi.

1.05 QUALIFICATIONS

A. The Contractor shall employ a specialty subcontractor to perform the tapping and line stopping work. The specialty subcontractor shall have demonstrated experience with tapping and line stopping work on pipelines of similar materials and size to the pipelines on this project. Submit evidence that specialty subcontractor has completed a minimum of five taps and line stops on pipelines of similar materials and size to this project within the past eight years. Evidence of specialty subcontractor's experience shall be submitted with shop drawing submittals.

END OF SECTION

PART 2 PRODUCTS

2.01 TAPPING AND LINE STOPPING EQUIPMENT

A. The tapping and line stopping shall be accomplished utilizing specialized machinery and methods and shall consist of tapping sleeves permanently attached to the pipeline, tapping machine, and line stopping machine. Tapping and line stopping equipment shall include all accessories required to successfully perform the work described herein.

B. The components of the tapping and line stopping system, shall be designed for a system working/operating pressure of up to 150 psi.

C. The tapping sleeve for ductile iron pipe shall be of shop fabricated steel construction consisting of three parts, the top and bottom saddle sections and the nozzle. The fitting shall be full encirclement type. The top and bottom saddle sections shall be shaped to accurately fit around the pipeline in such a manner that they will provide structural support for the existing pipe section after removal of the tapping coupon.

1. The top saddle section shall bear against the pipe wall and clamp around the pipe to provide structural reinforcement for the portion of the pipe to be removed. The thickness of the tapping sleeve components shall be based upon the design calculations for the operating pressure of the pipe system and the grade of the steel used for the sleeve. Material shall be ASTM A285 Grade C, ASTM A36, or equal. All weldments shall be braced and stress relieved. The top saddle section shall fit essentially half the circumference of the pipeline to provide support and structural integrity to the remaining portion of the existing pipeline.

2. The top saddle shall incorporate a gasket to be placed against the existing pipeline to seal between the saddle and the pipeline. Gaskets shall be molded from elastomer compounds that resist compression setting and are compatible with potable water in the 32 to 140 degrees Fahrenheit temperature range.

3. The bottom saddle section shall fit essentially half the circumference of the pipeline. The section shall be of continuous steel plate or individual bands shaped to accurately fit the pipe circumference.

4. The top and bottom saddle sections shall be joined to clamp against the pipe wall with a sufficient number and size of bolts for the specified operating pressure.

5. The nozzle section shall be as required for the line stop machine.

D. All temporary components for performing the tap and line stop, including the tapping machine, tapping valves, and line stops shall be designed for the specified operating pressure of the pipeline system. All equipment shall be NSF-61 approved for potable water use.

E. The line stops shall be folding heads suitable for water.

D. All temporary components for performing the tap and line stop, including the tapping machine, tapping valves, and line stops shall be designed for the specified operating pressure of the pipeline system. All equipment shall be NSF-61 approved for potable water use.

PART 3 EXECUTION

3.01 INSTALLATION OF TAPPING SLEEVES

A. The Owner shall be contacted and their permission granted prior to tapping a "live" line. The required procedures shall be followed exactly.

B. Installation may be made under pressure and flow maintained. The line stop shall be installed under a maximum flow velocity of 3 feet per second.

C. The entire operation shall be conducted by workers experienced in the installation of tapping sleeves and valves. The equipment shall be furnished by the Contractor.

D. Determine the location of the line to be tapped to confirm that the proposed location will be within existing City limits, satisfactory and that no interference will be encountered such as joints or fittings. Owner shall excavate test pits as required for this purpose. No tap or sleeve will be made closer than three feet from a pipe joint. The exact location of the tap is subject to approval by the Owner.

E. Adequate support shall be provided under the sleeve during the tapping operation. Thrust blocks or other permanent restraint acceptable to the Owner shall be provided behind all tapping sleeves. Proper tamping of supporting pipe bedding material around and under the sleeve is mandatory for buried installations. Tapping sleeves will be installed per manufacturer’s specifications and instructions.

3.02 INSTALLATION OF LINE STOPS

A. The work of line stopping shall be done with the pipelines filled and under pressure.

B. The Contractor and his Subcontractor shall be responsible for determining the maximum operating pressures acceptable for the existing pipelines. The Owner shall endeavor to provide the Contractor with information about the existing pipe and materials of construction.

C. The tapping operation shall proceed approximately as follows:

1. Perform an initial field inspection of the pipe to receive the tap under the supervision of the Owner to verify each location of line stop tap and determine its exact pipe dimensions (diameter and ovality) for shop fabrication of the tapping sleeve components. The pipe outside diameter is assumed to be 21.60”.

2. Following fabrication of the tapping sleeves, install the sleeves and bolt in place. Power wire brush and grind the exterior surface of the main to remove any debris, corrosion deposits or other surface.

3. Prepare the coupon to be removed from the pipe by the tapping operation such that the coupon will be retained by the tapping machine and removed from the line. None of the cut material shall remain in the pipeline.

4. Install the tapping nozzle in place. Install the tapping valve and pressure test the nozzle and tapping saddle to the operating pressure of the line using caution to not exceed the collapse pressure of the pipeline. The Owner shall witness the pressure test.

5. Install the tapping machine. The tapping machine cutting component (shell cutter and pilot drill) shall be designed to provide a clean cut of the pipe wall and to retain the cut coupon for removal. Upon approval from the Owner, perform the tap and withdraw the cutter.

6. The line stops shall be a full-size, pivotal head line stop with a plugging head sealing element. The plugging head shall have an expandable elastomer sealing element that is monolithically molded from a polyurethane compound suitable for wastewater effluent. The element shall be flat in a plane perpendicular to the flow in the pipeline when the line stop is in position. The plugging head shall have a sealing element to seal against the inside of the pipeline when in the full open position. The plugging head shall be advanced into and retracted from the main by means of a linear actuator. When retracted, the plugging head and carrier shall be housed in an adapter, bolted pressure tight between the tapping valve and the actuator.

7. Upon closure of the existing pipelines with the line stops, work shall proceed as expeditiously as possible. Upon completion of construction and acceptance of new piping and butterfly valve (installed by Owner), the line stops shall be removed.

END OF SECTION

RFQ QUOTE PAGE (1)
DPW-RFQ20-WESTELM

It is the Department of Public Works intention to purchase services as previously described in the Scope of Work. The Bidder proposes to furnish all labor and materials required for the project outlined in the Scope of Work in accordance with the accompanying bidding documents prepared by the Procurement Department and CDM Smith, for the contract price specified below, subject to additions and deductions according to the terms of the bidding documents.

The proposed Contract Price is:

GRAND TOTAL $_____ (written using numbers)

GRAND TOTAL _____ (written out in words)

PLEASE PROVIDE THREE (3) REFERENCES OF SIMILAR SIZE AND SCOPE PROJECTS, INCLUDING CONTACT INFORMATION:

1.

2.

3.

_____
NAME OF VENDOR/CONTRACTOR,

_____
ADDRESS (STREET, CITY, STATE, ZIP CODE)

_____
SIGNATURE OF PERSON AUTHORIZED TO SIGN DATE

_____
TYPE OR PRINT SIGNER'S NAME AND TITLE

_____
EMAIL ADDRESS PHONE

_____
THIS QUOTE REFLECTS ALL CHANGES/CLARIFICATIONS IN ADDENDUM(S)

Pursuant to M.G.L. Chapter 30, Section 39s, I hereby certify, under the pains and penalties of perjury, that I am able to furnish labor in harmony with all other elements of labor employed in the work and that all employees employed on the worksite, or in work subject to the bid, have successfully completed at least 10 hours of OSHA approved training.

This is a prevailing wage job. Certified payrolls documenting compliance with the prevailing wage for a labor on this job must be received in the Department of Public Works Office, 45 School Street, 3rd Floor, Brockton, MA prior to any invoices being paid.