



Fulton County, GA

Department of Purchasing & Contract Compliance

Cecil S. Moore, CPPO, CPPB, CPSM, C.P.M., A.P.P
Director

September 19, 2011

RE: 11ITB79910K-NH W042-ALPHARETTA WATER TRANSMISSION MAIN (GAP ON KIMBALL BRIDGE RD)

Dear Proposers:

Attached is one (1) copy of Addendum 4, hereby made a part of the above referenced ITB.

The deadline for questions is September 20, 2011 at 4:00 PM.

Please note that **the due date for the ITB referenced above has been changed to Monday, September 26, 2011 at 11:00 am.**

Except as provided herein, all terms and conditions in the ITB number **11ITB79910K-NH W042-ALPHARETTA WATER TRANSMISSION MAIN (GAP ON KIMBALL BRIDGE RD)** referenced above remain unchanged and in full force and effect.

Sincerely,

Nancy Harrison

Nancy Harrison, CPPB
Assistant Purchasing Agent

Winner 2000 - 2009 Achievement of Excellence in
Procurement Award • National Purchasing Institute



11ITB79910K-NH W042-Alpharetta Water Transmission Main (GAP on Kimball
Bridge Rd)
Addendum No. 4
Page Two

This Addendum forms a part of the contract documents and **modifies** the original ITB documents as noted above.

ACKNOWLEDGEMENT OF ADDENDUM NO. 4

The undersigned proposer acknowledges receipt of this addendum by returning one (1) copy of this form with the bid package to the Purchasing Department, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the ITB due date and time **Monday, September 26, 2011 at 11:00 A.M.**

This is to acknowledge receipt of Addendum No. 4, _____ day of _____, 2011.

Legal Name of Bidder

Signature of Authorized Representative

Title

Question 58. Could you see if there is a detail available that has water line blocking / thrust restraint details for 54" waterline? Addendum #3 has some details for thrust restraints that cover up to 36" pipe, but I do not see anything for 54".

Answer: There isn't a specific restraint detail for 54-inch pipe in these documents as restraint for the 54-inch water main will be achieved via the use of 54-inch restraint joint pipes, 54-inch plug, dead-man and any other ancillaries as outlined in the bid documents.

The entire length of 54-inch pipeline in this project is restraint joint pipe with the adjacent pipe joints tied together to increase the frictional drag and resist the fitting thrust. See specifications attached.

tiers and chocks, affixed to each other in order to prevent movement. The timbers shall be large enough to prevent contact between the pipe in adjacent tiers.

D. Stored mechanical and push-on joint gaskets shall be placed in a cool location out of direct sunlight. Gaskets shall not come in contact with petroleum products. Gaskets shall be used on a first-in, first-out basis.

E. Mechanical-joint bolts shall be handled and stored in such a manner that will ensure proper use with respect to types and sizes.

1.06 Quality Assurance

The manufacturer shall provide written certification to the Engineer that all products furnished comply with all applicable requirements of these Specifications.

Part 2 Products

2.01 Piping Materials and Accessories

- A. All water pipe shall be ductile iron pipe.
- B. Ductile Iron Pipe (DIP) and Appurtenances

Use ductile iron pipe that meets the requirements of ANSI/AWWA C151/A21.50 for the class and joint specified. Unless otherwise specified, ductile iron pipe shall be Pressure Class 250 and have nominal laying length of 20 feet.

1. Fittings

Use fittings that meet the requirements of ANSI/AWWA A21.10 or A21.53, a minimum rated working pressure of 250 psi and joint specified. Ends shall be flanged, restrained mechanical joint for pipes and fittings less than 24-inch diameter or restrained push-on to suit the conditions specified. Fittings shall be manufactured in the U.S. Fittings for pipe larger than 24-inches shall have restrained joints as specified below.

2. Rubber Gasket Joints

Use standard styrene butadiene rubber (SBR) gasket joints that meet the requirements of ANSI/AWWA A21.11 for push on mechanical joints.

3. Unrestrained Joints

Unrestrained joints, where specified, shall be the rubber ring compression, push-on type joint suitable for buried service. Unrestrained joints shall be the Fastite Joint as manufactured by U.S. Pipe, or equal. This joint is not permitted on fittings or specials, unless otherwise specified. Unless otherwise specified, joints shall have an allowable deflections up to one-half the manufacturer's allowable deflection. Joint assembly and field cut joints shall be made in strict conformance with AWWA C600 and manufacturer's allowable deflection. Joint assembly

and field cut joints shall be made in strict conformance with AWWA C600 and manufacturer's recommendations.

Where specified, mechanical joints for above or below ground service shall meet the requirements of ANSI/AWWA A21.10/C110 and ANSI/AWWA A21.11/C111. Gaskets and bolts and nuts shall comply with paragraphs 02665-2.01 B2 and 8 respectively.

4. Restrained Joints

Restrained joints shall be provided as shown on the Drawings and where required for thrust restraint. Unless otherwise specified, restrained joints shall be flanged for exposed service and restrained push-on for buried services.

Restrained push-on joints shall be the Flex-Ring (up to 36-inch) or Lok-Ring Joint (42-inch to 64-inch) as manufactured by American Cast iron Pipe Company, TR Flex Joint as manufactured by U.S. Pipe, or equal. Restrained joints shall be capable of being deflected after full assembly. Joint assembly shall be in strict conformance with AWWA C600 and manufacturer's recommendations. No field cuts of restrained pipe are permitted without prior approval of the Engineer.

5. Flanges

Use flanges that meet the requirements of ANSI/AWWA A21.11.

Unless otherwise specified, flanges shall be ductile iron and shall be threaded-on flanges conforming to ANSI/AWWA A21.15/C115 or cast-on flanges conforming to ANSI/AWWA A21.10/C110. Flanges shall be adequate for 250 psi working pressure. Bolt circle and bolt holes shall match those of ANSI B15.1, Class 125 flanges and ANSI B16.5, Class 150 flanges. Where specified, flanges shall be threaded-on or cast-on flanges conforming to ANSI B16.1, Class 250.

Flange assembly bolts shall be ANSI B18.2.1 standard square or hexagon head bolts with ANSI B18.2.2 standard hexagon nuts. Threads shall be ANSI B1.1, standard coarse thread series; bolts shall be Class 2A, nuts shall be Class 2B. Bolt length shall conform to ANSI B16.5.

Unless otherwise specified, bolts shall be carbon steel machined bolts with hot pressed hexagon nuts. Where washers are required, they shall be of the same material as the associated bolts.

Gaskets for plain faced flanges shall be the full face type. Thickness shall be 1/16-inch for pipe 10-inches and less in diameter and 1/8-inch for pipe 12-inches and larger in diameter. Unless otherwise specified, gaskets for raised face flanges shall match the raised face and shall be 1/16-inch thick for pipe 3-1/2-inches and less in diameter and 1/8-inch thick for pipe 4-inches and larger.