

46477

TO: Board of Acquisition and Contract

FROM: Jay T. Pisco, PE
Commissioner of Public Works and Transportation

DATE: April 28, 2015

SUBJECT: Second Amendment to Agreement No. 13-916
In the matter of Engineering Services in connection with an
Alternate Water Supply for the Northern Section of the Kensico-Bronx Pipeline,
Westchester County Water District No. 1, Cities of White Plains, Mount Vernon, and Yonkers,
and Village of Scarsdale, New York

Consultant: GHD Consulting Services Inc.

Amendment Amount: \$718,732.32

Subconsultant Approval:

*Fisher Associates, PE, LS, LA, DPC (WBE)
Maser Consulting PA*

Pursuant to a Resolution approved on July 25, 2013, the County of Westchester ("County") entered into Agreement Number 13-916 with GHD Consulting Engineers, LLC ("Consultant"), One Remington Park Drive, Cazenovia, New York 13035, commencing on August 1, 2013, wherein the Consultant was to provide engineering services associated with an Alternate Water Supply for the Northern Section of the Kensico-Bronx Pipeline, Westchester County Water District No. 1, Cities of White Plains, Mount Vernon, and Yonkers, and Village of Scarsdale, New York. The Agreement was thereafter amended by Resolution approved February 20, 2014, consenting to the assignment of Agreement Number 13-916 with GHD Consulting Engineers, LLC to GHD Consulting Services Inc.

After design commenced, it was determined that neither a backfeed from Shaft 22 nor the installation of one Ultraviolet ("UV") Treatment Facility would be adequate to meet United States Environmental Protection Agency's Long Term 2 Enhanced Surface Water Treatment Rule ("EPA's LT2 Rule") and that two new UV Treatment Facilities were needed which require siting evaluations and negotiations, below ground substructures, structural slabs and above grade buildings, and associated underground piping connections to the Kensico-Bronx Pipeline and City of White Plains transmission main at two different sites. The additional work also includes emergency power systems at each site, new electrical service at each site, interconnections with County and City of White Plains SCADA at each site, traffic control plans at each site, and coordination with the City of White Plains associated with removal of existing fluoride system tanks and infrastructure at the Central Avenue site.

Authority of your Honorable Board is therefore requested to amend the existing Agreement to provide for additional design services for an Alternate Water Supply for the Northern Section of the Kensico-Bronx Pipeline, Westchester County Water District No. 1, Cities of White Plains, Mount Vernon, and Yonkers, and Village of Scarsdale, New York. The Consultant shall provide additional design and design services during construction associated with this project that address tasks which are outside of the scope of work included in the existing Agreement. Additional design services shall include the preparation of construction contract documents (drawings and specifications) and construction cost estimates. The additional design services during construction shall consist of shop drawing and submittal reviews, attendance at project meetings, periodic site visits and preparation of as-built drawings.

The Department of Public Works and Transportation will track scheduling and accomplishments by the consultant and perform on-site inspections to ensure the successful completion of this project.

The objective of this project is to provide Westchester County Water District No. 1 ("WCWD #1") with an alternate supply of UV treated water, from Shaft 22 of the Delaware Aqueduct to the Northern Section of the Kensico-Bronx Pipeline, that will achieve compliance with the EPA's LT2 Rule. The Kensico-Bronx Pipeline is a 48-inch cast iron pipe that conveys water from the Kensico Reservoir in Valhalla to the Westchester/Bronx border line. WCWD #1 owns and operates the Kensico-Bronx Pipeline to supply water to White Plains, Scarsdale, Yonkers, and Mount Vernon. The Kensico-Bronx Pipeline is connected to its primary supply at two points: (1) to the Kensico Reservoir at the north end; and (2) to Shaft 22 of the Delaware Aqueduct near the midpoint of the pipeline in Northeast Yonkers. Areas served by connections north of Shaft 22, which includes White Plains, Scarsdale, and the northern part of Yonkers, are normally supplied from the Kensico Reservoir. Areas served by connections south of Shaft 22, which includes Mount Vernon and the southern part of Yonkers, are normally supplied from Shaft 22 which transmits water from the New York City Department of Environmental Protection ("NYCDEP") Catskill-Delaware UV Disinfection Facility which is in compliance with the EPA's LT2 Rule. The work required under this project will implement recommendations from a recently completed study that assessed the hydraulic and chemical feed systems at Shaft 22 and the major interconnections to the Kensico-Bronx Pipeline in order to determine the feasibility and best option to backfeed the northern portion of WCWD #1 from Shaft 22. Failure to undertake this project may result in a violation of the EPA's Safe Drinking Water Act potentially resulting in significant financial penalties. This agreement will benefit the public as it will ensure that the County's operations are safe and environmentally compliant, thereby enhancing the health and general welfare of County residents.

The engineering discipline encompassed in this Amendment is not new, but rather, it is an integral part of the project that involves the same degree of skill, experience and complexity as the expertise generally described in the original project. Accordingly, this type of engineering discipline was originally contemplated in the Professional Prequalification Board and Professional Selection Board process.

The fee for the above services is for an amount of \$718,732.32 pursuant to an approved budget, bringing the total Agreement plus Amendments to \$1,450,549.00. The completion date of the Agreement shall be extended to December 31, 2018.

In addition, GHD Consulting Services Inc., has requested the utilization of the following subconsultants: Fisher Associates, PE, LS, LA, DPC (Surveying Services), 135 Calkins Road, Rochester, New York 14623; and Maser Consulting PA (Traffic Engineering Design Services), 11 Bradhurst Avenue, Hawthorne, New York 10532.

Proposed form of Resolution to accomplish the foregoing is attached hereto.

JTP/LR/AS

RESOLUTION

Upon communication from the Commissioner of Public Works and Transportation, be it hereby

RESOLVED, that the existing Agreement between the County of Westchester and GHD Consulting Services Inc., One Remington Park Drive, Cazenovia, New York 13035, be amended to provide for additional engineering services for an Alternate Water Supply for the Northern Section of the Kensico-Bronx Pipeline, Westchester County Water District No. 1, Cities of White Plains, Mount Vernon, and Yonkers, and Village of Scarsdale, New York. The Consultant shall provide additional design and design services during construction associated with this project that address tasks which are outside of the scope of work included in the existing Agreement. Additional design services shall include the preparation of construction contract documents (drawings and specifications) and construction cost estimates. The additional design services during construction shall consist of shop drawing and submittal reviews, attendance at project meetings, periodic site visits and preparation of as-built drawings; and be it further

RESOLVED, that for the additional services rendered in accordance with the Consultant's proposal, GHD Consulting Services Inc., shall be paid a fee of \$718,732.32 pursuant to an approved budget, increasing the total maximum fee to \$1,450,549.00; and be it further

RESOLVED, that the use of the following subconsultants also be approved: Fisher Associates, PE, LS, LA, DPC (Surveying Services), 135 Calkins Road, Rochester, New York 14623; and Maser Consulting PA (Traffic Engineering Design Services), 10 Bradhurst Avenue, Hawthorne, New York 10532; and be it further

RESOLVED, that the completion date of the Agreement shall be extended to December 31, 2018; and be it further

RESOLVED, that all other provisions of the existing Agreement shall remain in full force and effect; and be it further

RESOLVED that the County Executive or his duly authorized designee is hereby authorized and empowered to execute any and all documents necessary or appropriate to effectuate the purposes hereof.

Original Agreement	\$	731,816.68	(Design & Const. Admin. Services)
First Amendment		0.00	(Assignment)
This Amendment		718,732.32	(Additional Design Services)
TOTAL	\$	1,450,549.00	

Agreement No. 13-916

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
	324	60	WD10301E	6120-03	BA#187-2014	\$ 718,732.32

Budget Funding Year(s): 2015 Start Date: 08/01/13 End Date: 12/31/18
(must match resolution)

Funding Source: Tax Dollars: 100% District Contractor Federal I.D. No./
State Aid: _____ Social Security No.: _____
\$ 718,732.32 Federal Aid: _____ Vendor No.: _____
(must match resolution) Other: _____ Encumbrance No.: _____