

57779

TO: Board of Acquisition and Contract
FROM: Vincent F. Kopicki, PE
Commissioner of Public Works and Transportation
DATE: June 27, 2017
SUBJECT: Fourth Amendment (of a Multi-Phased Agreement) to Agreement No. 09-937
In the matter of Engineering Services in connection with the
HVAC Equipment Upgrades and Odor Control Improvements,
Yonkers Joint Wastewater Treatment Plant, Yonkers, New York

Consultant: Camp Dresser McKee & Smith
Amendment Amount: \$167,860.00

Subconsultant Approval: Detect Tank Services, LLC

Pursuant to a Resolution approved on October 22, 2009, the County of Westchester (“County”) entered into Agreement Number 09-937 with Camp Dresser & McKee (“Consultant”), 60 Crossways Park West, Suite 340, Woodbury, New York 11797, commencing on November 1, 2009, wherein the Consultant was to provide design services and construction administration services associated with the HVAC Equipment Upgrades and Odor Control Improvements at the Yonkers Joint Wastewater Treatment Plant in Yonkers, New York (the “project”). The Agreement was thereafter amended by Resolution approved May 24, 2012, for additional design services and construction administration services associated with the project. The Agreement was thereafter further amended by Resolution approved April 24, 2014, to change the name of the Consultant to Camp Dresser McKee & Smith and for additional design services and construction administration services associated with the project. The Agreement was thereafter further amended by Resolution approved September 15, 2016, for additional design services and construction administration services associated with the project.

The Yonkers Joint Wastewater Treatment Plant has a permitted flow of 120 million gallons per day on a 12-month rolling average basis. The plant has bar screens, aerated grit tanks, primary settling tanks, aeration tanks, final settling tanks, chlorine contact tanks, gravity thickeners, dissolved air floatation and gravity belt thickeners, primary and secondary digesters with centrifuge dewatering operations. Several improvements have been made at the plant over the years to address odors at the facility including the installation of odor scrubber units, modifying ventilation systems, and covering the primary and grit tanks. The odor scrubber units were installed at varying times, with the oldest units (Primary Thickening Scrubbers) going into service in the mid-1990s.

Odors and their impact on residents located near the plant are an utmost concern to the Westchester County Department of Environmental Facilities (“DEF”). Although DEF has made numerous strides in addressing odors throughout the plant, there remain some areas of concern relative to the generation of odors. Additionally, with some of the odor control equipment nearing twenty years in service, ensuring this equipment is running optimally is critical to mitigating odors. As such, a review of the existing odor control systems, modeling its current performance, and developing recommendations for additional improvements will allow DEF to continue to be proactive in addressing odors.

It is therefore requested that the existing Agreement be further amended to provide for engineering services in connection with the project. The Consultant shall provide study services associated with this project. For study services, the Consultant shall review existing odor control systems, inspect scrubber units and ducting, review existing reports and studies, perform odor sampling and modeling updates, review maintenance procedures for grit tanks and primary settling tanks, investigate aeration tank covers, and prepare technical memorandums with recommendations and cost estimates. The study services shall include but not be limited to the following items: odors associated with taking process tanks out of service, performance of existing odor control equipment, aeration tank odor control, and flare operation.

The objective of this project is to upgrade the HVAC equipment and to provide odor control improvements at the Yonkers Joint Wastewater Treatment Plant. This work is necessary to: (1) provide a fully functional, reliable, and energy efficient HVAC system throughout the plant; and (2) serve to control the emission of odors, thereby protecting the health and environment of the surrounding community. This project will implement the most cost-effective and environmentally compliant technologies available. This agreement will benefit the public as it effectuates the long-term remediation of these critical sewer system components avoiding potential adverse environmental impact to the surrounding properties, thereby promoting public health policies and laws.

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 \$167,860.00 pursuant to an approved budget, bringing the total Agreement plus Amendments to \$2,887,413.19. The completion date of the Agreement shall remain December 31, 2021.

In addition, Camp Dresser McKee & Smith has requested the utilization of the following subconsultant: Detect Tank Services, LLC (Inspection of Scrubber Units and Ducting), 201 S. Blakely Street, Suite 344, Dunmore, Pennsylvania 18512.

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.

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

VFK/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 (“County”) and Camp Dresser McKee & Smith (“Consultant”), 60 Crossways Park West, Suite 340, Woodbury, New York 11797, be amended to provide for engineering services in connection with the HVAC Equipment Upgrades and Odor Control Improvements at the Yonkers Joint Wastewater Treatment Plant in Yonkers, New York (the “project”). The Consultant shall provide study services associated with this project. For study services, the Consultant shall review existing odor control systems, inspect scrubber units and ducting, review existing reports and studies, perform odor sampling and modeling updates, review maintenance procedures for grit tanks and primary settling tanks, investigate aeration tank covers, and prepare technical memorandums with recommendations and cost estimates. The study services shall include but not be limited to the following items: odors associated with taking process tanks out of service, performance of existing odor control equipment, aeration tank odor control, and flare operation; and be it further

RESOLVED, that for the additional services rendered in accordance with the Consultant’s proposal for the current phase of this multi-phase project, Camp Dresser McKee & Smith, shall be paid a fee of \$167,860.00 pursuant to an approved budget, increasing the total maximum fee to \$2,887,413.19; and be it further

RESOLVED, that the use of the following subconsultant also be approved: Detect Tank Services, LLC (Inspection of Scrubber Units and Ducting), 201 S. Blakely Street, Suite 344, Dunmore, Pennsylvania 18512; 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	\$ 2,217,750.00	(Design & Constr. Admin. – YJWWTP HVAC / Odor Control Improvements)
First Amendment	97,345.00	(Additional Design & Constr. Admin. – YJWWTP HVAC / Odor Control Improvements)
Second Amendment	180,700.00	(Additional Design – YJWWTP HVAC / Odor Control Improvements)
Third Amendment	223,758.19	(Additional Design & Constr. Admin. – YJWWTP HVAC / Odor Control Improvements)
This Amendment	<u>167,860.00</u>	(Study – YJWWTP HVAC / Odor Control Improvements)
TOTAL	\$ 2,887,413.19	

Agreement No. 09-937

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
	322	60	SY00900E	6120-03	BA #189-2008	\$ 167,860.00

Budget Funding Year(s): 2017 Start Date: 11/01/09 End Date: 12/31/21
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./ Social Security No.: _____
 State Aid: _____
\$167,860.00 Federal Aid: _____ Vendor No.: _____
 (must match resolution) Other: _____ Encumbrance No.: _____