

64038

TO: Board of Acquisition and Contract
FROM: Hugh J. Greechan, Jr., P.E.
Commissioner of Public Works and Transportation
DATE: July 3, 2018
SUBJECT: First Amendment (of a Multi-Phased Agreement) to Agreement No. 13-908 in the matter of:

- (1) Engineering Services in connection with Aeration and Heating System Upgrades, Peekskill Wastewater Treatment Plant, Peekskill, New York
- (2) Engineering Services in connection with Flow Monitoring Program, Peekskill Sanitary Sewer District, City of Peekskill and Towns of Cortlandt, Yorktown, and Somers, New York

Consultant: Savin Engineers, P.C. (MBE)
Amendment Amount: \$2,028,150.00

Subconsultant Approval: Nasco Construction Services Inc. (WBE)
Warren & Panzer, Engineers, P.C.

Authority of your Honorable Board is requested to amend existing Agreement Number 13-908 ("Agreement") between the County of Westchester ("County") and Savin Engineers, P.C. ("Consultant"), 3 Campus Drive, Pleasantville, New York 10570. The original Agreement dated May 9, 2013, was for design and construction administration services associated with the Digester Rehabilitation, Peekskill Wastewater Treatment Plant, Peekskill, New York.

This is a multiple phase project. The Phase I Digester Rehabilitation is currently in construction and the engineering services included in the original Agreement have been in progress. The County has been satisfied with the quality of services provided to date by the Consultant. Now that Phase I is in construction, the design of Phase II Aeration and Heating System Upgrades can commence.

It is therefore requested that the existing Agreement be amended to provide for engineering services in connection with Aeration and Heating System Upgrades, Peekskill Wastewater Treatment Plant, Peekskill, New York. The Consultant shall provide design services associated with this project. Design services shall include the preparation of construction contract documents (drawings and specifications), construction cost estimates, any required addenda, and a bid analysis including an evaluation of the bids to determine compliance with bidding requirements and whether the bidders are responsible so that the County may recommend award of the construction contracts. In addition, the Consultant shall provide design services during construction consisting of shop drawing and submittal review, attendance at project meetings, periodic site visits and preparation of as-built drawings. The County also reserves the right to further amend this Agreement with the Consultant at a future date to provide for construction phase services including, but not limited to, construction administration services and project close-out services.

The objective of this project is to provide upgrades to the aeration and heating system at the Peekskill Wastewater Treatment Plant. The majority of equipment to be replaced in this project is almost 40 years old and has reached the end of its useful life. Work will include the replacement of buried aeration piping, existing slide gates and stop logs for the aeration tanks, replacement of the three (3) heating boilers, existing heat exchangers, the Administration Building multi-zone air handler and all related ancillary components and controls of these systems. Also included will be the replacement of the above-ground fuel oil storage tanks and a study and evaluation of the existing HVAC system at the Peekskill Wastewater Treatment Plant. This work is necessary to insure that the facility operates reliably and efficiently. This agreement will benefit the public as it will ensure that the plant's operations are safe and environmentally compliant, thereby enhancing the health and general welfare of the residents of Westchester County.

It has been established by the County that the presence of excessive infiltration and inflow (I/I) in a sewer system adds an additional burden and expense to the entire collection and treatment process. Issues related to excessive I/I include sanitary sewer overflows and basement back-ups; excessive run time and overflows at pumping stations; additional run time and wear on treatment plant pumping systems; reduced efficiency at the processes at the wastewater treatment plant including digestion and additional cost for chemicals and plant maintenance. Wide fluctuations in flow due to excessive I/I to the wastewater treatment plant results in adverse performance on the mainstream treatment system that can have significant effects on the digesters, aeration, and heating system. These wide swings could result in significant costs and potential permit compliance issues. A flow monitoring program is warranted at this time.

It is therefore requested that the existing Agreement be amended to provide for engineering services in connection with Flow Monitoring Program, Peekskill Sanitary Sewer District, City of Peekskill and Towns of Cortlandt, Yorktown, and Somers, New York. The Consultant shall provide engineering services that include planning the flow meter locations, purchasing all required equipment, installing all required equipment, field servicing all required equipment, engineering evaluation of all obtained data, preparation of a Flow Monitoring Report and a Flow Reduction Strategy Report.

The objective of this project will be to identify those municipalities within the Peekskill sewer district that are responsible for excessive I/I and to what extent. The County can then proceed to regulate the flows from each municipality through its existing Sewer Ordinance or other voluntary agreements. This program will ensure compliance with New York State Department of Environmental Conservation ("NYSDEC") regulations. This agreement will benefit the public as it will insure that the Peekskill sewer district's operations are safe and environmentally compliant, thereby enhancing the health and general welfare of the residents of Westchester County.

The original intent of this Agreement was to have the project performed in multiple phases as subsequent funding became available. The initial phase defined the scope of work and required budget for the subsequent phases of the project for which funding has been approved.

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.

Board of Acquisition and Contract
Agreement No. 13-908, First Amendment
Aeration and Heating System Upgrades, Peekskill Wastewater Treatment Plant
Flow Monitoring Program, Peekskill Sanitary Sewer District
Savin Engineers, P.C.
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The fee for the above services is for an amount of \$2,028,150.00 pursuant to an approved budget, bringing the total Agreement plus Amendment to \$2,783,150.00. The completion date of the Agreement shall be extended to December 31, 2023.

In addition, Savin Engineers, P.C. has requested the utilization of the following subconsultants: Nasco Construction Services Inc. (Construction Cost Estimating Services), 200 Business Park Drive, Armonk, New York 10504; and Warren & Panzer, Engineers, P.C. (Hazardous Material Investigations), 228 East 45th Street, 2nd Floor, New York, New York 10017.

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.

HJG/LR/AS

RESOLUTION

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

RESOLVED, that the existing Agreement No. 13-908 (“Agreement”) between the County of Westchester (“County”) and Savin Engineers, P.C. (“Consultant”), 3 Campus Drive, Pleasantville, New York 10570, be amended to provide for engineering services in connection with Aeration and Heating System Upgrades, Peekskill Wastewater Treatment Plant, Peekskill, New York. The Consultant shall provide design services associated with this project. Design services shall include the preparation of construction contract documents (drawings and specifications), construction cost estimates, any required addenda, and a bid analysis including an evaluation of the bids to determine compliance with bidding requirements and whether the bidders are responsible so that the County may recommend award of the construction contracts. In addition, the Consultant shall provide design services during construction consisting of shop drawing and submittal review, attendance at project meetings, periodic site visits and preparation of as-built drawings. The County also reserves the right to further amend this Agreement with the Consultant at a future date to provide for construction phase services including, but not limited to, construction administration services and project close-out services; and be it further

RESOLVED, that the Agreement between the County and the Consultant be amended to provide for engineering services in connection with Flow Monitoring Program, Peekskill Sanitary Sewer District, City of Peekskill and Towns of Cortlandt, Yorktown, and Somers, New York. The Consultant shall provide engineering services that include planning the flow meter locations, purchasing all required equipment, installing all required equipment, field servicing all required equipment, engineering evaluation of all obtained data, preparation of a Flow Monitoring Report and a Flow Reduction Strategy Report; and be it further

RESOLVED, that for the additional services rendered in accordance with the Consultant’s proposal, Savin Engineers, P.C., shall be paid a fee of \$2,028,150.00 pursuant to an approved budget, increasing the total maximum fee to \$2,783,150.00; and be it further

RESOLVED, that the use of the following subconsultants also be approved: Nasco Construction Services Inc. (Construction Cost Estimating Services), 200 Business Park Drive, Armonk, New York 10504; and Warren & Panzer, Engineers, P.C. (Hazardous Material Investigations), 228 East 45th Street, 2nd Floor, New York, New York 10017; and be it further

RESOLVED, that the completion date of the Agreement shall be extended to December 31, 2023; and be it further

RESOLUTION

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	\$	755,000.00	(Design and Construction Administration Services – Peekskill WWTP Digester Rehab.)
This Amendment		<u>2,028,150.00</u>	(Design Services – Peekskill WWTP Aeration/Heating & Peekskill SD Flow Monitoring)
TOTAL		\$ 2,783,150.00	

Agreement No. 13-908

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
	322	60	SPK14-01-E	6120-03	BA #107-2015	\$ 938,150.00
	322	60	SW070-05-S	6120-03	BA #111-2015	\$ 1,090,000.00

Budget Funding Year(s): 2018 Start Date: 08/01/18 End Date: 12/31/23
 (must match resolution)

Funding Source:	Tax Dollars: <u>100% County</u>	Contractor Federal I.D. No./
	State Aid: _____	Social Security No.: _____
	Federal Aid: <u>\$2,028,150.00</u>	Vendor No.: _____
	(must match resolution) Other: _____	Encumbrance No.: _____