

**37035**

**TO:** Board of Acquisition and Contract

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

**DATE:** November 19, 2013

**SUBJECT:** Authority to Enter into Agreement #13-927  
In the matter of Engineering Services in connection with  
Primary Sludge Pumping System Improvements, Mamaroneck Wastewater Treatment Plant,  
Mamaroneck, New York

**Consultant:** **Dvirka and Bartilucci Consulting Engineers,  
a Division of D&B Engineers and Architects, PC**

**Agreement Amount:** **\$98,000.00**

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Authority of your Honorable Board is requested to enter into an Agreement in connection with engineering services for Primary Sludge Pumping System Improvements, Mamaroneck Wastewater Treatment Plant, Mamaroneck, 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 objective of this project is to upgrade the primary sludge pumping system at the Mamaroneck Wastewater Treatment Plant. Due to the new Biological Nutrient Removal ("BNR") process at the Mamaroneck Wastewater Treatment Plant, an increase in solids loading is anticipated. A study was recently completed for the Westchester County Department of Environmental Facilities ("WCDEF") which evaluated the use of a submersible chopper pump to remove sludge from the primary tanks. The results of the study indicate that the sludge can be thickened, thereby reducing the volume of sludge pumped. This will allow the utilization of only one of the two twin sludge force main pipelines for future transfer of sludge to the New Rochelle Wastewater Treatment Plant. Utilizing only one of the twin sludge force mains consistently and reliably would allow the other force main to be out of service for extended periods of time when repairs are required. Therefore, based on the results of the pilot study, a permanent primary sludge pumping system is required. This work is necessary to provide improved sanitary facilities that are in compliance with all applicable regulations. This project will implement the most cost-effective and environmentally compliant technologies available. This agreement will benefit the public as it enables WCDEF to conduct its basic mission of providing wastewater treatment and maintaining water quality, thereby promoting public health policies and laws.

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.

Board of Acquisition and Contract  
Agreement No. 13-927  
Primary Sludge Pumping System Improvements  
Mamaroneck Wastewater Treatment Plant  
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On May 18, 2012, the Professional Prequalification Board was canvassed for the purpose of generating an eligible list of qualified firms to provide miscellaneous professional services for an estimated fee not-to-exceed \$100,000. The Professional Prequalification Board approved a list of twenty-two (22) qualified firms. The list was reviewed by the Professional Selection Board on August 29, 2013, whereby three firms were selected to possibly perform said services.

By Resolution approved October 31, 2013, your Honorable Board authorized the County to negotiate with the firm of Dvirka and Bartilucci Consulting Engineers, a Division of D&B Engineers and Architects, PC, 330 Crossways Park Drive, Woodbury, New York 11797, and a proposal was submitted for engineering services for Primary Sludge Pumping System Improvements, Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York, for a total fee of \$98,000.00, pursuant to an approved budget.

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

# RESOLUTION

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

RESOLVED, that approval is hereby granted to enter into an Agreement with the firm of Dvirka and Bartilucci Consulting Engineers, a Division of D&B Engineers and Architects, PC, 330 Crossways Park Drive, Woodbury, New York 11797, for engineering services for Primary Sludge Pumping System Improvements, Mamaroneck Wastewater Treatment Plant, Mamaroneck, 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; and be it further

RESOLVED, that for services rendered in accordance with the consultant's proposal, a total compensation of \$98,000.00 shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the Agreement shall commence upon the consultant's receipt of written notice from the Commissioner of Public Works and Transportation or his designee and that the completion date shall be December 31, 2017; 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.

JTP/LR/AS

Agreement No. 13-927

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Trust Account	Dollars
	322	60	SLI0100E	6120-03		\$ 98,000.00

Budget Funding Year(s): 2013 Start Date: 12/22/13 End Date: 12/31/17  
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./  
 State Aid: \_\_\_\_\_ Social Security No.: \_\_\_\_\_  
\$98,000.00 Federal Aid: \_\_\_\_\_ Vendor No.: \_\_\_\_\_  
 (must match resolution) Other: \_\_\_\_\_ Encumbrance No.: \_\_\_\_\_