

18988

**TO:** Board of Acquisition and Contract

**FROM:** John J. Hsu, PE  
Commissioner of Public Works and Transportation

**DATE:** May 13, 2011

**SUBJECT:** Authority to Enter into Agreement #11-907 (a Multi-Phased Agreement)  
In the matter of Engineering Services in connection with the  
Primary, Secondary, Heating and Chemical Handling Upgrades,  
Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York

**Consultant:** **Dvirka and Bartilucci Consulting Engineers,  
A Division of William F. Cosulich Associates, PC**

**Agreement Amount:** **\$557,624.00**

*Subconsultant Approval:* *LynStaar Engineering, PC (WBE)*  
*Haider Engineering, PC (MBE)*  
*Aparri Engineering, LLC (MBE)*  
*Aaron Associates*  
*A. Esteban & Company, Inc. (MBE)*  
*Digital Media Multi Service (MBE)*  
*YEC, Inc. (MBE)*

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Authority of your Honorable Board is requested to enter into an Agreement in connection with the Primary, Secondary, Heating and Chemical Handling Upgrades, 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 replace and upgrade process equipment associated with the primary, secondary, heating and chemical handling areas at the Mamaroneck Wastewater Treatment Plant. Work will include upgrading of primary and final effluent pumps, valves, piping, instrumentation and control panels, as well as replacement of chemical tanks and plant heating boilers along with all associated piping, valves and controls. The referenced primary system process equipment dates back to 1962 and the plant was upgraded to secondary treatment in 1982. Therefore, both the primary and secondary process equipment have reached the end of their useful lives and require replacement to ensure process reliability and environmentally compliant operation of the treatment plant. Neglecting to upgrade these critical elements of the plant may result in a failure, including the occurrence of a sewage overflow emergency that could allow sewage into the surrounding properties and cause violations of the plant's State Pollutant Discharge Elimination System (SPDES) Permit. It should be noted that energy efficiencies will be evaluated during the design phase using Leadership in Energy and Environmental Design ("LEED") recommendations and improvements, and those applicable to the required work will be incorporated to help reduce energy usage, maintenance and manpower costs. 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.

Board of Acquisition and Contract

Agreement No. 11-907

Primary, Secondary, Heating and Chemical Handling Upgrades,  
Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York

Dvirka and Bartilucci Consulting Engineers, A Division of William F. Cosulich Associates, PC

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The intent of this Agreement is to have the design and construction administration performed in multiple phases as subsequent funding becomes available. The initial design phase will define the scope of work and the required budget for the next phases of construction administration and construction for which funding shall be approved in the future.

Since the estimated fee for professional services was greater than \$100,000, in accordance with the Rules of the Professional Prequalification and Selection Boards, on August 6, 2009, a meeting of the Professional Prequalification Board was held to discuss the scope of work and request a list of qualified firms to provide the necessary services. The list was reviewed by the Professional Selection Board on November 23, 2009 whereby AECOM USA, Inc.; Dvirka and Bartilucci Consulting Engineers, A Division of William F. Cosulich Associates, PC; Hazen and Sawyer, PC; Malcolm Pirnie, Inc.; and Stearns & Wheler, LLC were selected to possibly perform said services. On October 22, 2010, a request for proposal (RFP) was sent to the qualified firms and subsequently proposals were received on February 3, 2011.

After reviewing the proposals, and based on the evaluation criteria set forth in the request for proposal, including technical merit and net cost, the Professional Selection Board at its meeting held April 19, 2011, selected Dvirka and Bartilucci Consulting Engineers, A Division of William F. Cosulich Associates, PC, 330 Crossways Park Drive, Woodbury, New York 11797, as the number one firm to perform engineering services in connection with the Primary, Secondary, Heating and Chemical Handling Upgrades, Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York, for a total fee of \$557,624.00, pursuant to an approved budget, which represents the best possible contract for the County.

In addition, Dvirka and Bartilucci Consulting Engineers, A Division of William F. Cosulich Associates, PC, has requested the utilization of the following subconsultants: LynStaar Engineering, PC (Electrical and Mechanical Engineering), 448-450 Manville Road, Pleasantville, New York 10570; Haider Engineering, PC (Cost Estimating), 755 Merrick Road, Baldwin, New York 11510; Aparri Engineering, LLC (Environmental Engineering), 166 Main Street, Hackensack, New Jersey 07601; Aaron Associates (SCADA Integration and Design), 478 West Main Street, Waterbury, Connecticut 06702; A. Esteban & Company, Inc. (Reproduction and Printing Services), 132 West 36<sup>th</sup> Street, 10<sup>th</sup> Floor, New York, New York 10018; Digital Media Multi Service (Word Processing), 934 Nostrand Avenue, Brooklyn, New York 11225; and YEC, Inc. (Hazardous Material Investigation), 612 Corporate Way, Valley Cottage, New York 10989.

The proposed has been reviewed and is judged to be responsive to the task at hand.

This matter has been reviewed by the Deputy County Executive and the Commissioner of the Department of Environmental Facilities, and they are in concurrence.

I recommend adoption of the attached proposed Resolution.

# RESOLUTION

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

RESOLVED, that approval is hereby granted to enter into an Agreement with the firm of Dvirka and Bartilucci Consulting Engineers, A Division of William F. Cosulich Associates, PC, 330 Crossways Park Drive, Woodbury, New York 11797, for engineering services associated with the Primary, Secondary, Heating and Chemical Handling Upgrades, 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 for the first phase of this multi-phase project, a total compensation of \$557,624.00, shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the use of the following subconsultants also be approved: LynStaar Engineering, PC (Electrical and Mechanical Engineering), 448-450 Manville Road, Pleasantville, New York 10570; Haider Engineering, PC (Cost Estimating), 755 Merrick Road, Baldwin, New York 11510; Aparri Engineering, LLC (Environmental Engineering), 166 Main Street, Hackensack, New Jersey 07601; Aaron Associates (SCADA Integration and Design), 478 West Main Street, Waterbury, Connecticut 06702; A. Esteban & Company, Inc. (Reproduction and Printing Services), 132 West 36<sup>th</sup> Street, 10<sup>th</sup> Floor, New York, New York 10018; Digital Media Multi Service (Word Processing), 934 Nostrand Avenue, Brooklyn, New York 11225; and YEC, Inc. (Hazardous Material Investigation), 612 Corporate Way, Valley Cottage, New York 10989; 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, 2015; 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.

JJH/LR/AS

Agreement No. 11-907

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Trust Account	Dollars
	322	60	SMO1600E	6120-03		\$ 557,624.00
					<b>Total:</b>	<b>\$ 557,624.00</b>

Budget Funding Year(s): 2011 Start Date: 06/15/2011 End Date: 12/31/2015  
(must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./  
State Aid: \_\_\_\_\_ Social Security No.: \_\_\_\_\_  
\$557,624.00 Federal Aid: \_\_\_\_\_ Vendor No.: \_\_\_\_\_  
(must match resolution) Other: \_\_\_\_\_ Encumbrance No.: \_\_\_\_\_

Board of Acquisition and Contract

Agreement No. 11-907

Primary, Secondary, Heating and Chemical Handling Upgrades,  
Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York

Dvirka and Bartilucci Consulting Engineers, A Division of William F. Cosulich Associates, PC

List of Respondents

Dvirka and Bartilucci Consulting Engineers, \$ 557,624.00  
A Division of William F. Cosulich Associates, PC  
330 Crossways Park Drive  
Woodbury, New York 11797  
(516) 364-9890

Hazen and Sawyer, PC \$ 1,861,256.00  
498 Seventh Avenue  
New York, New York 10018  
(212) 777-8400

Stearns & Wheeler, LLC \$ 807,124.00  
One Remington Park Drive  
Cazenovia, New York 13035  
(315) 655-8161

APPROVED BOARD OF ACQUISITION & CONTRACT - 05/19/2011 - JOMAR VIEIRA, SECRETARY