

17483

**TO:** Board of Acquisition and Contract

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

**DATE:** February 25, 2011

**SUBJECT:** Authority to Enter into Agreement #11-901 (a Multi-Phased Agreement)  
In the matter of Engineering Services in connection with the  
Rehabilitation of North Yonkers Pump Station Tower and Alexander Street Influent Structure,  
Yonkers, New York

**Consultant:** Hazen and Sawyer, PC

**Agreement Amount:** \$222,035.00

**Subconsultant Approval:** Savin Engineers, PC (*MBE*)

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Authority of your Honorable Board is requested to enter into an Agreement in the matter of engineering services in connection with the Rehabilitation of the North Yonkers Pump Station Tower and Alexander Street Influent Structure, Yonkers, New York. The consultant shall provide design services associated with this project. Design services shall include the preparation of construction contract documents (plans 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. The consultant shall also 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 rehabilitate the North Yonkers Pump Station Tower and the Alexander Street Influent Structure, which leads to the North Yonkers Pump Station. The North Yonkers Pump Station Tower is an original structure to the facility constructed in the 1930s. The tower is considered to be a landmark structure and is eligible for listing on the National Register of Historic Places. The tower has exhibited numerous signs of deterioration over the years, including cracking and spalling of both the brick and the concrete. Repairs have been made in the past; however, additional on-going deterioration of the tower has occurred since the repairs were made. A recent study recommended various items of rehabilitation including the following: (1) Removal of the remaining portion of the fire brick flue from the interior of the breeching; (2) Power wash the interior brick to remove loose material and install interior shotcrete liner; (3) Remove and replace all exterior bricks that are cracked or spalled; (4) Repoint all mortar joints; (5) Repair cracks and spalls on the concrete base and around the false windows; (6) Replace inlaid panels in the octagonal section; (7) Replace all inlaid pre-cast vertical inserts in the common brick base structure; (8) Repair the pre-cast concrete transition caps from the octagonal base to the round brick work; (9) Replace the interior ladder rungs and safety cage; (10) Rehabilitate the balcony railing; (11) Install a new vented cap on top of the tower; (12) Re-direct influent conduit vents away from the tower or seal them completely; and (13) Relocate the lightning protection system to the interior of the new shotcrete liner.

In addition, a recent study recommended that the channels located between the influent gate chamber structure and the pump station be cleaned to remove accumulated sediment, which will subsequently increase the available capacity of the channels. The study also recommended that a program of periodic inspections be undertaken to assess any changes in the condition of the conduits over time and to view the areas of the conduits that could not be inspected under the flow conditions experienced during the study. In addition, the study of the channels also included an assessment of the potential for electrification and replacement of the influent isolation gates at the

head of the channels. Currently, there is no means of operating these gates without external hoisting equipment and observations made during the study phase have determined that due to the age and condition of these gates, modifications are necessary. Thus, replacement of the gates, as well as the installation of electric operators will be required.

This project will implement the most cost-effective and environmentally compliant technologies available. This agreement will benefit the public as it will ensure the continued reliable operation of the pump station, thereby enhancing the health and environment of the residents of Westchester County.

The intent of this Agreement is to have the design and construction administration performed in multiple phases. The initial design phase will define the scope of work and the required budget for the next phases of construction administration and construction.

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 May 8, 2008, 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 March 24, 2009 whereby Hazen and Sawyer, PC; Camp Dresser & McKee; Malcolm Pirnie, Inc.; Savin Engineers, PC; and Stearns & Wheler, LLC were selected to possibly perform said services. On July 19, 2010, a request for proposal (RFP) was sent to the qualified firms and subsequently one (1) proposal was received on August 19, 2010.

The four (4) firms that declined to submit a proposal were contacted. Camp Dresser & McKee did not have the staff resources available at that particular time to prepare a responsive proposal. Malcolm Pirnie, Inc., would have to subcontract a large portion of the design work to a firm that would potentially bid on the resulting construction contract, thereby creating a conflict of interest. Savin Engineers, P.C., was unable to provide a proposal as the prime consultant at that particular time. Stearns & Wheler, LLC would have a difficult time providing the in-house staffing expertise required for the design of the tower repairs.

After reviewing the proposal, 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 January 27, 2011, selected Hazen and Sawyer, PC, 498 Seventh Avenue, New York, New York 10018, as the number one firm to perform engineering services in connection with the Rehabilitation of North Yonkers Pump Station Tower and Alexander Street Influent Structure, Yonkers, New York, for a total fee of \$222,035.00, pursuant to an approved budget, which represents the best possible contract for the County.

In addition, Hazen and Sawyer, PC, has requested the utilization of the following subconsultant: Savin Engineers, PC (Influent Conduit Inspection Services), 3 Campus Drive, Pleasantville, New York 10570.

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 Hazen and Sawyer, PC, 498 Seventh Avenue, New York, New York 10018, in the matter of Engineering Services in connection with the Rehabilitation of North Yonkers Pump Station Tower and Alexander Street Influent Structure, Yonkers, New York; 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 \$222,035.00, shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the use of the following subconsultant also be approved: Savin Engineers, PC (Influent Conduit Inspection Services), 3 Campus Drive, Pleasantville, New York 10570; 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, 2014; 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. 11-901

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Trust Account	Dollars
	322	60	SRS0700E	6120-03		\$ 222,035.00
					<b>Total:</b>	<b>\$ 222,035.00</b>

Budget Funding Year(s): 2011 Start Date: 03/31/2011 End Date: 12/31/2014  
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./ Social Security No.: \_\_\_\_\_  
 State Aid: \_\_\_\_\_  
\$222,035.00 Federal Aid: \_\_\_\_\_ Vendor No.: \_\_\_\_\_  
 (must match resolution) Other: \_\_\_\_\_ Encumbrance No.: \_\_\_\_\_

APPROVED BOARD OF ACQUISITION CONTRACT - 3-10-2011 - JOMAR WEIRA, SECRETARY

Board of Acquisition and Contract  
Agreement No. 11-901  
Rehabilitation of North Yonkers Pump Station Tower and Alexander Street Influent Structure,  
Yonkers, New York  
Hazen and Sawyer, PC

List of Respondents

Hazen and Sawyer, PC 498 Seventh Avenue New York, New York 10018 (212) 777-8400	\$ 222,035.00
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APPROVED BOARD OF ACQUISITION & CONTRACT - 3-10-2011 - JOMARY VIEIRA, SECRETARY