

34227

**TO:** Board of Acquisition and Contract

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

**DATE:** May 28, 2013

**SUBJECT:** Authority to Enter into Agreement #13-919  
In the matter of Engineering Services in connection with the  
Woodlands Lake Dam Rehabilitation, V. E. Macy Park, Irvington, New York

**Consultant:** GHD Consulting Engineers, LLC  
**Agreement Amount:** \$222,200.00  
*Subconsultant Approval:* McLaren Engineering Group

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Authority of your Honorable Board is requested to enter into an Agreement in connection with the Woodlands Lake Dam Rehabilitation, V. E. Macy Park, Irvington, 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 will be to rehabilitate the Woodlands Lake Dam. This work is necessary due to extensive deterioration of the structure which was originally built in 1840 for ice supply and was subsequently widened in 1930. The structure functions both as a dam and as a bridge. The dam is at the southern end of Woodlands Lake (part of the Saw Mill River) within V. E. Macy Park in Irvington and the water level is maintained by uncontrolled discharge over the spillway. There is an inoperable reservoir drain valve in the middle of the bridge. The bridge has three (3) spans with a total approximate length of 125 feet and an overall approximate width of 28 feet. The bridge is open to the public for walking and bicycling. Westchester County maintenance personnel drive light vehicles over the bridge periodically to access the adjacent South County Trailway. The rehabilitation work at hand includes, but is not limited to, repairs to the concrete deck, sidewalk, piers, and abutments; painting of the existing bridge railing; re-pointing of stone masonry; removal of vegetation growing on the structure; installation of bank protection downstream; and replacement of the reservoir drain valve. In addition, an evaluation of the dam will be performed, including its function, structural stability, spillway capacity, and hazard classification. This dam is presently classified by the New York State Department of Environmental Conservation (NYSDEC) as an intermediate-hazard Class B Dam, based on the potential impact upon human life and property in the event of a dam failure. Class B Dams are located in areas where their failure may cause isolated personal injury and/or property damage. This work is necessary to ensure that this dam owned and maintained by the County is in conformance with all NYSDEC regulations regarding dam safety. This project will implement the most cost-effective and environmentally compliant technologies available. This agreement will benefit the public as it will enhance the functionality of the structure ensuring its safe use by the public, thus addressing the County Executive's priority area of Safety and Security.

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 February 13, 2012, 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 April 10, 2012 whereby Camp Dresser McKee & Smith; CH2M Hill New York, Inc.; Chazen Companies; GHD Consulting Engineers, LLC; HDR Engineering, Inc.; and Paul C. Rizzo Engineering – New York, PLLC were selected to possibly perform said services. On September 18, 2012, a request for proposal (RFP) was sent to the qualified firms and subsequently proposals were received on October 25, 2012.

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 May 16, 2013, selected GHD Consulting Engineers, LLC, One Remington Park Drive, Cazenovia, New York 13035, as the number one firm to perform engineering services in connection with the Woodlands Lake Dam Rehabilitation, V. E. Macy Park, Irvington, New York, for a total fee of \$222,200.00, pursuant to an approved budget, which represents the best possible contract for the County.

In addition, GHD Consulting Engineers, LLC, has requested the utilization of the following subconsultant: McLaren Engineering Group (Structural Inspection Services), 100 Snake Hill Road, West Nyack, New York 10994.

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 Parks, Recreation and Conservation, 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 GHD Consulting Engineers, LLC, One Remington Park Drive, Cazenovia, New York 13035, for engineering services associated with the Woodlands Lake Dam Rehabilitation, V. E. Macy Park, Irvington, 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 \$222,200.00, shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the use of the following subconsultant also be approved: McLaren Engineering Group (Structural Inspection Services), 100 Snake Hill Road, West Nyack, New York 10994; 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, 2018; 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/RSD/AS

Agreement No. 13-919

Account to be Charged/Credited

Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Trust Account	Dollars
372	42	RG11100E	6120-03		\$ 222,200.00

Budget Funding Year(s): 2013 Start Date: 07/15/2013 End Date: 12/31/2018  
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./  
 State Aid: \_\_\_\_\_ Social Security No.: \_\_\_\_\_  
\$222,200.00 Federal Aid: \_\_\_\_\_ Vendor No.: \_\_\_\_\_  
 (must match resolution) Other: \_\_\_\_\_ Encumbrance No.: \_\_\_\_\_

Board of Acquisition and Contract  
Agreement No. 13-919  
Woodlands Lake Dam Rehabilitation,  
V. E. Macy Park, Irvington, New York  
GHD Consulting Engineers, LLC

List of Respondents

Camp Dresser McKee & Smith 60 Crossways Park Drive West, Suite 340 Woodbury, New York 11797 (516) 496-8400	\$ 233,350.00
GHD Consulting Engineers, LLC One Remington Park Drive Cazenovia, New York 13035 (315) 655-8161	\$ 222,200.00
Paul C. Rizzo Engineering – New York, PLLC 580 White Plains Road, Suite 425 Tarrytown, New York 10591 (914) 332-0037	\$ 222,481.00

APPROVED BOARD OF ACQUISITION & CONTRACT - 06/20/2013 - JOMAR VIEIRA, SECRETARY