

110549

**TO:** Board of Acquisition and Contract

**FROM:** Hugh J. Greechan, Jr., PE  
Commissioner of Public Works and Transportation

**DATE:** February 25, 2025

**SUBJECT:** Second Amendment to Agreement No. 21-909 in the matter of Engineering Services in connection with Furnace Brook Maiden Lane Dam Removal, Oscawana Island Nature Preserve, Town of Cortlandt, New York

**Consultant:** Princeton Hydro Engineering, P.C.  
**Amendment Amount:** \$277,300.00  
*Subconsultant Approval:* Aqua Survey, Inc.

The County of Westchester (“County”), acting by and through its Department of Public Works and Transportation (“Department”), entered into Agreement Number 21-909 (“Agreement”), dated August 25, 2021, with Princeton Hydro Engineering, P.C. (“Consultant”), 35 Clark Street, Suite 200, Trenton, New Jersey 08611, wherein the Consultant was to provide engineering services in connection with Furnace Brook Maiden Lane Dam Removal, Oscawana Island Nature Preserve, Town of Cortlandt, New York. The Agreement was due to expire on December 31, 2025. The Agreement was thereafter amended by Resolution approved on February 1, 2024, to provide additional design services associated with this project and to extend the term of the Agreement to December 31, 2027.

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. For the removal of the Furnace Brook Maiden Lane Dam, the New York State Department of Environmental Conservation (“NYSDEC”) permit requirements include additional sediment testing and analysis that go beyond the typical sediment probes required in the past. The following additional task has been identified that is not included in the existing Agreement: the collection and analysis of additional sediment core samples for analytical testing.

It is therefore requested that the existing Agreement be further amended to provide for additional engineering services in connection with Furnace Brook Maiden Lane Dam Removal, Oscawana Island Nature Preserve, Town of Cortlandt, New York. The Consultant shall provide additional design services associated with this project that is outside of the scope of work included in the existing Agreement. Additional design services shall include additional sediment sampling, laboratory coordination and analysis, interpretation, results, and reporting.

The objective of this project will be to provide for the removal of a concrete masonry dam and abutments located in the Furnace Brook, a tributary of the Hudson River, at Oscawana Island Nature Preserve. The removal of this dam will provide for natural sediment transport that will improve water quality and provide an enhanced ecological habitat for aquatic species, including fish. The removal of the dam shall include, but not be limited to, the following design elements: removal of existing dam and abutments, extraneous sediment removal required to establish a natural streambed, and restoration of the floodplain. This agreement will benefit the public as it mitigates the impacts of excessive sedimentation and stormwater pollutants on the Furnace Brook, thereby enhancing the aesthetic, recreational and ecological values of the area which promotes public health policies and laws.

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.

The fee for the above services is for an amount of \$277,300.00 pursuant to an approved budget, bringing the total Agreement plus Amendment to \$514,900.00. The completion date of the Agreement shall remain December 31, 2027.

In addition, the Consultant has requested the utilization of the following subconsultant: Aqua Survey, Inc., for Bathymetric Survey and Sediment Core Collection Services, 469 Barbertown Point Breeze Road, Flemington, New Jersey 08822.

The Department 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/AS/cg

# RESOLUTION

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

RESOLVED, that the existing Agreement No. 21-909 (“Agreement”) between the County of Westchester (“County”) and Princeton Hydro Engineering, P.C. (“Consultant”), 35 Clark Street, Suite 200, Trenton, New Jersey 08611, as previously amended, be hereby further amended to provide for additional engineering services in connection with Furnace Brook Maiden Lane Dam Removal, Oscawana Island Nature Preserve, Town of Cortlandt, New York. The Consultant shall provide additional design services associated with this project that is outside of the scope of work included in the existing Agreement. Additional design services shall include additional sediment sampling, laboratory coordination and analysis, interpretation, results, and reporting; and be it further

RESOLVED, that for the additional services rendered in accordance with the Consultant’s proposal, Princeton Hydro Engineering, P.C., shall be paid a fee of \$277,300.00 pursuant to an approved budget, increasing the total maximum fee to \$514,900.00; and be it further

RESOLVED, that the use of the following subconsultant also be approved Aqua Survey, Inc., for Bathymetric Survey and Sediment Core Collection Services, 469 Barbertown Point Breeze Road, Flemington, New Jersey 08822; and be it further

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	\$	225,000.00	(Design Services)
This Amendment		12,600.00	(Additional Design Services)
This Amendment		277,300.00	(Additional Design Services)
<b>TOTAL</b>	<b>\$</b>	<b>514,900.00</b>	

**Agreement No. 21-909**

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
	318	19	BPL40-05-E	6120-03	BA #63-2021	\$277,300.00

Budget Funding Year(s): 2025 Start Date: 8/25/21 End Date: 12/31/27  
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./  
 State Aid: \_\_\_\_\_ Social Security No.: \_\_\_\_\_  
\$277,300.00 Federal Aid: \_\_\_\_\_ Vendor No.: \_\_\_\_\_  
 (must match resolution) Other: \_\_\_\_\_ Encumbrance No.: \_\_\_\_\_

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