

103187

**TO:** Board of Acquisition and Contract

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

**DATE:** September 5, 2023

**SUBJECT:** Authority to Enter into Agreement No. 23-900 in the matter of Engineering Services in connection with the Rehabilitation of Tuckahoe Road Bridge over Bronx River Parkway, BIN 3348000, Yonkers, New York

**Consultant:** Tectonic Engineering Consultants, Geologists & Land  
Surveyors, D.P.C.

**Agreement Amount:** \$260,110.00

Authority of your Honorable Board is requested for the County of Westchester ("County") acting by and through its Department of Public Works and Transportation ("Department") to enter into Agreement No. 23-900 ("Agreement") with Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. ("Consultant"), 70 Pleasant Hill Road, P.O. Box 37, Mountainville, New York 10953, in connection with engineering services for Rehabilitation of Tuckahoe Road Bridge over Bronx River Parkway, BIN 3348000, Yonkers, 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 County also reserves the right to amend this agreement with the Consultant at a future date to provide for construction phase services including but not limited to construction administration services.

The objective of this project will be to rehabilitate the Tuckahoe Road Bridge over Bronx River Parkway (BIN 3348000). This work is necessary due to deterioration of the bridge. The existing bridge, built in 1922, is a single span concrete arch bridge approximately 48 feet long by 65 feet wide with an annual average daily traffic count ("AADT") of 8,375 and a condition rating of 4.47. This bridge requires reconstruction to ensure that it can remain a key component of the County's infrastructure, vital to the City of Yonkers. This bridge rating system, using a scale of 1 ("hazardous") through 7 ("new"), is a weighted average of the condition of an evaluated bridge. A rating below 5 indicates that a bridge requires work and delay of this work shall result in the continued deterioration of the bridge. The bridge rehabilitation work shall include, but not be limited to, the following items: rehabilitation of the concrete arch and abutments; waterproofing of the concrete arch; installing new pavement and sidewalks; and associated work. This Agreement will benefit the public as it will enhance the functionality of the bridge structure and roadway ensuring its safe use by the traveling public.

In 2015 the Department retained Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. to provide design services for the Rehabilitation of Tuckahoe Road Bridge over Bronx River, BIN 3364940, Yonkers and Tuckahoe, New York. The bridge over the Bronx River is a single-span concrete arch structure approximately 44 feet long by 66 feet wide that carries numerous utilities including high voltage lines owned by the New York Power Authority ("NYPA").

There is another adjacent structure, Tuckahoe Road Bridge over Bronx River Parkway, BIN 3348000, Yonkers, New York, that also requires rehabilitation. This bridge also carries the same utilities including the NYPA high voltage lines. The Department wishes to begin the design of this bridge as soon as possible in order to combine the two adjacent structures into one construction project. Combining the two structures into a single construction project will minimize traffic and neighborhood disruption as well as improve utility coordination with NYPA and Con Edison.

Failure to undertake this project may result in continued structural deterioration potentially leading to property damage and/or personal injury. This agreement will benefit the public as it will enhance the functionality of the bridge structure and roadway ensuring its safe use by the traveling public. Time is of the essence in order to undertake the rehabilitation of both adjacent bridges as quickly as possible.

In accordance with the Accelerated Qualification and Selection Procedure as outlined in the Rules of the Professional Prequalification and Selections Boards (Act 144-1996, §3D), on December 8, 2022, a statement outlining the aforementioned reason requiring the accelerated procedure, the qualifications of the proposed firm and the scope of work for Rehabilitation of Tuckahoe Road Bridge over Bronx River Parkway was submitted to the Chair of the Professional Prequalification Board.

The Chair of the Professional Prequalification Board on December 13, 2022, agreed that the accelerated consultant procurement procedure was warranted. Subsequently, these items were reviewed and approved by the Chair of the Professional Selection Board on December 13, 2022, and the firm was selected to perform said services.

By Resolution approved February 2, 2023, your Honorable Board authorized the County to negotiate with the Consultant, and a proposal was submitted for engineering services for Rehabilitation of Tuckahoe Road Bridge over Bronx River Parkway, BIN 3348000, Yonkers, New York, for a total fee of \$260,110.00, pursuant to an approved budget.

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:

RESOLVED, that approval for the County of Westchester (“County”) acting by and through its Department of Public Works and Transportation (“Department”) is hereby granted to enter into Agreement No. 23-900 (“Agreement”) with the firm of Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. (“Consultant”), 70 Pleasant Hill Road, P.O. Box 37, Mountainville, New York 10953, for engineering services associated with Rehabilitation of Tuckahoe Road Bridge over Bronx River Parkway, BIN 3348000, Yonkers, 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 County also reserves the right to amend this agreement with the Consultant at a future date to provide for construction phase services including but not limited to construction administration services; and be it further

RESOLVED, that for services rendered in accordance with the Consultant’s proposal, a total compensation of \$260,110.00 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, 2028; 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.

## Agreement No. 23-900

Account to be Charged/Credited	Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
	366	46	RB04J-01-E	6120-03	BA #151-2023	\$ 260,110.00

Budget Funding Year(s): 2023 Start Date: 10/15/2023 End Date: 12/31/2028  
(must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./  
State Aid: \_\_\_\_\_ Social Security No.: \_\_\_\_\_  
\$260,110.00 Federal Aid: \_\_\_\_\_ Vendor No.: \_\_\_\_\_  
(must match resolution) Other: \_\_\_\_\_ Encumbrance No.: \_\_\_\_\_