

47495

TO: Board of Acquisition and Contract
FROM: Jay T. Pisco, PE
Commissioner of Public Works and Transportation
DATE: June 30, 2015
SUBJECT: Authority to Enter into Agreement #15-940
In the matter of Engineering Services in connection with the
Rehabilitation of Tuckahoe Road Bridge over Bronx River, BIN 3364940, City of Yonkers and
Village of Tuckahoe, New York

Consultant: Tectonic Engineering & Surveying Consultants PC
Agreement Amount: \$88,873.86

Authority of your Honorable Board is requested to enter into an Agreement in connection with the Rehabilitation of Tuckahoe Road Bridge over Bronx River, BIN 3364940, City of Yonkers and Village of Tuckahoe, 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 Tuckahoe Road Bridge over Bronx River, BIN 3364940. The existing bridge was built in 1916 and has an annual average daily traffic count ("AADT") of 11,600. It is a single-span concrete arch bridge approximately 44 feet long by 66 feet wide. This bridge has a condition rating of 4.72 and requires rehabilitation to insure that it can remain a key component of the County's infrastructure, vital to the City of Yonkers and Village of Tuckahoe. This 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. The rehabilitation work shall include, but not be limited to, the following items: removal and replacement of the pavement, fill, sidewalks, and waterproofing membrane and related work. Deteriorated concrete on the structure will be removed and replaced. Erosion and scour problems will be addressed with riprap and bioremediation along the banks. Stone facing will be repaired and re-pointed. The presence of a high voltage line (NYPA) on the bridge will require additional work and coordination to protect the line during construction. 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, thus addressing the County Executive's priority area of Best Management Practices, Infrastructure, and Life Safety.

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 October 24, 2013, 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 26, 2013 whereby Ammann & Whitney Consulting Engineers, PC; Greenman-Pedersen, Inc.; LiRo Engineers, Inc.; Lockwood, Kessler & Bartlett, Inc.; McLaren Engineering Group; STV Incorporated; Tectonic Engineering & Surveying Consultants PC; and WSP USA Corp. were selected to possibly perform said services.

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On March 19, 2015, a request for proposal (RFP) was sent to the qualified firms and subsequently five (5) proposals were received on April 23, 2015.

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 June 3, 2015, selected Tectonic Engineering & Surveying Consultants PC, 70 Pleasant Hill Road, P.O. Box 37, Mountainville, New York 10953, as the number one firm to perform engineering services in connection with the Rehabilitation of Tuckahoe Road Bridge over Bronx River, BIN 3364940, City of Yonkers and Village of Tuckahoe, New York, for a total fee of \$88,873.86, pursuant to an approved budget, which represents the best possible contract for the County.

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

The Department of Public Works and Transportation will track scheduling and accomplishments by the consultant and perform on-site inspections to ensure the successful completion of this project.

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

I recommend adoption of the attached proposed Resolution.

JTP/RSD/AS

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 Tectonic Engineering & Surveying Consultants PC, 70 Pleasant Hill Road, P.O. Box 37, Mountainville, New York 10953, for engineering services associated with the Rehabilitation of Tuckahoe Road Bridge over Bronx River, BIN 3364940, City of Yonkers and Village of Tuckahoe, 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 \$88,873.86, 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, 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.

Agreement No. 15-940

| Account to be Charged/Credited | Fund | Dept | Major Program, Program & Phase or Unit | Object/ Sub Object | Bond Act No. | Dollars |
|--------------------------------|------|------|--|--------------------|--------------|--------------|
| | 366 | 46 | RB03I01E | 6120-03 | BA #43-2015 | \$ 88,873.86 |
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Budget Funding Year(s): 2015 Start Date: 08/01/2015 End Date: 12/31/2018
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./
 State Aid: _____ Social Security No.: _____
\$88,873.86 Federal Aid: _____ Vendor No.: _____
 (must match resolution) Other: _____ Encumbrance No.: _____