

53746

TO: Board of Acquisition and Contract
FROM: Vincent F. Kopicki, PE
Commissioner of Public Works and Transportation
DATE: December 6, 2016
SUBJECT: Authority to Enter into Agreement #16-936 in the matter of Engineering Services in connection with the Replacement of Quaker Bridge Road Bridge over Croton River, BIN 3348560, Cortlandt, New York

Consultant: Creighton Manning Engineering, LLP
Agreement Amount: \$170,000.00

Subconsultant Approval: Atlantic Testing Laboratories, Limited (WBE)
R.K. Hite & Co., Inc.
Hartgen Archeological Associates, Inc.

Authority of your Honorable Board is requested to enter into an Agreement in connection with the Replacement of Quaker Bridge Road Bridge over Croton River, BIN 3348560, Cortlandt, New York. The consultant shall provide study services associated with this project. For study services, the consultant shall provide data acquisition, verify existing site conditions, perform environmental testing and analysis, develop alternate solutions with associated cost estimates, prepare a draft report for review, and issue a final report indicating recommended options.

The objective of this project will be to prepare a study to determine the viable options and costs associated with the replacement of Quaker Bridge Road Bridge over Croton River in the Town of Cortlandt. The existing bridge has a condition rating of 4.38 and requires replacement to insure that it can remain a key component of the County's infrastructure, vital to the Town of Cortlandt. The bridge was originally constructed in 1930. It is a single span steel through truss bridge approximately 98 feet long by 19 feet wide which carries two lanes of traffic (the roadway is only 15'-6" wide). The County would like to have a new two-lane bridge that will meet current standards. The Quaker Bridge Road Bridge is eligible for listing on the National Register of Historic Places. Any proposed design and construction of a new replacement structure would be subject to review by State Historic Preservation Office (SHPO) and County Planning Department staff.

Issues to be addressed by the Consultant in the study shall include, but are not limited to, the following:

- Structural deficiencies of the existing bridge (load posted for 15 tons)
- Vertical clearance deficiencies of the existing bridge (posted for 11'-5")
- Historic review of the existing bridge and bridge replacement alternatives
- Environmental review of the existing bridge and bridge replacement alternatives
- Utility identification of the existing bridge and bridge replacement alternatives
- Traffic analysis of the existing bridge and bridge replacement alternatives
- Identifying and assessing the feasibility of potential bridge relocation alignments whether they are at the current site or upstream/downstream from the current site

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This agreement will benefit the public as it will enhance the functionality of the structure and associated roadway ensuring their safe use by the traveling public, thus addressing the County Executive's priority areas 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 September 29, 2015, 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 October 5, 2015 whereby AECOM USA, Inc.; Creighton Manning Engineering, LLP; Dolph Rotfeld Engineering, PC; Henningson, Durham & Richardson Architecture and Engineering, PC; Lockwood, Kessler & Bartlett, Inc.; STV Incorporated; Tectonic Engineering & Surveying Consultants, PC; VHB Engineering, Surveying and Landscape Architecture, PC; and WSP | Parsons Brinckerhoff were selected to possibly perform said services. On February 10, 2016, a request for proposal (RFP) was sent to the qualified firms and subsequently three (3) proposals were received on March 24, 2016.

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 October 12, 2016, selected Creighton Manning Engineering, LLP, 2 Winners Circle, Albany, New York 12205, as the number one firm to perform engineering services in connection with the Replacement of Quaker Bridge Road Bridge over Croton River, BIN 3348560 Cortlandt, New York, for a total fee of \$170,000.00, pursuant to an approved budget, which represents the best possible contract for the County.

In addition, Creighton Manning Engineering, LLP has requested the utilization of the following subconsultants: Atlantic Testing Laboratories, Limited (Geotechnical and Environmental Engineering Services), 251 Upper North Road, Highland, New York 12528; R.K. Hite & Co., Inc. (Right-of-Way Services), PO Box 130, 87 Genesee Street, Avon, New York 14414; and Hartgen Archeological Associates, Inc. (Archeological Services), 1744 Washington Avenue Extension, Rensselaer, New York 12144.

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.

VFK/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 Creighton Manning Engineering, LLP, 2 Winners Circle, Albany, New York 12205, for engineering services associated with the Replacement of Quaker Bridge Road Bridge over Croton River, BIN 3348560, Cortlandt, New York. The consultant shall provide study services associated with this project. For study services, the consultant shall provide data acquisition, verify existing site conditions, perform environmental testing and analysis, develop alternate solutions with associated cost estimates, prepare a draft report for review, and issue a final report indicating recommended options; and be it further

RESOLVED, that for services rendered in accordance with the consultant's proposal, a total compensation of \$170,000.00, shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the use of the following subconsultants also be approved: Atlantic Testing Laboratories, Limited (Geotechnical and Environmental Engineering Services), 251 Upper North Road, Highland, New York 12528; R.K. Hite & Co., Inc. (Right-of-Way Services), PO Box 130, 87 Genesee Street, Avon, New York 14414; and Hartgen Archeological Associates, Inc. (Archeological Services), 1744 Washington Avenue Extension, Rensselaer, New York 12144; 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, 2020; 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. 16-936

Account to be Charged/Credited

Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
366	46	RB03W01E	6120-03	BA #41-2015	\$ 170,000.00

Budget Funding Year(s): 2017 Start Date: 01/01/2017 End Date: 12/31/2020
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./
 State Aid: _____ Social Security No.: _____
\$170,000.00 Federal Aid: _____ Vendor No.: _____
 (must match resolution) Other: _____ Encumbrance No.: _____