

53745

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 #16-935
In the matter of Engineering Services in connection with the
Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919,
Harrison and Mamaroneck, New York

Consultant: **Henningson, Durham & Richardson Architecture and
Engineering, PC**

Agreement Amount: **\$242,200.00**

Subconsultant Approval: **MJ Engineering and Land Surveying, PC (MBE)**
Environmental Planning & Management, Inc. (WBE)

Authority of your Honorable Board is requested to enter into an Agreement in connection with the Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919, Harrison and Mamaroneck, 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 Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919. This work is necessary due to deterioration of the bridge. The existing bridge was built in 1963 and has an annual average daily traffic count ("AADT") of 21,021. It is a single span concrete box beam bridge approximately 53 feet long by 88 feet wide. This bridge has a condition rating of 4.74 and requires rehabilitation to insure that it can remain a key component of the County's infrastructure, vital to the Town of Harrison and Village of Mamaroneck. 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 and delay of this work shall result in the continued deterioration of the bridge. The rehabilitation work shall include, but not be limited to, the following items: replacement of bridge superstructure including asphalt wearing surface, waterproofing membrane, concrete curbs, concrete sidewalks, pre-stressed concrete box beams, elastomeric bearing and steel bridge railing along with approach guide rail and approach pavement. The presence of a water line 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.

Board of Acquisition and Contract

Agreement No. 16-935

Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919,

Harrison and Mamaroneck, New York

Henningson, Durham & Richardson Architecture and Engineering, PC

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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.; Ammann & Whitney Consulting Engineers, PC; C&S Engineers, Inc.; Creighton Manning Engineering, LLP; Dolph Rotfeld Engineering, PC; Greenman-Pedersen, Inc.; Henningson, Durham & Richardson Architecture and Engineering, PC; LiRo Engineers, Inc.; Michael Baker Engineering, Inc.; and STV Incorporated were selected to possibly perform said services. On February 8, 2016, a request for proposal (RFP) was sent to the qualified firms and subsequently five (5) proposals were received on March 15, 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 Henningson, Durham & Richardson Architecture and Engineering, PC, 711 Westchester Avenue, White Plains, New York 10604, as the number one firm to perform engineering services in connection with the Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919, Harrison and Mamaroneck, New York, for a total fee of \$242,200.00, pursuant to an approved budget, which represents the best possible contract for the County.

In addition, Henningson, Durham & Richardson Architecture and Engineering, PC, has requested the utilization of the following subconsultants: MJ Engineering and Land Surveying, PC (Surveying and Mapping Services), 1533 Crescent Road, Clifton Park, New York 12065; and Environmental Planning & Management, Inc. (Hazardous Materials Investigations, Assessment and Abatement Design Services), 1983 Marcus Avenue, Suite 109, Lake Success, New York 11042.

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 Henningson, Durham & Richardson Architecture and Engineering, PC, 711 Westchester Avenue, White Plains, New York 10604, for engineering services associated with the Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919, Harrison and Mamaroneck, 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 \$242,200.00, shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the use of the following subconsultants also be approved: MJ Engineering and Land Surveying, PC (Surveying and Mapping Services), 1533 Crescent Road, Clifton Park, New York 12065; and Environmental Planning & Management, Inc. (Hazardous Materials Investigations, Assessment and Abatement Design Services), 1983 Marcus Avenue, Suite 109, Lake Success, New York 11042; 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, 2021; 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. 16-935

Account to be Charged/Credited

Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
366	46	RB03M01E	6120-03	BA #171-2015	\$ 242,200.00

Budget Funding Year(s): 2017 Start Date: 01/01/2017 End Date: 12/31/2021
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./
 State Aid: _____ Social Security No.: _____
\$242,200.00 Federal Aid: _____ Vendor No.: _____
 (must match resolution) Other: _____ Encumbrance No.: _____