

42539

TO: Board of Acquisition and Contract
FROM: Jay T. Pisco, PE
Commissioner of Public Works and Transportation
DATE: October 7, 2014
SUBJECT: Authority to Enter into Agreement #14-940
In the matter of Engineering Services in connection with the Outfall Jetty Rehabilitation,
Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York

Consultant: **Dvirka and Bartilucci Consulting Engineers,
A Division of D&B Engineers and Architects, PC**

Agreement Amount: **\$494,698.00**

Subconsultant Approval: *LynStaar Engineering, PC (WBE)*
Fathom Solutions, LLC (WBE)

Authority of your Honorable Board is requested to enter into an Agreement in connection with the Outfall Jetty Rehabilitation, Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York. The consultant shall provide design and construction administration 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. For construction administration services, the consultant shall monitor the construction procedures on the site to ensure compliance with the contract documents, coordinate scheduled activities of the contractors, submit construction progress reports and review and process contractors' applications for payment.

The objective of this project will be to rehabilitate the outfall jetty along Long Island Sound at the Mamaroneck Wastewater Treatment Plant (MWWTP). Plant effluent is conveyed through a 54-inch diameter outfall pipe that leaves the east side of the MWWTP and travels through Harbor Island Park. At the eastern edge of the park, a jetty with bulkhead was created to act as a retaining structure where the outfall piping passes through the harbor and proceeds about one half mile before discharging into Long Island Sound. The bulkhead was originally constructed around 1930 by the Westchester County Sanitary Sewer Commission and was substantially rebuilt in 1966, whereby a section of original steel sheet bulkhead was removed down to the harbor bottom and the section below grade left in place. New steel sheet piling was installed further inward to create a narrow landform over the outfall piping. The steel sheet piling has significantly degraded over the past 48 years that it has been in service and is in need of rehabilitation. This work is necessary to provide improved sanitary facilities that are in compliance with all applicable regulations. This project will implement the most cost-effective and environmentally compliant technologies available. This agreement will benefit the public as it avoids potential adverse environmental impact to the surrounding properties, thereby promoting public health policies and laws.

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.

Board of Acquisition and Contract

Agreement No. 14-940

Outfall Jetty Rehabilitation, Mamaroneck Wastewater Treatment Plant

Dvirka and Bartilucci Consulting Engineers, A Division of D&B Engineers and Architects, PC

Page 2

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 Boswell Engineering, PC; Cashin Associates, PC; Dvirka and Bartilucci Consulting Engineers, A Division of D&B Engineers and Architects, PC; and M. G. McLaren, P.C. d/b/a McLaren Engineering Group were selected to possibly perform said services. On March 26, 2014, a request for proposal (RFP) was sent to the qualified firms and subsequently proposals were received on May 8, 2014.

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 August 27, 2014, selected Dvirka and Bartilucci Consulting Engineers, A Division of D&B Engineers and Architects, PC, 330 Crossways Park Drive, Woodbury, New York 11797, as the number one firm to perform engineering services in connection with the Outfall Jetty Rehabilitation, Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York, for a total fee of \$494,698.00, pursuant to an approved budget, which represents the best possible contract for the County.

In addition, Dvirka and Bartilucci Consulting Engineers, A Division of D&B Engineers and Architects, PC, has requested the utilization of the following subconsultants: LynStaar Engineering, PC (Construction Inspection Services), 448-450 Marville Road, Pleasantville, New York 10570; and Fathom Solutions, LLC (Underwater Inspection Services), 7113 Route 91, Tully, New York 13159.

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

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

I recommend adoption of the attached proposed Resolution.

JTP/LR/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 Dvirka and Bartilucci Consulting Engineers, A Division of D&B Engineers and Architects, PC, 330 Crossways Park Drive, Woodbury, New York 11797, for engineering services associated with the Outfall Jetty Rehabilitation, Mamaroneck Wastewater Treatment Plant, Mamaroneck, New York. The consultant shall provide design and construction administration 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. For construction administration services, the consultant shall monitor the construction procedures on the site to ensure compliance with the contract documents, coordinate scheduled activities of the contractors, submit construction progress reports and review and process contractors' applications for payment; and be it further

RESOLVED, that for services rendered in accordance with the consultant's proposal, a total compensation of \$494,698.00, shall be provided, pursuant to an approved budget; and be it further

RESOLVED, that the use of the following subconsultants also be approved: LynStaar Engineering, PC (Construction Inspection Services), 448-450 Manville Road, Pleasantville, New York 10570; and Fathom Solutions, LLC (Underwater Inspection Services), 7113 Route 91, Tully, New York 13159; 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, 2019; 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. 14-940

| Account to be Charged/Credited | Fund | Dept | Major Program, Program & Phase or Unit | Object/ Sub Object | Bond Act No. | Dollars |
|--------------------------------|------|------|----------------------------------------|--------------------|---------------|----------------------|
| | 322 | 60 | SM00201E | 6120-03 | BA #66-2014 | \$ 233,910.00 |
| | 322 | 60 | SM00201I | 6120-05 | BA #66-2014 | \$ 260,788.00 |
| | | | | | Total: | \$ 494,698.00 |

Budget Funding Year(s): 2014 Start Date: 10/31/2014 End Date: 12/31/2019
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./
 State Aid: _____ Social Security No.: _____
\$494,698.00 Federal Aid: _____ Vendor No.: _____
 (must match resolution) Other: _____ Encumbrance No.: _____

Board of Acquisition and Contract

Agreement No. 14-940

Outfall Jetty Rehabilitation, Mamaroneck Wastewater Treatment Plant

Dvirka and Bartilucci Consulting Engineers, A Division of D&B Engineers and Architects, PC

List of Respondents

Cashin Associates, PC \$ 696,574.00
1200 Veterans Memorial Highway
Hauppauge, New York 11788
(631) 348-7600

Dvirka and Bartilucci Consulting Engineers, \$ 494,698.00
A Division of D&B Engineers and Architects, PC
330 Crossways Park Drive
Woodbury, New York 11797
(516) 364-9890

M. G. McLaren, P.C. d/b/a McLaren Engineering Group \$ 587,800.00
100 Snake Hill Road
West Nyack, New York 10994
(845) 353-6400

APPROVED BOARD OF ACQUISITION & CONTRACT - 10/30/2014 - JOMARY VIEIRA, SECRETARY