

56172

TO: Board of Acquisition and Contract

FROM: Vincent F. Kopicki, PE
Commissioner of Public Works and Transportation

DATE: March 28, 2017

SUBJECT: Authority to Enter into Agreement #17-910
In the matter of Engineering Services in connection with Rustic Steel Guide Rail Replacement,
Various Locations, Westchester County, New York

Consultant: **Howard L. Boswell, Engineer & Land Surveyor, PC d/b/a
Boswell Engineering**

Agreement Amount: **\$141,400.00**

Authority of your Honorable Board is requested to enter into an Agreement in connection with Rustic Steel Guide Rail Replacement, Various Locations, Westchester County, 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 replace rustic steel guide rail on various County Roads. The New York State Department of Transportation ("NYSDOT") has deemed that ASTM A 588 (Corten, self-weathering, rustic) steel guide rail is no longer satisfactory in the certainty of its safety performance over time. The remaining service life cannot be adequately determined and the rail could potentially pose a safety threat to the traveling public despite its satisfactory appearance if it is not replaced. NYSDOT has recommended that all rustic steel guide rail be replaced with guide rail that meets current standards. Rustic steel guide rail will be replaced at the following County Road ("CR") locations:

- Mamaroneck Avenue, CR 8, from Saxon Drive to Old White Plains Road (a distance of 1.21 miles), Village of Mamaroneck. Includes islands (s-turns) at I-95 ramp.
- Bedford Banksville Road, CR 12, 56, and 56A, from Route 22 to Armonk/Connecticut border line (a distance of 5.08 miles), Towns of Bedford and North Castle.
- Pleasantville Road, CR 40I, from South State Road to Mount Pleasant/Pleasantville border line (a distance of 1.89 miles), Town of Mount Pleasant and Village of Briarcliff Manor.
- Pleasantville Road, CR 40II, from North State Road to Briarcliff Manor/Ossining border line (a distance of 1.13 miles), Village of Briarcliff Manor.
- Bedford Road/Pleasantville Road, CR 106, from View Street to Pleasantville Road (a distance of 0.12 miles) and from Bedford Road to Mount Pleasant/Pleasantville border line (a distance of 0.30 miles), Village of Pleasantville.
- Byram Lake Road & Cox Avenue, CR133, from Route 22 to 30 feet south of Pole #54 (a distance of 2 miles), Town of North Castle.

- Central Westchester Parkway, CR 150, from North Broadway to Grant Avenue Bridge (a distance of 0.77 miles), City of White Plains.
- Pines Bridge Road, CR 1323, from Shingle House Road to Sunset Drive East (a distance of 3.12 miles), Towns of New Castle and Ossining. Includes Taconic Parkway ramps. Note that the road portion in Yorktown was transferred from the County to the Town in 2006.
- Bronx River Parkway, CR 9992, from Scarsdale Road to Kensico Circle (a distance of 13.22 miles), Cities of Yonkers and White Plains, Towns of Eastchester, Greenburgh, and Mount Pleasant, Villages of Tuckahoe and Scarsdale. Includes entrance and exit ramps.

The replacement work shall include, but not be limited to, the following rustic steel guide rail items: W-rail, box beam, transition from W-rail to box beam, transition from box beam to bridge abutments, transition from W-rail to bridge abutments, and all associated anchorages and end sections. New replacement rail systems shall be constructed to current standards as per New York State standard sheets and New York State Highway Design Manual. Existing components identified as not meeting current design standards shall be upgraded in order to achieve compliance with current standards. This agreement will benefit the public as it will enhance the functionality of the roadways ensuring their 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 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 Barton & Loguidice, DPC; Howard L. Boswell, Engineer & Land Surveyor, PC d/b/a Boswell Engineering; C&S Engineers, Inc.; Creighton Manning Engineering, LLP; Dolph Rotfeld Engineering, PC; Hudson Engineering & Consulting, PC; Maser Consulting PA; and Michael Baker Engineering, Inc. were selected to possibly perform said services. On October 5, 2016, a request for proposal (RFP) was sent to the qualified firms and subsequently three (3) proposals were received on November 16, 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 February 17, 2017, selected Howard L. Boswell, Engineer & Land Surveyor, PC d/b/a Boswell Engineering, 799 Madison Avenue, Albany, New York 12208, as the number one firm to perform engineering services in connection with Rustic Steel Guide Rail Replacement, Various Locations, Westchester County, New York, for a total fee of \$141,400.00, 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 Acting Commissioner of the Department of Planning, and they are in concurrence.

I recommend adoption of the attached proposed Resolution.

VFK/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 Howard L. Boswell, Engineer & Land Surveyor, PC d/b/a Boswell Engineering, 799 Madison Avenue, Albany, New York 12208, for engineering services associated with Rustic Steel Guide Rail Replacement, Various Locations, Westchester County, 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 \$141,400.00, 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, 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. 17-910

Account to be Charged/Credited

Fund	Dept	Major Program, Program & Phase or Unit	Object/ Sub Object	Bond Act No.	Dollars
366	46	RB14501E	6120-03	BA #221-2016	\$ 141,400.00

Budget Funding Year(s): 2017 Start Date: 04/30/2017 End Date: 12/31/2021
 (must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./
 State Aid: _____ Social Security No.: _____
\$141,400.00 Federal Aid: _____ Vendor No.: _____
 (must match resolution) Other: _____ Encumbrance No.: _____