

69595

TO: Board of Acquisition and Contract

FROM: Hugh J. Greechan, Jr., PE
Commissioner of Public Works and Transportation

DATE: May 7, 2019

SUBJECT: First Amendment to Agreement No. 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, P.C.

Amendment Amount: \$719,584.13

The County of Westchester ("County"), acting by and through its Department of Public Works and Transportation ("Department"), entered into Agreement Number 16-935 ("Agreement"), dated February 2, 2017, with Henningson, Durham & Richardson Architecture and Engineering, P.C. ("Consultant"), 711 Westchester Avenue, White Plains, New York 10604, wherein the Consultant was to provide design services associated with the Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919, Harrison and Mamaroneck, New York. The Agreement expires on December 31, 2021.

The engineering services included in the original Agreement have been in progress. The County has been satisfied with the quality of services provided to date. The Consultant has developed several options for the proposed work that have been reviewed by the County as the basis for final design. The following additional tasks have been identified that are not included in the existing Agreement: (1) additional design services for a new permanent watermain and a temporary bypass watermain; (2) redesign of gas and electric utilities to incorporate revised Con Edison requirements; and (3) a meeting with public officials as requested by the County. In addition, construction administration services are required at this time.

Authority of your Honorable Board is therefore requested to amend the existing Agreement between the County and the Consultant to provide for additional engineering services in connection with the Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919, Harrison and Mamaroneck, New York. The Consultant shall provide additional design services associated with this project that are outside of the scope of work included in the existing Agreement and construction administration services. Additional 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 additional 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.

Board of Acquisition and Contract
Agreement No. 16-935, First Amendment
Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919,
Harrison and Mamaroneck, New York
Henningson, Durham & Richardson Architecture and Engineering, P.C.
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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. 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.

The engineering discipline encompassed in this Amendment is not new, but rather, it is an integral part of the project that involves the same degree of skill, experience and complexity as the expertise generally described in the original project. Accordingly, this type of engineering discipline was originally contemplated in the Professional Prequalification Board and Professional Selection Board process.

The fee for the above services is for an amount of \$719,584.13 pursuant to an approved budget, bringing the total Agreement plus Amendment to \$961,784.13. The completion date of the Agreement shall be extended to December 31, 2023.

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

Proposed form of Resolution to accomplish the foregoing is attached hereto.

HJG/RSD/KR/AS

RESOLUTION

Upon communication from the Commissioner of Public Works and Transportation, be it hereby

RESOLVED, that the existing Agreement No. 16-935 (“Agreement”) between the County of Westchester (“County”), acting by and through its Department of Public Works and Transportation (“Department”), and Henningson, Durham & Richardson Architecture and Engineering, P.C. (“Consultant”), 711 Westchester Avenue, White Plains, New York 10604, be amended to provide for additional engineering services in connection with the Rehabilitation of Mamaroneck Avenue Bridge over Mamaroneck River, BIN 3347919, Harrison and Mamaroneck, New York. The Consultant shall provide additional design services associated with this project that are outside of the scope of work included in the existing Agreement and construction administration services. Additional 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 additional 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 the additional services rendered, the Consultant shall be paid a fee of \$719,584.13 pursuant to an approved budget, increasing the total maximum fee to \$961,784.13; and be it further

RESOLVED, that the completion date of the Agreement shall be extended to December 31, 2023; and be it further

RESOLVED, that all other provisions of the existing Agreement shall remain in full force and effect; 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.

Original Agreement	\$ 242,200.00	(Design Services)
This Amendment	<u>719,584.13</u>	(Additional Design Services and Construction Administration Services)
TOTAL	\$ 961,784.13	

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	RB03M-01-E	6120-03	BA #149-2018	\$ 109,700.00
	366	46	RB03M-01-I	6120-05	BA #149-2018	\$ 609,884.13

Budget Funding Year(s): 2019 Start Date: 02/02/17 End Date: 12/31/23
(must match resolution)

Funding Source: Tax Dollars: 100% County Contractor Federal I.D. No./
State Aid: _____ Social Security No.: _____
\$719,584.13 Federal Aid: _____ Vendor No.: _____
(must match resolution) Other: _____ Encumbrance No.: _____