



ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

September 11, 2018

To: Terrence D. McCracken, Secretary to the Authority

From: Leonard F. Kowalski, Senior Distribution Engineer *LFK*

Subject: Contract CH-009 Amendment No.5
Water System Improvements
Towns of Cheektowaga, Hamburg, and West Seneca
Village of Blasdell
ECWA Project No. 201700091

Attached are the following documents:

1. ECWA Authorization Form for processing Professional Service Contract Amendment #5 with CHA Consulting, Inc.
2. Three originals of Professional Service Contract Amendment #5 for the above referenced project.

The Amendment is to increase the Resident Inspection and Resident Inspection Fixed Fee for the above referenced project.

The Authority estimated the inspection hours in the original request for proposal (RFP), which was responded to by the Consultant. There is no accurate means to calculate these costs prior to construction.

Consulting engineering must inspect the work site daily, accounting for material, supplies and equipment on the work site, as well as counting the number and type of laborers being employed on the site. These inspections must take place daily, even when no work is taking place on site. These inspections ensure and verify the accuracy of prevailing wage reports and invoices being submitted for payment and reimbursement. Delays in construction due to unexpected or unforeseen problems or weather-related delays will increase the hours for resident inspections. The Authority estimates these costs based on the size of the construction project and past experience with projects of similar size.

In this case, the hours estimated by the Authority were inadequate to properly provide inspection services for the duration of the construction project and therefore need to be increased to compensate the consultant for the services that were provided.

Construction work cannot continue without daily inspections. If we would have halted inspection services and told the contractor to stop working, the Authority would most likely be subjected to demobilization and remobilization costs associated with the contractor pulling off the job until the inspection services were reestablished. Having the contractor stop work would

adversely affect their schedule and the project would most likely not get done this construction season.

The increased amount reflects the actual construction schedule and site conditions encountered during construction. The following table provides the original contract cost, proposed amendment cost and total contract cost.

	Original Contract	Amendments No.1-4	Amendment No.5	Original Contract + All Amendments
Survey	\$23,910.00	\$6,000.00	\$0.00	\$29,910.00
Design	\$44,740.00	\$49,900.00	\$0.00	\$94,640.00
General Services	\$24,844.00	\$13,700.00	\$0.00	\$38,544.00
Estimated Resident Inspection	\$50,994.00	\$31,860.00	50,000.00	\$132,854.00
Estimated Resident Inspection Fixed Fee	\$5,666.00	\$3,540.00	\$5,000.00	\$14,206.00
Record Drawings	\$5,612.00	\$5,600.00	\$0.00	\$11,212.00
Estimated Special Services	\$7,000.00	\$2,600.00	0.00	\$9,600.00
TOTALS	\$162,766.00	\$113,200.00	\$55,000.00	\$330,966.00

This work is within the original scope of the Professional Services Contract dated April 28, 2017 and the project is adequately funded.

The cost for the contractor to perform the work associated with this project is \$2,307,048.75.

LFK: jmf
 Attachments
 cc: R.Stoll
 CONT-CH-009-1701-011

ERIE COUNTY WATER AUTHORITY
 PROFESSIONAL SERVICES CONTRACT
 AMENDMENT No. 5

Project No. 201700091 Contract No. CH-009
 Job No. _____ EC No. _____
 OWIP No. _____ Entered by/Date jmf 08/02/2018

Title: Water System Improvements
City of Lackawanna
Towns of Cheektowaga, Hamburg, and West Seneca
Village of Blasdell

Consultant: CHA Consulting, Inc.

Description of Change to Contract:
Increase 3.D.1 Estimated Resident Inspection and Resident Inspection Fixed Fee.


Reason for Change:
The resident inspection fee in the Professional Services Contract was initially estimated by ECWA. The fee is being increased based on the actual construction schedule and site conditions for the project.

Compensation:
Revise 3.D Engineering Cost Schedule as follows:
Survey: no change
Design: no change
General Services: no change
Estimated Resident Inspection: increase by \$50,000.00
Resident Inspection Fixed Fee: increase by \$5,000.00
Record Drawings: no change
Estimated Special Services: no change

APPROVED BY:

CHA Consulting, Inc,

 Wesley S. Ecker Date
 Senior Vice President

ERIE COUNTY WATER AUTHORITY

 _____ 9/11/18
 Russell J. Stoll, P.E. Date
 Executive Engineer

Original Contract Amount \$162,766.00
 Amendment No. 1, 2, 3, & 4 \$113,200.00
 Amendment No. 5 \$55,000.00
 TOTAL \$330,966.00

Jerome D. Schad, Chairman Date
 Chairman