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Transportation

Civil

Construction

Environmental

Water Resources

Structural

Appraisal

September 14, 2022

Ms. Yifang Lu, P.E.
Engineering Manager / Deputy City Engineer
TED Business Group
City of Naperville
400 S. Eagle St.
Naperville, IL 60540
Attn: Chris Nichols, P.E.

Re: CIP – Downtown Streetscape Improvements
Construction Engineering Services
Request for Supplement (Amendment) No. 1 to the Agreement

Dear Mr. Nichols:

We are respectfully requesting a supplement to our Construction Engineering Services Agreement. This letter is based upon our discussions with you and Bill Novack throughout these past months and recently our discussions in more detail with you and Yifang Lu once the amount of work at the end of the project (and heading towards final completion) was known.

This supplement is required due to the contractor beginning work earlier than anticipated, which required our inspection. Monitoring the early work resulted in the estimated construction engineering hours running out before project completion. Additional engineering hours were also needed to inspect extra contractor work that was approved for the project along with addressing unexpected challenges which occurred during the underground installation. Furthermore, the contractor decided to work much longer hours than expected to finish their work. We had to cover the longer hours by splitting shifts and including an additional engineer beyond what was originally estimated.

Although the contractor did begin their work earlier, they still will not be finished until past the original completion date. On the attached schedule, we have shown when the original amount of engineering hours were exhausted, and then the estimated hours that are still needed to bring the project to completion. There were also increased expenses for our QA Material Testing Sub-consultant to perform soil testing which was implemented in an effort to save the project some costs of removing non-special waste.

The additional construction engineering time requested in this supplement is necessary to replace the hours used to cover the early start and additional work required to fit the underground items into the existing conditions. The longer hours of the contractors' crews also required more inspection time as well as an additional engineer. The engineering hours, needed to replace those prematurely used and then perform inspection to the later completion date, are shown on the attached schedule. Those additional engineering hours are shown after the originally anticipated



engineering hours were exhausted due to the reasons listed above. The updated schedule shows week by week the time required for our engineering team to complete the project after the original hours were expended.

The attached Cost Estimate for Construction Services shows the total additional 758 hours needed and the calculation of the requested amount of \$98,337. The other forms and backup that are required for this supplement are attached as well.

Please contact us with any questions you may have regarding our requested supplement. If this meets with your approval, please let us know if there is anything else we need to complete or execute. Thank you for the opportunity to work with you on this successful improvement, and we look forward to continuing our work together.

Very truly yours,

A handwritten signature in black ink, appearing to read "James D. Ewers", written in a cursive style.

James D. Ewers, P.E.
Director of Construction
Engineering Services
Civiltech Engineering, Inc.

**Exhibit A - Construction Engineering
 COST ESTIMATE OF CONSTRUCTION SERVICES - Supplement No. 1
 PHASE III ENGINEERING SERVICES
 CIP - Downtown Streetscape Improvements
 City of Naperville**

Route: CIP - Downtown Streetscape Improvements
 Local Agency: City of Naperville
 Contract No.:
 Project No.: 19-1-135
 Job No.: CIP CS-014
 County: DuPage

*Includes annual increase (3%) for work in 2022
 **Labor x 0.145 x 2.36 = Fixed Fee
 Complexity factor (R=0.00)

Consultant: Civiltech Engineering, Inc.

Prepared: 9/6/2022

ITEM	Employee Classification	Total Number of Manhours	Percent of Total	DOLLARS (\$)				
				Payroll Rate*	Payroll Costs	Payroll, Burden & Fringe Costs; Overhead & Expenses (Labor x 1.36)	Fixed Fee** (Labor x 0.34)	TOTAL
Construction Engineering:	Res. Engr. V (Roadway)	166	21.90%	\$ 58.95	\$ 9,786	\$ 13,309	\$ 3,327	\$ 26,422
		69	9.10%	\$ 58.95	\$ 4,068	\$ 5,532	\$ 1,383	\$ 10,983
		41	5.41%	\$ 58.95	\$ 2,417	\$ 3,287	\$ 822	\$ 6,526
	Res. Engr. III (Roadway)	204	26.91%	\$ 39.15	\$ 7,987	\$ 10,862	\$ 2,716	\$ 21,565
		85	11.21%	\$ 39.15	\$ 3,328	\$ 4,526	\$ 1,132	\$ 8,986
		51	6.73%	\$ 39.15	\$ 1,997	\$ 2,716	\$ 679	\$ 5,392
	Res. Engr. III (Watermain)	72	9.50%	\$ 39.15	\$ 2,819	\$ 3,834	\$ 958	\$ 7,611
		30	3.96%	\$ 39.15	\$ 1,175	\$ 1,598	\$ 400	\$ 3,173
		18	2.37%	\$ 39.15	\$ 705	\$ 959	\$ 240	\$ 1,904
	Chief Layout Specialist (Rdway)	8	1.06%	\$ 39.65	\$ 317	\$ 431	\$ 108	\$ 856
		3	0.40%	\$ 39.65	\$ 119	\$ 162	\$ 40	\$ 321
		1	0.13%	\$ 39.65	\$ 40	\$ 54	\$ 14	\$ 108
	Structural Engr. IV	0	0.00%	\$ 43.70	\$ -	\$ -	\$ -	\$ -
	Sr. Proj. Mngr. (Roadway)	6	0.79%	\$ 70.00	\$ 420	\$ 571	\$ 143	\$ 1,134
		3	0.40%	\$ 70.00	\$ 210	\$ 286	\$ 71	\$ 567
1		0.13%	\$ 70.00	\$ 70	\$ 95	\$ 24	\$ 189	
SUBTOTAL								
								Roadway \$ 57,588
								Watermain \$ 24,030
								Electrical \$ 14,119
								\$ 95,737
Direct Expenses:								
1.) Vehicle Expense								\$ 1,100
2.) Material Testing								\$ 1,500
3.) Soils Monitoring								\$ -
4.) Printing Expense								\$ -
5.) Photography								\$ -
TOTALS		758	100.00%	\$ 35,458	\$ 48,222	\$ 48,222	\$ 12,057	\$ 98,337
								Roadway \$ 59,148
								Watermain \$ 24,680
								Electrical \$ 14,509

- 1.) 20 Days @ \$55.00/Day
- 2.) Material Testing (Midland Standard Engineering & Testing, Inc.)
- 3.) Soils Monitoring
- 4.) Estimated printing expense for Record Drawings
- 5.) Estimated photography expense

CIP - Downtown Streetscape Improvements Summary of Direct Costs - Supplement No. 1

Route: CIP - Downtown Streetscape Improvements
Local Agency: City of Naperville
Section No.:
Proj. No.: 19-1-135
Job No.: CIP CS-014
County: DuPage
Contract No.:

Direct Costs:

Printing Expense

Assume 0 large sets for working drawings & 0 set for final "As-Builts"

Bond Prints: 0 sets X 99 sheets/set X \$0.86 per sheet = \$0.00

Total = \$0.00

Say: \$0.00

Photography Expense

Assume 0 sets of developed digital pictures @ \$10.00 ea. = \$0.00

Total: \$0.00

Vehicle Expense

20 vehicle days required @ \$55.00 per day = \$1,100.00

Total: \$1,100.00