

	AGENDA ITEM EXECUTIVE SUMMARY		Agenda Item number: 5.g
	Title:	Recommendation to Approve Addendum for Professional Service Agreement for the Westside Wastewater Treatment Plant Expansion	
	Presenter:	Tim Wilson	
Meeting: Government Services Committee		Date: September 28, 2020	
Proposed Cost: \$130,800		Budgeted Amount: \$176,000	Not Budgeted: <input type="checkbox"/>
Executive Summary <i>(if not budgeted please explain):</i> <p>The design portion of the Westside Wastewater Treatment project was approved in fall 2019. As a reminder, the existing facility functions at 0.7 million gallons a day (MGD) and is reaching capacity to service existing customer and approved developments. The wastewater project will expand capacity of the facility to 1.05 MGD, serving future developments on the westside of the City and easing demand on the existing facility.</p> <p>The Wastewater Treatment Facility expansion will require an upgrade to the water distribution system for fire protection. The watermain was not part of the original wastewater expansion design because the State of Illinois had a pending improvement project at the Illinois Youth Center (IYC). The IYC project would have benefited the City's Wastewater Plant by expanding the City's water system. At this time, the State of Illinois has stalled the IYC project and will not be installing the water main need for fire protection at the Westside Wastewater Plant. As a result, the City will have to expand the water distribution system.</p> <p>The funding source of this project is the Water Pollution Control Loan Program and requires a two-step process for Engineering Procurement based on the qualification's selection. The first step of this process is to issue a Request for Qualifications (RFQ). On March 29, 2019, the City received three (3) RFQ submissions. City staff evaluated the RFQ submittals and ranked the firms based on the standard criteria Trotter and Associates was selected for the designed of the wastewater plant.</p> <p>There is a cost saving benefit of about \$46,000 in using Trotter and Associates for the water main engineering related to the wastewater treatment expansion. Also, using the same engineering firm as the Wastewater Plant Expansion allows the City to easily apply these costs to the IEPA loan program.</p>			
Attachments <i>(please list):</i> <p>* Westside Wastewater Plant Expansion Professional Services Agreement Addendum #1</p>			
Recommendation/Suggested Action <i>(briefly explain):</i> <p>Recommendation to approve Professional Services Agreement Addendum #1 for the Westside Wastewater Treatment Plant Expansion to Trotter and Associates for \$130,800 and a Resolution authorizing the Mayor and Clerk to execute the same on the behalf of the City of St Charles.</p>			

CLIENT Initial _____

TAI Initial _____



**EXHIBIT D
CONTRACT ADDENDUM**

Project Name: West Side WRF Phase III Expansion

Project No. STC130

Addendum No. 1

This is an addendum attached to, made part of and incorporated by reference into the Agreement between CLIENT and ENGINEER for modification of scope and compensation for the PROJECT. All other terms and conditions of the original Agreement between CLIENT and ENGINEER are unchanged by this Contract Addendum and shall remain in full force and effect and shall govern the obligations of both CLIENT and ENGINEER, including obligations created by this Contract Addendum.

The contract modifications are described below:

1. Our services will consist of customary civil engineering and surveying services and related engineering services incidental thereto, described as follows;
 - a. Design, bidding, construction and record drawings of approximately 540 LF of 6" water main, 350 LF of 8" DIP water main and 2,820 LF of 10" DIP water main including 6 fire hydrants and 13 valve vaults.

A fixed fee amount of \$130,800.00 based on the following assumed distribution of compensation:

<u>Design Engineering Phase</u>	<u>\$58,200</u>
Design Engineering Subtotal	\$58,200
<u>Construction Engineering Phase</u>	<u>\$72,600</u>
Construction Engineering Subtotal	\$72,600

CONTRACT SUMMARY

Original Contract Amount	\$2,563,800
Changes Prior to This Change	\$0
Amount of This Change	\$130,800
Revised Contract Amount:	\$2,694,600

For purposes of expediency, ENGINEER and CLIENT agree that an executed electronic version of this Contract Addendum shall suffice. The original of this Contract Addendum shall be returned to ENGINEER after execution.

CLIENT:

ENGINEER:

CITY OF ST. CHARLES

TROTTER AND ASSOCIATES, INC.

SIGNED:

TITLE

TITLE

CLIENT Initial _____

TAI Initial _____



CLIENT Initial _____

TAI Initial _____



This Page Is Intentionally Left Blank

CLIENT Initial _____

TAI Initial _____



EXHIBIT G
WATER MAIN INSTALLATION COST ESTIMATE

WATER MAIN INSTALLATION				
Top Soil Re-spread	1560	Cu. Yd.	\$13	\$20,280
Seeding	1.5	Acre	\$8,000	\$12,000
Erosion Control	1	Lump Sum	\$12,500	\$12,500
Paving (Full Depth) - New	711	Sq Yd	\$50	\$35,550
Stone Subgrade	711	Sq Yd	\$13	\$9,243
Piping				\$0
Fittings	2600	Lbs.	\$10	\$26,000
6" DIP Water Main Removal	535	Lin.Ft.	\$20	\$10,700
8" DIP Water Main	345	Lin.Ft.	\$150	\$51,750
8" Gate Valve and Vault	2	Each	\$5,000	\$10,000
10" DIP Water Main	2823	Lin. Ft.	\$200	\$564,600
10" Gate Valve and Vault	13	Each	\$7,000	\$91,000
Fire Hydrants, Lead, Isolation Valve	6	Each	\$8,500	\$51,000
Utility bedding material/aggregate	1408	Cu. Yd	\$25	\$35,200
Trench Backfill for utilities	533	Cu. Yd	\$25	\$13,325
Total Water Main Installation				\$943,148

This Page Is Intentionally Left Blank

CLIENT Initial _____

TAI Initial _____



EXHIBIT H
WATER MAIN INSTALLATION MANHOUR ESTIMATE

	Principal Engineer	Engineer VI	Engineer V	Engineer III	Engineer II	Sr. Technician	Technician Level IV	Clerical Level III	PLS	Survey Crew Chief	
Final Design	54	65	28	16	20	82	4	8	12	40	329
Construction	28	68	0	87	232	32	0	0	12	32	491
	82	133	28	103	252	114	4	8	24	72	

CLIENT Initial _____

TAI Initial _____



This Page Is Intentionally Left Blank