



CITY OF WASHINGTON, ILLINOIS

City Council Agenda Communication

Meeting Date: November 2nd, 2020

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Agenda Item: Condition Assessment of the Water Distribution System Valves

Explanation: The City has close to 1,440 water supply valves throughout the city. Of these, the city has the size recorded for 1,364 of these. This leaves 73 valves of unknown size. During IEPA's last inspection, they informed the City that their current practice should be to exercise each valve once per year. The city has not been exercising the valves due to a lack of manpower and manual valve turning program.

An initial valve turning program was placed out for bid. The bid requires the contractor to create a GPS layer with sub foot location, valve characteristics, and a surroundings assessment of the valve box. This layer will then be used to help adjust our current GIS data to more accurately display our water system.

The City only received one bid. There were other firms interested, but the minimum qualifications limited submittals. The minimum qualifications will ensure our end product is exactly what staff wants. The single bidder was Wachs Water Services.

Fiscal Impact: \$81,999 to assess the 1,364 valves that we show a size for. We are also looking for an additional 8,000 that will account for the 73 unknown valve diameters that will be priced once diameter is determined.

Staff budgeted \$82,000 in Account # 500-00-510-9000. The additional \$8,000 will come from the savings on the water filter replacement project.

Recommendation/

Committee Discussion Summary: Staff recommends approval of the bid and award this project to Wachs Water Services.

Action Requested: Staff requests that the City Council approve the bid for \$90,000 for the assessment of 1,364 know valves diameters, 73 unknown valve diameters to Wachs Water Services.

Attachment A – Cost**COST SHEET:**

Pricing and quantities are estimates and may be adjusted as is necessary

Item #	Estimated Quantity (A)	Unit	Description of Service	Unit Price \$	Total \$
1	126	Each	4" Valve Assessment & Sub Foot GPS	\$55.00	\$6,930.00
2	327	Each	6" Valve Assessment & Sub Foot GPS	\$60.00	\$19,620.00
3	174	Each	8" Valve Assessment & Sub Foot GPS	\$60.00	\$10,440.00
4	34	Each	10" Valve Assessment & Sub Foot GPS	\$68.00	\$2,312.00
5	31	Each	12" Valve Assessment & Sub Foot GPS	\$70.00	\$2,170.00
6	3	Each	16" Valve Assessment & Sub Foot GPS	\$129.00	\$387.00
7	669	Each	6" Valve Assessment & Sub Foot GPS	\$60.00	\$40,140.00
8	73	Each	Unknown Valve Diameter and Sub Foot GPS, will be billed according to valve size	TBD Size	TBD
9	x	Hour	Hourly Additional Services Rate	\$350.00	TBD
10	x	1	Mobilization	\$0.00	\$0.00
11	x	1	Weekly & Monthly Project Administration	\$0.00	\$0.00
12	x	1	Delivery of Final Database & Reports	\$0.00	\$0.00
			TOTAL ESTIMATED COST		\$81,999.00