



## Agenda Memo

Crest Hill, IL

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<b>Meeting Date:</b>	May 13, 2024
<b>Submitter:</b>	Ronald J Wiedeman
<b>Department:</b>	Engineering
<b>Agenda Item:</b>	Professional Services Proposal for a Facility Condition Assessment Survey and Asset Condition Assessment Report for Wells 1,4,8,9,10,11,12 and East Wastewater Treatment Plant

### Summary:

The Engineering and Public Works Departments are looking to hire a professional engineering firm to perform an evaluation of all of the city wells and the east sewer treatment plant. The facility condition survey and condition assessment report is being requested for consideration by the council to provide a better understanding of the condition of the city's infrastructure as it relates to the wells and East Treatment Plant. With the city going to a Lake Michigan water supply, currently scheduled by 2030, the city wells will still need to be functional now and into the future. After the Lake Michigan water supply is established, the city's wells will be run on a monthly basis per IEPA requirements and will need to be ready in case of an emergency situation.

This facility condition survey and condition assessment report will be a tool that both the Engineering and Public Works Department will use to evaluate what work will be required and when the best time either preform repairs, replace pumps or generators or perform maintenance to the existing structures.

Willett Hofmann & Associates has the professional staff and experience to perform a study like this. Staff would like to use a firm which is new to the city so that a fair and unbiased assessment of your facilities can be performed.

Attached is an agreement from Willett Hofmann & Associates, Inc. located in Joliet to provide these professional assessment and reporting services.

These services will include the following:

- Review city as built drawing and staff to gather relevant information on the condition of each capital asset being assessed.

- Based on information collected and inspections performed, prepare a Water System Conditions Report and a Wastewater System Condition Report.
- Inspect all wells and discuss with water operators past performance and well pump maintenance. During this inspection well pumps will not be taken out of service or removed for visual inspection.
- Inspect the east treatment sewer plant and discuss with sewer operators the treatment process.
- Each Well location will include the following visual inspections of the building structure, filters, high service pumps, chemical feed systems, HVAC system, electrical motor control center and SCADA system. All wells will stay in service during the inspection.
- East Plant Treatment plant will include visual inspections of the building structure, pumps, HVAC system, electrical motor control center and SCADA system. The plant will stay in service during the inspection.
- Collect information on the overall usage, age and breakage history of each specific well location and the east treatment plant.
- Prepare Preliminary cost estimates for recommended improvements.
- Prepare an anticipated asset improvement schedule to allow staff to have a better schedule and plan for recommended improvements.

**Recommended Council Action:** Resolution approving an Agreement for Facility Condition Assessment Survey and Asset Condition Assessment Report for Wells 1,4,8,9,10,11,12 and East Wastewater Treatment Plant by and Between the City of Crest Hill, Will County, Illinois and Willett Hofmann & Associates Inc., Ltd. for an amount of \$99,600.00.

**Financial Impact:**

**Funding Source:** Water Fund

**Budgeted Amount:** \$110,000 (Fiscal Yr. 2025)

**Cost:** \$99,600.00

**Attachments:**

Resolution-Facility Condition Assessment Survey

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