



Lake County Public Works Capital Improvement Programming

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Background

- Each year the department has a list of capital projects programmed for execution.
- The list may include projects from previous years.
- These projects can be at different states:
 - a) Preliminary engineering study
 - b) Design
 - c) Construction
- In addition, there are a few projects that will require engineering assessment to determine the condition of equipment, systems, and various assets.

Workload

- Traditionally the department manages projects totaling in cost from \$2M to \$5M per year.
- CIP program ramping up since 2020 - (\$12M to \$15M) per year.
- With the addition of the ARPA funded projects, the total project cost for this year will be \$35M.
- The funding for ARPA Projects must be obligated by Dec 2024 and fully executed by Dec 2026.
- The goal: getting to the finish line without increasing staffing.

CIP & ARPA Projects

PW FY'24 CIP

- Grandwood Park Water Main Replacement
- North Chicago Interconnect – Meter Pit Rehab
- Countryside Lake – Water main investigation
- Countryside Manor – Water Main Replacement
- Saunders Road – Gravity Main Phase II
- SE Interceptor – Drop Chamber Rehab
- Gages Lake Tower

ARPA Projects

- Des Plaines River WRF –Blower Installation
- Mill Creek WRF - UV Installation
- Des Plaines River WRF – UV Installation
- Des Plaines River WRF - Disc Filters Installation
- Oak Terrace Water System Upgrade
- Highland Lake Water System Upgrade
- Pekara Water System Upgrade
- Antioch Sanitary Sewer System

Contract Vehicles

- **Competitive selection process**
 - 9 contract vehicles
 - Best proposals interviewed
- **Agreement Types:**
 - Task-order design/analysis
 - On-demand consulting services
 - No minimum use
- **Multi-year contracts:**
 - Initial term: 2 years
 - Optional extension: 3 annual renewals



Additional Resources

- **Using Contracts with Engineering Firms to provide assistance.**
- **Services secured through Statement of Interest (SOI)**
- **Selecting consultants based on their specialty and linking their expertise to specific projects:**
 - a) **Staff augmentation**
 - b) **Wastewater collection systems**
 - c) **SCADA**
 - d) **Treatment plant design**
 - e) **Construction Services**
 - f) **Peer review and assessment**

Acquisition Toolbox

On-Demand Consulting



General Engineering
(\$k)

Construction
Management (\$k)

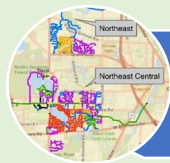


Utility Relocation (\$k)

General Surveying
(\$k)



Task Order Agreements

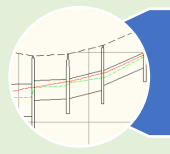
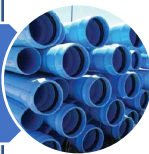


Facility Master Plan
Assessment (\$K)



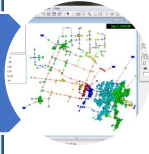
Sewer Facilities Design
(\$k/yr)

SCADA Integration
Design (\$k/yr)



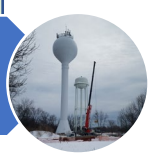
Sewer Modeling/
Analysis (\$k/yr)

Construction Services (\$K)



Sewer Flow
Monitoring (\$k/yr)

Water Tower & Reservoir
Rehab (\$k)





Questions?