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SECTION V
CAPITAL BUDGET

The Capital Improvement Program is the District's plan for the construction, rehabilitation, and modernization of District-owned and operated infrastructure. It includes plans to protect Lake Michigan from pollution, to clean up approximately 532 miles of rivers and streams within the District's jurisdiction to meet federal and state standards, and to reduce the level of flooding which has persistently plagued many municipalities within the District's jurisdiction.

The Capital Budget includes the Construction Fund and the Capital Improvements Bond Fund. To understand the Capital Budget, it is necessary to visualize existing facilities as well as the program for the next year and the long-term plan.

The type of funding for each fund corresponds to the estimated useful life of the project and statutory restrictions on bond sales. The Tax Cap Law imposes restrictions on the non-referendum bonding authority of the District. There are exceptions in the Tax Cap Law to allow non-referendum bonds to be sold to finance certain District projects. Bonds or long-term debt are only utilized to finance projects with useful lives beyond 20 years. Capital projects not eligible for bond financing, or with shorter useful lives, are funded on a pay-as-you-go basis and financed primarily by property taxes. The Capital Improvements Bond Fund receives most of its resources from bond sales, State Revolving Fund loans, and federal and state grants. It provides for major plant and sewer construction, flood control facilities, and land acquisition. The Construction Fund is financed primarily through a property tax levy and provides for much of the District's infrastructure rehabilitation and modernization.

The narrative discussion of the District's 2026 Capital Improvement Program places the 2026 program within the context of our long-range plan. Information is provided on the levels of funding in 2026 and in the future. The graphs, charts, figures, and descriptions of the Construction Fund and Capital Improvements Bond Fund Program within this section aid the reader in understanding this component of the Budget. The impact on operating costs associated with capital projects scheduled for award in 2026 is presented in the Capital Improvement Program narrative.

Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312.751.5600

September 12, 2025

Mr. John P. Murray
Acting Executive Director
O F F I C E

Dear Sir:

Subject: 2026 Program for the Capital Funds

The Capital Funds' program for 2026, as prepared in detail, is transmitted herewith. The budget presentation supports the request for funding of the District's 2026 Capital Plan initiatives in alignment with and in support of the Strategic Plan. The budget requests include all amendments as directed by you during the Executive Director Budget Hearings in August of this year.

The narrative by fund provides a summary of the 2026 major initiatives and challenges and 2025 accomplishments. Supporting schedules of objectives and performance present three years of detailed budgetary information.

Thank you for the opportunity to present the proposed Capital Funds budget for 2026.

Respectfully submitted,

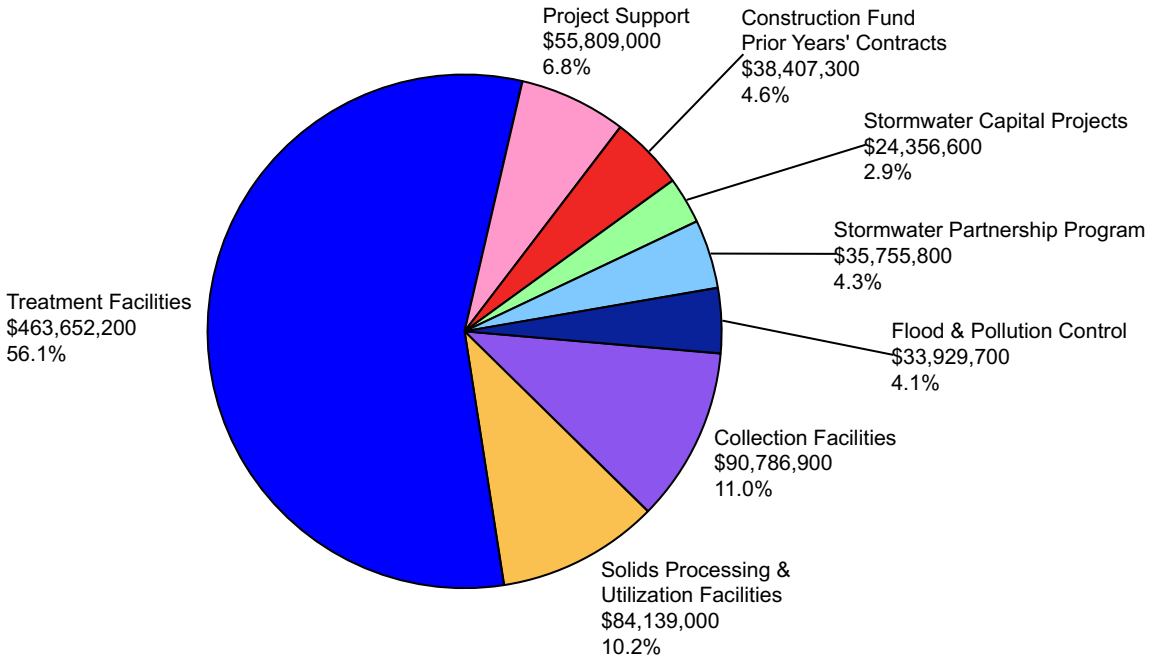
Catherine A. O'Connor
Director of Engineering

Pinakin Desai
Acting Director of Maintenance & Operations

Edward W. Podczerwinski
Director of Monitoring & Research

CAPITAL IMPROVEMENT PROGRAM
PROGRAMS

2026	$826,836,500
2025	$744,827,400
Increase	$82,009,100



The District utilizes the Construction, Stormwater Management, and Capital Improvements Bond Funds for the Capital Improvement Program. Capital improvements comprise all new facilities and projects that preserve the useful life of District facilities or increase the capacity or efficiency of these facilities. The project support activities of the Construction, Stormwater Management, and Capital Improvements Bond Funds consist of planning, designing, and constructing District infrastructure, acting as a liaison to the United States Environmental Protection Agency and the Illinois Environmental Protection Agency. Funding for capital projects includes pay-as-you-go funding in the Construction and Stormwater Management Funds, federal and state grants, state revolving loan programs for wastewater and stormwater, and alternate revenue and general obligation bonds.

Budget Highlights

The 2026 appropriation for the Capital Improvement Program is $826,836,500, an increase of $82,009,100, or 11.0 percent, from 2025 due to the timing of project awards scheduled for 2026. A total of 175 projects funded by the Construction, Stormwater Management, or Capital Improvements Bond Funds will be under planning, design, or construction in 2026.

The mission of the Capital Improvement Program is to plan, develop, and implement projects for new facilities, preserve the useful life of facilities, or increase the capacity or efficiency of facilities to ensure that the District complies with our statutory responsibilities in the areas of sewage treatment and pollution control.

Capital Improvement Program Policy

The District's Capital Improvement Program consists of those projects identified as necessary to ensure safe and uninterrupted operation of our facilities, meet existing and new statutory and regulatory requirements, and maintain efficiency in a cost-effective manner. Projects are identified based on asset management audits, Governmental Accounting Standards Board Statement 34 inspections, and need, such as regulatory requirements or long-term strategic planning. Following identification, projects must be justified and vetted by an interdepartmental review panel. Projects are prioritized using an evaluation and scoring system that values preservation of infrastructure, improvements to environmental quality, and commitment to community. Projects are added to the Capital Improvement Program and scheduled for award according to priority and resource availability after they have been through the review panel.

Governmental Accounting Standards Board Statement 34 became effective in 2003. By adopting the modified approach for reporting infrastructure assets, the District agrees to perform condition assessments of our facilities, establish service levels for our infrastructure, and appropriate funds to maintain these high standards, thus protecting the environment and avoiding the detrimental impacts of deferred maintenance. The results of these assessments are reported in the Annual Comprehensive Financial Report.

Beneficial Impacts of Capital Projects

Through proper operation, maintenance, rehabilitation, and replacement of equipment and facilities, the District ensures continuous efficient and reliable service, protects our investment and infrastructure, and meets National Pollutant Discharge Elimination System permit requirements. The Capital Improvement Program identifies and prioritizes projects to upgrade and modernize obsolete equipment and facilities.

Program Funding

Sources of funding for the Capital Improvement Program consist of capital improvements bond sales, general property tax revenues, State Revolving Fund (SRF) loans, and federal grants and reimbursements. The District is also evaluating additional low-cost funding options including financing through the United States Environmental Protection Agency (EPA) Water Infrastructure Finance and Innovation Act (WIFIA) loan program. The table below shows the anticipated method of financing for projects scheduled to be awarded in fiscal years 2026-2030.

Method of Financing for Projects Scheduled to be Awarded in Fiscal Years 2026-2030 (in thousands)

	State Revolving Fund Loans	General Obligation Bonds	Grants & Reimbursements	Pay-As-You-Go	Total
Tunnel and Reservoir Plan	$ 25,000	$ 55,250	$ —	$ 11,630	$ 91,880
Water Reclamation Plant Expansion and Improvements	44,000	338,050	—	34,862	416,912
Solids Management	10,000	133,500	—	13,020	156,520
Collection Facilities	—	211,500	—	12,437	223,937
Replacement of Facilities	—	181,098	—	49,925	231,023
Stormwater	—	—	88,611	76,676	165,287
Total	$ 79,000	$ 919,398	$ 88,611	$ 198,550	$ 1,285,559

Construction Fund

The Construction Fund is a property tax supported, pay-as-you-go capital fund authorized by State Statute, which provides for the acquisition of infrastructure assets or the rehabilitation of existing structures that increase the efficiency or extend the useful life of the structure. The useful life of the improvement is at least 15 years and project values are generally less than $3.0 million. Section 12 of "An act to create sanitary districts and to remove obstructions in the Des Plaines and Illinois Rivers," approved May 29, 1889, as amended, provides that the Board of Commissioners of the District can levy and collect taxes for construction purposes for the year 1985 and each year thereafter, which shall be at a rate not to exceed 0.10 percent of the assessed valuation of all taxable property within the District as equalized and determined for state and local taxes. In addition to the tax levy, the District plans to allocate $9.7 million in Personal Property Replacement Tax revenue to the Construction Fund in 2026 and $10.0 million each year from 2027 to 2030 to finance small capital projects on a pay-as-you-go basis. In 2026, the Construction Fund has 22 projects scheduled for award and 16 existing projects under construction.

Stormwater Management Fund

The Stormwater Management Fund is a property tax supported fund utilized to plan, implement, and finance stormwater management activities throughout Cook County, including stream maintenance in areas that currently lie outside the District's boundaries. The fund consolidates the District's stormwater management activities and supports the activities outlined in the Cook County Stormwater Management Plan, which serves as a framework for the District's countywide Stormwater Management Program. One of the initial goals of the Stormwater Management Program was to develop detailed watershed plans for each of the watersheds in Cook County. The detailed watershed plans identified and prioritized "regional" stormwater projects based on a benefit to cost ratio. These include streambank stabilization projects, which involve addressing critical active streambank erosion threatening public safety, structures, and/or infrastructure, or flood control projects. The Board of Commissioners has approved over 30 regional projects for design and construction.

Capital Improvements Bond Fund

The MWRD enabling statute (70 ILCS 2605) provides that the Board of Commissioners of the District is authorized to issue bonds for District purposes. The District issues bonds to provide funds to replace, remodel, complete, alter, construct, and enlarge sewage treatment or flood control facilities, to acquire air pollution control equipment, and to build or acquire sewers. The total allowable bond debt at any given time cannot exceed 3.35 percent of the last known equalized assessed valuation of all taxable property within the District. The ordinance authorizing the issuance of the bonds provides for the levy of a tax on all taxable property within the District adequate to pay principal and interest on the bonds when due, including a provision for loss in the collection of taxes.

Tax Cap laws enacted in Illinois have a significant impact on the funding of the District's Capital Improvement Program through bond sales. Under Public Act 89-0001, the District's non-referendum bond authority is restricted to fund only projects initiated prior to October 1, 1991, which generally covers only Tunnel and Reservoir Plan (TARP) projects. However, Public Act 89-0385 provided additional non-referendum authority to the District by authorizing the issuance of "limited bonds." These "limited bonds" allow the District to issue non-referendum debt for projects initiated after October 1, 1991. "Limited bonds" can be issued up to the debt service extension base established by the Act. This "limited bond" authority was expanded for the District by passage of Public Act 90-0485 in the 1997 legislative session. This Act excludes debt associated with the TARP program from the "limited bond" limitation. The use of general obligation and alternate revenue bonds comprises only a portion of the District's capital project financing.

Loans Programs

Low-interest SRF loans are an integral part of the District's capital improvements financing. SRF revenues are based on the award and construction schedule of specific projects, and funding is contingent upon how active other communities are in the program. In recent years, incentives such as principal forgiveness and reduced interest rates for disadvantaged and small communities have expanded participation in the program. Additionally, since 2021, available SRF funding has been reduced due to earmarks appropriated by Congress for projects at the community level. It is estimated that the District will receive approximately $50.0 million annually in SRF loans for the next several years, which is a decrease from previous years. The District is also evaluating funding options through the EPA's WIFIA loan program to maximize taxpayer value.

Operating Cost Impacts of Capital Improvement Projects

The annual maintenance and/or operating costs associated with new capital projects provide an important part of the decision-making process for the selection of capital projects. The operating cost impacts of proposed capital projects are analyzed by design personnel, as well as operating staff, in order to implement a Capital Improvement Program that meets operating needs in the most cost-effective manner. For example, the Mainstream TARP pump rehabilitation project, currently under construction and scheduled for completion in 2027, will increase energy efficiency. This project includes the rehabilitation of Mainstream TARP Pumps 1, 3, and 5, initially placed into service in 1985, including the rehabilitation of associated motors and discharge cone valves and actuators. Capital projects also serve as opportunities to evaluate new technology at one location and assess whether implementing that technology will reduce operating costs at other locations throughout the District. For example, in 2024 the District began installation of a biogas combined heat and power (CHP) system at the Egan Water Reclamation Plant (WRP), which will maximize the utilization of biogas throughout the year. Currently, the District uses biogas for heating, but during warmer months biogas is not fully utilized. The CHP project will provide an opportunity for assessment of the technology and its viability for production of electricity, analysis of options for pre-digestion treatment to increase biogas production, and a review of the financial return on investment, carbon offsets, and market risks. The District is also replacing three existing dual fuel boilers at the Stickney WRP with new co-firing boilers. The co-firing feature of these new boilers will help to reduce overall fuel energy consumption. Operating impacts for each project are included on the individual project fact sheets.

Phosphorus Removal Projects

In the coming years, the District will be required to comply with more stringent phosphorus effluent limits prescribed by the National Pollutant Discharge Elimination System permits for each of the water reclamation plants. Table 1 below provides planned project awards for the fiscal years 2025-2030 which will be necessary to comply with the phosphorus effluent limits as shown in Table 2. There are currently no projects scheduled for award in 2027, 2029, and 2030.

The District's approach to compliance with phosphorus effluent limits has been to maximize phosphorus uptake in the biological process and, where appropriate, within the existing plant footprint. The District's commitment to pursuing the biological process includes providing environmental benefits - the phosphorus remains biologically available for future recovery and use as a fertilizer such as struvite, and in biosolids, which would not occur with chemical precipitation where the phosphorus is tightly bound and not readily bio-available.

Table 1: Planned Phosphorus Removal Project Awards for the Fiscal Years 2025-2030 (in thousands)

Project Name	Project Number	2025	2026	2027	2028	2029	2030
Chemical Addition Backup System, KWRP	19-375-3P	$ 5,398					
Chemical Phosphorus Removal, OWRP	20-087-3P	14,226					
Battery E Activated Sludge Facility, OWRP	21-092-3P		$ 325,005				
Electrical Power Distribution and Phosphorus Removal Improvements, KWRP	23-379-3E		23,483				
Phosphorus Removal, EWRP	19-415-3P				$ 30,000		
	Total	$ 19,624	$ 348,488	$ —	$ 30,000	$ —	$ —

Stickney WRP

Phosphorus removal efforts at the Stickney WRP have been underway since 2011 with research, pilot testing, and subsequent infrastructure improvements. With past construction projects and favorable influent conditions, efforts to remove phosphorus with a biological process have been extremely successful using existing infrastructure. No plant expansion was necessary to meet the effluent limits for phosphorus. To manage occasional biological phosphorus removal challenges, a temporary chemical dosing system was constructed and placed in service in 2021. Mechanical mixers were installed in Batteries A, C, and D, and a construction project to install mechanical mixers in Battery B is currently underway. The Ostara® Nutrient Recovery Facility produces a phosphorus and nitrogen-rich fertilizer. This process, while returning a limited resource to the economy, also helps to stabilize the biological process to remove phosphorus, thereby contributing to WRP compliance. However, in order to ensure permit compliance under all foreseeable conditions, a permanent chemical addition backup system is also being installed. Construction on this backup system began in 2022 and is scheduled to be completed in 2025.

Calumet WRP

Phosphorus removal efforts at the Calumet WRP have shown that either additional carbon to supplement the biological process or chemical addition is necessary. The construction of a chemical phosphorus removal facility was completed in order to meet the Calumet WRP's effluent phosphorus limit of 1.0 mg/L which took effect in 2024. The chemical cost to remove phosphorus at the Calumet WRP is estimated to be $10.3 million annually. The District remains committed to pursuing biological means to remove phosphorus. The District completed a successful sidestream enhanced biological phosphorus removal pilot study in January 2022 and completed an engineering evaluation based on the data collected to determine what modifications can be installed to most sustainably remove phosphorus from the effluent flows. The study revealed that significant capital investment is required to support a biological process. Currently, the District is in the process of implementing source control to reduce the phosphorus loads at the Calumet WRP and reduce treatment costs.

O'Brien WRP

At the O'Brien WRP, there are several projects in planning and/or design necessary to meet the upcoming phosphorus limits, as well as upgrades to the aeration batteries that originally commenced service in 1928. The first project, Phosphorus Removal Modifications to Battery D, OWRP, was awarded mid-year 2023 and is scheduled to be completed in 2026. This project includes installation of a sidestream fermentation zone and ancillary infrastructure to support enhanced biological phosphorus removal. Also in 2026, the Battery E Activated Sludge Facility project is scheduled to be awarded with a four-year construction schedule. This new aeration battery is designed with biological phosphorus removal capability and will provide treatment capacity for the plant at the times the balance of the nearly 100-year old aeration batteries are rehabilitated and configured for enhanced biological phosphorus removal. In simultaneous, phased projects, the remaining aeration batteries will be upgraded to support biological phosphorus removal beginning in 2031. Phase I upgrades to Battery C includes similar biological phosphorus removal infrastructure, as well as influent gate replacement, removal of the center walls, installation of a new aeration system

and improved sludge returning to increase efficiency, and replacement of deteriorating century old concrete. Phase II of this project will mimic the Battery C improvements in Battery B. Finally, the installation of a chemical backup system, which was awarded in 2025, will ensure permit compliance when the phosphorus level of the effluent will be 1.0 mg/L or lower by August 2027 and 0.5 mg/L by January 2030. There will be additional improvements to the biological process to Batteries B and C, as parts of larger rehabilitation projects, in 2031 and 2034, respectively.

Table 2: Effluent Phosphorus Permit Schedule

Water Reclamation Plant	Effluent Phosphorus Limit	Permit Timeframe
Stickney WRP	1.0 mg/L 0.5 mg/L	2021 (Permit active) January 2030
Calumet WRP	1.0 mg/L 0.5 mg/L	2024 (Permit active) January 2030
O'Brien WRP	1.0 mg/L 0.5 mg/L	August 2027 January 2030
Kirie WRP	1.0 mg/L 0.5 mg/L	August 2026 January 2030
Egan WRP	1.0 mg/L	January 2031 or 2032 depending on method
Hanover Park WRP	1.0 mg/L	May 2031 or 2032 depending on method
Lemont WRP	1.0 mg/L 0.5 mg/L	To be determined January 2030

Kirie, Egan, and Hanover Park WRPs

The Kirie WRP has successfully implemented biological phosphorus removal through the use of existing infrastructure and temporary measures such as baffle walls and return sludge pumps. While the Kirie WRP is currently removing phosphorus, a more permanent system is still required in order to ensure continued permit compliance. A project to install a backup chemical system to enhance the stability of the biological phosphorus removal process was awarded in 2025 and a project to improve biological phosphorus removal is anticipated to be awarded in 2026. As a participant in the DuPage River Salt Creek Watershed workgroup, the new phosphorus permit limit for the Egan and Hanover Park WRPs is further in the future. The District, however, is prepared to construct the necessary phosphorus removal facilities for the Egan and Hanover Park WRPs and complete the modernization and reconfiguration of the last aeration battery at the O'Brien WRP in the coming years. Small scale pilots are currently underway at the Egan and Hanover Park WRPs to assist with determining the best methods to achieve permit required phosphorus reductions. Depending on the outcome of these pilots, a temporary configuration may be constructed at one or both WRPs and information learned from these studies will guide decisions on the required modifications to the facilities. A project for phosphorus removal modifications at the Egan WRP is anticipated to begin in 2028, with Hanover Park to follow, depending on the method required.

Overall Capital Improvement Program Costs

The District's 2026 Capital Improvement Program includes 2026 project awards, program support, and projects under construction at award value with a total estimated cost of approximately $1,467.5 million. A breakdown of these projects (in millions of dollars) is as follows:

2026 project awards	$ 735.4
2026 program support (project support and land acquisition)	55.8
Projects currently under construction (award value)	676.3
Total	$ 1,467.5

- A breakdown of projects scheduled for 2026 award by fund is as follows:

Construction Fund projects	$ 36.3
Capital Improvements Bond Fund projects	638.7
Stormwater Management Fund projects	60.4
Total	$ 735.4

- A breakdown of projects under construction (award value) by fund is as follows:

Construction Fund projects	$ 74.7
Capital Improvements Bond Fund projects	469.2
Stormwater Management Fund projects	132.4
Total	$ 676.3

The table on the next page shows the 10-year construction cost projections for the Capital Improvement Program, including Stormwater Management capital projects.

10-YEAR CAPITAL IMPROVEMENT PROGRAM SUMMARY
2021 - 2030 CAPITAL PROJECT CONSTRUCTION COST

	ACTUAL CASH DISBURSEMENTS					ESTIMATED CASH DISBURSEMENTS					TOTAL
	2021	2022	2023	2024	2025*	2026	2027	2028	2029	2030	2021-2030
BY CATEGORY											
Water Reclamation Plants and Solids Management	$ 46.2	$ 27.5	$ 58.3	$ 49.4	$ 81.8	$ 94.9	$ 163.5	$ 206.4	$ 189.6	$ 61.4	$ 978.9
Replacement of Facilities	$ 2.4	$ 4.4	$ 10.6	$ 32.3	$ 37.8	$ 65.0	$ 70.0	$ 49.0	$ 11.5	$ 4.8	$ 287.9
Collection Facilities	$ 0.1	$ 0.2	$ 2.8	$ 27.0	$ 80.9	$ 97.7	$ 82.2	$ 43.1	$ 36.8	$ 36.7	$ 407.6
Stormwater Management	$ 41.7	$ 30.0	$ 38.0	$ 74.4	$ 91.7	$ 59.1	$ 62.4	$ 66.4	$ 71.9	$ 68.6	$ 604.2
Tunnel and Reservoir Plan	$ 7.2	$ 31.3	$ 17.9	$ 10.3	$ 9.7	$ 11.1	$ 17.6	$ 1.4	$ 13.0	$ 11.9	$ 131.5
TOTAL	$ 97.5	$ 93.4	$ 127.7	$ 193.3	$ 301.9	$ 327.9	$ 395.7	$ 366.3	$ 322.9	$ 183.4	$ 2,410.1
BY FUND											
Stormwater Management Fund	$ 21.9	$ 23.6	$ 31.4	$ 65.7	$ 90.4	$ 59.1	$ 62.4	$ 66.4	$ 71.9	$ 68.6	$ 561.4
Construction Fund	$ 7.2	$ 6.5	$ 21.9	$ 21.8	$ 25.0	$ 36.5	$ 27.8	$ 28.5	$ 23.0	$ 20.8	$ 219.1
Capital Improvements Bond Fund	$ 68.3	$ 63.3	$ 74.4	$ 105.9	$ 186.5	$ 232.3	$ 305.5	$ 271.4	$ 228.0	$ 94.0	$ 1,629.6
TOTAL	$ 97.5	$ 93.4	$ 127.7	$ 193.3	$ 301.9	$ 327.9	$ 395.7	$ 366.3	$ 322.9	$ 183.4	$ 2,410.1

Notes:
1. All project costs are in millions of dollars.
2. Summary includes project construction costs.
3. Information regarding the distribution of funds between the sub-items in the Construction and Capital Improvements Bond Funds can be found in the Five-Year Financial Forecast.
4. Amounts are rounded.

* PROJECTED CASH DISBURSEMENTS

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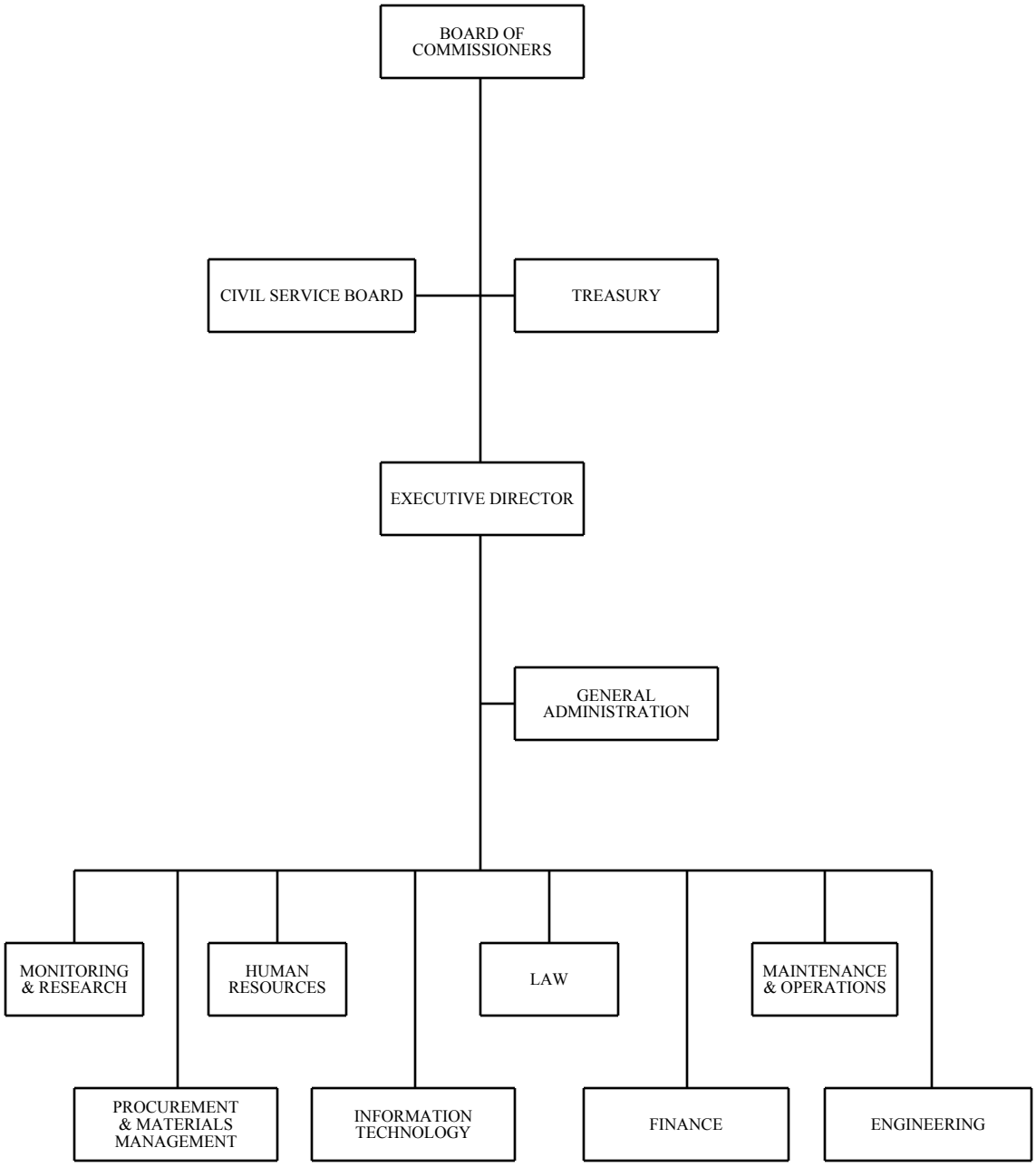


CONSTRUCTION FUND

Fund Summary

The Construction Fund provides for the acquisition of infrastructure assets or the rehabilitation of existing structures that increase the efficiency or extend the useful life of the structure. The useful life of the improvement is at least 15 years and the values are generally less than $3.0 million. The Construction Fund is a pay-as-you-go capital fund and is funded primarily by property taxes. Recognizing the need to invest in modernizing aging infrastructure, the District allocated $16.6 million in Personal Property Replacement Tax revenue to the Construction Fund in 2025, and plans to allocate $9.7 million in 2026 and $10.0 million each year from 2027 to 2030 to finance small capital projects on a pay-as-you-go basis.

Summary of 2025 Major Accomplishments

- Designed and awarded a project to install three new roofing systems at the Egan WRP. Roofs are important physical components of a WRP's infrastructure as they provide protection, structural integrity, and energy efficiency;
- Made improvements at the SEPA No. 3 Aeration Station, including the installation of a ramp and handrails, both compliant with the Americans with Disabilities Act, fencing, and a vehicle path. The changes will add to the safety and aesthetics of a site enjoyed by the public;
- Designed and advertised a project to improve the HVAC equipment that services the Ultraviolet Disinfection Building and the Primary Switchgear Building at the O'Brien WRP;
- Began replacing the traveling bridges in the aerated grit tanks at the Calumet WRP with shaftless screw conveyors, which excel at conveying materials that are prone to clogging, such as screenings and grit. Shaftless screws can operate at lower speeds with a greater conveying capacity, resulting in increased efficiency and reduced energy consumption;
- Initiated a project to replace sludge and scum pumps at the Calumet and Egan WRPs. Sludge pumps typically handle settled solids, while scum pumps manage floating materials like grease and oil. These pumps are important due to their ability to prevent clogs or disruptions in the wastewater treatment process;
- Rehabilitated the final clarifier algae removal system at the Kirie WRP to maintain proper clarifier function. Final clarifiers are essential equipment as they separate the remaining solids from the treated wastewater after biological treatment;
- Initiated a project to restore the permeable paver parking lot at the Egan WRP. Permeable pavements can be used to manage stormwater runoff, reducing the strain on the sewer system and potentially improving water quality;
- Awarded a project to furnish, deliver, and install a chiller at the Main Office Building. Water and electrical energy usage levels are expected to decrease significantly due to the new model's higher efficiency and the automated controls;
- Designed a project to restore railroad cars used to transport biosolids from the Stickney WRP to solids management areas;
- Restored the main switchgear, which controls electrical equipment, in the digester facility at the Calumet WRP;
- Began upgrading the HVAC control systems at the Stickney, Calumet, and Egan WRPs. These controls regulate and manage the operation of heating, ventilation, and air conditioning equipment and ensure that the desired indoor temperature, humidity, and air quality are maintained;
- Continued to improve the centrifuges at the Stickney WRP. Centrifuges are used to thicken and dewater wastewater solids, a process that reduces the volume of residuals, improves operations, and reduces costs for subsequent storage, processing, transfer, end use, or disposal;
- Awarded a project to construct a public safety waterway barrier system at the tailrace of the Lockport Powerhouse to prevent boaters from traveling or drifting towards the downstream side of the powerhouse during generator and pit gate operations;
- Began installing new truck scales and appurtenances at the Calumet and Stickney biosolids management sites. The scales, needed to weigh incoming and outgoing biosolids, are critical assets of the Biosolids Management Program;
- Initiated the restoration of the cascading stairs at the Nicholas J. Melas Centennial Fountain, a Chicago landmark that was built in 1989 to commemorate the 100th anniversary of the District. The fountain serves as a reminder of the District's longstanding environmental advocacy;
- Replaced the catwalk in the Process Control Building at the O'Brien WRP;
- Rehabilitated the digester covers in the North Service Area. Digesters, used to treat wastewater solids, are subject to the deterioration that occurs in a harsh operating environment;
- Continued to inspect, rehabilitate, and overhaul blowers at the Stickney WRP. The blowers are an integral component of the aeration system, critical for transferring air to the biological treatment process;
- Implemented mechanical process improvements in the North and Stickney Service Areas. The reduction in equipment failures, downtime, and maintenance costs provided by these modifications are hallmarks of a strong asset management program;
- Awarded a contract to develop and execute a full-scale inspection of the existing Mainstream deep tunnel, from drop shaft DS-M114N to construction shaft CS-ADD, utilizing remote technology to document the tunnel's condition;
- Made substantial progress in the contract to assist the District with modernizing the biosolids management facilities for the Stickney WRP. The purpose of the contract is to explore opportunities to recover, reuse, and monetize resources from the District's biosolids operations and assist with generating bid documents. It is expected to be completed in 2026.

2026 Appropriation

The 2026 appropriation for the Construction Fund is $73,017,600, a decrease of $10,126,000, or 12.2 percent, from 2025. For the 2026 budget, in addition to the tax levy and existing assets appropriable, which are generally the primary sources of funding, an additional $9.7 million will be allocated from the Personal Property Replacement Tax. The 2026 value of the Construction Fund Program includes $26.7 million for projects scheduled for award in 2026 and $38.4 million for projects under construction. An additional $7.9 million is appropriated for purposes not specifically associated with listed project costs, such as professional engineering services for capital project design, and initiatives in support of the District's Strategic Plan, including energy conservation and neutrality, and process master planning. There are no staff positions budgeted in the Construction Fund.

2026 Budget Highlights

The following budget highlights support the District's Strategic Plan Goal of Resource Management, defined as maintaining a high level of performance while fulfilling the District's core mission of protecting the public health and area waterways and pursuing opportunities to recover and reuse resources. The initiatives described below exemplify the District's goal of maintaining and operating its facilities and assets to provide a high standard of service.

Design and maintain a Capital Improvement Program that emphasizes preserving and improving assets for optimal performance, long-term sustainability, and equitable and consistent service delivery

- Design and execute projects with the purpose of providing valuable equipment redundancies, preventing system disruptions, and maximizing equipment uptime for permit compliance;
- Carefully assess external factors, such as stakeholder priorities, environmental conditions, economic factors, and legal regulations, when planning for capital infrastructure needs;
- Allocate resources to ensure that the operating capacity of the District's assets is maintained at a high level. In 2026, the District will oversee 22 new and 16 existing Construction Fund projects related to the core programs and functions of collection, treatment, solids processing and utilization, and flood and pollution control. An additional 32 projects are under development and should be awarded over the five-year planning cycle;
- Fund, design, and execute a District-wide, multi-year program to replace failing roofs and pavement. The next phase of the roof replacement project includes the proposed installation of a new green roof at the East Scale House in the Calumet Solids Management Area, with an estimated rainwater capture volume of approximately 1,000 gallons. The green roof's soil layer is expected to insulate the roof from heat, resulting in an estimated 25 percent decrease in energy usage for cooling. Improving critical infrastructure, like roofs and pavement, contributes to organizational resiliency;
- Complete the project to develop a strategy for a new biosolids management facility at the Stickney WRP. This long-term strategy, 2030 and beyond, will be developed with resiliency in mind; it will be adopted for its ability to resist or adapt to external regulatory, economic, environmental, and social challenges;
- Continue to pursue research programs focused on addressing impending or anticipated future regulatory actions, achieving energy savings and resource recovery, and driving innovation, all of which are success measures of Resource Management;
- Complete the inspection of the existing Mainstream deep tunnel, from drop shaft DS-M114N to construction shaft CS-ADD, utilizing remote technology. The data collected will be used to evaluate methods for future tunnel inspections.

Pursue resource recovery opportunities to increase sustainability, recover costs, and improve functionality in the face of a changing environment

- Complete the installation of a biogas combined heat and power system at the Egan WRP, which will provide a first-hand opportunity to assess and examine the technology and its potential for electricity generation, analyze options for pre-digestion treatment to increase biogas production, and evaluate the return on investment, carbon offsets, and market risks. The biogas-to-energy system is an efficient approach to generating electricity from biogas (a byproduct of the wastewater treatment process) at the point of use. Instead of flaring the biogas and wasting its energy potential, it will be used to recover heat and produce electricity. Extracting the value from biogas is a prime example of what can be recovered and ultimately achieved with a wastewater treatment process that incorporates smart designs and systems. It is anticipated that the system will be commissioned for operational testing in July 2026 and will be fully operational, producing electricity and recovering heating later in 2026.

Actively pursue innovative solutions

- Conduct a pilot test for a dewatering system at the Calumet WRP's east biosolids drying sites. The system, which will be situated in the lagoons, consists of a series of rigid steel support frames that are lined with high-tech filter fabric. Sediments are collected in what is effectively a pool. The captured effluent water filters through the fabric via natural settling and gravity. Once the pool is dry, the solids can be removed. The test is being conducted due to the Chicago Transit Authority's Red Line extension project, which will limit access to the drying sites, requiring changes to the current operation. The system will be evaluated for its comparative cost, scalability, suitability, and versatility.

Construction Fund Program

Awards in 2026

Project Name	Project Number	Est. Construction Cost	2026 Appropriation	Duration (days)	Est. Award Date
HVAC Improvements to UV Building and Switchgear Building, OWRP	22-093-2M	$ 2,747	$ 2,013	547	Jan 2026
Raw Sewage Discharge Pipe Support Modifications for Pumps 1-3, KWRP, Rebid	22-377-2DR	8,730	4,887	693	Jan 2026
Medium Voltage Drive OEM Rehabilitation, Various Locations	26-623-21	1,100	800	699	Jan 2026
Furnish, Deliver, and Install 480V Power Feeds to Aeration Batteries A, B, and C, CWRP	J68823-001	1,000	500	699	Jan 2026
Utility Tunnel Waterproofing, HPWRP	26-721-21	250	250	211	Feb 2026
Exhaust Fan System Replacements, NSA	J67795-016	300	300	333	Feb 2026
Roof Replacement and Rehabilitation, Various Locations	25-612-21	4,100	4,000	410	Mar 2026
Rehabilitate Two Electric Motors, SWRP and KWRP	25-643-21	1,000	800	640	Mar 2026
Pump and Blower Building Floor Modifications, CWRP	J68843-032	672	332	152	Mar 2026
Remove and Replace Pavement, Various Locations	25-651-21	3,450	2,744	639	Apr 2026
Land Grading and Surface Rehabilitation, CSA	26-840-21	705	705	90	Apr 2026
Permeable Pavement Restoration, SWRP	26-921-21	200	200	274	Apr 2026
Walters Road Pumping Station Wet Well Rehabilitation, NSA	J67743-013	150	150	274	Apr 2026
Roof Replacement of Building 29, CWRP	J68843-033	408	408	60	Apr 2026
Roof Replacement and Rehabilitation, Various Locations	26-999-21	5,000	5,000	244	May 2026
Fox River Water Reclamation District (FRWRD) Operations and Maintenance Building Replacement	21-IGA-21	1,765	506	398	Jun 2026
Elevator Modernization and Rehabilitation, CWRP and MSPS	26-614-21	2,150	650	548	Jun 2026
Rehabilitation of Lockport Controlling Works Gate No. 2, SSA	26-629-21	130	130	213	Jun 2026
Modify Air Vent Elevation, DS-M13, SSA	J66679-002	350	350	213	Jun 2026
Calumet Union Ditch Wing Wall and Bank Restoration, CSA	25-680-21	350	175	548	Jul 2026
Fire Suppression System for Generators, LPH	26-607-21	425	425	183	Jul 2026
Furnish, Deliver, and Install GeoPool Dewatering System, CSA	26-850-21	1,365	1,365	61	Jul 2026
Total 2026 Awards		$ 36,346	$ 26,690		

Projects Under Construction

Project Name	Project Number	Est. Construction Cost	2026 Appropriation	Duration (days)	Award Date
Biogas Combined Heat and Power System, EWRP	20-415-2S	$ 10,668	$ 4,468	849	Jan 2024
Biosolids Management Strategy, SWRP	23-RFP-19	1,500	250	903	Jul 2024
Replacement of Telemetry, Various Locations	20-861-2E	3,154	303	561	Sep 2024
Mechanical Process Improvements, Various Locations	24-601-21	17,859	8,500	1,105	Nov 2024
Centrifuge Rehabilitation, SWRP	24-902-21	3,900	1,300	1,095	Dec 2024
Building Management System Improvements, CWRP and EWRP	25-629-21	3,092	2,000	888	Jun 2025
Centrifuge Improvements, SWRP	22-903-22	5,450	2,550	897	Jul 2025
Truck Scale Replacement, Various Locations	24-695-22	809	350	730	Jul 2025
Fox River Water Reclamation District (FRWRD) Albin D. Pagorski WRP Bar Screens	23-IGA-35	2,938	2,436	420	Oct 2025
Furnish, Deliver, and Install One Chiller, Main Office Building	25-404-21	700	350	455	Oct 2025
Sludge Pump Improvements, Various Locations	25-624-21	6,850	5,960	588	Oct 2025
Underground Storage Tank Improvements, Various Locations	22-602-21	1,050	850	760	Nov 2025
SEPA No. 3 Paver Walkway Improvement, CSA	25-635-21	200	200	223	Nov 2025
Specialized Railroad Car Rehabilitation, SSA	25-922-21	1,900	1,400	771	Nov 2025
Rehabilitate Aeration Blowers, SWRP	24-908-21	3,800	1,700	1,096	Dec 2025
Furnish, Deliver, and Install Grit Screw Conveyors, CWRP	25-821-21	10,800	5,790	1,096	Dec 2025
		$ 74,669	$ 38,407		

Projects Under Development

Project Name	Project Number	Est. Construction Cost	2026 Appropriation	Duration (days)	Est. Award Date
Gate Control Equipment Upgrade at TARP Control Structures, KWRP, NSA	06-358-2M	$ 3,000	$ —	553	Jan 2027
6th Street Construction and Utility Tunnel Rehabilitation and Various Roof Replacements, CWRP	19-257-2D	5,000	—	323	Jan 2027
Rehabilitation of Gap Dam at Thornton Reservoir, CSA	25-281-2H	500	—	352	Jan 2027
Building Splash Guard, LPH	26-610-21	2,000	—	364	Jan 2027
Furnish, Deliver, and Install New Digital Governors, LPH	26-628-21	4,887	—	517	Jan 2027
Low-Water Crossing Removal, LPH	27-615-21	800	—	333	Jan 2027
Furnish, Deliver, and Install Grinder at the Palos Hills Pumping Station, CSA	27-828-21	250	—	364	Jan 2027
Lighting Improvements, CSA	J68823-003	500	—	334	Jan 2027
Odor Control System Rehabilitation, HPWRP	27-722-21	1,500	—	333	Feb 2027
Fox River Water Reclamation District (FRWRD) Plantwide Electrical Improvements	23-IGA-36	8,643	—	1,022	Mar 2027
Fox River Water Reclamation District (FRWRD) Structure 10 New Ferric Chloride System	25-IGA-20	1,276	—	1,022	Mar 2027

Projects Under Development (continued)

Project Name	Project Number	Est. Construction Cost	2026 Appropriation	Duration (days)	Est. Award Date
Expand Building Automation System, Main Office Building	27-405-21	$ 1,500	$ —	670	Mar 2027
Remove and Replace Pavement, Various Locations	27-651-21	2,000	—	274	Apr 2027
Storage Shed Rehabilitation and Expansion, KWRP	J67783-048	300	—	244	May 2027
Furnish, Deliver, and Install Turbo Blowers, EWRP and KWRP	23-704-21	5,000	—	549	Jun 2027
Transformer Fire Barrier, LPH	J66634-004	175	—	213	Jun 2027
Fox River Water Reclamation District (FRWRD) Structure 32 New Raw/WAS Pump Station	25-IGA-19	2,806	—	352	Jul 2027
Edelweiss Slope Restoration, CSA	J66679-006	200	—	183	Jul 2027
Replace Epoxy Floor, KWRP	J67785-010	290	—	108	Jul 2027
Furnish, Deliver, and Install AC Drives for South Post-Digestion Centrifuges, SWRP	25-925-21	1,050	—	488	Aug 2027
Railroad Track Improvements, SSA	20-907-21	3,900	—	427	Oct 2027
Elevator Upgrades, KWRP and OWRP	21-701-21	4,600	—	1,157	Oct 2027
Replace Coarse Screens, OWRP	22-702-21	9,000	—	792	Oct 2027
Replace Gas Monitoring Systems, Various Locations	23-635-21	5,000	—	1,157	Oct 2027
Rehabilitation of Gates and Actuators for Wheel Gates G3 and G4, MSPS	23-903-21	4,200	—	1,157	Oct 2027
Lockport Turbine Generator Rehabilitation, SSA	25-601-21	3,500	—	1,157	Oct 2027
Trash Rake Improvements, MSPS	25-923-21	2,500	—	792	Oct 2027
Primary Tank Improvements, SWRP	25-924-21	2,000	—	1,157	Oct 2027
Digester Rehabilitation, HPWRP	19-541-2P	6,000	—	506	Nov 2027
Furnish, Deliver, and Install Protective Relays, LPH	25-621-21	550	—	518	Jul 2028
Rehabilitation of the Overhead Bridge Crane in the Discharge Valve Chamber, MSPS	21-903-21	1,600	—	791	Oct 2028
Discharge Valve Rehabilitation on Main Sewage Pumps 1-4, SWRP	25-921-21	1,000	—	426	Oct 2028
Total Future Awards		$ 85,526			
Cumulative 2026 Awards, Projects Under Construction, and Future Awards		$ 196,541			

Note: All cost figures are in thousands of dollars.

CAPITAL PROJECTS LISTED BY SERVICE AREA - CONSTRUCTION FUND

The following is a list of capital projects within the District's three major service areas. They are presented by their association with a water reclamation plant (WRP) and by their completion status: projects for 2026 award, under construction, or under development.

STICKNEY SERVICE AREA (SSA)

Stickney Water Reclamation Plant (SWRP)

		Estimated Substantial Completion Date		Estimated Construction Cost
Projects for 2026 Award				
25-612-21	Roof Replacement and Rehabilitation, Various Locations		$	4,100,000
25-643-21	Rehabilitate Two Electric Motors, SWRP and KWRP			1,000,000
25-651-21	Remove and Replace Pavement, Various Locations			3,449,500
26-607-21	Fire Suppression System for Generators, LPH			425,000
26-623-21	Medium Voltage Drive OEM Rehabilitation, Various Locations			1,100,000
26-629-21	Rehabilitation of Lockport Controlling Works Gate No. 2, SSA			130,000
26-921-21	Permeable Pavement Restoration, SWRP			200,000
26-999-21	Roof Replacement and Rehabilitation, Various Locations			5,000,000
J66679-002	Modify Air Vent Elevation, DS-M13, SSA			350,000
		Total	**$**	**15,754,500**
Projects Under Construction				
20-861-2E	Replacement of Telemetry, Various Locations	3/26	$	3,153,600
22-602-21	Underground Storage Tank Improvements, Various Locations	12/27		1,050,000
22-903-22	Centrifuge Improvements, SWRP	12/27		5,450,000
23-RFP-19	Biosolids Management Strategy, SWRP	12/26		1,500,000
24-695-22	Truck Scale Replacement, Various Locations	7/27		809,000
24-902-21	Centrifuge Rehabilitation, SWRP	12/27		3,900,000
24-908-21	Rehabilitate Aeration Blowers, SWRP	12/28		3,800,000
25-404-21	Furnish, Deliver, and Install One Chiller, Main Office Building	12/26		700,000
25-922-21	Specialized Railroad Car Rehabilitation, SSA	12/27		1,900,000
		Total	**$**	**22,262,600**

Projects Under Development		Estimated Substantial Completion Date	Estimated Construction Cost
20-907-21	Railroad Track Improvements, SSA		$ 3,900,000
21-903-21	Rehabilitation of the Overhead Bridge Crane in the Discharge Valve Chamber, MSPS		1,600,000
23-903-21	Rehabilitation of Gates and Actuators for Wheel Gates G3 and G4, MSPS		4,200,000
25-601-21	Lockport Turbine Generator Rehabilitation, SSA		3,500,000
25-621-21	Furnish, Deliver, and Install Protective Relays, LPH		550,000
25-921-21	Discharge Valve Rehabilitation on Main Sewage Pumps 1-4, SWRP		1,000,000
25-923-21	Trash Rake Improvements, MSPS		2,500,000
25-924-21	Primary Tank Improvements, SWRP		2,000,000
25-925-21	Furnish, Deliver, and Install AC Drives for South Post-Digestion Centrifuges, SWRP		1,050,000
26-610-21	Building Splash Guard, LPH		2,000,000
26-628-21	Furnish, Deliver, and Install New Digital Governors, LPH		4,887,000
27-405-21	Expand Building Automation System, Main Office Building		1,500,000
27-615-21	Low-Water Crossing Removal, LPH		800,000
27-651-21	Remove and Replace Pavement, Various Locations		2,000,000
J66634-004	Transformer Fire Barrier, LPH		175,000
		Total	**$ 31,662,000**
		Stickney Service Area Grand Total	**$ 69,679,100**

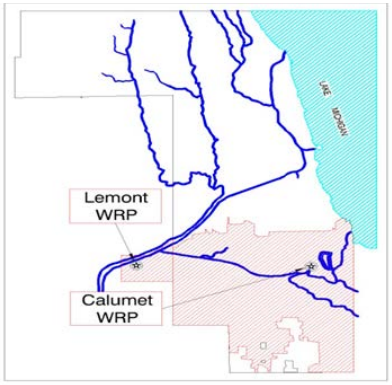
NORTH SERVICE AREA (NSA)

Terrence J. O'Brien Water Reclamation Plant (OWRP)
John E. Egan Water Reclamation Plant (EWRP)
James C. Kirie Water Reclamation Plant (KWRP)
Hanover Park Water Reclamation Plant (HPWRP)

		Estimated Substantial Completion Date		Estimated Construction Cost
Projects for 2026 Award				
21-IGA-21	Fox River Water Reclamation District (FRWRD) Operations and Maintenance Building Replacement		$	1,764,500
22-093-2M	HVAC Improvements to UV Building and Switchgear Building, OWRP			2,746,600
22-377-2DR	Raw Sewage Discharge Pipe Support Modifications for Pumps 1-3, KWRP, Rebid			8,730,000
26-721-21	Utility Tunnel Waterproofing, HPWRP			250,000
J67743-013	Walters Road Pumping Station Wet Well Rehabilitation, NSA			150,000
J67795-016	Exhaust Fan System Replacements, NSA			300,000
			Total	**$ 13,941,100**
Projects Under Construction				
20-415-2S	Biogas Combined Heat and Power System, EWRP	5/26	$	10,667,700
23-IGA-35	Fox River Water Reclamation District (FRWRD) Albin D. Pagorski WRP Bar Screens	12/26		2,937,800
24-601-21	Mechanical Process Improvements, Various Locations	12/27		17,859,000
25-629-21	Building Management System Improvements, CWRP and EWRP	12/27		3,092,100
			Total	**$ 34,556,600**
Projects Under Development				
06-358-2M	Gate Control Equipment Upgrade at TARP Control Structures, KWRP, NSA		$	3,000,000
19-541-2P	Digester Rehabilitation, HPWRP			6,000,000
21-701-21	Elevator Upgrades, KWRP and OWRP			4,600,000
22-702-21	Replace Coarse Screens, OWRP			9,000,000
23-635-21	Replace Gas Monitoring Systems, Various Locations			5,000,000
23-704-21	Furnish, Deliver, and Install Turbo Blowers, EWRP and KWRP			5,000,000
23-IGA-36	Fox River Water Reclamation District (FRWRD) Plantwide Electrical Improvements			8,642,600

Projects Under Development (continued)		Estimated Substantial Completion Date	Estimated Construction Cost
25-IGA-19	Fox River Water Reclamation District (FRWRD) Structure 32 New Raw/WAS Pump Station		$ 2,806,000
25-IGA-20	Fox River Water Reclamation District (FRWRD) Structure 10 New Ferric Chloride System		1,275,500
27-722-21	Odor Control System Rehabilitation, HPWRP		1,500,000
J67783-048	Storage Shed Rehabilitation and Expansion, KWRP		300,000
J67785-010	Replace Epoxy Floor, KWRP		290,000
		Total	**$ 47,414,100**
		North Service Area Grand Total	**$ 95,911,800**

CALUMET SERVICE AREA (CSA)



Calumet Water Reclamation Plant (CWRP)
Lemont Water Reclamation Plant (LWRP)

		Estimated Substantial Completion Date		Estimated Construction Cost
Projects for 2026 Award				
25-680-21	Calumet Union Ditch Wing Wall and Bank Restoration, CSA		$	350,000
26-614-21	Elevator Modernization and Rehabilitation, CWRP and MSPS			2,150,000
26-840-21	Land Grading and Surface Rehabilitation, CSA			705,000
26-850-21	Furnish, Deliver, and Install GeoPool Dewatering System, CSA			1,365,000
J68823-001	Furnish, Deliver, and Install 480V Power Feeds to Aeration Batteries A, B, and C, CWRP			1,000,000
J68843-032	Pump and Blower Building Floor Modifications, CWRP			671,900
J68843-033	Roof Replacement of Building 29, CWRP			408,000
			Total	**$ 6,649,900**
Projects Under Construction				
25-624-21	Sludge Pump Improvements, Various Locations	5/27	$	6,850,000
25-635-21	SEPA No. 3 Paver Walkway Improvement, CSA	7/26		200,000
25-821-21	Furnish, Deliver, and Install Grit Screw Conveyors, CWRP	12/28		10,800,000
			Total	**$ 17,850,000**
Projects Under Development				
19-257-2D	6th Street Construction and Utility Tunnel Rehabilitation and Various Roof Replacements, CWRP		$	5,000,000
25-281-2H	Rehabilitation of Gap Dam at Thornton Reservoir, CSA			500,000
27-828-21	Furnish, Deliver, and Install Grinder at the Palos Hills Pumping Station, CSA			250,000
J66679-006	Edelweiss Slope Restoration, CSA			200,000
J68823-003	Lighting Improvements, CSA			500,000
			Total	**$ 6,450,000**
			Calumet Service Area Grand Total	**$ 30,949,900**
			Capital Projects Grand Total - All Service Areas	**$ 196,540,800**

Biogas Combined Heat and Power System, EWRP

Project Number 20-415-2S

Service Area North

Location Egan WRP

Engineering Consultant Baxter & Woodman/Boller Construction, LLC

Engineering Contractor Baxter & Woodman/Boller Construction, LLC

Estimated Construction Cost $10,667,700

Contract Award Date January 2024

Substantial Completion Date May 2026

Project Description This project will consist of installing a biogas combined heat and power (CHP) system.

Project Justification This project will utilize biogas from the CHP system, which is typically flared, to produce electricity and recover the heat from the engine for beneficial reuse (hot water heat recovery). The biogas, a byproduct of wastewater treatment, will be beneficially reused. It is anticipated that running one CHP unit will save approximately $44,000 annually and running two CHP units will save approximately $100,000 annually.

Project Status Construction

Replacement of Telemetry, Various Locations

Project Number	20-861-2E
Service Area	Calumet, North, and Stickney
Location	District-wide
Engineering Consultant	In-house design
Engineering Contractor	Connelly Electric Co.
Estimated Construction Cost	$3,153,600
Contract Award Date	September 2024
Substantial Completion Date	March 2026

Project Description This project is to furnish, deliver, and install replacement communications equipment and services for the existing copper phone lines that provide visibility and control of various District remote sites from their respective supervisory plants. The equipment selected will provide secure, bidirectional, periodic commands and readings over cellular radio link to the telecommunications provider's network, as well as the ability to retrieve diagnostic data of the networking equipment itself. The contractor will provide turnkey installation from the Supervisory Control and Data Acquisition interface to the complete field installation.

Project Justification The existing point-to-point copper telemetry lines have been labeled as obsolete by AT&T, which is the District's current service provider. Through this project, these obsolete telemetry lines will be replaced with AT&T fiber connection as the primary interface and cellular as the secondary fail-over service that will communicate between the field and their supervisory plants. It is expected that the new communication system and its associated operating costs will realize actual savings of more than 30 percent.

Project Status Construction

Fox River Water Reclamation District (FRWRD) Operations and Maintenance Building Replacement

Project Number	21-IGA-21
Service Area	North
Location	Albin D. Pagorski WRP
Engineering Consultant	Not applicable
Engineering Contractor	Not applicable
Estimated Construction Cost	$1,764,500
Contract Award Date	June 2026
Substantial Completion Date	July 2027
Project Description	This project will replace the operations and maintenance facility with new construction. All the current facilities will be replaced and updated, and new processes incorporated as needed.
Project Justification	This project will replace the operations and maintenance facility, which is past its useful life. A modern facility is needed to support updated and new processes at the facility.
Project Status	Negotiation / Evaluation

HVAC Improvements to UV Building and Switchgear Building, OWRP

Project Number 22-093-2M

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $2,746,600

Contract Award Date January 2026

Substantial Completion Date July 2027

Project Description This project will remove ineffective heating, ventilation, and air conditioning (HVAC) equipment servicing the Ultraviolet Building and install effective HVAC, air condenser cooler, and rooftop units. In addition, this project will replace the existing switchgear building air handling unit with new effective rooftop air handling units that are air condenser cooled.

Project Justification The existing heat exchangers are not functioning as intended and the dehumidifiers are no longer necessary.

Project Status Design

Raw Sewage Discharge Pipe Support Modifications for Pumps 1-3, KWRP, Rebid

Project Number	22-377-2DR
Service Area	North
Location	Kirie WRP
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$8,730,000
Contract Award Date	January 2026
Substantial Completion Date	December 2027

Project Description This project will modify the pipe supports for the raw sewage pump discharge risers.

Project Justification The modification of pipe supports is required to strengthen structural supports and accommodate thermal movements. Modifying the supports will restore capacity, extend their service life, and prevent damage to the pipes.

Project Status Design

Underground Storage Tank Improvements, Various Locations

Project Number	22-602-21
Service Area	North and Stickney
Location	North and Stickney Service Areas
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$1,050,000
Contract Award Date	November 2025
Substantial Completion Date	December 2027
Project Description	This project entails improving the District's underground storage tanks, which are used for fleet fueling operations, by installing containment sumps on the submersible turbine pumps and fuel dispensers.
Project Justification	By 2028, regulations issued by the Illinois Office of the State Fire Marshal will require that all submersible turbine pumps and fuel dispensers have containment sumps installed.
Project Status	Planning

Centrifuge Improvements, SWRP

Project Number	22-903-22
Service Area	Stickney
Location	Stickney WRP
Engineering Consultant	In-house design
Engineering Contractor	Connelly Electric Co.
Estimated Construction Cost	$5,450,000
Contract Award Date	July 2025
Substantial Completion Date	December 2027

Project Description The Post-Digestion Centrifuge Facility at the Stickney WRP is currently operated by obsolete equipment. This project entails upgrading and replacing the old equipment. A fiber optic network/ backbone will also be installed to enable the new equipment to communicate seamlessly with the existing network.

Project Justification The current controllers and input/output modules are part of a line of hardware that was discontinued in 2017. Procuring hardware, software, and technical support has become increasingly difficult and costly due to the equipment's obsolescence. The project upgrading to a new system will make the facility's network more reliable and sustainable.

Project Status Construction

Fox River Water Reclamation District (FRWRD) Albin D. Pagorski WRP Bar Screens

Project Number	23-IGA-35
Service Area	North
Location	Albin D. Pagorski WRP
Engineering Consultant	Not applicable
Engineering Contractor	Not applicable
Estimated Construction Cost	$2,937,800
Contract Award Date	October 2025
Substantial Completion Date	December 2026
Project Description	This project is for the replacement of outdated bar screens at the Fox River Water Reclamation District's Albin D. Pagorski WRP. The new screens will be selected for their improved ability to capture debris. The preliminary design will determine the hydraulic profile.
Project Justification	The bar screens are past their useful life. New screens are required to capture more debris to protect the process facilities.
Project Status	Negotiation / Evaluation

Biosolids Management Strategy, SWRP

Project Number	23-RFP-19
Service Area	Stickney
Location	Stickney WRP
Engineering Consultant	Black & Veatch Corporation
Engineering Contractor	To be determined
Estimated Construction Cost	$1,500,000
Contract Award Date	July 2024
Substantial Completion Date	December 2026
Project Description	This project will provide an evaluation of biosolids processing options, perform preliminary engineering for a biosolids processing facility, and prepare a contract for constructing the facility.
Project Justification	A new biosolids management facility to process the biosolids from the Stickney WRP is needed to replace the existing pelletizing facility when it reaches the end of its useful life.
Project Status	Executed

Mechanical Process Improvements, Various Locations

Project Number	24-601-21
Service Area	North and Stickney
Location	North and Stickney Service Areas
Engineering Consultant	In-house design
Engineering Contractor	Independent Mechanical Industries, Inc. and John Burns Construction Company, LLC
Estimated Construction Cost	$17,859,000
Contract Award Date	November 2024
Substantial Completion Date	December 2027

Project Description This project entails the improvement and rehabilitation of various mechanical systems and assets in the North and Stickney Service Areas. Improvements to the mechanical systems at the O'Brien WRP include the installation of 18 slide gates with actuators for final settling tanks 15-18 located in Batteries A, B, and C, a second sodium hypochlorite tank in the Grit Building, fabricated drives with precision bearings on primary tanks 9-16, underground piping, which runs from the final tanks to the Scum Concentration Building, a rotating slotted pipe system made of non-corrosive materials to remove scum from the primary tank, and the rehabilitation of eight primary tank influent gate actuators and three splitter gate actuators. At the Hanover Park WRP, work includes the rehabilitation of the actuators and valves on the aeration tanks. Other improvements to the mechanical systems in the North Service Area include the replacement of the oxidation pond valve and actuator at the Hanover Park WRP, the installation of an insulated heating blanket on the bisulfite tank and a new safety railing around the filter beds at the Egan WRP, and the replacement of the seal water break tank and piping at the North Branch Pumping Station. At the Stickney WRP, two final tank drives will be replaced, and six final tank drives will have torque limiters installed to reduce damage in case of rake arm jamming. In all cases, the new equipment is superior to the existing equipment and will improve process performance and reduce equipment failures, downtime, and maintenance costs.

Project Justification This project will result in mechanical systems and assets that perform better due to process modifications and improvements and require less maintenance due to their new or like-new condition.

Project Status Construction

Truck Scale Replacement, Various Locations

Project Number	24-695-22
Service Area	Calumet and Stickney
Location	Calumet and Stickney Service Areas
Engineering Consultant	In-house design
Engineering Contractor	Abest Scale Company and Brechbuhler Scales, Inc.
Estimated Construction Cost	$809,000
Contract Award Date	July 2025
Substantial Completion Date	July 2027
Project Description	This project is for the installation of new truck scales and all appurtenances at the Calumet East, Calumet West, Marathon, and Vulcan biosolids management sites.
Project Justification	The existing truck scales are more than 25 years old and in need of replacement.
Project Status	Construction

Centrifuge Rehabilitation, SWRP

Project Number	24-902-21
Service Area	Stickney
Location	Stickney WRP
Engineering Consultant	In-house design
Engineering Contractor	Alfa Laval, Inc.
Estimated Construction Cost	$3,900,000
Contract Award Date	December 2024
Substantial Completion Date	December 2027

Project Description This project entails inspecting, rehabilitating, and overhauling 16 thickening (pre-digestion) and 21 dewatering (post-digestion) centrifuges at the Stickney WRP. All work will be performed by the sole source vendor.

Project Justification The current configuration of the Stickney WRP includes 16 pre-digestion centrifuges and 21 post-digestion centrifuges. The project will provide for the full rehabilitation of both styles of centrifuges to ensure that there is adequate machine capacity available to dewater biosolids for processing and eventual beneficial reuse at the Pelletizer Facility and at other outlets, such as farms, golf courses, and public works projects.

Project Status Construction

Rehabilitate Aeration Blowers, SWRP

Project Number	24-908-21
Service Area	Stickney
Location	Stickney WRP
Engineering Consultant	In-house design
Engineering Contractor	Siemens Energy, Inc.
Estimated Construction Cost	$3,800,000
Contract Award Date	December 2025
Substantial Completion Date	December 2028

Project Description This project entails inspecting, rehabilitating, and overhauling four blowers at the Stickney WRP.

Project Justification Four axial flow blowers (Nos. 4 through 7) at the Stickney WRP are used to provide air to the aeration tanks and airlifts. Blower No. 7's guide vane stator has sustained damage, preventing it from moving. The stator is critical as it is used to adjust the air flow based on the WRP's need. The stator on blower No. 4 also needs to be replaced. The blowers are due for an overhaul (every eight years is recommended). The project will include the inspection, rehabilitation, balancing, and replacement of worn parts for blowers Nos. 4 and 7.

Project Status Planning

Furnish, Deliver, and Install One Chiller, Main Office Building

Project Number	25-404-21
Service Area	Stickney
Location	Main Office Building
Engineering Consultant	In-house design
Engineering Contractor	Autumn Construction Services, Inc.
Estimated Construction Cost	$700,000
Contract Award Date	October 2025
Substantial Completion Date	December 2026

Project Description This project entails the installation of a new chiller unit at the Main Office Building. The new unit must be energy efficient, use less harmful refrigerant, and be tied into the building automation system.

Project Justification The chiller was installed in 1997. The American Society of Heating, Refrigerating, and Air-Conditioning Engineers' standard for useful life of centrifugal chillers is 23 years. Failure of either existing chiller could have adverse effects on the working conditions of all employees in the Main Office Building due to the inability to regulate the temperature during the summer months. The current unit is also expensive to recharge and uses R-22 refrigerant, an ozone-depleting chemical. Water and electrical energy usage levels are expected to decrease significantly due to the new model's higher efficiency and the automated controls.

Project Status Construction

Roof Replacement and Rehabilitation, Various Locations

Project Number	25-612-21
Service Area	Calumet, North, and Stickney
Location	Calumet, North, and Stickney Service Areas
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$4,100,000
Contract Award Date	March 2026
Substantial Completion Date	April 2027

Project Description This project entails the replacement and rehabilitation of existing roofs at various locations, which are showing signs of wear, to extend their service life. The scope of work includes the complete removal of the existing roofing systems, including base, flashings, felts, toppings, insulation, gravel, roof accessories, expansion joints, etc. Reinstallation may include a new vapor barrier, new insulation to enable positive drainage and all associated perimeter and penetration metal details and counter flashings. Rehabilitation work can include localized roof deck restoration including slope remediation, full roofing membrane and insulation replacement, masonry, and flashing repairs at roof parapet to eliminate water infiltration.

Project Justification Replacement and rehabilitation of roofs extends the overall life of the roofs and prevents damage or further degradation to building structures. The need for rehabilitation is based on age, life expectancy and reliability. The project will minimize future maintenance costs and protect the District's assets. Failure of existing roofs could have adverse effects on vulnerable and sensitive equipment housed in various buildings, which would be extremely costly to replace or repair and could adversely affect District operations. Many roofs have exceeded their expected useful life of 20 years and are no longer under warranty. Rehabilitating District roofs also ensures a safe working environment for District Employees.

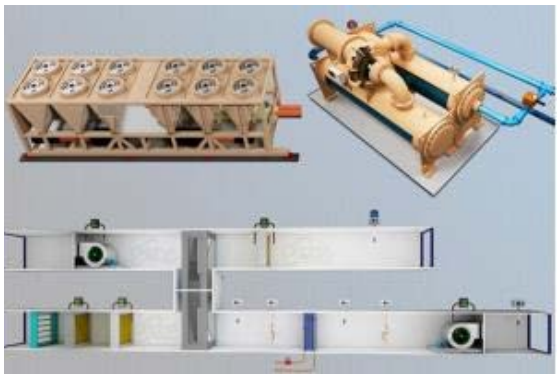
This project is part of a large-scale undertaking to rehabilitate roofing systems across the three service areas. The first stage of work will be completed under 24-612-22, Roof Rehabilitation, Various Locations.

Project Status Planning

Sludge Pump Improvements, Various Locations

Project Number	25-624-21
Service Area	Calumet and North
Location	Calumet and Egan WRPs
Engineering Consultant	Independent Mechanical Industries, Inc.
Engineering Contractor	Independent Mechanical Industries, Inc.
Estimated Construction Cost	$6,850,000
Contract Award Date	October 2025
Substantial Completion Date	May 2027
Project Description	This project provides for sludge pump improvements in the Calumet and North Service Areas. At the Calumet WRP, three recessed impeller scum pumps will be replaced with chopper pumps, and four screw type impeller primary sludge pumps will be replaced with non-clog pumps. At the Egan WRP, the digester transfer pumps will be replaced and upgraded, which will allow waste sludge to be pumped directly to the O'Brien WRP.
Project Justification	The need for replacement is based on age, life expectancy, and reliability. The equipment being replaced has experienced chronic failures due to equipment corrosion and leaking coils and piping. The project will minimize future maintenance costs and ensure increased reliability to protect District assets, improve air quality, and provide a safe working environment.
Project Status	Construction

Building Management System Improvements, CWRP and EWRP



Project Number	25-629-21
Service Area	Calumet and North
Location	Calumet and Egan WRPs
Engineering Consultant	In-house design
Engineering Contractor	Johnson Controls, Inc.
Estimated Construction Cost	$3,092,100
Contract Award Date	June 2025
Substantial Completion Date	December 2027

Project Description The sole source vendor shall provide all necessary services, including labor, supervision, transportation, tools, parts, materials, instruments, insurance, management, expertise, and equipment to replace building management systems at the Calumet WRP's high-level pump station and aerated grit facility and the Egan WRP. The building management system manages and monitors the electrical and mechanical equipment, which controls the heating, ventilation, and air conditioning systems.

Project Justification The precise control of the ventilation system is critical to the safety of the individuals who work with the welding, cutting, and torching equipment and operate the heavy equipment, trucks, and machines in those areas. The existing systems are obsolete and prone to malfunction, and parts are no longer available from the manufacturer. The expected useful life of the replacement panels is 25 years.

Project Status Construction

SEPA No. 3 Paver Walkway Improvement, CSA

Project Number 25-635-21

Service Area Calumet

Location Blue Island, Illinois

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $200,000

Contract Award Date November 2025

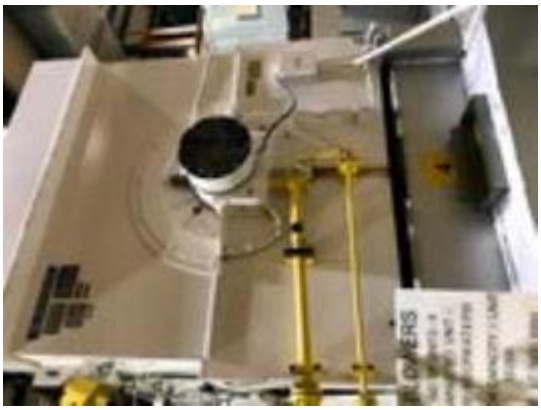
Substantial Completion Date July 2026

Project Description This project entails removing, salvaging, re-leveling, and re-installing pavers to create a walkway surface that is substantially compliant with recommendations articulated in the Americans with Disabilities Act.

Project Justification Area residents with disabilities find it challenging to traverse the existing paver walkways around and through Sidestream Elevated Pool Aeration Station No. 3 due to the uneven surface caused by tree roots, failing base material, etc. The existing pavers will be removed and salvaged, deficient areas leveled, and pavers re-reinstalled to make it easier for all residents to visit the station.

Project Status Planning

Rehabilitate Two Electric Motors, SWRP and KWRP



Project Number 25-643-21

Service Area Stickney and North

Location Stickney and Kirie WRPs

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $1,000,000

Contract Award Date March 2026

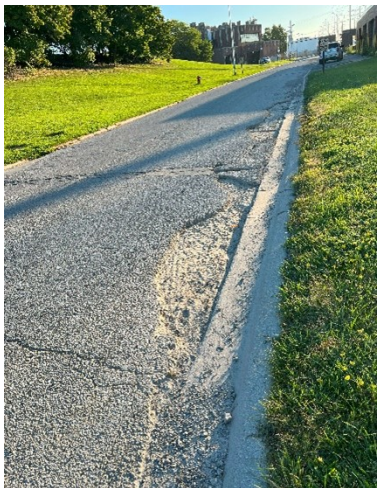
Substantial Completion Date December 2027

Project Description This project entails rewinding the motor stator and refurbishing the rotor on aeration blower motor No. 7 at the Stickney WRP and raw sewage pump No. 3 motor at the Kirie WRP.

Project Justification Overhaul testing revealed that the stator windings are nearing the end of their useful life. To restore the blower to operation, the motor stator must be rewound and new temperature monitoring devices installed. The rotor will be tested and refurbished. Kirie's motor experienced a winding fault while in service.

Project Status Planning

Remove and Replace Pavement, Various Locations



Project Number	25-651-21
Service Area	Calumet, North, and Stickney
Location	Calumet, North, and Stickney Service Areas
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$3,449,500
Contract Award Date	April 2026
Substantial Completion Date	December 2027

Project Description This project entails the removal and replacement of deteriorating pavement. Scope of work includes clearing and excavation of existing concrete pavement, saw cutting, doweling, sealing, stripping, curb and gutter removal and replacement, cleaning and sealing of cracks, proper sloping and grading, and asphalt pavement resurfacing in the North, Stickney, and Calumet Service Areas.

Project Justification Roadway and parking lot pavements show signs of deterioration, developing many potholes, thus creating driving and pedestrian hazards at the North, Stickney, and Calumet Service Areas. Cracks are as wide as six inches and potholes are noted at numerous locations in various facilities. Asphalt cold patch has been applied every year in the past but is not a permanent solution. The poor condition of pavement has a negative impact on District vehicles as well as employees' and visitors' vehicles. This project will extend the useful life of the roadways and parking lots, provide safe driving conditions in the plants, and protect vehicles.

This project is part of a large-scale undertaking to rehabilitate pavement across the three service areas. The first stage of work will be completed under 24-651-21, Remove and Replace Pavement, Various Locations.

Project Status Planning

Calumet Union Ditch Wing Wall and Bank Restoration, CSA

Project Number	25-680-21
Service Area	Calumet
Location	Hazel Crest, Illinois
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$350,000
Contract Award Date	July 2026
Substantial Completion Date	December 2027
Project Description	This project entails replacing and installing a new outfall concrete wing wall and restoring the eroded bank of the Calumet Union Ditch Pool No. 5.
Project Justification	Replacing the wing wall and restoring the bank will prevent erosion occurrences and the deterioration of Pool No. 5 in the overall reservoir system.
Project Status	Planning

Furnish, Deliver, and Install Grit Screw Conveyors, CWRP

Project Number	25-821-21
Service Area	Calumet
Location	Calumet WRP
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$10,800,000
Contract Award Date	December 2025
Substantial Completion Date	December 2028
Project Description	This project entails the demolition of eight traveling bridges and the installation of seven shaftless screw conveyors and eight tank covers and exhaust fans.
Project Justification	The grit building at the Calumet WRP has eight traveling bridge grit tanks which were installed nine years ago and have been prone to problems. Screw conveyors are less complex than the traveling bridges because they have fewer moving parts. Electrical components on the traveling bridges are prone to failure due to hydrogen sulfide. The screw conveyors will be controlled through a distributed control system, so very few electrical components will be exposed to hydrogen sulfide. The grit tanks will be covered and connected to the existing exhaust fans to reduce hydrogen sulfide in the building.
Project Status	Planning

Specialized Railroad Car Rehabilitation, SSA

Project Number	25-922-21
Service Area	Stickney
Location	Stickney WRP
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$1,900,000
Contract Award Date	November 2025
Substantial Completion Date	December 2027

Project Description The purpose of this project is to rehabilitate rail mounted dump cars used to transport biosolids cake from the Stickney WRP's Post Digestion facility to the Harlem Avenue, Lawndale Avenue, and Vulcan biosolids drying sites. Dump cars will be transported out to the service provider's shop and returned via the Canadian National Railroad network system.

Project Justification A comprehensive rehabilitation of the rail-mounted biosolids dump cars is required to ensure the continuity and reliability of the critical biosolids operation in the Stickney Service Area.

Project Status Planning

Fire Suppression System for Generators, LPH

Project Number 26-607-21

Service Area Stickney

Location Lockport Powerhouse

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $425,000

Contract Award Date July 2026

Substantial Completion Date December 2026

Project Description This project entails replacing a fire suppression system for the two hydroelectric generators located inside the Lockport Powerhouse.

Project Justification This project is required to protect valuable physical assets at the Lockport Powerhouse. The system is past its useful life.

Project Status Planning

Elevator Modernization and Rehabilitation, CWRP and MSPS

Project Number 26-614-21

Service Area Calumet and Stickney

Location Calumet WRP and Mainstream Pumping Station

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $2,150,000

Contract Award Date June 2026

Substantial Completion Date December 2027

Project Description This project entails modernizing the east and west Tunnel and Reservoir Plan elevator controls at the Calumet WRP and rehabilitating the north vent elevator at the Mainstream Pumping Station.

Project Justification Elevator entrapments result in lost employee productivity and carry the risk of increasing the number of Workers' Compensation claims. Modernization of the Calumet WRP and Mainstream Pumping Station elevators will address this risk by providing a more reliable vertical transportation system for District employees and visitors. Elevator components, including the controllers and variable frequency drives, are obsolete and no longer supported by the manufacturer.

Project Status Planning

Medium Voltage Drive OEM Rehabilitation, Various Locations

Project Number 26-623-21

Service Area Calumet and North

Location Calumet and Kirie WRPs

Engineering Consultant In-house design

Engineering Contractor Borg General Sales, LLC / Innomotics, LLC

Estimated Construction Cost $1,100,000

Contract Award Date January 2026

Substantial Completion Date December 2027

Project Description This project entails modernizing four original Siemens Harmony medium voltage main sewage pump variable frequency drives using original equipment manufacturer (OEM) equipment and components.

Project Justification This project will provide upgraded power cells and control software for the variable frequency drives at the Calumet and Kirie WRPs. Upgrading to a new system will make the equipment more reliable and sustainable.

Project Status Planning

Rehabilitation of Lockport Controlling Works Gate No. 2, SSA

Project Number 26-629-21

Service Area Stickney

Location Lockport Powerhouse

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $130,000

Contract Award Date June 2026

Substantial Completion Date December 2026

Project Description This project entails the installation of a cofferdam and the mechanical rehabilitation of Gate No. 2 in the Lockport Controlling Works.

Project Justification The gates for the controlling works are crucial for the effective drawdown of the Chicago Area Waterway System during severe storms. This project is required to maintain the operational effectiveness of the equipment and to reduce the risk of flooding.

Project Status Planning

Utility Tunnel Waterproofing, HPWRP

Project Number 26-721-21

Service Area North

Location Hanover Park WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $250,000

Contract Award Date February 2026

Substantial Completion Date August 2026

Project Description This project will perform waterproofing to the exterior of an underground utility tunnel at the Hanover Park WRP. The work will occur in sections B, C, and D, which cover approximately 500 feet of the tunnel. The work performed will include expansion joint rehabilitation, routing and sealing of random cracks in the concrete, partial depth concrete rehabilitation, sealant replacement of the cove and control joints and pipe penetrations, and vertical concrete restoration.

Project Justification Aging concrete has allowed water to infiltrate cracks and joints, further deteriorating the underground utility tunnel at the Hanover Park WRP. Waterproofing the exterior will slow deterioration and allow the Engineering Department the necessary time to design and award a contract for full rehabilitation of the tunnel.

Project Status Design

Land Grading and Surface Rehabilitation, CSA

Project Number 26-840-21

Service Area Calumet

Location Calumet Solids Management Area

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $705,000

Contract Award Date April 2026

Substantial Completion Date June 2026

Project Description This project entails land grading and surface rehabilitation to flatten the grade of approximately 11,000 square yards at the Calumet WRP's east drying cell No. 5. Site improvements will include proper drainage and the preparation for mechanical components and wiring to support the GeoPool dewatering systems, chemical dosing systems, tanks, and pumping mechanisms.

Project Justification The expansion of the Chicago Transit Authority Red Line transportation system will obstruct access from the Calumet WRP to the east biosolids drying sites. Alternative dewatering methods will be necessary to continue the production of biosolids. GeoPools are designed to dewater, utilizing a membrane that allows water to pass through, leaving behind dry solids. Proper drainage, leveling, wiring, and other land improvements are required for the successful installation of the equipment.

Project Status Design

Furnish, Deliver, and Install GeoPool Dewatering System, CSA

Project Number 26-850-21

Service Area Calumet

Location Calumet Solids Management Area

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $1,365,000

Contract Award Date July 2026

Substantial Completion Date August 2026

Project Description This project will furnish, deliver, and install two GeoPools, including modular frames, clean out gates, dump doors, and filter membranes to allow approximately 10,000 dry tons of biosolids to be dewatered annually. This project is a pilot test to determine the system's suitability as a long-term solution.

Project Justification The expansion of the Chicago Transit Authority Red Line transportation will obstruct access from the Calumet WRP to east biosolids drying sites. Alternative dewatering methods will be necessary to continue the production of biosolids. GeoPools are designed to dewater, utilizing a membrane that allows water to pass through, leaving behind dry solids. This method will prevent excessive truck hauling of wet processed solids over public roadways.

Project Status Design

Permeable Pavement Restoration, SWRP

Project Number 26-921-21

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $200,000

Contract Award Date April 2026

Substantial Completion Date December 2026

Project Description This project will restore the permeable pavement parking lot at the Stickney WRP, which includes replacing stone joint material, cracked or damaged pavers, and leveling as needed.

Project Justification The permeable pavement parking lot at the Stickney WRP naturally diverts stormwater and includes an underdrain system to help alleviate flooding while safeguarding our rivers and natural water resources from pollutants during large rain events. Rehabilitation, including the re-leveling and replacement, as needed, of the pavers that top this system is required to ensure the drainage system continues to work effectively. This system has been in place for over 15 years and was originally installed as a test site for the technology to demonstrate proof of concept.

Project Status Design

Roof Replacement and Rehabilitation, Various Locations

Project Number 26-999-21

Service Area Calumet, North, and Stickney

Location Calumet, North and Stickney Service Areas

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $5,000,000

Contract Award Date May 2026

Substantial Completion Date December 2026

Project Description This project entails the replacement and rehabilitation of existing roofs at various locations to extend their service life. The roofs to be replaced are identified through a roof inspection survey and prioritized based on findings, age, and criticality of the facility.

Project Justification Replacement and rehabilitation of roofs extends the overall life of the roofs and prevents damage or further degradation to building structures. The need for rehabilitation is based on age, life expectancy, and reliability. The project will minimize future maintenance costs and protect the District's assets. Failure of existing roofs could have adverse effects on vulnerable and sensitive equipment housed in various buildings, which would be extremely costly to replace or repair and could adversely affect District operations. Many roofs have exceeded their expected useful life of 20 years and are no longer under warranty. Rehabilitating District roofs also ensures a safe working environment for employees.

This project is part of a multi-phase, large-scale undertaking to rehabilitate roofing systems across the three service areas. This phase will be completed using roofing services obtained under the OMNIA Partners Cooperative Purchasing Agreement.

Project Status Design

Modify Air Vent Elevation, DS-M13, SSA

Project Number	J66679-002
Service Area	Stickney
Location	Dropshaft M13
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$350,000
Contract Award Date	June 2026
Substantial Completion Date	December 2026
Project Description	This project will raise the elevation of Tunnel and Reservoir Plan (TARP) Dropshaft M13 air vent by eight feet. The work will include removing the existing steel grating and beams, extending the existing air vent shaft core with reinforced concrete, and installing new steel girders and new 72-inch diameter grating.
Project Justification	During severe rain events, the dropshaft air vent experiences stormwater geysering, causing the steel grating to lift and shift from the structure. The air vent is the first point of pressure relief. Extending the structure eight feet above the current ground elevation and above the dropshaft will safely contain the geysering effect. This solution was implemented within the Mainstream TARP system and has proven to be reliable.
Project Status	Planning

Walters Road Pumping Station Wet Well Rehabilitation, NSA

Project Number J67743-013

Service Area North

Location Walters Road Pumping Station

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $150,000

Contract Award Date April 2026

Substantial Completion Date December 2026

Project Description The existing concrete at the Walters Road Pumping Station within the wet well area is cracked and spalling along the floors and ceiling slabs. Removal of concrete debris, filling existing cracks, and leveling is required to restore the structural integrity of the wet well.

Project Justification This project is required to restore the structural integrity of the wet well and ensure a safe working environment for personnel. The improvements have been recommended by the District's Structural Engineering Group.

Project Status Design

Exhaust Fan System Replacements, NSA

Project Number	J67795-016
Service Area	North
Location	Egan, Hanover Park, Kirie, and O'Brien WRPs
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$300,000
Contract Award Date	February 2026
Substantial Completion Date	December 2026
Project Description	This project entails removing and replacing existing exhaust fan networks in various areas of the Egan, Hanover Park, Kirie, and O'Brien WRPs. Many of the existing exhaust systems are more than 40 years old and original to the buildings.
Project Justification	Exhaust systems are crucial to the safety and design of these facilities. Fumes from processing sludge, if allowed to concentrate, are combustible and hazardous when inhaled. The prioritized replacement of exhaust systems ensures the safety of District employees and the protection of its facilities. Newer systems also provide an energy efficiency over models produced when these systems were first installed.
Project Status	Planning

Furnish, Deliver, and Install 480V Power Feeds to Aeration Batteries A, B, and C, CWRP

Project Number J68823-001

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $1,000,000

Contract Award Date January 2026

Substantial Completion Date December 2027

Project Description This project entails furnishing, delivering, and installing two 480V power feeds to aeration batteries A, B, and C at the Calumet WRP.

Project Justification By design, the power feeds to aeration batteries A, B, and C share the same raceway or cable trough. The trough is integral to an adjacent tank that leaks, submerging the cables and splices, and creating a potential ground fault condition. This project will remedy that hazard.

Project Status Planning

Pump and Blower Building Floor Modifications, CWRP

Project Number	J68843-032
Service Area	Calumet
Location	Calumet WRP
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$671,900
Contract Award Date	March 2026
Substantial Completion Date	July 2026

Project Description This project will replace the existing Pump and Blower Building floor beams and install in-fills. The work includes the saw cut of misaligned concrete edges and the installation of steel with concrete decking to match the finished floor. The contractor will lower the beams/in-fills one inch, or as needed to accommodate the new matching finished floor.

Project Justification Five blowers were removed from the Pump and Blower Building at the Calumet WRP, leaving behind five large holes in the concrete flooring. Three holes remain; they are located two stories above the subfloor. The structural modifications will provide for safe egress. This project also provides an opportunity to repurpose the space for the expansion of the machine shop.

Project Status Planning

Roof Replacement of Building 29, CWRP

Project Number	J68843-033
Service Area	Calumet
Location	Calumet WRP
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$408,000
Contract Award Date	April 2026
Substantial Completion Date	May 2026
Project Description	This project will replace section one of the Building 29 roof. The roof specification shall be the District standard Styrene-Butadiene-Styrene (SBS) modified bituminous roofing system. The area of roof work is 6,200 square feet at a height of 16 feet and is located on the northeast side of building.
Project Justification	Replacing the roof is necessary to stop water leakage into the storage room office spaces and lunchroom where personnel detected ceiling damage and mold growth on walls.
Project Status	Planning

50000 CONSTRUCTION FUND — OBJECTIVES AND PROGRAM SUMMARY

OBJECTIVES BY PRIORITY:	Cost	Percent
1. COLLECTION FACILITIES: Pursue projects, such as restoring the structural integrity of the wet well at the Walters Road Pumping Station, which will reduce operation and maintenance costs and/or provide facility improvements.	$ 2,286,900	3.0 %
2. TREATMENT FACILITIES: Pursue projects, such as the replacement of roofs and pavement, District-wide and the rehabilitation of centrifuges at the Stickney WRP, which will reduce operation and maintenance costs and/or provide facility improvements.	$ 26,104,700	35.8 %
3. SOLIDS PROCESSING AND UTILIZATION FACILITIES: Pursue projects, such as the rehabilitation of the railroad equipment used to transport biosolids in the Stickney Service Area, which will reduce costs and/or provide facility improvements.	$ 3,939,000	5.4 %
4. FLOOD AND POLLUTION CONTROL: Provide funding for construction projects addressing flood control.	$ 1,429,700	2.0 %
5. CONSTRUCTION FUND PROJECT COST: Provide funding for contracts awarded prior to 2026.	$ 38,407,300	52.6 %
6. PROJECT SUPPORT: Development, design, and administration of current and future contracts, funding support, construction materials, and utility support services.	$ 850,000	1.2 %
Totals	$ 73,017,600	100.0 %

PROGRAMS BY PRIORITY:		2024		Budgeted		Change	
Number	Name	Actual		FTEs	Dollars	Dollars	Percent
1700	Collection System Design	$ —	2026	—	$ 442,200	$ 324,500	275.7
			2025	—	$ 117,700		
1800	Collection Construction	$ 1,542,324	2026	—	$ 2,147,500	$ (8,712,100)	(80.2)
			2025	—	$ 10,859,600		
2800	Treatment Construction	$ 9,126,274	2026	—	$ 54,640,800	$ 2,528,100	4.9
			2025	—	$ 52,112,700		
3700	Solids Processing Design	$ 557,057	2026	—	$ 343,000	$ (707,000)	(67.3)
			2025	—	$ 1,050,000		
3800	Solids Processing Construction	$ 1,483,389	2026	—	$ 11,014,400	$ (1,311,200)	(10.6)
			2025	—	$ 12,325,600		
4207	Centennial Fountain	$ 1,858,042	2026	—	$ —	$ (460,000)	(100.0)
			2025	—	$ 460,000		
4600	Monitoring	$ 590,353	2026	—	$ 850,000	$ (1,050,000)	(55.3)
			2025	—	$ 1,900,000		
4800	Flood and Pollution Control Construction	$ 7,113,536	2026	—	$ 1,879,700	$ (9,300)	(0.5)
			2025	—	$ 1,889,000		
5800	Solids Utilization Construction	$ 839,268	2026	—	$ 1,350,000	$ (729,000)	(35.1)
			2025	—	$ 2,079,000		
7460	Main Office Building Complex Services	$ —	2026	—	$ 350,000	$ —	—
			2025	—	$ 350,000		
	Totals	$23,110,243	2026	—	$ 73,017,600	$ (10,126,000)	(12.2)%
			2025	—	$ 83,143,600		

Projects budgeted in the Construction Fund, a pay-as-you-go capital fund, are prioritized based on operational needs, design time frames, and available funding. Year-over-year variances in program area budgets are the result of project timing within the five-year capital planning cycle.

201 Fund: Construction 50000 Department: Engineering		LINE ITEM ANALYSIS						
		2024	2025				2026	
Account Number	Account Name	Expenditure	Original Appropriation	Adjusted Appropriation 09/30/25	Expenditure (Committed Budget plus Disbursement) 09/30/25	Estimated Expenditure 12/31/25	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612240	Testing and Inspection Services	$ 332,185	$ 433,500	$ 433,500	$ 414,500	$ 194,300	$ 488,400	$ —
612400	Intergovernmental Agreements	6,843,145	1,501,900	1,398,100	896,300	866,600	4,079,100	—
612430	Payments for Professional Services	378,152	1,450,000	1,450,000	1,116,600	1,116,700	550,000	—
612440	Preliminary Engineering Reports and Studies	—	117,700	117,700	—	—	442,200	—
612450	Professional Engineering Services for Construction Projects	633,107	1,687,000	1,790,800	1,774,400	1,414,600	743,000	—
200	TOTAL CONTRACTUAL SERVICES	8,186,589	5,190,100	5,190,100	4,201,800	3,592,200	6,302,700	—
645620	Waterway Facilities Structures	—	235,000	235,000	208,000	208,000	—	—
645650	Process Facilities Structures	5,340,845	9,214,600	10,456,200	10,324,400	2,820,800	5,994,400	—
645680	Buildings	481,245	2,345,100	2,528,100	1,303,100	1,344,200	1,281,500	—
645700	Preservation of Collection Facility Structures	1,731,481	11,159,600	9,735,000	3,717,700	2,626,400	1,960,500	—
645720	Preservation of Waterway Facility Structures	1,858,042	1,160,000	1,160,000	704,900	309,200	505,000	—
645750	Preservation of Process Facility Structures	2,225,469	29,607,900	29,607,900	16,053,300	9,289,300	31,059,700	—
645780	Preservation of Buildings	2,447,303	22,681,300	22,681,300	11,413,500	6,703,600	21,593,800	—
645790	Preservation of Capital Projects, N.O.C.	839,268	1,550,000	1,550,000	300,000	850,000	4,320,000	—
500	TOTAL CAPITAL PROJECTS	14,923,653	77,953,500	77,953,500	44,024,900	24,151,500	66,714,900	—
TOTAL CONSTRUCTION FUND		$ 23,110,242	$ 83,143,600	$ 83,143,600	$ 48,226,700	$ 27,743,700	$ 73,017,600	$ —

NOTES: 1. Amounts may not add up due to rounding.

2. Estimated Expenditure may either exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.

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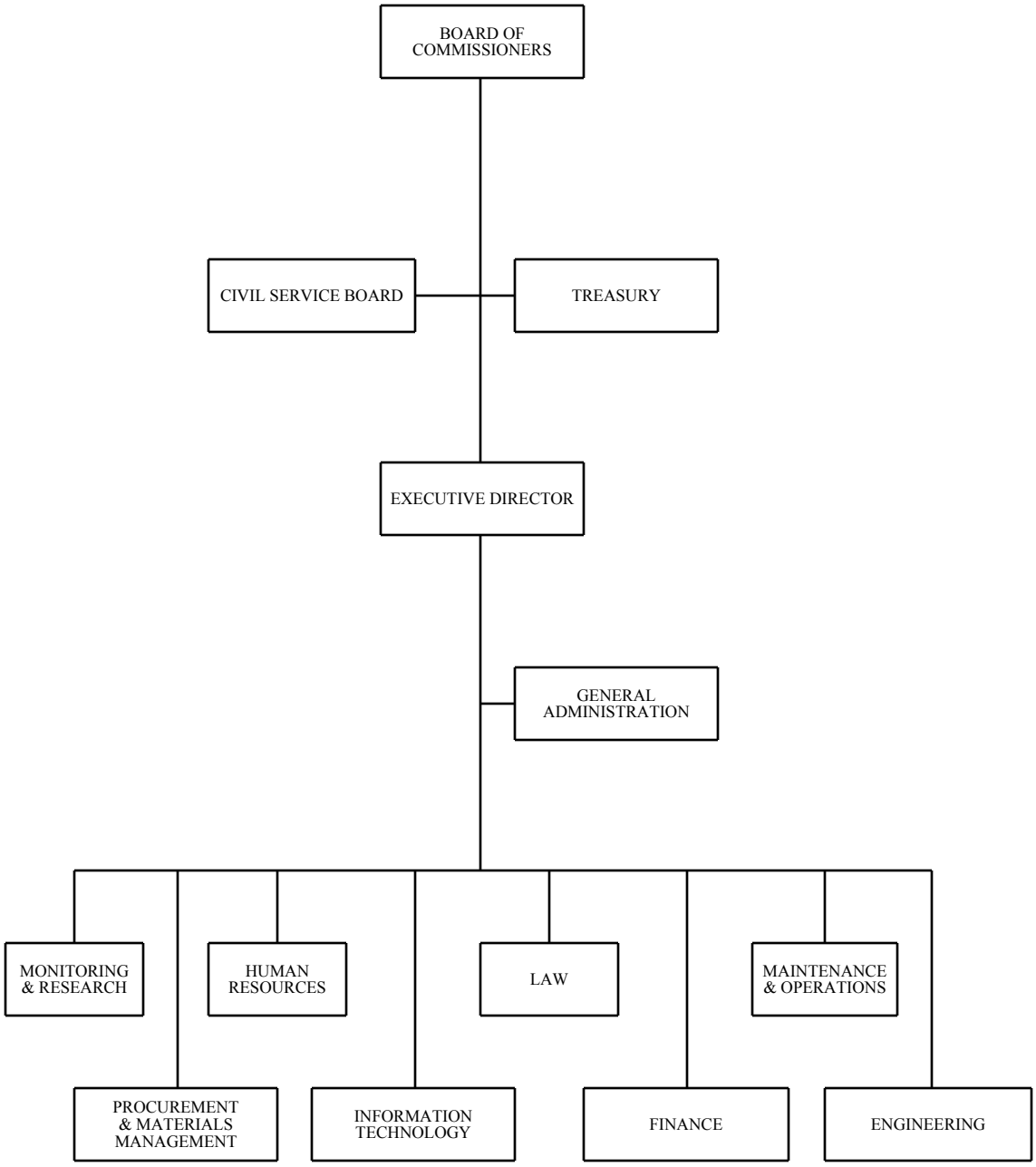


CAPITAL IMPROVEMENTS BOND FUND

Fund Summary

The Capital Improvements Bond Fund is used when acquiring an asset that meets the definition of a capital asset: the cost typically exceeds $500,000 and generally, the useful life will be at least 20 years. Capital projects pursued by the Engineering Department are: (a) preservation/rehabilitation of existing infrastructure to maintain service levels, (b) improvement of environmental quality, or (c) commitment to community through process optimization. The Capital Improvements Bond Fund is funded by the sale of bonds and receipt of loans from the Illinois Environmental Protection Agency and State Revolving Loan Fund. The use of these funds is governed by state statutes and federal guidelines.

Summary of 2025 Major Accomplishments

- In support of the Strategic Plan initiative of maintaining a high level of permit compliance as requirements evolve, the District awarded contracts including:
  - 19-375-3P, Chemical Addition Backup System, KWRP;
  - 20-087-3P, Chemical Phosphorus Removal, OWRP.
- In support of the Strategic Plan initiative of managing assets to maintain optimal performance and long-term sustainability, the District awarded contracts for the rehabilitation of intercepting sewers and other collection system improvements, including:
  - 23-416-2S, Kirie - Egan Solids Pipeline Rehabilitation Section No. 1, NSA.

2026 Appropriation

The 2026 appropriation for the Capital Improvements Bond Fund is $689,527,900, an increase of $143,425,400, or 26.3 percent, from 2025. There are no staff positions budgeted in the Capital Improvements Bond Fund. The 2026 appropriation includes construction costs for capital projects to be awarded in 2026 in the amount of $638.7 million. The remaining $50.8 million includes funding for the acquisition of easements, bond issuance costs, allowances for contract change orders, and legal and other support services relating to capital projects.

2026 Budget Highlights

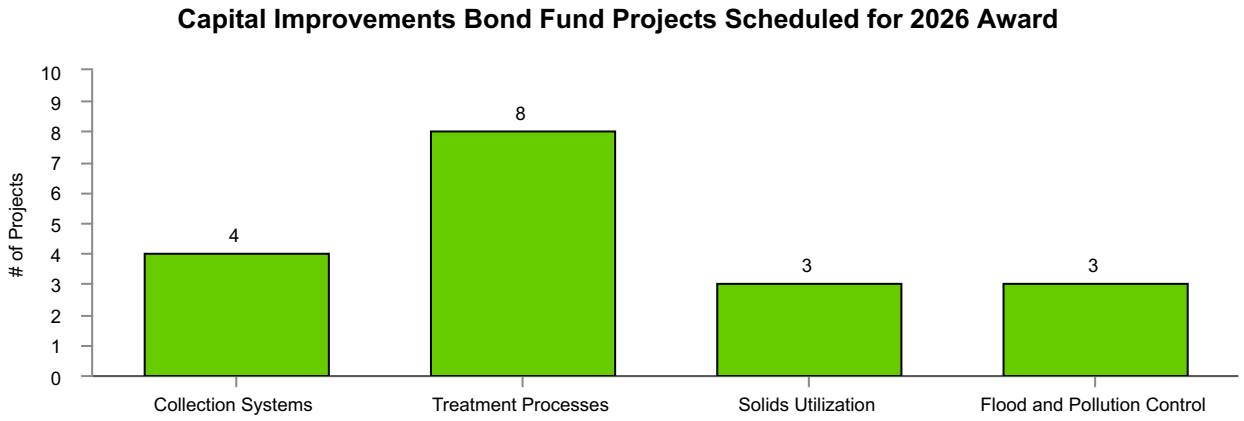
The following budget highlights support the District's Strategic Plan Goal of Resource Management. The initiatives highlighted below illustrate how the District is maintaining a high level of performance on the core mission of protecting the public health and area waterways while pursuing opportunities to recover, reuse, and monetize resources.

Manage assets to maintain optimal performance and long-term sustainability

- Award three contracts for the rehabilitation of intercepting sewers and other collection system work, with an estimated construction cost of $45.0 million:
  - 12-369-3S, Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA;
  - 23-378-3SR, Upper Des Plaines Dropshafts 1/1A and 5 Rehabilitation and Calumet Dropshaft 34 Modification, NSA and CSA;
  - 25-191-4F, McCook Reservoir Stage 1 Rock Wall Stabilization, SSA.
- Award nine contracts for improvements to process facilities and mechanical equipment, with an estimated construction cost of $481.0 million:
  - 19-255-3D, Rehabilitation of Pump and Blower House, CWRP;
  - 21-092-3P, Battery E Activated Sludge Facility, OWRP;
  - 23-417-3S, Kirie - Egan Solids Pipeline Rehabilitation Section No. 2, NSA;
  - 24-098-3S, North Side Sludge Pipeline Replacement - Section 2, OWRP;
  - 24-268-3P, Replacement of Dewatering Facility, CWRP;
  - 24-269-3P, Install Pipe Casing and Utilities Under Railroad Tracks to Dewatering Facility, CWRP;
  - 24-278-3M, Replacement of TARP Coarse Screen Hoist and Installation of Low-Level Interceptor Screen, CWRP;
  - 24-901-31, Aeration Blower Improvements, SWRP;
  - 26-822-31, TARP Mechanical Equipment Improvements, CWRP.
- Award three contracts for the modernization of power distribution and control systems, with an estimated construction cost of $61.2 million:
  - 19-156-3E, Electrical Improvements at Aerated Grit, Central Heat, Pump and Blower, and Southwest Coarse Screens, SWRP;
  - 19-856-3E, TARP Control System Replacement, CSA, NSA, SSA;
  - 23-379-3E, Electrical Power Distribution and Phosphorus Removal Improvements, KWRP.

- Continue the Engineering Department's 30-year program to rehabilitate concrete structures, roofs, pumps, roads, and outlying stations to ensure the continued reliability and longevity of its facilities for the next 100 years. Three contracts will be awarded in support of this program, with an estimated construction cost of $51.6 million:
    - 19-154-3E, Low Voltage Switchgear Replacement, MSPS;
    - 24-384-3D, Rehabilitation of Service Tunnel Expansion Joints and Replacement of Road E, KWRP;
    - 25-730-21, HVAC Improvements at the Egan & Kirie Water Reclamation Plants.

In 2026, there are 18 projects scheduled for award in the Capital Improvements Bond Fund. The breakdown by program is displayed in the exhibit below.



Capital Improvements Bond Fund Program

Awards in 2026

Project Name	Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
Battery E Activated Sludge Facility, OWRP	21-092-3P	$ 325,005	1,475	Jan 2026
Electrical Power Distribution and Phosphorus Removal Improvements, KWRP	23-379-3E	23,483	1,212	Jan 2026
Replacement of Dewatering Facility, CWRP	24-268-3P	65,000	941	Jan 2026
Rehabilitation of Service Tunnel Expansion Joints and Replacement of Road E, KWRP	24-384-3D	7,006	909	Jan 2026
TARP Mechanical Equipment Improvements, CWRP	26-822-31	20,000	1,094	Jan 2026
Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA	12-369-3S	17,000	492	Feb 2026
Electrical Improvements at Aerated Grit, Central Heat, Pump and Blower, and Southwest Coarse Screens, SWRP	19-156-3E	12,750	492	Mar 2026
Aeration Blower Improvements, SWRP	24-901-31	12,250	1,401	Mar 2026
HVAC Improvements at the Egan & Kirie Water Reclamation Plants	25-730-21	19,554	975	Mar 2026
Upper Des Plaines Dropshafts 1/1A and 5 Rehabilitation and Calumet Dropshaft 34 Modification, NSA and CSA	23-378-3SR	26,500	459	Apr 2026
Low Voltage Switchgear Replacement, MSPS	19-154-3E	25,000	682	May 2026
TARP Control System Replacement, CSA, NSA, SSA	19-856-3E	25,000	503	Jun 2026
Kirie - Egan Solids Pipeline Rehabilitation Section No. 2, NSA	23-417-3S	12,500	565	Jun 2026
McCook Reservoir Stage 1 Rock Wall Stabilization, SSA	**25-191-4F**	1,500	494	Jun 2026
Install Pipe Casing and Utilities Under Railroad Tracks to Dewatering Facility, CWRP	24-269-3P	13,200	443	Sep 2026
North Side Sludge Pipeline Replacement - Section 2, OWRP	24-098-3S	2,000	352	Nov 2026
Rehabilitation of Pump and Blower House, CWRP	19-255-3D	25,000	692	Dec 2026
Replacement of TARP Coarse Screen Hoist and Installation of Low-Level Interceptor Screen, CWRP	24-278-3M	6,000	445	Dec 2026
Total 2026 Awards		$ 638,748		

Projects Under Construction

Projects under construction in the Capital Improvements Bond Fund were appropriated in prior years using the full encumbrance (obligation) method of budgetary accounting. The construction contract award amount and the full project duration are provided in this table.

Project Name	Project Number	Est. Construction Cost	Duration (days)	Award Date
Mainstream TARP Pumps Rehabilitation at the Stickney Water Reclamation Plant	18-144-3M	$ 23,720	2,459	Apr 2021
Central Boiler Facility and Electrical Updates, Hanover Park Water Reclamation Plant, Rebid	19-542-3MR	14,448	1,628	Nov 2021
Rehabilitation of Steel Spandrel Beams of Pump and Blower House, O'Brien Water Reclamation Plant	15-069-3D	22,535	1,470	Apr 2022
North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid	07-027-3SR	27,920	1,559	Jun 2022
Boilers 3, 4, 5, and MCC Replacement, Stickney Water Reclamation Plant, Rebid	19-155-3MR	21,888	1,517	May 2023
Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid	06-360-3SR	36,328	1,015	Jun 2023
Phosphorus Removal Modifications to Battery D, O'Brien Water Reclamation Plant	21-091-3P	15,511	1,018	Jun 2023
Digester Rehabilitation and Gas Piping Replacement - Phase II, Stickney Water Reclamation Plant	18-148-3P	52,435	2,304	Nov 2023
North Shore 1 Rehabilitation, NSA	10-047-3S	45,424	1,022	Jan 2024
Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA	22-094-3D	22,588	1,253	Mar 2024
39th Street Conduit Rehabilitation - Phase II, SSA	01-103-AS	41,109	771	Oct 2024
Furnish and Install Odor Control System at Thornton Reservoir	**17-273-4P**	3,065	563	Oct 2024
Salt Creek Intercepting Sewer No. 3 Rehabilitation, SSA	20-161-3S	19,988	662	Nov 2024
Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP	08-174-3D	56,449	1,022	Dec 2024
Chemical Phosphorus Removal, OWRP	20-087-3P	14,226	700	Apr 2025
HVAC Improvements at Various Locations	24-638-22	25,824	1,340	May 2025
Chemical Addition Backup System, KWRP	19-375-3P	5,398	349	Jul 2025
Kirie - Egan Solids Pipeline Rehabilitation Section No. 1, NSA	23-416-2S	7,275	530	Jul 2025
Furnish and Deliver Mechanical Dewatering Centrifuges, CWRP	25-282-3P	6,119	1,081	Sep 2025
Total Projects Under Construction		$ 462,250		

Projects Under Development

Project Name	Project Number	Est. Construction Cost	Duration (days)	Est. Award Date
West Side Aerated Grit Facility Aerated Grit Tanks 1 and 8 Installation and Blower Modifications, SWRP	25-192-3P	$ 9,000	341	Jan 2027
West Side Intercepting Sewer No. 2 Rehabilitation, SSA	20-162-3S	3,000	492	Mar 2027
Switchgear and Motor Control Center Replacement, CWRP	19-258-3E	23,000	632	Apr 2027
Calumet Intercepting Sewer No. 13 Rehabilitation, CSA	23-264-3S	14,500	562	Jun 2027
North and South Guard Valve Chambers Shotcrete Lining Rehabilitation, MSPS	24-176-3H	3,000	702	Aug 2027
Coarse Screen System Replacement, NBPS and OWRP	25-007-3M	15,000	354	Aug 2027
Southwest Side Intercepting Sewer No. 15, 16, and 17B Rehabilitation, SSA	23-173-3S	12,000	564	Nov 2027
Kirie - Egan Solids Pipeline Rehabilitation Section No. 3, NSA	23-418-3S	13,500	564	Nov 2027
Switchgear Replacement at HPWRP and Motor Control Center Replacement at Upper DuPage Reservoir, NSA	19-543-3E	9,750	682	Mar 2028
Additional Grit Removal Tank and Construction of New Plant Entrance, LWRP	19-717-3P	6,000	553	Mar 2028
Phosphorus Removal, EWRP	19-415-3P	30,000	452	Apr 2028
Gloria Alitto Majewski Reservoir Rehabilitation, NSA	22-376-3P	25,000	699	Apr 2028
Install Lagoon and Upgrade Drainage and Riser System at Fisher Farm, HPWRP	24-545-3P	13,300	1,453	Jun 2028
Harms Road Intercepting Sewer Extension No. 1 Rehabilitation, NSA	23-096-3S	9,000	562	Aug 2028
Gravity Belt Thickener Installation and Building Rehabilitation, CWRP	22-263-3P	20,000	352	Sep 2028
West Side Intercepting Sewer No. 3-D Rehabilitation, SSA	24-174-3S	19,000	562	Oct 2028
Replacement of Stop Logs and Guide, EWRP	24-422-3M	6,100	954	Nov 2028
Kirie - Egan Solids Pipeline Rehabilitation Section No. 4, NSA	23-419-3S	12,500	564	May 2029
Replacement of Devon Avenue Instream Aeration Station, NSA	24-099-3P	13,000	942	May 2029
Convert WASSTRIP Tanks to Waste Activated Sludge Thickening Tanks and Install Sludge Screen, SWRP	24-178-3P	15,000	1,467	Nov 2029
Calumet Intercepting Sewer Nos. 2, 3, 4, and 10 Rehabilitation, CSA	24-267-3S	30,000	562	Nov 2029
Reline Lagoon 6, CWRP	24-271-3P	20,000	942	Jan 2030
Utility Tunnel Expansion Joint Rehabilitation and Paving Replacement at Road A, EWRP	24-421-3D	5,500	711	May 2030
Calumet Intercepting Sewer No. 17K, 19C Relief and 18H Ext. B Rehabilitation, CSA	23-265-3S	6,500	564	Jun 2030
Lemont Intercepting Sewer No. 4 Rehabilitation, CSA	23-266-3S	11,000	564	Jun 2030
Full-Floor Aeration Installation in Battery D, OWRP	24-001-3P	5,000	942	Nov 2030
Replacement of Gravity Belt Thickeners, EWRP	24-420-3P	10,000	942	Nov 2030
Total Future Awards		$ 359,650		
Cumulative 2026 and Future Awards		$ 998,398		

Note: All cost figures are in thousands of dollars.

Bold type indicates projects to be financed by "Unlimited Tax Bonds."

TARP PHASE II PROJECT COSTS

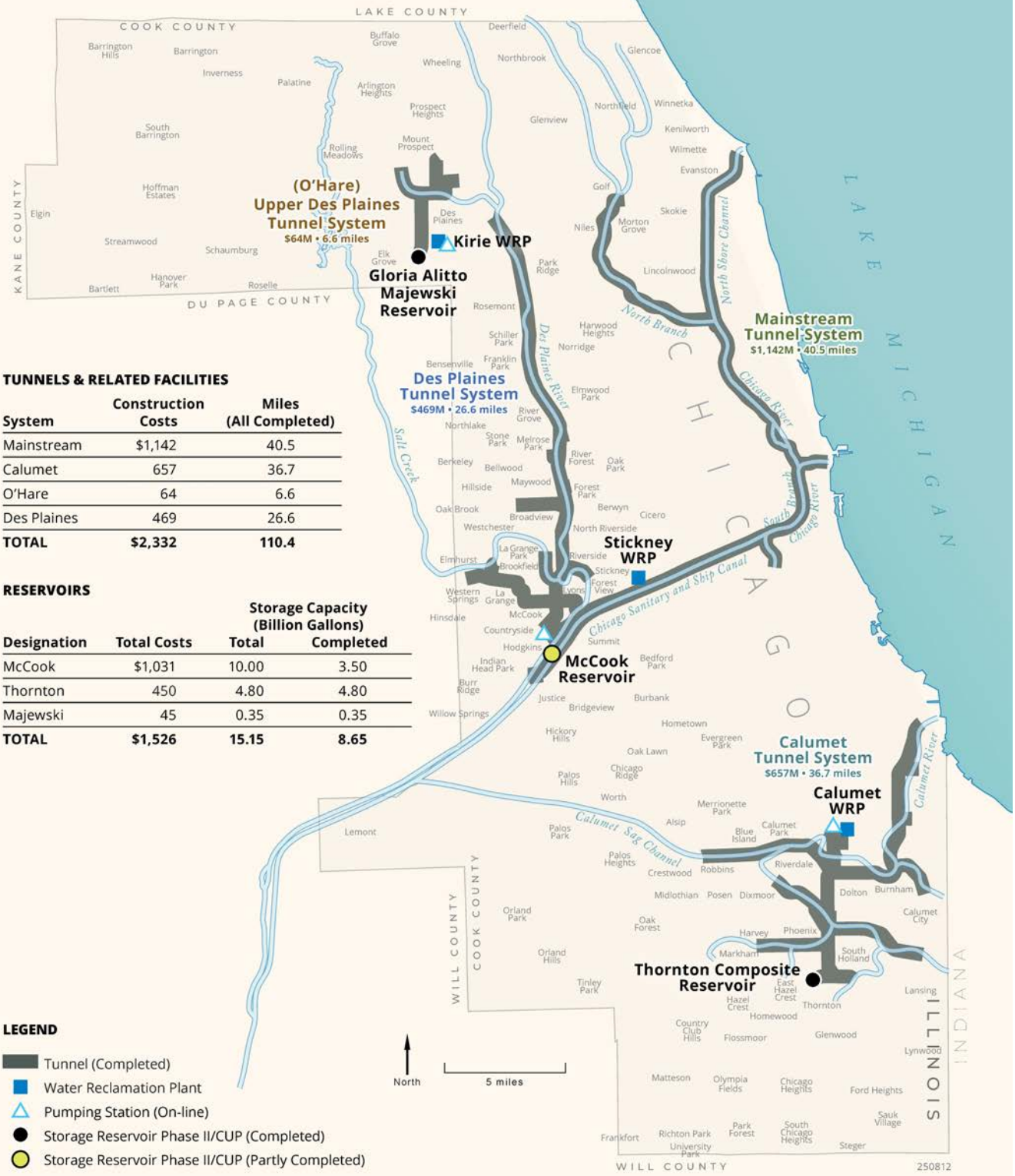
Phase I of TARP was completed in 2006 and two of the Phase II reservoirs, Majewski and Thornton, are now fully operational. Stage 1 of the McCook Reservoir became operational in December 2017 and Stage 2 will continue to be mined with completion scheduled for 2029. Though only partially complete, TARP has already been effective in reducing pollution and flooding. The Phase II Reservoir project costs are shown in the table below.

Project Name	Project Number	Design/Construction Status	Project Costs (4)	Funded by Army Corps of Engineers
Majewski Reservoir				
I - Army Corps of Engineers Contracts	73-315-2S	Construction completed in 1998	$40,819,000	75%
II - Betterments (1)	93-339-2F	Construction completed in 1998	$3,992,000	No
Thornton Reservoir				See Note (3)
I - Vincennes Avenue Relocation	77-235-AF	Construction completed in 2001	$4,398,000	
II - Transitional Reservoir GW Monitoring Wells	77-235-CF	Construction completed in 2002	$529,000	
III - Transitional Reservoir (2)	77-235-BF	Construction completed in 2003	$54,707,000	
IV - Mining, Land, and Corps Costs	77-235-2F	Mining completed in 2013	$65,210,000	
V - Tollway Dam and Grout Curtain	04-201-4F	Construction completed in 2015	$80,750,000	
VI - TARP Inlet/Outlet Tunnels and Gates	04-202-4F	Construction completed in 2015	$147,000,000	
VII - Final Reservoir Preparation	04-203-4F	Construction completed in 2015	$63,479,000	
VIII - Surface Aeration	04-203-AF	Construction completed in 2017	$1,921,000	
IX - Decommissioning Thornton Transitional Reservoir	15-266-4H5	Construction completed in 2023	$26,134,000	
X - Rock Dam Treatment	21-260-4H	Construction completed in 2023	$6,101,000	
McCook Reservoir				
I - Stages 1 and 2 - Army Corps of Engineers Contracts	73-161-2H	Reservoir constructed under several contracts	$615,937,000	75%
II - Site Preparation, Lagoons 1-10	73-161-BH	Construction completed in 2000	$889,000	$307,000 Credited
III - 73rd Street Tunnel Relocation	97-156-2H	Construction completed in 2002	$15,132,000	Credited
IV - Willow Springs Berm	96-249-2P	Construction completed in 2002	$3,593,000	No
V - Vulcan Primary Crusher Furnish and Deliver	PO3030920	Crusher purchased in 2005	$1,626,000	No
VI - Conveyance Tunnel	73-161-AH	Construction completed in 2006	$5,428,000	No
VII - Vulcan Mining Trucks and Loaders	73-161-HH	Vehicles delivered in 2007	$11,105,000	No
VIII - Vulcan Miscellaneous Mining Vehicles	73-161-GH	Vehicles delivered in 2007 and 2008	$4,409,000	No
IX - Conveyance System and Maintenance Facilities	73-161-FH	Construction completed in 2008	$32,381,000	$1.84M Credited
X - LASMA Overburden Removal	73-161-CH	Construction completed in 2010	$66,316,000	No
XI - Vulcan Rock Mining Hard Costs Less Royalty	73-161-EH	Mining underway	$81,585,000	No
XII - Stage 2 Miscellaneous Overburden Removal	73-161-JH	Construction completed in 2012	$6,510,000	No
XIII - Expanded Stage 2 Overburden Removal	73-161-DH	Construction completed in 2016	$18,743,000	No
XIV - Des Plaines Inflow Tunnel	13-106-4F	Construction completed in 2022	$109,906,000	No
XV - Expanded Stage 2 Slope Stabilization	16-125-4F	Construction completed in 2019	$8,897,000	No
XVI - McCook Reservoir Rock Wall Stabilization and Geotechnical Instrumentation	17-131-4FR	Under Construction	$21,862,000	53%
XVII - McCook Reservoir Stage 2 Final Reservoir Preparation	17-132-4F	Future	$24,796,000	69%
XVIII - Professional Services for Geotechnical Work with McCook & Thornton Reservoirs	19-151-4C	Underway	$1,491,000	75%
		Total Project Cost	$1,525,646,000	

Notes:
(1) Betterment includes a control building, reservoir outflow control gates, and monitoring system.
(2) Cost shown is the total cost of the Transitional Reservoir. Facilities that will be re-used for the Thornton Composite Reservoir account for $30,337,000 of the cost.
(3) The District designed and constructed the Thornton Composite Reservoir in anticipation of receiving reimbursement or credits from the Army Corps of Engineers. To date, the District has received reimbursements totaling $39,200,000.
(4) Includes land, engineering, and construction costs.

TUNNEL and RESERVOIR PLAN
PROJECT STATUS

Figure 1



TUNNELS & RELATED FACILITIES

System	Construction Costs	Miles (All Completed)
Mainstream	$1,142	40.5
Calumet	657	36.7
O'Hare	64	6.6
Des Plaines	469	26.6
TOTAL	**$2,332**	**110.4**

RESERVOIRS

Designation	Total Costs	Storage Capacity (Billion Gallons) Total	Completed
McCook	$1,031	10.00	3.50
Thornton	450	4.80	4.80
Majewski	45	0.35	0.35
TOTAL	**$1,526**	**15.15**	**8.65**

LEGEND

- Tunnel (Completed)
- Water Reclamation Plant
- Pumping Station (On-line)
- Storage Reservoir Phase II/CUP (Completed)
- Storage Reservoir Phase II/CUP (Partly Completed)

CAPITAL PROJECTS LISTED BY SERVICE AREA - CAPITAL IMPROVEMENTS BOND FUND

The following is a list of capital projects within the District's three major service areas. They are presented by their association with a water reclamation plant (WRP) and by their completion status: projects for 2026 award, under construction, or under development.

Bold Type indicates projects to be financed by "Unlimited Tax Bonds."

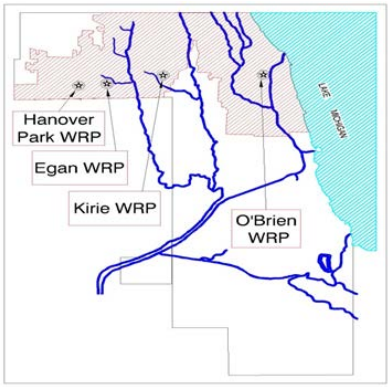
STICKNEY SERVICE AREA (SSA)

Stickney Water Reclamation Plant (SWRP)

			Estimated Substantial Completion Date		Estimated Construction Cost
Projects for 2026 Award					
19-154-3E		Low Voltage Switchgear Replacement, MSPS		$	25,000,000
19-156-3E		Electrical Improvements at Aerated Grit, Central Heat, Pump and Blower, and Southwest Coarse Screens, SWRP			12,750,000
19-856-3E		TARP Control System Replacement, CSA, NSA, SSA			25,000,000
24-901-31		Aeration Blower Improvements, SWRP			12,250,000
25-191-4F		**McCook Reservoir Stage 1 Rock Wall Stabilization, SSA**			1,500,000
				Total	**$ 76,500,000**
Projects Under Construction					
01-103-AS		39th Street Conduit Rehabilitation - Phase II, SSA	11/26	$	41,109,234
08-174-3D		Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP	09/27		56,449,000
11-187-3F	^*	Addison Creek Channel Improvements, SSA	06/26		5,600,000
13-199-3F	^*	Lyons and McCook Levee Improvements Project	02/27		1,358,335
18-144-3M		Mainstream TARP Pumps Rehabilitation at the Stickney Water Reclamation Plant	12/27		23,720,307
18-148-3P		Digester Rehabilitation and Gas Piping Replacement - Phase II, Stickney Water Reclamation Plant	03/30		52,434,512
19-155-3MR		Boilers 3, 4, 5, and MCC Replacement, Stickney Water Reclamation Plant, Rebid	06/27		21,887,761
20-161-3S		Salt Creek Intercepting Sewer No. 3 Rehabilitation, SSA	08/26		19,987,654
24-638-22		HVAC Improvements at Various Locations	12/28		25,824,000
				Total	**$ 248,370,803**
Projects Under Development					
20-162-3S		West Side Intercepting Sewer No. 2 Rehabilitation, SSA		$	3,000,000
23-173-3S		Southwest Side Intercepting Sewer No. 15, 16, and 17B Rehabilitation, SSA			12,000,000
24-174-3S		West Side Intercepting Sewer No. 3-D Rehabilitation, SSA			19,000,000
24-176-3H		North and South Guard Valve Chambers Shotcrete Lining Rehabilitation, MSPS			3,000,000

Projects Under Development (continued)		Estimated Substantial Completion Date	Estimated Construction Cost
24-178-3P	Convert WASSTRIP Tanks to Waste Activated Sludge Thickening Tanks and Install Sludge Screen, SWRP		$ 15,000,000
25-192-3P	West Side Aerated Grit Facility Aerated Grit Tanks 1 and 8 Installation and Blower Modifications, SWRP		9,000,000
		Total	**$ 61,000,000**
		Stickney Service Area Grand Total	**$ 385,870,803**

NORTH SERVICE AREA (NSA)

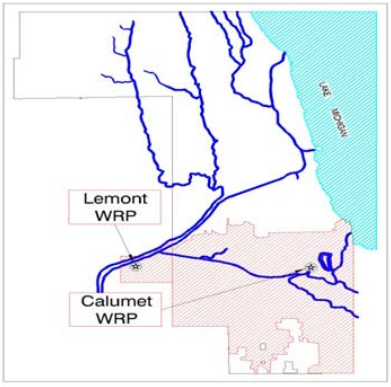


Terrence J. O'Brien Water Reclamation Plant (OWRP)
John E. Egan Water Reclamation Plant (EWRP)
James C. Kirie Water Reclamation Plant (KWRP)
Hanover Park Water Reclamation Plant (HPWRP)

		Estimated Substantial Completion Date		Estimated Construction Cost
Projects for 2026 Award				
12-369-3S	Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA		$	17,000,000
21-092-3P	Battery E Activated Sludge Facility, OWRP			325,005,000
23-378-3SR	Upper Des Plaines Dropshafts 1/1A and 5 Rehabilitation and Calumet Dropshaft 34 Modification, NSA and CSA			26,500,000
23-379-3E	Electrical Power Distribution and Phosphorus Removal Improvements, KWRP			23,483,316
23-417-3S	Kirie - Egan Solids Pipeline Rehabilitation Section No. 2, NSA			12,500,000
24-098-3S	North Side Sludge Pipeline Replacement - Section 2, OWRP			2,000,000
24-384-3D	Rehabilitation of Service Tunnel Expansion Joints and Replacement of Road E, KWRP			7,005,633
25-730-21	HVAC Improvements at the Egan & Kirie Water Reclamation Plants			19,553,600
			Total	**$ 433,047,549**
Projects Under Construction				
06-360-3SR	Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid	03/26	$	36,327,514
07-027-3SR	North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid	09/26		27,920,406
10-047-3S	North Shore 1 Rehabilitation, NSA	11/26		45,424,021
15-069-3D	Rehabilitation of Steel Spandrel Beams of Pump and Blower House, O'Brien Water Reclamation Plant	04/26		22,535,209
19-375-3P	Chemical Addition Backup System, KWRP	07/26		5,398,000
19-542-3MR	Central Boiler Facility and Electrical Updates, Hanover Park Water Reclamation Plant, Rebid	05/26		14,448,052
20-087-3P	Chemical Phosphorus Removal, OWRP	03/27		14,226,000
21-091-3P	Phosphorus Removal Modifications to Battery D, O'Brien Water Reclamation Plant	03/26		15,511,122
22-094-3D	Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA	08/27		22,587,970
23-416-2S	Kirie - Egan Solids Pipeline Rehabilitation Section No. 1, NSA	12/26		7,274,537
			Total	**$ 211,652,831**
Projects Under Development				
19-415-3P	Phosphorus Removal, EWRP		$	30,000,000
19-543-3E	Switchgear Replacement at HPWRP and Motor Control Center Replacement at Upper DuPage Reservoir, NSA			9,750,000
22-376-3P	Gloria Alitto Majewski Reservoir Rehabilitation, NSA			25,000,000

Projects Under Development (continued)		Estimated Substantial Completion Date	Estimated Construction Cost
23-096-3S	Harms Road Intercepting Sewer Extension No. 1 Rehabilitation, NSA		$ 9,000,000
23-418-3S	Kirie - Egan Solids Pipeline Rehabilitation Section No. 3, NSA		13,500,000
23-419-3S	Kirie - Egan Solids Pipeline Rehabilitation Section No. 4, NSA		12,500,000
24-001-3P	Full-Floor Aeration Installation in Battery D, OWRP		5,000,000
24-099-3P	Replacement of Devon Avenue Instream Aeration Station, NSA		13,000,000
24-420-3P	Replacement of Gravity Belt Thickeners, EWRP		10,000,000
24-421-3D	Utility Tunnel Expansion Joint Rehabilitation and Paving Replacement at Road A, EWRP		5,500,000
24-422-3M	Replacement of Stop Logs and Guide, EWRP		6,100,000
24-545-3P	Install Lagoon and Upgrade Drainage and Riser System at Fisher Farm, HPWRP		13,300,000
25-007-3M	Coarse Screen System Replacement, NBPS and OWRP		15,000,000
		Total	**$ 167,650,000**
		North Service Area Grand Total	**$ 812,350,380**

CALUMET SERVICE AREA (CSA)



Calumet Water Reclamation Plant (CWRP)
Lemont Water Reclamation Plant (LWRP)

		Estimated Substantial Completion Date		Estimated Construction Cost
Projects for 2026 Award				
19-255-3D	Rehabilitation of Pump and Blower House, CWRP		$	25,000,000
24-268-3P	Replacement of Dewatering Facility, CWRP			65,000,000
24-269-3P	Install Pipe Casing and Utilities Under Railroad Tracks to Dewatering Facility, CWRP			13,200,000
24-278-3M	Replacement of TARP Coarse Screen Hoist and Installation of Low-Level Interceptor Screen, CWRP			6,000,000
26-822-31	TARP Mechanical Equipment Improvements, CWRP			20,000,000
			Total	**$ 129,200,000**
Projects Under Construction				
17-273-4P	**Furnish and Install Odor Control System at Thornton Reservoir**	05/26	$	3,064,500
25-282-3P	Furnish and Deliver Mechanical Dewatering Centrifuges, CWRP	08/28		6,119,054
			Total	**$ 9,183,554**
Projects Under Development				
19-258-3E	Switchgear and Motor Control Center Replacement, CWRP		$	23,000,000
19-717-3P	Additional Grit Removal Tank and Construction of New Plant Entrance, LWRP			6,000,000
22-263-3P	Gravity Belt Thickener Installation and Building Rehabilitation, CWRP			20,000,000
23-264-3S	Calumet Intercepting Sewer No. 13 Rehabilitation, CSA			14,500,000
23-265-3S	Calumet Intercepting Sewer No. 17K, 19C Relief and 18H Ext. B Rehabilitation, CSA			6,500,000
23-266-3S	Lemont Intercepting Sewer No. 4 Rehabilitation, CSA			11,000,000
24-267-3S	Calumet Intercepting Sewer Nos. 2, 3, 4, and 10 Rehabilitation, CSA			30,000,000
24-271-3P	Reline Lagoon 6, CWRP			20,000,000
			Total	**$ 131,000,000**
			Calumet Service Area Grand Total	**$ 269,383,554**
			Capital Projects Grand Total - All Service Areas	**$ 1,467,604,737**

^ These projects are part of the Stormwater Management Program. Detailed information about this fund and these project fact sheets appear in Section VI of this budget document.

* These projects are funded by the Capital Improvements Bond Fund and the Stormwater Management Fund.

39th Street Conduit Rehabilitation - Phase II, SSA

Project Number 01-103-AS

Service Area Stickney

Location Chicago, IL

Engineering Consultant In-house design

Engineering Contractor Michels Trenchless, Inc.

Estimated Construction Cost $41,109,234

Contract Award Date October 2024

Substantial Completion Date November 2026

Project Description This project will rehabilitate a portion of the 100+ year-old conduit lying under 39th Street (Pershing Road), stretching from a former pumping station near Lake Michigan to its discharge at the Racine Avenue Pumping Station (RAPS). The project includes approximately 3,280 feet of concrete intercepting sewer rehabilitation from Halsted Street to RAPS, as well as associated manholes and connecting structures.

The 39th Street conduit consists of the following three segments:

1. The first segment is a 22'0" x 23'0" horseshoe constructed of reinforced concrete that extended the conduit westward approximately 2,466 feet from Halsted Street to east of Racine Avenue.

2. The second segment is a 24'0" x 27'0" horseshoe constructed of reinforced concrete that runs northwest for approximately 367 feet and drops into the double-barrel sewer connecting to RAPS.

3. The third segment is the 16'0" x 12'0" RAPS double-barrel rectangular reinforced concrete connecting sewer, with invert elevation approximately 10-feet lower than the invert of the rest of the 39th Street conduit. This runs west approximately 447 feet and curves into RAPS.

Project Justification The 39th Street conduit is approximately 110 years old. The conduit receives combined sewage from a service area of approximately nine square miles on the southeast side of Chicago. Video inspection of this conduit indicates severe deterioration, including loss of bricks, infiltrating joints, and mineral deposits at a number of places, which could eventually lead to a collapse. Under Phase I of the project, a bypass tunnel was constructed to allow for the rehabilitation of the 39th Street conduit. Rehabilitation of the conduit will ensure long-term drainage for over 145,000 people in its service area.

Project Status Construction

Upper Des Plaines Intercepting Sewer 14B Rehabilitation, NSA, Rebid

Project Number 06-360-3SR

Service Area North

Location Wheeling, IL

Engineering Consultant In-house design

Engineering Contractor Michels Trenchless, Inc.

Estimated Construction Cost $36,327,514

Contract Award Date June 2023

Substantial Completion Date March 2026

Project Description This project entails rehabilitating 2,888 feet of 48-inch diameter sewer and 11,908 feet of 69-inch diameter sewer by cured-in-place pipe lining and/or the slip lining method, rehabilitating 28 manholes/ structures and the abandonment of one offset manhole.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system. The video inspection tapes show cracks (circular and longitudinal), sewage solids deposits, sags, offset joints, root intrusion, infiltration, and concrete erosion. Physical inspection of the manholes revealed cracks and holes in the walls and bases of the manholes and in one offset manhole, which is part of a control structure, and 85 feet of 3'6"x4'6" pipe.

Project Status Construction

North Side Sludge Pipeline Replacement - Section 1, NSA, Rebid

Project Number 07-027-3SR

Service Area North

Location Chicago, Lincolnwood, and Skokie, IL

Engineering Consultant In-house design

Engineering Contractor Joel Kennedy Constructing Corp.

Estimated Construction Cost $27,920,406

Contract Award Date June 2022

Substantial Completion Date September 2026

Project Description This project will replace Section 1 of the existing North Side Sludge Pipeline with 19,000 feet of 20-inch diameter force main, construct air relief, blow off and clean out structures, and rehabilitate 43 existing structures located in the City of Chicago and the Villages of Lincolnwood and Skokie.

Project Justification Due to external corrosion and damage caused by construction activities of others in the area, the pipeline developed numerous holes over the years resulting in sludge overflowing into the North Shore Channel. In order to increase the reliability of sludge conveyance, the pipeline needs to be rehabilitated and/or replaced. The structures were inspected by the Maintenance & Operations Department in January 2008 with a closed-circuit television inspection system and by physical inspection. The video inspection shows that the piping and valves inside the structures have corroded. Due to the importance of the North Side Sludge Pipeline, the piping and valves in the 43 structures will be removed and replaced. New automatic air release valves will be installed in the remaining existing structures to preserve the useful life of those structures.

Project Status Construction

Battery A Improvements and Battery B Installation of Mechanical Mixers, SWRP

Project Number 08-174-3D

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $56,449,000

Contract Award Date December 2024

Substantial Completion Date September 2027

Project Description This project entails concrete rehabilitation and the installation of railing at the Battery A final settling tanks and influent channels, air piping replacement in the Battery A aeration tanks, and the installation of mechanical mixers in the Battery B aeration tanks at the Stickney WRP. This project also includes the installation of a transfer slab below "F" Street to protect the Battery A main effluent conduit below and allow heavy traffic over the road.

Project Justification This project will rehabilitate the 80-year-old concrete in the Battery A final settling tanks, which is severely deteriorated in some locations and falling into the tanks. The addition of railing around final settling tanks and along the mixed liquor channel will safeguard against employees, contractors, and/or visitors falling into the tanks and channels. The addition of safety davit sleeves will allow for the use of portable davit hoists, making any necessary emergency retrieval of injured person(s) from tanks safer and quicker. In addition, this project will replace the air drops in the Battery A aeration tanks which are corroded and broken in multiple locations, resulting in inefficient aeration. Mechanical mixers will be installed in the Battery B aeration tanks, which is required to properly mix the anaerobic zones in the biological phosphorus removal process. Lastly, the installation of a load transfer slab over the main effluent conduit will permit the replacement of "F" Street to allow heavy truck and construction traffic. Historically, traffic on this street has been limited to light single axle vehicles. Increasing the road capacity will improve construction access and facilitate improvements in the future.

Project Status Construction

North Shore 1 Rehabilitation, NSA

Project Number 10-047-3S

Service Area North

Location Evanston, Kenilworth, Wilmette, and Winnetka, IL

Engineering Consultant In-house design

Engineering Contractor Inliner Solutions, LLC

Estimated Construction Cost $45,424,021

Contract Award Date January 2024

Substantial Completion Date November 2026

Project Description This project will rehabilitate a 10,108-foot long 6'0"x9'0" sewer, a 4,264-foot long 6'0"x8'0" sewer, a 520-foot long 15-inch sewer, and 23 manhole structures in Kenilworth, Wilmette, and Winnetka. The project will also construct three manholes on the Evanston Intercepting Sewer No. 1 and modify DS-M105E in Evanston.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system. The video shows infiltration and concrete/metal deterioration due to hydrogen sulfide. In order to restore the hydraulic and structural integrity of the sewers, they need to be rehabilitated. The manholes and structures exhibit similar signs of deterioration and also need to be rehabilitated. Construction of new manholes along the Evanston intercepting sewer is necessary to provide access to the sewer at pipe bends and longer segments. Modifications to DS-M105E will disconnect a City of Evanston storm sewer from the combined sewer system. The storm sewer will be reconnected to an outfall to discharge stormwater to the nearest waterway.

Project Status Construction

Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA

Project Number 12-369-3S

Service Area North

Location Elk Grove Village and Mount Prospect, IL

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $17,000,000

Contract Award Date February 2026

Substantial Completion Date June 2027

Project Description This project will rehabilitate 13,450 feet of 36-inch sewer and 1,089 feet of 54-inch sewer by cured-in-place pipe lining and the rehabilitation of 37 manholes by spray-on products and six manhole structures.

Project Justification The sewer was inspected by a closed-circuit television system. The video showed infiltration and concrete/metal deterioration due to hydrogen sulfide. The manholes and structures exhibited similar signs of deterioration. In order to restore the hydraulic and structural integrity of the sewer and manholes/structure, they need to be rehabilitated.

Project Status Design

Rehabilitation of Steel Spandrel Beams of Pump and Blower House, O'Brien Water Reclamation Plant

Project Number 15-069-3D

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $22,535,209

Contract Award Date April 2022

Substantial Completion Date April 2026

Project Description This project consists of rehabilitating the Pump and Blower House building roof and facade components at the O'Brien WRP. Besides protecting, rehabilitating, and structurally strengthening steel frame beams and columns embedded in the masonry wall, the scope of work includes localized roof deck rehabilitation including roof slope remediation, full roofing membrane and insulation replacement, full masonry and flashing rehabilitation at roof parapet walls, localized windows and exterior doors rehabilitation, localized tuckpointing, and other miscellaneous rehabilitation work associated or incidental to a facade/roof rehabilitation project. The District's Structural/Architectural Design Section will be working with RME, Inc., a Chicago-based consulting company. District staff will manage the rehabilitation design process, review, and approve all submitted rehabilitation documents, administer the contract, and oversee the construction. In addition, the District will manage the contract budget and payments. The project goal is to rehabilitate the Pump and Blower House roof and facade and extend the building life span for another 50 to 90 years.

Project Justification The Pump and Blower House has not undergone major structural rehabilitation since it was built in 1926. During its 90 years of service, the building has undergone general maintenance including reroofing, window repair, and tuckpointing. In 2013, a portion of the south parapet wall collapsed due to corrosion of the steel spandrel beams that frame the upper roof and support the parapet walls. The steel roof beams that are part of the building's vertical (gravity) and lateral (wind/seismic) loads resisting system were compromised by water infiltration. Subsequent inspection openings were made to examine the embedded steel framing, and similar damage was found around the perimeter of the building. Reinforcing the existing steel framing will extend the useful service life of the structure and prevent further damage to the existing masonry and limestone.

Project Status Construction

Furnish and Install Odor Control System at Thornton Reservoir

Project Number 17-273-4P

Service Area Calumet

Location Thornton Reservoir

Engineering Consultant In-house design

Engineering Contractor Independent Mechanical Industries, Inc.

Estimated Construction Cost $3,064,500

Contract Award Date October 2024

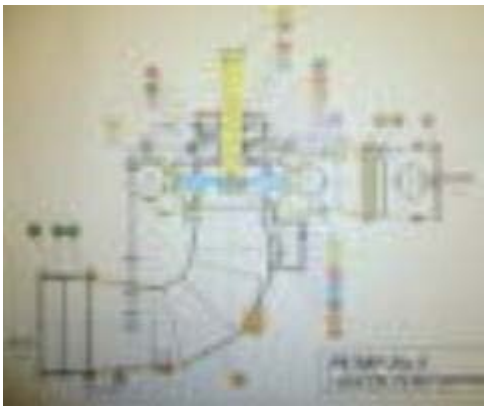
Substantial Completion Date May 2026

Project Description This project entails installing a carbon filter odor control system to treat exhaust from two dropshafts located northeast of the Thornton Reservoir at Indiana Avenue and State Street.

Project Justification This project will reduce the odor emissions that affect the District's neighbors and staff.

Project Status Construction

Mainstream TARP Pumps Rehabilitation at the Stickney Water Reclamation Plant



Project Number 18-144-3M

Service Area Stickney

Location Mainstream Pumping Station

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $23,720,307

Contract Award Date April 2021

Substantial Completion Date December 2027

Project Description This project will completely overhaul Tunnel and Reservoir Plan Pumps 1 and 3 in the South Pump House and Pump 5 in the North Pump House of the Mainstream Pumping Station, including the associated motors and discharge cone valves and actuators, in order to restore capacity and reliability. The complete overhaul of the pump and motor involves the furnishing and installing of new parts, refurbishing existing salvageable parts, replacing motor exciter panels, and upgrading pump control components.

Project Justification This project will reduce the maintenance labor required, allow for better pump and motor monitoring, and improve reliability. Once the overhaul is complete, there will be a reduction in the electrical energy usage to power pumps, as the pump will operate more efficiently by being able to pump more fluid in less time. The overhaul will also extend the useful life of the pumps and motors, which have been in service since May 1985.

Project Status Construction

Digester Rehabilitation and Gas Piping Replacement - Phase II, Stickney Water Reclamation Plant

Project Number 18-148-3P

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $52,434,512

Contract Award Date November 2023

Substantial Completion Date March 2030

Project Description This project entails the replacement of digester gas piping in which recent work uncovered extensive fouling and iron sulfide buildup. Replacement of gas piping is required to ensure safety of operations and adequate capacity to convey the additional digester gas expended from the conversion of the Imhoff Tanks to primary settling tanks. Rehabilitation and replacement of the gas mixing piping within the digesters will allow for installation of the final mixing system under a separate contract, without the need to drain the digester.

Project Justification Gas piping needs to be replaced to ensure safety of operations and adequate capacity.

Project Status Construction

Low Voltage Switchgear Replacement, MSPS

Project Number 19-154-3E

Service Area Stickney

Location Mainstream Pumping Station

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $25,000,000

Contract Award Date May 2026

Substantial Completion Date March 2028

Project Description This project will replace six double-ended 480V switchgears (Switchgears SG-LV-SSB, SG-LV-NSB, SG-LV-ESS, SG-LV-VS, SG-LV-VN, and SG-LV-TRB) at the Mainstream Pumping Station. Each switchgear lineup consists of two 1,500 kVA, 13.2kV/480-277V transformers which will also be replaced.

Project Justification The electrical equipment is over 30 years old and is in poor condition. In order to avoid failure and ensure the appropriate level of service, the equipment must be replaced.

Project Status Design

Boilers 3, 4, 5, and MCC Replacement, Stickney Water Reclamation Plant, Rebid

Project Number	19-155-3MR
Service Area	Stickney
Location	Stickney WRP
Engineering Consultant	In-house design
Engineering Contractor	Path Construction Company, Inc.
Estimated Construction Cost	$21,887,761
Contract Award Date	May 2023
Substantial Completion Date	June 2027

Project Description This project will install new replacement boilers that will have co-firing of digester gas and natural gas to maximize the available digester gas. Existing boilers No. 3, 4, and 5, and motor control centers (MCCs) are at the end of their useful lives and require excessive maintenance. A deaerator will also be installed to provide for complete redundancy. Upgrades also include the boiler chemical systems and controls, the boiler MCCs, and lighting.

Project Justification This project replaces existing boilers No. 3, 4, and 5, and MCCs which are at the end of their useful lives and require excessive maintenance.

Project Status Construction

Electrical Improvements at Aerated Grit, Central Heat, Pump and Blower, and Southwest Coarse Screens, SWRP

Project Number 19-156-3E

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $12,750,000

Contract Award Date March 2026

Substantial Completion Date August 2027

Project Description This project will replace low voltage switchgear and motor control centers.

Project Justification This electrical equipment is over 30 years old and is in poor condition. In order to avoid failure and ensure the appropriate level of service, the equipment must be replaced.

Project Status Design

Rehabilitation of Pump and Blower House, CWRP

Project Number 19-255-3D

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $25,000,000

Contract Award Date December 2026

Substantial Completion Date November 2028

Project Description This project consists of rehabilitating the Pump and Blower House building roof and facade components at the Calumet WRP. Besides protecting, rehabilitating, and structurally strengthening steel frame beams and columns embedded in the masonry wall, the scope of work includes roof slope remediation, full roofing membrane and insulation replacement, masonry and flashing rehabilitation at roof parapets, localized tuckpointing, and other miscellaneous rehabilitation work associated or incidental to a facade/roof rehabilitation project. The District's Structural/Architectural Design Section will be working with RME, Inc., a Chicago-based consulting company. District staff will manage the rehabilitation design process, review and approve all submitted rehabilitation documents, administer the contract, and oversee the construction. In addition, the District will manage the contract budget and payments. The project goal is to rehabilitate the Pump and Blower House roof and facade and extend the building life span for another 50 to 90 years.

Project Justification The envelope of the building is in poor condition. Rehabilitation is required to ensure the structural integrity and long-term operation and maintenance requirements of the building.

Project Status Design

Chemical Addition Backup System, KWRP

Project Number 19-375-3P

Service Area North

Location Kirie WRP

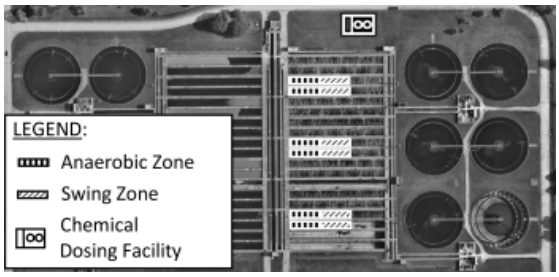
Engineering Consultant In-house design

Engineering Contractor John Burns Construction Company, LLC

Estimated Construction Cost $5,398,000

Contract Award Date July 2025

Substantial Completion Date July 2026



Project Description This project includes a chemical phosphorus removal backup system, including chemical storage tanks, a spill containment area, feed pumps, and piping.

Project Justification The Kirie WRP has a total phosphorus effluent limit of 1.0 mg/L that takes effect within five years of the effective date of the permit as part of the Lower Des Plaines Watershed Workgroup, which is currently scheduled to be in August 2026. The chemical addition system will serve as a backup for times when the plant cannot meet the phosphorus effluent limit with biological treatment alone.

Project Status Construction

Central Boiler Facility and Electrical Updates, Hanover Park Water Reclamation Plant, Rebid

Project Number 19-542-3MR

Service Area North

Location Hanover Park WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $14,448,052

Contract Award Date November 2021

Substantial Completion Date May 2026

Project Description This project will remove two natural gas boilers and provide five new boilers (two natural gas and three digester gas/natural gas) in the Pump and Blower Building. Five digester gas/natural gas boilers will be removed from the Digester Complex. All associated mechanical piping, electrical, control, civil, and structural work needed to provide hot water for process and building heating demands will be completed. Replace digester gas piping and remove and replace all electrical equipment, such as motor control center, motors, conduit, gas alarm system, fire alarm system, lighting, etc., with explosion-proof equipment in the classified areas to meet National Fire Protection Association 820 requirements.

Project Justification This project replaces the boilers in the Digester Complex which are 10 to 20 years old and do not perform properly, as the control systems are not reliable (due to hydrogen sulfide gas-related corrosion) and need to be removed to comply with National Fire Protection Association 820 requirements. Centralized boiler operation will maximize the use of available digester gas. Existing electrical equipment in the Digester Complex does not meet the National Fire Protection Association 820 requirement and needs to be replaced with explosion-proof rated equipment or relocated to an unclassified location. The natural gas boilers in the Pump and Blower Building are more than 35 years old, parts are no longer supported by the original equipment manufacturer, and procuring the replacement parts has been increasingly difficult and costly. Also, the State of Illinois Boiler Inspector recommended the boilers be operated in low fire only, due to their poor conditions.

Project Status Construction

TARP Control System Replacement, CSA, NSA, SSA

Project Number 19-856-3E

Service Area Calumet, North, and Stickney

Location Calumet, North, and Stickney WRPs

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $25,000,000

Contract Award Date June 2026

Substantial Completion Date November 2027

Project Description This project entails the replacement of the communication and control system for Tunnel and Reservoir Plan (TARP) control structures throughout the District. Line of sight radio communications are to be replaced with secure cellular network communications. The existing controllers at TARP control structures and reporting sites are to be replaced and reconfigured to communicate with cellular transmission. This project will also provide distributed control system upgrades at the Lockport Powerhouse.

Project Justification The control system equipment is no longer available. In order to avoid failure and ensure the appropriate level of service, the equipment must be replaced.

Project Status Design

Chemical Phosphorus Removal, OWRP

Project Number 20-087-3P

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $14,226,000

Contract Award Date April 2025

Substantial Completion Date March 2027

Project Description This project will provide a chemical phosphorus removal system at the O'Brien WRP. Aluminum sulfate (alum) is the chemical that will be used to remove phosphorus from the treatment process. It will be dosed at the effluent channel of aeration tanks in Batteries A, B, C, and D. Once Battery E is constructed, alum will also be dosed to its final tanks. The project will include chemical storage tanks and alum feed pumps as well as piping, instruments, and electrical work. Chemical phosphorus removal will be used as a back-up for the future enhanced biological phosphorus removal process in Batteries A, B, C, D, and E.

Project Justification This project addresses the District's National Pollutant Discharge Elimination System (NPDES) permit, which will require a 1.0 mg/L effluent limit for phosphorus by 2027. The chemical removal system will allow the O'Brien WRP to achieve compliance with the NPDES permit phosphorus effluent limit during any upsets with the future enhanced biological phosphorus removal process in Batteries A, B, C, D, and in the future Battery E. The process has proven to be effective in achieving the 2030 phosphorus effluent requirement of 0.5 mg/L. This new facility will allow chemical polishing to ensure that the effluent phosphorus limitations in the NPDES permit are consistently met.

Project Status Construction

Salt Creek Intercepting Sewer No. 3 Rehabilitation, SSA

Project Number 20-161-3S

Service Area Stickney

Location Brookfield and La Grange Park, IL

Engineering Consultant In-house design

Engineering Contractor Inliner Solutions, LLC

Estimated Construction Cost $19,987,654

Contract Award Date November 2024

Substantial Completion Date August 2026

Project Description This project consists of rehabilitating 10,681 feet of 42-inch by 60-inch diameter concrete sewer pipe, as well as 4,410 feet of 36-inch diameter concrete sewer pipe by the cured-in-place pipe lining and/or the slip lining method, filling large voids and holes in the sewer invert, and rehabilitating 31 manholes.

Project Justification The sewers were inspected by the Maintenance & Operations Department with a closed-circuit television inspection system and via man entry. The inspection showed cracks (circular and longitudinal), sewage solid deposits, voids, missing concrete, offset joints, root intrusion, infiltration, and concrete erosion. Physical inspection of the manholes revealed cracks and holes in the walls and bases of the manholes.

Project Status Construction

Phosphorus Removal Modifications to Battery D, O'Brien Water Reclamation Plant

Project Number 21-091-3P

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC

Estimated Construction Cost $15,511,122

Contract Award Date June 2023

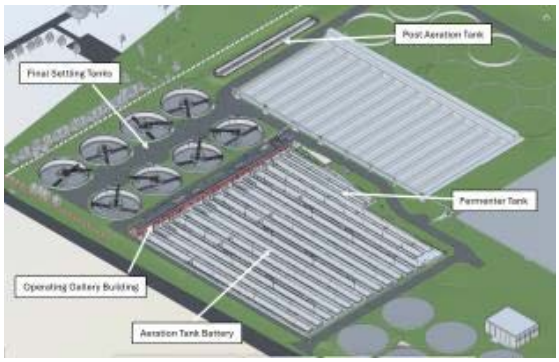
Substantial Completion Date March 2026

Project Description This project will include pumps (including a new pump building to house return activated sludge pumps), piping, mixers, and baffles to support sidestream enhanced biological phosphorus removal in Battery D at the O'Brien WRP.

Project Justification Per the compliance schedule in the National Pollutant Discharge Elimination System permit, the O'Brien WRP must install biological phosphorus removal in all batteries by July 31, 2025 to meet a new total phosphorus effluent limit of 1.0 mg/L beginning August 1, 2027. Sidestream enhanced biological phosphorus removal through return activated sludge fermentation will be used to meet these new limits. The fermentation of return activated sludge in this process encourages the growth of phosphorus-accumulating organisms, stabilizes phosphorus removal, and allows for greater phosphorus removal under less favorable influent conditions.

Project Status Construction

Battery E Activated Sludge Facility, OWRP



Project Number 21-092-3P

Service Area North

Location O'Brien WRP

Engineering Consultant AECOM Technical Services

Engineering Contractor To be determined

Estimated Construction Cost $325,005,000

Contract Award Date January 2026

Substantial Completion Date January 2030

Project Description This project will construct a new activated sludge facility entitled Battery E, which shall consist of an aeration tank battery, return activated sludge fermenter tank, final settling tanks, operating gallery building, influent and effluent conduits, post aeration channel, utility tunnel, and all other supporting infrastructure.

Project Justification Per the National Pollutant Discharge Elimination System permits for the O'Brien WRP, the District must meet a new 1.0 mg/L monthly average total phosphorus effluent limit beginning August 1, 2027, and a 0.5 mg/L annual geometric mean total phosphorus effluent limit by January 1, 2030. Sidestream enhanced biological phosphorus removal through return activated sludge fermentation will be used to meet these new limits. The addition of sidestream enhanced biological phosphorus removal will decrease aeration volume and existing capacity by almost 16 percent by converting existing aeration tankage to return activated sludge fermentation tanks. Therefore, a new activated sludge aeration battery, Battery E, is required to make up for the lost aeration volume. Battery E will also allow for more extensive rehabilitation of existing Batteries A, B, and C, which are nearing 100 years old, to ensure continued operation of the O'Brien WRP for another 100 years.

Project Status Design

Rehabilitation of Elevated Deck and Boat Dock at North Branch Pumping Station, NSA

Project Number 22-094-3D

Service Area North

Location North Branch Pumping Station

Engineering Consultant In-house design

Engineering Contractor Path Construction Company, Inc.

Estimated Construction Cost $22,587,970

Contract Award Date March 2024

Substantial Completion Date August 2027

Project Description This project will replace deteriorated exterior concrete decking, stairs, boat dock, and balustrades at the North Branch Pumping Station and will also replace flap gates at nearby Dropshaft DS-91.

Project Justification The North Branch Pumping Station is nearly 100 years old and structural rehabilitation is required to address deterioration of the exterior elevated concrete deck, boat dock, and boat dock stairs. Upon completion of the structural rehabilitation, new cast stone balustrade and light pylons will be installed. The project will also replace the flap gates at the nearby connecting structure to Dropshaft DS-91.

Project Status Construction

Upper Des Plaines Dropshafts 1/1A and 5 Rehabilitation and Calumet Dropshaft 34 Modification, NSA and CSA

Project Number	23-378-3SR
Service Area	North and Calumet
Location	Chicago, IL
Engineering Consultant	In-house design
Engineering Contractor	To be determined
Estimated Construction Cost	$26,500,000
Contract Award Date	April 2026
Substantial Completion Date	July 2027

Project Description This project will include rehabilitation work at the Upper Des Plaines Dropshaft 5 by means of slip lining or form and pour, repairing 100 feet of 108-inch pipe by either cured-in-place pipe lining or geopolymer lining, repairing 100 feet of the dropshaft exit conduit with geopolymer, replacing deteriorated louvers and grating, abandonment of an existing odor control structure, installing a suppression weir in the Upper Des Plaines Tunnel near Dropshaft 1/1A, installation of new timber backflow gates in Calumet Dropshaft 34, and other necessary work.

Project Justification This project will reduce events of geysering, combined sewer overflows, and restore the structural integrity of existing structures.

Project Status Design

Electrical Power Distribution and Phosphorus Removal Improvements, KWRP

Project Number 23-379-3E

Service Area North

Location Kirie WRP

Engineering Consultant TYLin

Engineering Contractor To be determined

Estimated Construction Cost $23,483,316

Contract Award Date January 2026

Substantial Completion Date May 2029

Project Description This project will replace medium voltage switchgear M11, eight motor control centers, metering for substations, ground fault detectors, and arc flash mitigation at the Majewski Reservoir. In addition to the power distribution improvements, this project will convert all six aeration tanks in Battery A to an enhanced biological phosphorus removal system by installing baffle walls, large-bubble mixers, and actuated air valves, as well as modifying the Kirie WRP distributed control system for automated control and monitoring.

Project Justification The electrical equipment is over 30 years old and is in poor condition. In order to avoid failure and ensure the appropriate level of service, the equipment must be replaced. Switchgear M11 will have the ability to transfer buses. Currently, bus transfer can only be done at the Commonwealth Edison-owned transfer switch, which requires costly upkeep. The additional scope of phosphorus removal was removed from Contract 19-375-3P and added to this contract.

Project Status Design

Kirie - Egan Solids Pipeline Rehabilitation Section No. 1, NSA

Project Number 23-416-2S

Service Area North

Location Egan WRP

Engineering Consultant In-house design

Engineering Contractor Michels Trenchless, Inc.

Estimated Construction Cost $7,274,537

Contract Award Date July 2025

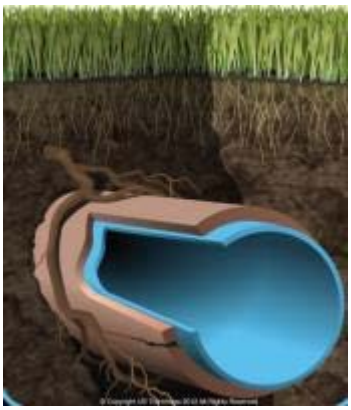
Substantial Completion Date December 2026

Project Description This project will consist of the rehabilitation of 2,705 feet of 18-inch sewer by cured-in-place pipe lining process between stations 0+00 and 27+05. Four manholes will be rehabilitated with spray-on epoxy products and by carbon fiber reinforced polymer lining system.

Project Justification There has been a total of four breaks along the existing 18-inch solids pipeline between stations 0+00 and 27+05 as reported by the Maintenance & Operations Department. The subject contract will rehabilitate the existing pipeline between these stations to address the aforementioned critical areas.

Project Status Construction

Kirie - Egan Solids Pipeline Rehabilitation Section No. 2, NSA



Project Number 23-417-3S

Service Area North

Location Egan WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $12,500,000

Contract Award Date June 2026

Substantial Completion Date January 2028

Project Description This project will consist of the rehabilitation of 7,650 linear feet of 18-inch sewer pipe by cured-in-place pipe lining process and nine structures will be rehabilitated with spray-on epoxy products and by carbon fiber reinforced polymer lining system. The rehabilitation efforts will occur between stations 27+05 to 103+54.

Project Justification There have been a total of five pipeline breaks requiring emergency repair since July, 2023. The first four breaks in the existing pipeline have occurred near the Egan WRP, west of interstate I-290. Two breaks with unknown locations occurred prior to 2010, one break at station 0+00 in 2012, and one break at station 4+10 in 2022. The fifth break occurred in 2023 on the Kirie WRP grounds in the existing 18-inch waste activated sludge line. The existing solids pipeline was originally constructed in 1978 under contract 71-311-2S to transport activated sludge from the Kirie WRP to the Egan WRP for treatment and final disposal. The pipeline begins at the Egan WRP, travels along the west side of Highway I-90 approximately 2,200 feet to a point, thence east for approximately 26,300 feet to the Northwest Tollway, thence north for approximately 1,100 feet to the Kirie WRP.

Project Status Design

North Side Sludge Pipeline Replacement - Section 2, OWRP

Project Number 24-098-3S

Service Area North

Location O'Brien WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $2,000,000

Contract Award Date November 2026

Substantial Completion Date October 2027

Project Description This project will make improvements within the O'Brien WRP from the Process Control Building to Structure A, including the demolition of approximately 330 linear feet of existing 18-inch ductile iron force main and approximately 55 linear feet of existing 14-inch ductile iron force main, and the construction of approximately 330 linear feet of 20-inch ductile iron force main and approximately 55 linear feet of 16-inch ductile iron force main.

Project Justification The existing force main pipelines and associated piping, casings, reducers, splices, supports, and process piping from the Process Control Building to Structure A are deteriorated and have reached their designed service life. The existing force main pipelines are in need of upgrades and improvements in order to meet design capacity and daily outputs.

Project Status Design

Replacement of Dewatering Facility, CWRP

Project Number 24-268-3P

Service Area Calumet

Location Calumet WRP

Engineering Consultant Not applicable

Engineering Contractor To be determined

Estimated Construction Cost $65,000,000

Contract Award Date January 2026

Substantial Completion Date August 2028

Project Description This project will remove centrifuges and other equipment from the existing centrifuge facility and install new dewatering equipment, boilers, electrical equipment, and conveyors.

Project Justification Due to the Chicago Transit Authority's Red Line extension, trucking digested sludge from the lagoons to the drying beds will no longer be practical. Restoring the existing centrifuge facility will allow digested sludge to be mechanically dewatered instead of lagooning it. The building will be brought up to current National Fire Protection Association codes, more efficient centrifuges will be installed, and modifications to the building will be done as needed.

Project Status Design

Install Pipe Casing and Utilities Under Railroad Tracks to Dewatering Facility, CWRP

Project Number 24-269-3P

Service Area Calumet

Location Calumet WRP

Engineering Consultant Not applicable

Engineering Contractor To be determined

Estimated Construction Cost $13,200,000

Contract Award Date September 2026

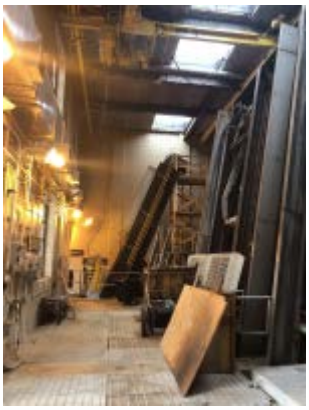
Substantial Completion Date November 2027

Project Description This project will install new pipe casing and utilities, including digested sludge, centrate, city water, effluent water, digester gas, communications, and electrical service from the main Calumet campus to the area of the Centrifuge Dewatering Building. Concrete structures at both ends will allow for future tie-ins at the main campus and dewatering campus.

Project Justification The Chicago Transit Authority (CTA) is extending their Red Line route to 130th Street. CTA tracks will parallel existing South Shore tracks in this location. Existing utilities to the Centrifuge Dewatering Building are in poor condition and cannot be reused. This project should be complete prior to the CTA installing their tracks and equipment. Sludge dewatering will be completed under a separate project.

Project Status Design

Replacement of TARP Coarse Screen Hoist and Installation of Low-Level Interceptor Screen, CWRP



Project Number 24-278-3M

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $6,000,000

Contract Award Date December 2026

Substantial Completion Date March 2028

Project Description This project will replace an existing Tunnel and Reservoir Plan (TARP) coarse screen hoist and install an additional low-level interceptor screen.

Project Justification The existing TARP coarse screen hoist is inoperable and is now obsolete. There is currently only one low-level interceptor screen, and an additional screen is needed for redundancy.

Project Status Planning

Rehabilitation of Service Tunnel Expansion Joints and Replacement of Road E, KWRP

Project Number 24-384-3D

Service Area North

Location Kirie WRP

Engineering Consultant Rubinos and Mesia Engineers, Inc.

Engineering Contractor To be determined

Estimated Construction Cost $7,005,633

Contract Award Date January 2026

Substantial Completion Date July 2028

Project Description This project will repair deteriorated tunnel expansion joints and provide other concrete repairs in the tunnels. Road "E" will also be removed and replaced under this contract.

Project Justification The service tunnels at the Kirie WRP are approximately 50 years old and were built as a part of the original plant construction. Over time, a number of tunnel expansion joints have deteriorated and leaking cracks have developed in the tunnel walls and slabs. The tunnels/galleries and associated utilities are essential to each water reclamation plant's functionality and need to remain operational indefinitely. Repairing the deteriorated expansion joints and cracks will eliminate water infiltration, thereby extending the useful life of the tunnels and preventing damage to the utilities. Road "E" will also be removed and replaced under this contract.

Project Status Design

HVAC Improvements at Various Locations

Project Number 24-638-22

Service Area Stickney and Calumet

Location Stickney and Calumet WRPs

Engineering Consultant In-house design

Engineering Contractor IHC Construction Companies, LLC and Independent Mechanical Industries, Inc.

Estimated Construction Cost $25,824,000

Contract Award Date May 2025

Substantial Completion Date December 2028

Project Description This project entails replacing and improving heating, ventilating, and air conditioning (HVAC) systems at various locations. At the Calumet WRP, a cross-connection between cooling towers will be installed for the Tunnel and Reservoir Plan, the old chiller and cooling towers will be removed at the Pump and Blower Building, and gas and water lines will be installed in the Heavy Equipment Building. At the 95th Street Pumping Station, ventilation improvements will be made in the Screenings Room. At the Stickney WRP, the HVAC system and two chillers will be replaced, the building management system controls will be upgraded in the Engineering Building, and two heat exchangers will be replaced in the Monitoring and Research Building.

Project Justification The need for replacement is based on age, life expectancy, and reliability. The equipment being replaced has experienced chronic failures due to equipment corrosion and leaking coils and piping. This project will minimize future maintenance costs and ensure increased reliability to protect District assets, improve air quality, and provide a safe working environment.

Project Status Construction

Aeration Blower Improvements, SWRP

Project Number 24-901-31

Service Area Stickney

Location Stickney WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $12,250,000

Contract Award Date March 2026

Substantial Completion Date December 2029

Project Description The Aeration Blower Facility at the Stickney WRP is currently operated by obsolete equipment. This project entails upgrading and replacing the old equipment.

Project Justification The current controllers and input/output modules are part of a line of hardware that was discontinued in 2017. Procuring hardware, software, and technical support has become increasingly difficult and costly due to the equipment's obsolescence. Upgrading to a new system will make the facility's equipment more reliable and sustainable. In addition to the upgraded temperature and vibration monitor system field devices, the aeration blowers will be outfitted with enhanced fast acting blower blow-off valves and actuators.

Project Status Planning

McCook Reservoir Stage 1 Rock Wall Stabilization, SSA

Project Number 25-191-4F

Service Area Stickney

Location McCook Reservoir

Engineering Consultant Black & Veatch Corporation

Engineering Contractor To be determined

Estimated Construction Cost $1,500,000

Contract Award Date June 2026

Substantial Completion Date October 2027

Project Description This project consists of stabilizing the near-vertical excavated walls of the McCook Reservoir Stage 1 from stations 1113+10 to STA 1115+30 through the installation of rock dowels, scaling and rock wedge removal by means of low explosives.

Project Justification The subject contract work was deleted from previous contract 17-131-4FR due to the proposed methods of safely removing the large rock wedges by use of low explosives which were not part of the original scope of work. As such, Stage 1 rock wall stabilization efforts, with the incorporation of a new design, will be completed under this contract in order to safely stabilize the highwall for future operation.

Project Status Design

Furnish and Deliver Mechanical Dewatering Centrifuges, CWRP

Project Number 25-282-3P

Service Area Calumet

Location Calumet WRP

Engineering Consultant Alfa Laval, Inc.

Engineering Contractor To be determined

Estimated Construction Cost $6,119,054

Contract Award Date September 2025

Substantial Completion Date August 2028

Project Description This project will furnish and deliver six dewatering centrifuges and six solids diverter gates by the centrifuge manufacturer, Alfa Laval, Inc., for installation under contract 24-268-3P, Replacement of Dewatering Facility, CWRP.

Project Justification Rehabilitation of the Dewatering Building at the Calumet WRP under Contract 24-268-3P will require the replacement of all six mechanical dewatering centrifuges and six solids diverter gates. These centrifuges and diverter gates will be furnished and delivered under the subject contract.

Project Status Construction

HVAC Improvements at the Egan & Kirie Water Reclamation Plants

Project Number 25-730-21

Service Area North

Location Egan and Kirie WRPs

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $19,553,600

Contract Award Date March 2026

Substantial Completion Date November 2028

Project Description This project entails replacing and improving heating, ventilating, and air conditioning (HVAC) systems at the Egan & Kirie WRPs. At the Egan WRP, the main upgrades include replacement of the cooling towers, replacement of one absorption chiller with two electric chillers and associated chilled water and condensing water pumps, integration of the new equipment to the Johnson Controls HVAC network, and boiler control upgrades. At the Kirie WRP, the main upgrades include replacement in-kind of one electric effluent chiller and associated chilled water, and condensing water pumps and boiler control upgrades.

Project Justification The need for replacement is based on age, life expectancy, and reliability. The equipment being replaced has experienced chronic failures due to equipment corrosion and leaking coils and piping. This project will minimize future maintenance costs and ensure increased reliability to protect District assets, improve air quality, and provide a safe working environment.

Project Status Design

TARP Mechanical Equipment Improvements, CWRP

Project Number 26-822-31

Service Area Calumet

Location Calumet WRP

Engineering Consultant In-house design

Engineering Contractor To be determined

Estimated Construction Cost $20,000,000

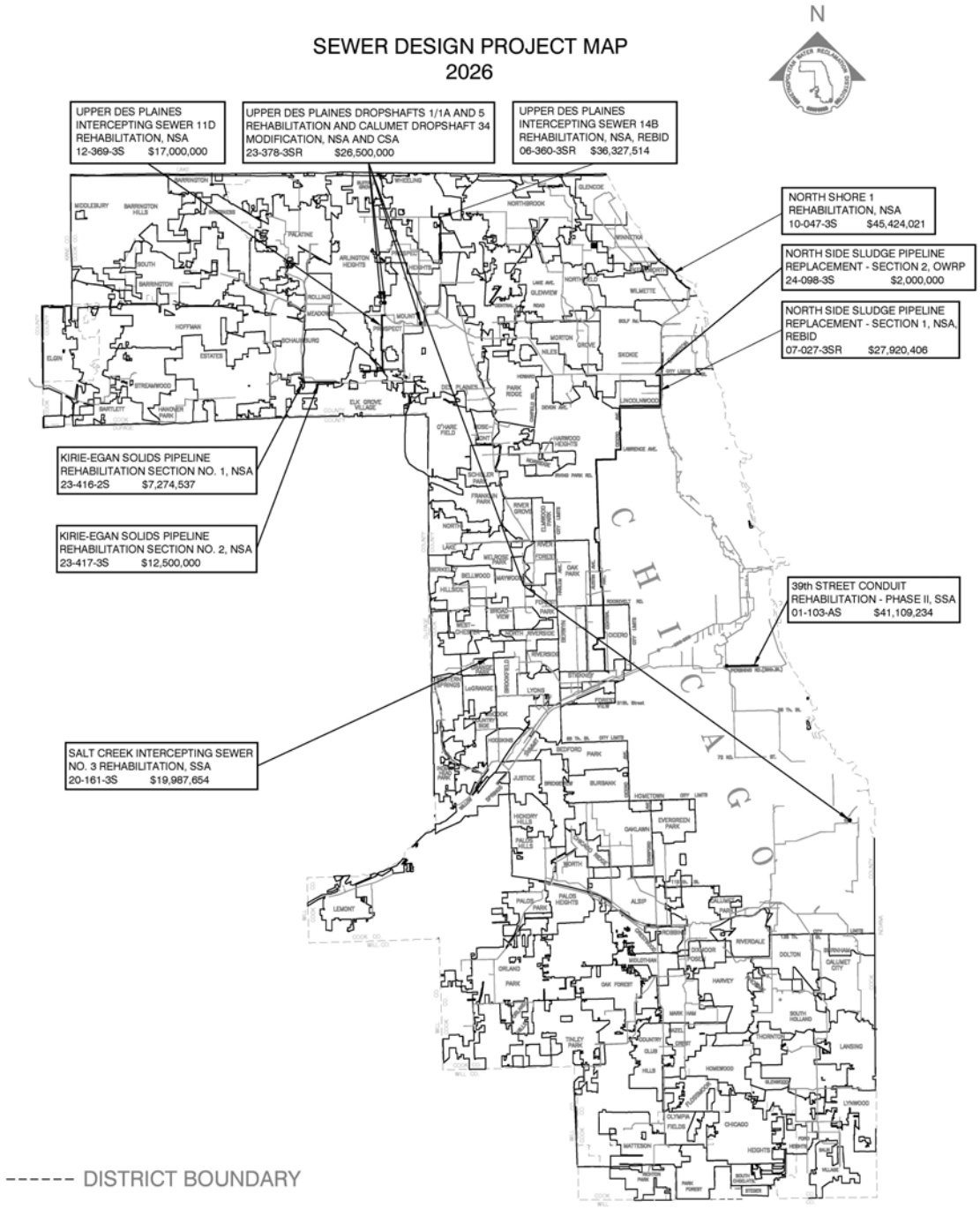
Contract Award Date January 2026

Substantial Completion Date December 2028

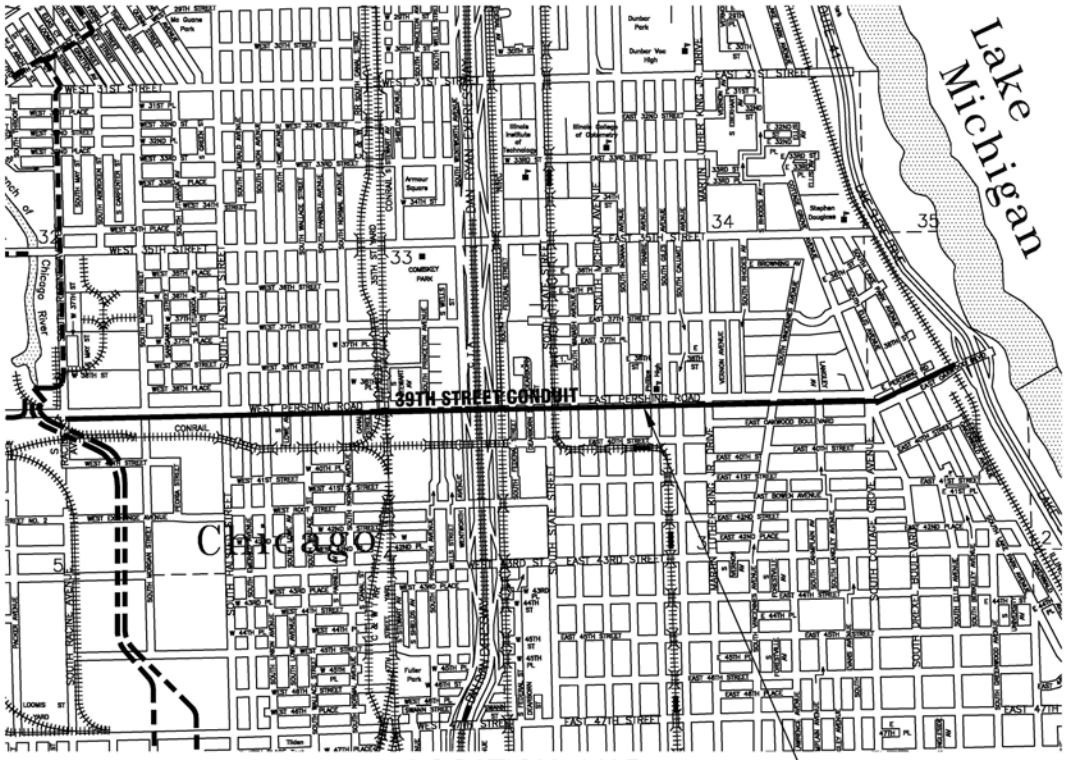
Project Description This project will rehabilitate the Calumet Tunnel and Reservoir Plan (TARP) main sewage pumps' suction and discharge valves, integrate the medium voltage drive auxiliary chillers into the house-chilled water system, balance and align rotating assemblies, improve the West TARP seal water and compressed air feed systems, and upgrade obsolete prime mover vibration and temperature monitoring systems.

Project Justification The Calumet WRP TARP main sewage pumps' suction and discharge valves are original to the pump station (circa 1985). The valves leak and do not hold a seal, which requires the entire pump house to be dewatered and taken out of service in order to isolate the pumps for routine service. The medium voltage drive auxiliary chillers have proven to be a reliability risk, thus reducing the availability of the pumps.

Project Status Design


SEWER DESIGN PROJECT MAP
2026
N
UPPER DES PLAINES INTERCEPTING SEWER 11D REHABILITATION, NSA
12-369-3S $17,000,000
UPPER DES PLAINES DROPSHAFTS 1/1A AND 5 REHABILITATION AND CALUMET DROPSHAFT 34 MODIFICATION, NSA AND CSA
23-378-3SR $26,500,000
UPPER DES PLAINES INTERCEPTING SEWER 14B REHABILITATION, NSA, REBID
06-360-3SR $36,327,514
NORTH SHORE 1 REHABILITATION, NSA
10-047-3S $45,424,021
NORTH SIDE SLUDGE PIPELINE REPLACEMENT - SECTION 2, OWRP
24-098-3S $2,000,000
NORTH SIDE SLUDGE PIPELINE REPLACEMENT - SECTION 1, NSA, REBID
07-027-3SR $27,920,406
KIRIE-EGAN SOLIDS PIPELINE REHABILITATION SECTION NO. 1, NSA
23-416-2S $7,274,537
KIRIE-EGAN SOLIDS PIPELINE REHABILITATION SECTION NO. 2, NSA
23-417-3S $12,500,000
39th STREET CONDUIT REHABILITATION - PHASE II, SSA
01-103-AS $41,109,234
SALT CREEK INTERCEPTING SEWER NO. 3 REHABILITATION, SSA
20-161-3S $19,987,654
CHICAGO
------ DISTRICT BOUNDARY

N



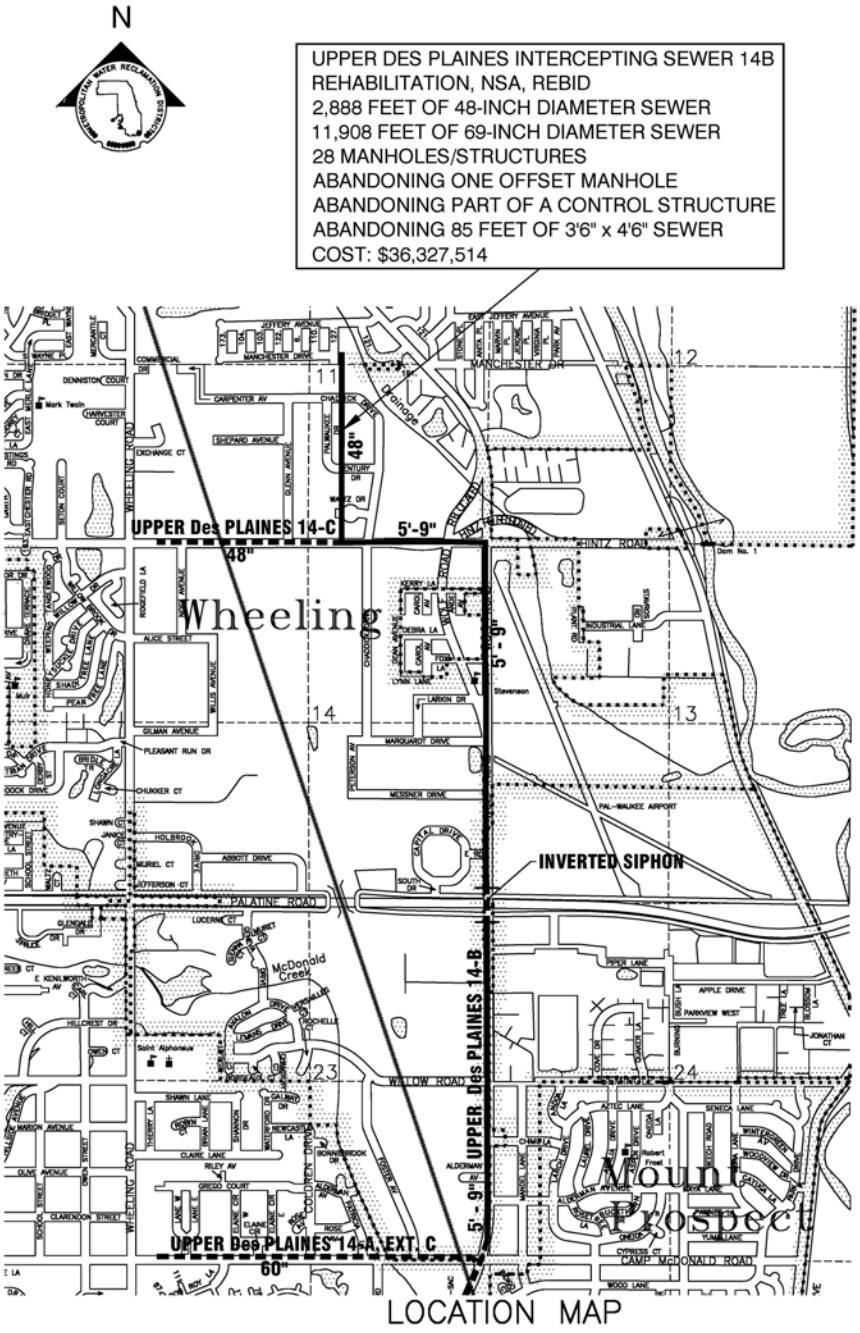
LOCATION MAP

39th STREET CONDUIT REHABILITATION - PHASE II, SSA
REHABILITATION OF 367 FEET OF 24' X 27' SEMI-ELLIPTIC CONCRETE SEWER, 2,466 FEET OF 22' X 23' SEMI-ELLIPTIC CONCRETE SEWER, 459 FEET OF 12' X 16' DOUBLE BARREL CONCRETE SEWER, 10 CONNECTING STRUCTURES, AND SIX MANHOLES; AND REPLACEMENT OF A DAMAGED FLAP GATE IN A CONNECTING STRUCTURE
COST: $41,109,234

LEGEND:

= SEWER TO BE REHABILITATED
= EXISTING SEWER

39th STREET CONDUIT REHABILITATION - PHASE II, SSA
CONTRACT 01-103-AS

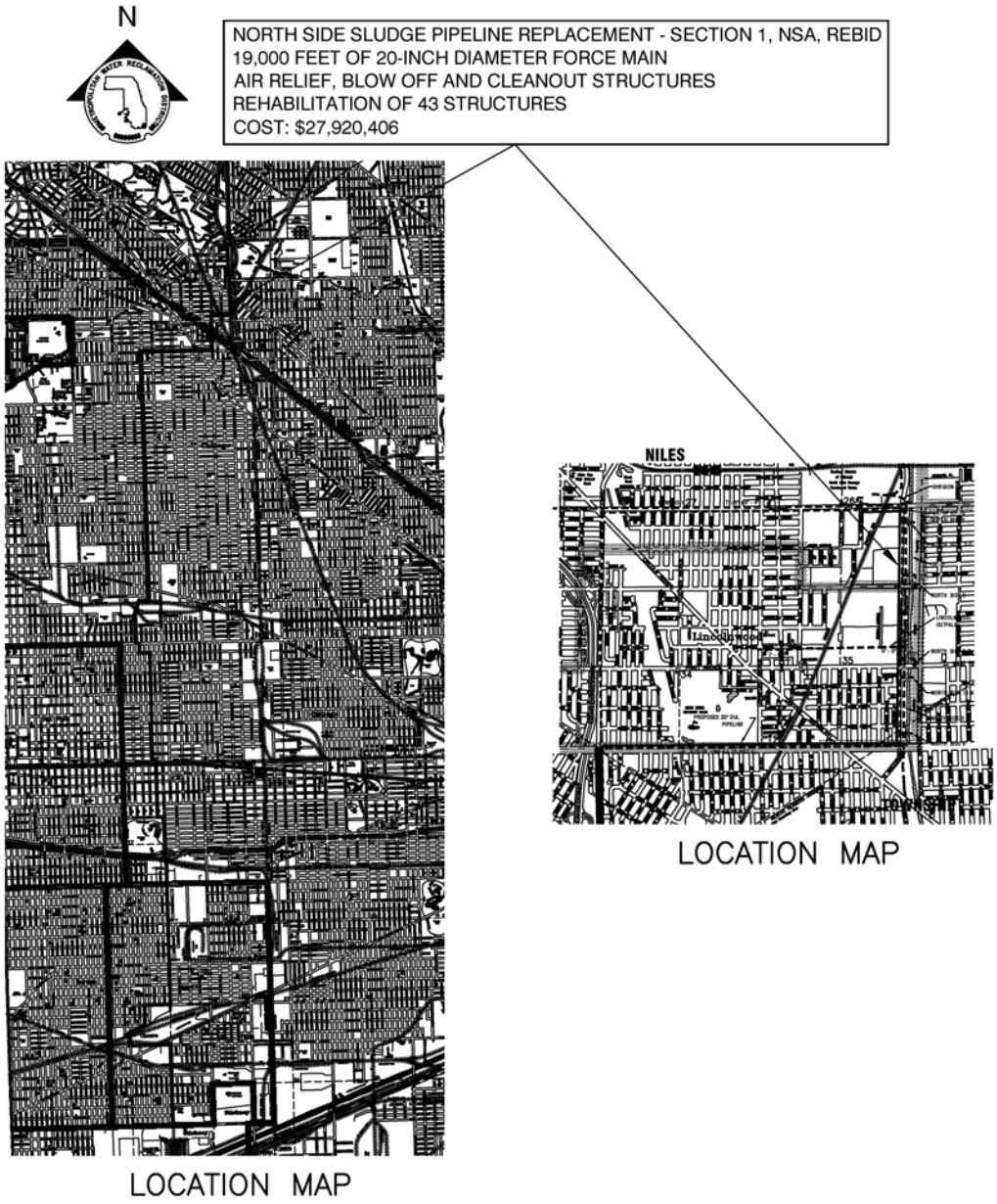


LOCATION MAP

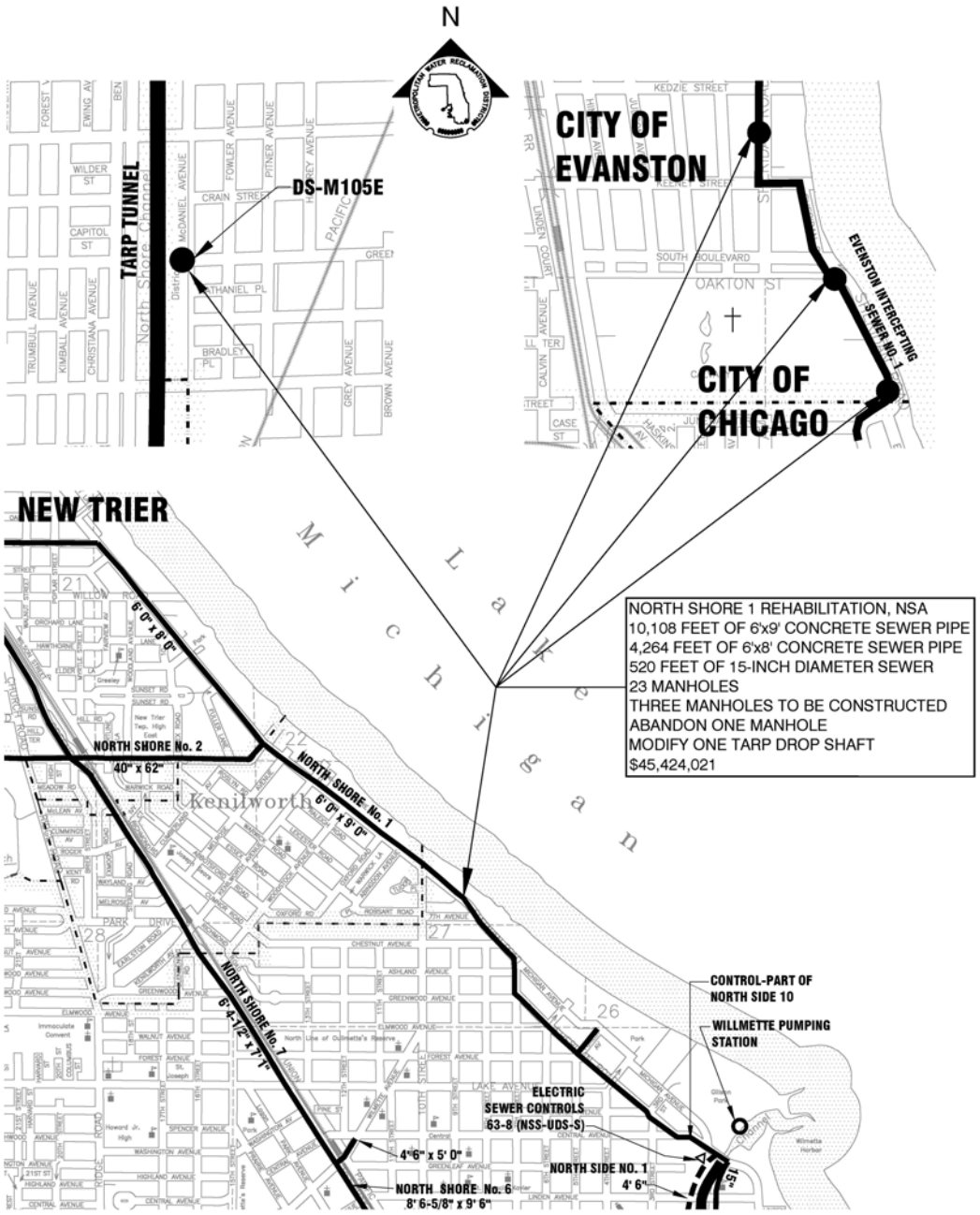
LEGEND:

▬▬ = SEWER TO BE REHABILITATED
▪▪▪▪▪▪▪ = EXISTING SEWER

UPPER DES PLAINES INTERCEPTING SEWER 14B REHABILITATION, NSA, REBID
CONTRACT 06-360-3SR



NORTH SIDE SLUDGE PIPELINE REPLACEMENT - SECTION 1, NSA, REBID
CONTRACT 07-027-3SR

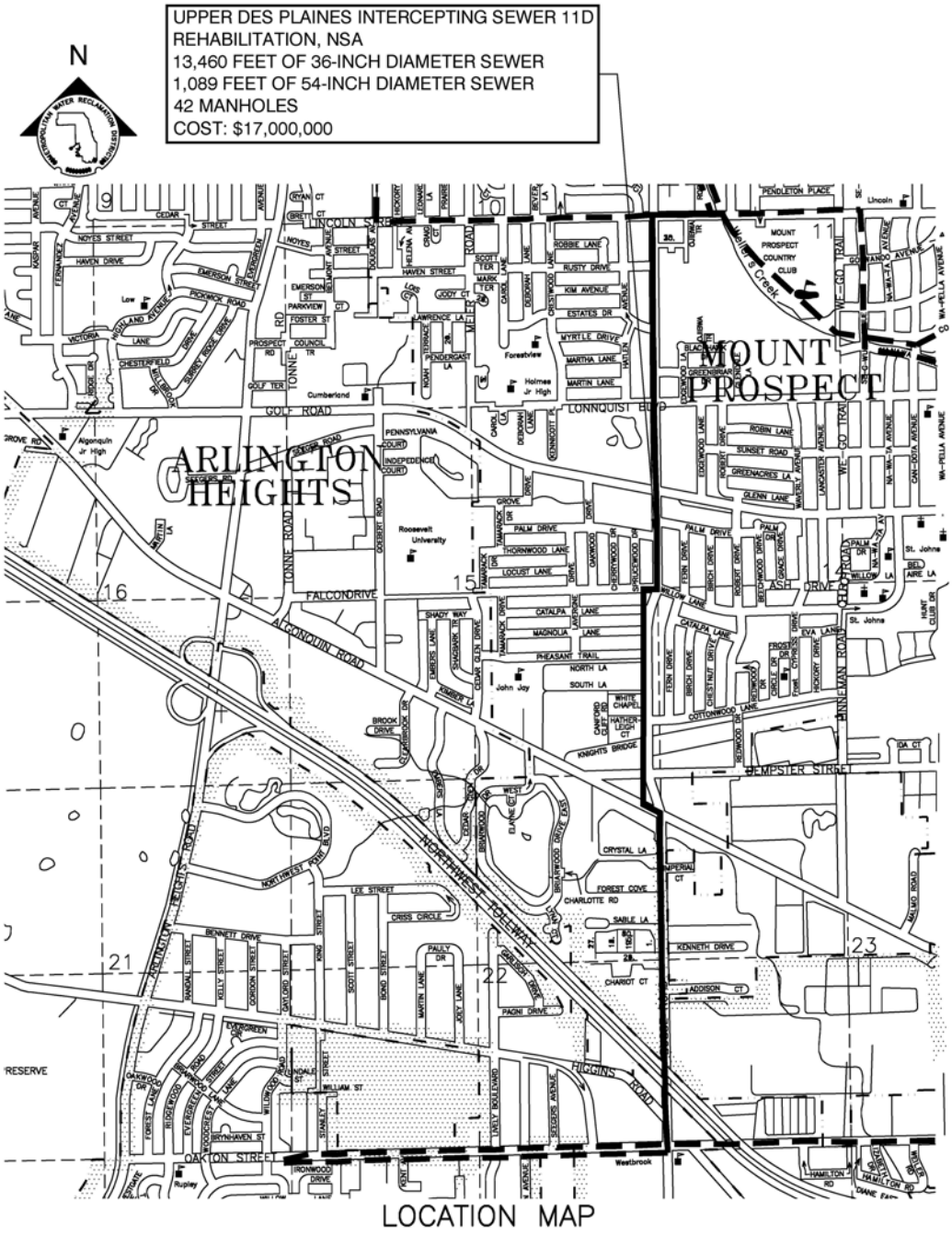


LOCATION MAP

LEGEND:

▬▬ = SEWER TO BE REHABILITATED
▪▪▪▪▪ = EXISTING SEWER

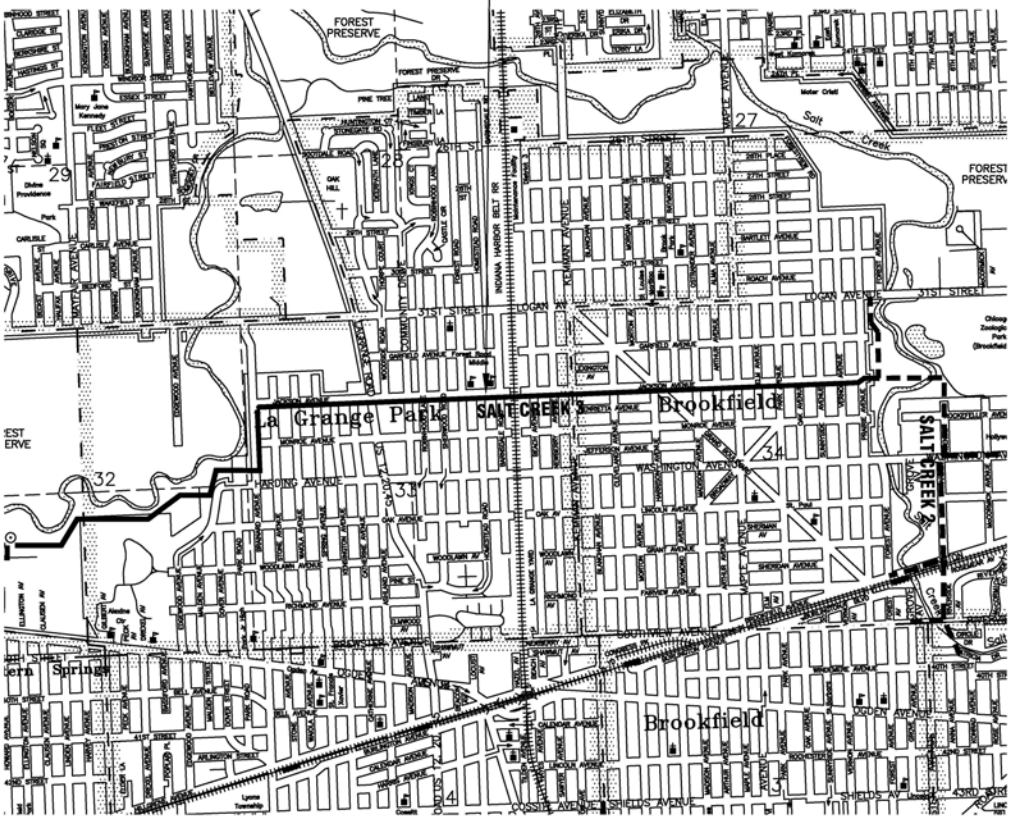
NORTH SHORE 1 REHABILITATION, NSA
CONTRACT 10-047-3S



UPPER DES PLAINES INTERCEPTING SEWER 11D REHABILITATION, NSA
CONTRACT 12-369-3S

N

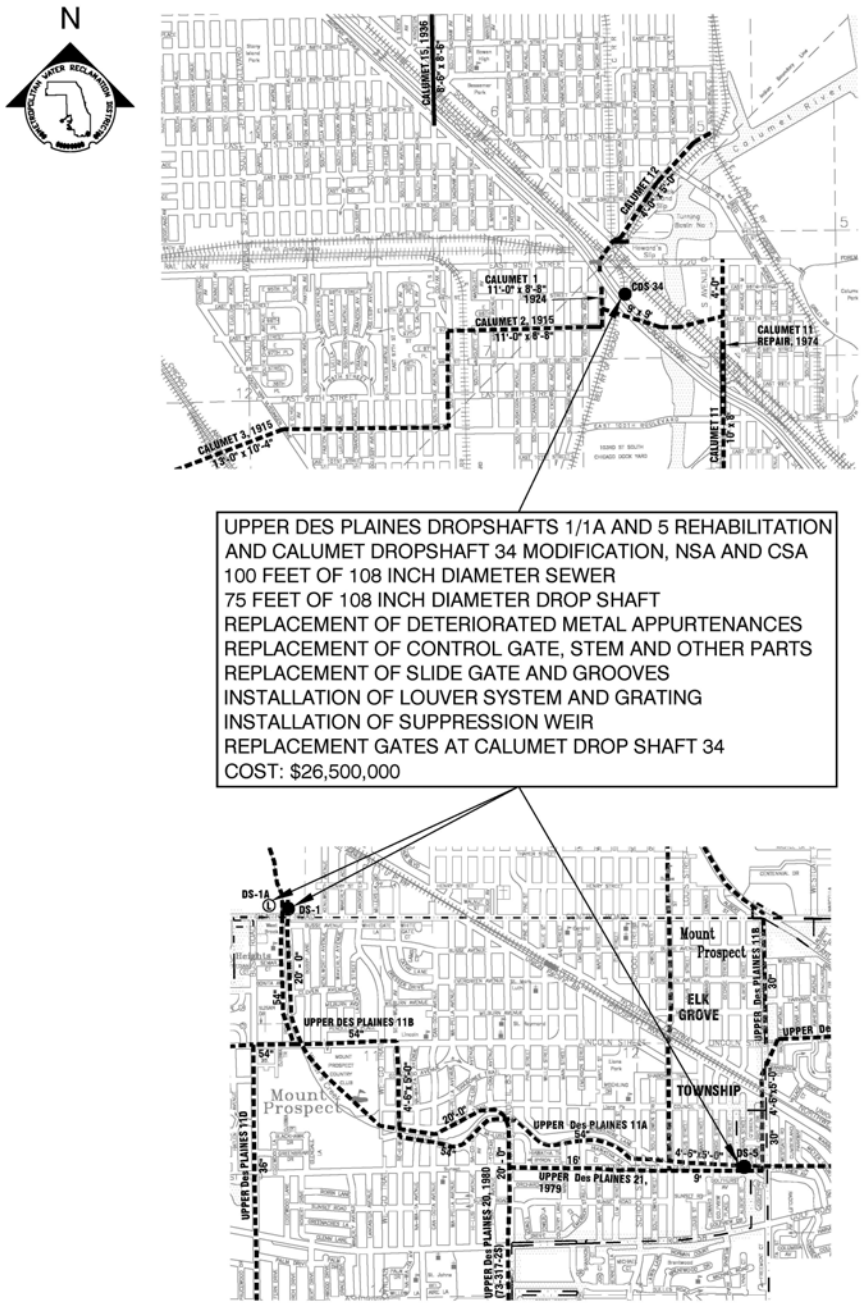
SALT CREEK INTERCEPTING SEWER NO. 3 REHABILITATION, SSA
10,681 FEET OF 42"x60" CONCRETE SEWER PIPE
4,410 FEET OF 36-INCH DIAMETER CONCRETE SEWER PIPE
31 MANHOLES
FILLING VOIDS IN SEWER INVERT
COST: $19,987,654



LOCATION MAP

LEGEND:
= SEWER TO BE REHABILITATED
= EXISTING SEWER

SALT CREEK INTERCEPTING SEWER NO. 3 REHABILITATION, SSA
CONTRACT 20-161-3S

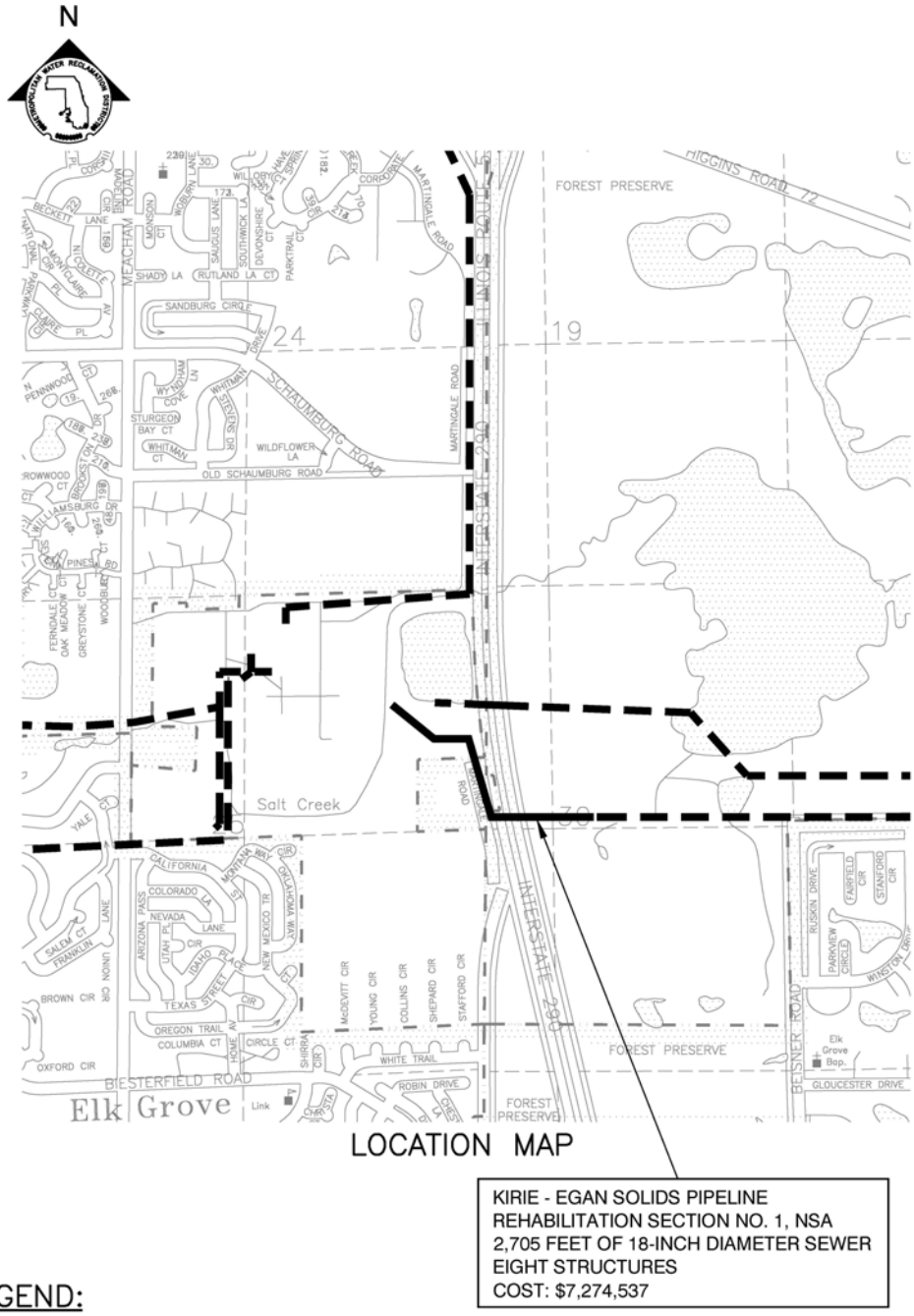


LEGEND:

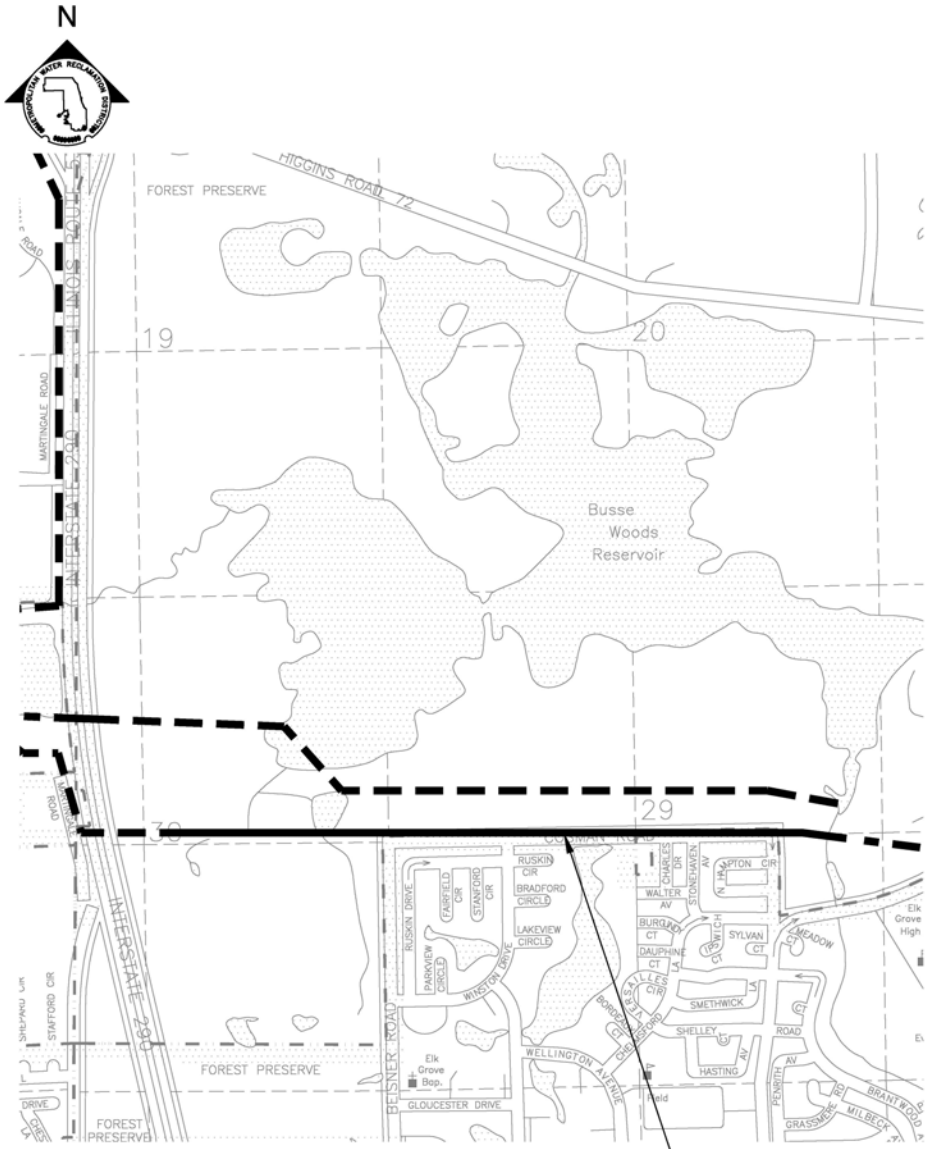
● = MANHOLE TO BE REHABILITATED

▬▬ = EXISTING SEWER

UPPER DES PLAINES DROPSHAFTS 1/1A AND 5 REHABILITATION AND CALUMET DROPSHAFT 34 MODIFICATION, NSA AND CSA CONTRACT 23-378-3SR



KIRIE - EGAN SOLIDS PIPELINE REHABILITATION SECTION NO. 1, NSA
CONTRACT 23-416-2S



KIRIE - EGAN SOLIDS PIPELINE REHABILITATION SECTION NO. 2, NSA
CONTRACT 23-417-3S

LOCATION MAP

LEGEND:

▬▬ = FORCE MAIN TO BE REHABILITATED
▪▪▪▪▪▪▪ = EXISTING SEWER

NORTH SIDE SLUDGE PIPELINE REPLACEMENT - SECTION 2, OWRP
CONTRACT 24-098-3S

Stormwater Management Capital Improvements Bond Fund Program

Projects Under Construction

Projects under construction in the Capital Improvements Bond Fund were appropriated in prior years using the full encumbrance (obligation) method of budgetary accounting. The construction contract award amount and the anticipated project duration are provided in this table.

	Project Name	Project Number	Est. Construction Cost	Duration (days)	Award Date
*	Lyons and McCook Levee Improvements Project	13-199-3F	$ 1,358	3,089	Sep 2018
*	Addison Creek Channel Improvements, SSA	11-187-3F	5,600	1,054	Jul 2023
	Total Projects Under Construction		$ 6,958		

* These projects are funded by the Capital Improvements Bond Fund and the Stormwater Management Fund.

Refer to Section VI Stormwater Management Fund for more information about the Stormwater Management Capital Improvement Program.

Note: All cost figures are in thousands of dollars.

50000 CAPITAL IMPROVEMENTS BOND FUND — OBJECTIVES AND PROGRAM SUMMARY

OBJECTIVES BY PRIORITY:	Cost	Percent
1. COLLECTION FACILITIES: Award four construction projects: Upper Des Plaines Dropshafts 1/1A and 5 Rehabilitation and Calumet Dropshaft 34 Modification, NSA and CSA, Upper Des Plaines Intercepting Sewer 11D Rehabilitation, NSA, TARP Mechanical Equipment Improvements, CWRP, and Low Voltage Switchgear Replacement, MSPS.	$ 88,500,000	12.8 %
2. TREATMENT FACILITIES: Award eight construction projects: Battery E Activated Sludge Facility, OWRP, HVAC Improvements at the Egan & Kirie Water Reclamation Plants, Rehabilitation of Pump and Blower House, CWRP, Aeration Blower Improvements, SWRP, Rehabilitation of Service Tunnel Expansion Joints and Replacement of Road E, KWRP, Electrical Power Distribution and Phosphorus Removal Improvements, KWRP, Electrical Improvements at Aerated Grit, Central Heat, Pump and Blower, and Southwest Course Screens, SWRP, and Kirie - Egan Solids Pipeline Rehabilitation Section No. 2, NSA.	$ 437,547,500	63.5 %
3. SOLIDS PROCESSING AND UTILIZATION FACILITIES: Award three construction projects: Replacement of Dewatering Facility, CWRP, Install Pipe Casing and Utilities Under Railroad Tracks to Dewatering Facility, CWRP, and North Side Sludge Pipeline Replacement - Section 2, OWRP.	$ 80,200,000	11.6 %
4. FLOOD AND POLLUTION CONTROL: Award three construction projects: TARP Control System Replacement, CSA, NSA, SSA, Replacement of TARP Coarse Screen Hoist and Installation of Low-Level Interceptor Screen, CWRP, and McCook Reservoir Stage 1 Rock Wall Stabilization, SSA.	$ 32,500,000	4.7 %
5. LAND AND RIGHT-OF-WAY ACQUISITION COSTS: Acquisition of land for the expansion of reservoir projects and payments for land easements.	$ 550,000	0.1 %
6. PROJECT SUPPORT: Administration, design, and construction inspection for current and future contracts, funding support, and construction services such as concrete and soil testing.	$ 50,230,400	7.3 %
Totals	$ 689,527,900	100.0 %

50000 CAPITAL IMPROVEMENTS BOND FUND OBJECTIVES AND PROGRAM SUMMARY

PROGRAMS BY PRIORITY:		2024		Budgeted		Change	
Number	Name	Actual		FTEs	Dollars	Dollars	Percent
1700	Collection Design	$ 322,063	2026	—	$ —	$ —	—
			2025	—	$ —		
1800	Collection Construction	$ 24,421,519	2026	—	$ 93,525,000	$ 55,437,500	145.6
			2025	—	$ 38,087,500		
2700	Treatment Design	$ 820,891	2026	—	$ 50,000	$ (3,100,000)	(98.4)
			2025	—	$ 3,150,000		
2800	Treatment Construction	$ 45,276,458	2026	—	$ 471,135,100	$ 6,828,700	1.5
			2025	—	$ 464,306,400		
3700	Solids Processing Design	$ 2,440,367	2026	—	$ —	$ —	—
			2025	—	$ —		
3800	Solids Processing Construction	$ 12,605,365	2026	—	$ 84,220,000	$ 68,310,000	429.4
			2025	—	$ 15,910,000		
4343	Flood Mitigation Projects Construction	$ 1,840,902	2026	—	$ —	$ —	—
			2025	—	$ —		
4700	Flood and Pollution Control Design	$ 223,719	2026	—	$ 2,000,000	$ (5,000,000)	(71.4)
			2025	—	$ 7,000,000		
4800	Flood and Pollution Control Construction	$ 15,180,657	2026	—	$ 36,605,000	$ 21,070,000	135.6
			2025	—	$ 15,535,000		
5800	Solids Utilization Construction	$ 6,816,919	2026	—	$ 500,000	$ —	—
			2025	—	$ 500,000		
7601	Capital Financing Program and Other Related Costs	$ 783,371	2026	—	$ 1,242,800	$ (120,800)	(8.9)
			2025	—	$ 1,363,600		
7740	Land and Easements	$ 2,088	2026	—	$ 250,000	$ —	—
			2025	—	$ 250,000		
	Totals	$ 110,734,319	2026	—	$ 689,527,900	$ 143,425,400	26.3 %
			2025	—	$ 546,102,500		

Projects budgeted in the Capital Improvements Bond Fund are prioritized based on operational needs, design time frames, and available funding. Year-over-year variances in program area budgets are the result of project timing within the five-year capital planning cycle. The Capital Improvements Bond Fund is budgeted on an obligation basis, meaning the projects are budgeted at their full value in the year they are awarded, whether the project expenditures occur in the same budget year or not.

401	Fund: Capital Improvements Bond	LINE ITEM ANALYSIS						
50000	Department: Engineering							
		2024	2025				2026	
Account Number	Account Name	Expenditure	Original Appropriation *	Adjusted Appropriation 09/30/25 **	Expenditure (Committed Budget plus Disbursement) 09/30/25	Estimated Expenditure 12/31/25	Proposed by Executive Director	Recommended by Committee on Budget and Employment
612090	Reprographic Services	$ —	$ 5,000	$ 5,000	$ —	$ —	$ 5,000	$ —
612250	Court Reporting Services	—	10,000	10,000	—	—	10,000	—
612400	Intergovernmental Agreements	—	100,000	100,000	—	50,000	100,000	—
612430	Payments for Professional Services	350,081	100,000	855,100	755,100	162,900	250,000	—
612450	Professional Engineering Services for Construction Projects	3,670,253	18,150,000	25,997,700	16,034,300	2,117,600	8,675,000	—
612470	Personal Services for Post-Award Engineering for Construction Projects	51,586	—	2,246,600	2,246,600	10,000	—	—
612780	Safety Repairs and Services	—	100,000	100,000	—	—	100,000	—
200	TOTAL CONTRACTUAL SERVICES	4,071,920	18,465,000	29,314,400	19,036,000	2,340,500	9,140,000	—
645600	Collection Facilities Structures	6,729,181	500,000	5,292,400	4,792,400	3,044,600	6,800,000	—
645620	Waterway Facilities Structures	8,973,486	15,230,000	36,530,400	33,145,500	8,501,600	2,000,000	—
645630	Army Corps of Engineers Services	2,857,434	—	4,225,100	3,668,800	1,863,800	1,575,000	—
645650	Process Facilities Structures	17,346,825	432,181,400	452,508,300	88,866,400	25,692,100	408,317,600	—
645680	Buildings	—	500,000	500,000	—	—	500,000	—
645700	Preservation of Collection Facility Structures	20,606,084	34,337,500	176,090,300	156,640,800	81,951,700	92,925,000	—
645720	Preservation of Waterway Facility Structures	2,694,965	—	25,027,000	25,027,000	10,856,100	26,250,000	—
645750	Preservation of Process Facility Structures	31,269,685	23,075,000	155,595,800	153,490,600	40,155,100	93,423,900	—
645780	Preservation of Buildings	11,009,516	19,900,000	54,849,400	39,965,000	10,077,500	46,803,600	—
500	TOTAL CAPITAL PROJECTS	101,487,176	525,723,900	910,618,700	505,596,500	182,142,500	678,595,100	—
656010	Land	—	300,000	300,000	—	—	300,000	—
600	TOTAL LAND	—	300,000	300,000	—	—	300,000	—
667340	Payments for Easements	2,088	250,000	250,000	—	250,000	250,000	—
727102	Principal - Capital Lease	3,458,877	—	19,126,000	19,126,000	3,628,600	—	—
727112	Interest - Capital Lease	930,887	—	2,729,600	2,729,600	761,200	—	—
767300	Bond Issuance Costs	783,371	1,363,600	1,419,500	55,900	—	1,242,800	—
700	TOTAL FIXED AND OTHER CHARGES	5,175,223	1,613,600	23,525,100	21,911,500	4,639,800	1,492,800	—
TOTAL CAPITAL IMPROVEMENTS BOND FUND		$110,734,319	$ 546,102,500	$ 963,758,200	$ 546,544,000	$189,122,800	$ 689,527,900	$ —

* The Capital Improvements Bond Fund is budgeted and accounted for on an obligation basis.

** The appropriation in the Capital Improvements Bond Fund is adjusted to carry forward open value of contracts from the prior year.

NOTES: 1. Amounts may not add up due to rounding.

2. Estimated Expenditure may exceed Adjusted Appropriation when transfers of funds are anticipated or be less than Expenditure (Committed Budget plus Disbursement) when not all commitments are anticipated to be completed by year-end.

3. The Capital Improvements Bond Fund appropriation is controlled on the Summary Object level.