



DUPAGE COUNTY

2025 CAPITAL IMPROVEMENT PLAN



421 N. County Farm Road, Wheaton IL 60187
(630) 407-6023 • www.dupagecounty.gov



THE COUNTY OF DUPAGE

CAPITAL IMPROVEMENT PLAN

Environmental	2
County Infrastructure	5
Transportation	10
Flood Control	14
Water & Sewer	18

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THE COUNTY OF DUPAGE

ENVIRONMENTAL

County Campus Food Scrap Composting	3
Electric Vehicle Charging Stations	4

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COUNTY CAMPUS FOOD SCRAP COMPOSTING — WHEATON, IL

PROJECT DETAILS

LOCATION

City of Wheaton

ISSUE

County Campus cafeterias and jail generate food scraps that generate GHG emissions when landfilled.

SOLUTION

Collect food scraps and compost in an aerobic digester.

BENEFIT

Composted food scraps reduce GHG emissions from food waste & creates an eco-friendly soil amendment.

DISTRICTS REPRESENTED

US Senate - Illinois

US Representative District 3

IL Senate District 24

IL Representative District 47

County Board District 4



PROJECT HISTORY & INFORMATION

DuPage County has three cafeterias operated by the Care Center's Dining Services. Food is prepped and distributed to patients in the Care Center and then sold to employees and the public in cafeterias in the JTK Administration Building and the Judicial Office Facility. Food is also prepped in the jail for inmates.

Due to these activities, the County generates more than 400 lbs. of food waste on a daily basis.

The U.S. EPA has prioritized the composting of food as a method to reduce greenhouse gas

emissions in the U.S. The EPA estimates that each year U.S. food loss and waste embodies 170 million metric tons of GHG emissions. This waste could be converted into soil amendment that could capture carbon.

Research has found that methane emissions from food waste in landfills far exceeds emissions generated from composting.

A composting program could reduce the County's emissions more than 47.45 tons of CO₂eq annually.

- Current estimate for program: **\$180,000**



PUBLIC WORKS DEPARTMENT ELECTRIC VEHICLE FLEET CONVERSION

PROJECT DETAILS

LOCATION

Village of Woodridge

ISSUE

Lack of funding for electric vehicle conversion with infrastructure.

SOLUTION

Install infrastructure & purchase 2 electric vehicles.

BENEFIT

Reduces transportation related greenhouse gas emissions.

COST ESTIMATE

\$300,000

DISTRICTS REPRESENTED

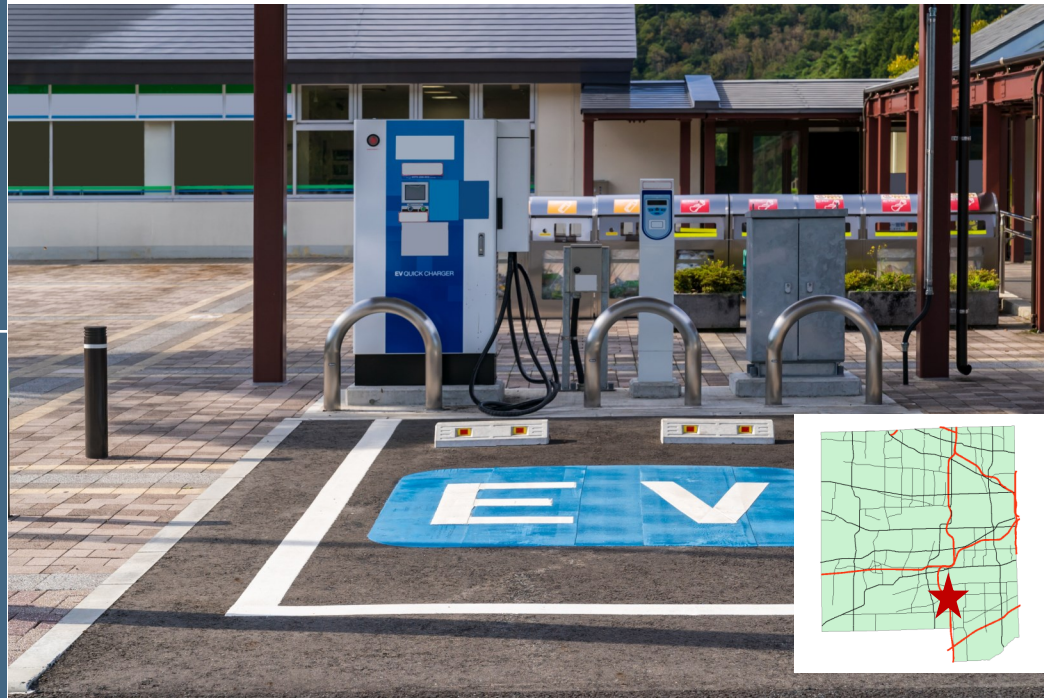
US Senate - Illinois

US Representative District 11

IL Senate District 41

IL Representative District 81

County Board District 3



PROJECT HISTORY & INFORMATION

DuPage County owns and operates the Woodridge Greene Valley Wastewater Treatment Plant that provides service to the Villages of Lisle, Woodridge, Downers Grove and portions of the City of Wheaton.

The Public Works Department desires to install the necessary conduit and infrastructure as part of a parking lot renovation so electric vehicle charging stations can be added to the site. Public Works would like to purchase a minimum of two vehicles for the fleet.

The Department consistently drives in the region as part of daily operations. Workers currently use gas-powered vehicles with frequent stops and short trips increasing emissions.

DuPage County Public Works would like to lead the County's fleet conversion.



THE COUNTY OF DUPAGE

COUNTY INFRASTRUCTURE

Animal Services Projects.....	6
DuPage County Care Center Projects.....	7
County Jail Solar Array and Window Replacements	8
Sheriff's Work Alternative Program Building	9

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PROJECT DETAILS

LOCATION

Animal Services shelter
Wheaton, IL

ISSUE

Current expansion project
opportunities

SOLUTION

Additional project items that
would support and enhance
the Animal Services shelter

BENEFIT

New shelter that mirrors
growing trend toward
humane, fear-free animal
shelter/community center

DISTRICTS REPRESENTED

US Representative Districts
3, 5, 6, 8, 11, & 14

IL Senate Districts
21, 23, 24, 25, 28, 39,
41, 42, & 43

IL Representative Districts
41, 42, 45, 46, 47, 48,
49, 56, 77, 81, 82, 84, &
85

County Board Districts
1, 2, 3, 4, 5, & 6

ANIMAL SERVICES — ADDITION OPPORTUNITIES



DuPage County
ANIMAL SERVICES
Saving Animals. Serving People.



PROJECT HISTORY & INFORMATION

DuPage County Animal Services is a self-funded immediate open admission animal shelter caring for more than 2,300 animals annually of all species. Originally built in 1978, it is currently being expanded to address critical needs.

Items not included in the original expansion project scope but could be addressed with additional funding:

Solar [Photovoltaic] Panel Additions

- Existing roof was replaced during current construction project, and with new 'flat roofs' facility is ready to host PV panels
- New expansion electrical system and room has been designed to accommodate future PV panels
- Current estimate for roof PV system: **\$240,000-\$275,000**

Bird Strike Protection for Facility Windows

- Large picture windows and higher lobby glass areas at risk for bird strikes during heavy migration periods
- Applied window films are showing success in reducing bird injuries and kills
- Current estimate for installation of new bird strike protection: **\$25,000-\$35,000**



PROJECT DETAILS

LOCATION

DuPage Care Center
Wheaton, IL

ISSUE

Additional project opportunities

SOLUTION

Additional project items that would support and enhance the Care Center

BENEFIT

Improved electrical systems and back-up capabilities

DISTRICTS REPRESENTED

US Representative Districts
3, 5, 6, 8, 11, & 14

IL Senate Districts
21, 23, 24, 25, 28, 39,
41, 42, & 43

IL Representative Districts
41, 42, 45, 46, 47, 48,
49, 56, 77, 81, 82, 84, &
85

County Board Districts
1, 2, 3, 4, 5, & 6



PROJECT HISTORY & INFORMATION

The DuPage Care Center serves a primarily indigent population with up to 80% of residents relying on Medicaid to pay for their care. The Care Center is currently undergoing extensive renovations that will greatly improve the quality of life for our 224 elderly and/or disabled residents.

- *Care Center East* building generator and switchgear are in need of replacement as well
- Current estimate for generators and associated work: **\$2,500,000**

Items not included in the original renovation project scope but could be addressed with additional funding:

Back-up Generator and Switchgear Replacements

- *Care Center North* building currently shares a back-up generator with a neighboring building
- Generator is in need of replacement, and *Care Center North* would be provided its own standalone generator and associated switchgear

SOLAR ARRAY AND WINDOW REPLACEMENTS

501 BUILDING



PROJECT DETAILS

LOCATION

County Campus
Wheaton, IL

ISSUE

Existing building age allows for building envelope improvements

SOLUTION

Embrace solar opportunity
Replace windows with new

BENEFIT

Produce green energy
Improved building energy efficiency and conditions

DISTRICTS REPRESENTED

US Representative Districts
3, 5, 6, 8, 11, & 14

IL Senate Districts
21, 23, 24, 25, 28, 39,
41, 42, & 43

IL Representative Districts
41, 42, 45, 46, 47, 48,
49, 56, 77, 81, 82, 84, &
85

County Board Districts
1, 2, 3, 4, 5, & 6



501 SHERIFF / JAIL BUILDING

Portions of the 501 Sheriff/Jail Building were built in 1981, with the 'tower' addition built in 1990. Original building materials such as roofing and glazing are reaching their expected end-of-life, allowing for the opportunity to add solar and more efficient building envelope options.

Solar [Photovoltaic] Panel Additions

- Portions of existing roof have been recently replaced and are ideal locations for solar panels
- Design is in progress for new array and required electrical infrastructure
- Current estimate for roof PV system: **\$230,000-\$260,000**

Operable Skylight over 'B' Building Recreational Area

- Existing skylight [which opens horizontally to allow in fresh air and direct sunlight] is at end of expected lifespan

- Replacement of equipment and tracks along with new glazing structure
- Current estimate for new operable skylight: **\$150,000-\$200,000**

Replacement of Facility Windows

- The storefront-type glazing [which includes a 'skylight' portion above] is now leaking in several areas. Replacing with new sealed glass [using modern UV and insulation standards] would substantially improve building energy efficiency.
- Current estimate for different phases of window replacements range from **\$1,000,000 each** to approximately **\$6,000,000 for entire building**



PROJECT DETAILS

LOCATION

DuPage County Campus
Wheaton, IL

ISSUE

Existing building is beyond
useful life

SOLUTION

New building to host SWAP
staff and programming

BENEFIT

Modernized space to provide
improved services to
sentenced offenders utilizing
the Sheriff's Work Alternative
Program

DISTRICTS REPRESENTED

US Representative Districts
3, 5, 6, 8, 11, & 14

IL Senate Districts
21, 23, 24, 25, 28, 39,
41, 42, & 43

IL Representative Districts
41, 42, 45, 46, 47, 48,
49, 56, 77, 81, 82, 84, &
85

County Board Districts
1, 2, 3, 4, 5, & 6

SHERIFF'S WORK ALTERNATIVE PROGRAM BUILDING



PROGRAM HISTORY & INFORMATION

The DuPage County Sheriff's Work Alternative Program [SWAP] was established in 1995 as a viable alternative to incarceration, due to overcrowding at the DuPage County Jail. Offenders sentenced to SWAP have worked in every municipality in the county performing various projects at no cost to taxpayers.

The program averages 40 offenders a day who are split into three or four work crews that are transported to work sites by marked Sheriff's Office vans and supervised by specially trained uniformed deputies.

Ninety-five percent of the offenders sentenced to SWAP complete the program, a rate much higher than other community service programs. For this reason the Illinois Criminal Justice Authority has previously called SWAP "the most innovative [alternative incarceration] program to ever come along in Illinois."

New SWAP Building Information

- Existing 3,700 SF building housing the SWAP program is a former service station over 65 years old, and its current conditions are inadequate.
- A new facility for the SWAP program would provide a safer, better equipped space for staff and program participants.
- Better facilities for municipal vehicle maintenance and washing as provided by the program.
- Current estimate for a new building for SWAP: **\$1,750,000-\$2,250,000**



THE COUNTY OF DUPAGE

TRANSPORTATION

Division of Transportation Maintenance Facility.....	11
Army Trail Road Bridge.....	12
Fabyan Parkway Reconstruction.....	13

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DIVISION OF TRANSPORTATION MAINTENANCE FACILITY

PROJECT DETAILS

LOCATION

City of Wheaton

ISSUE

Facility Improvement

SOLUTION

Construct new DOT Maintenance facility to replace obsolete 140 structure

BENEFIT

Modernization, efficiency.

COST ESTIMATE

2025 - \$25,000,000
 2026—\$20,000,000
 2027—\$15,000,000
 2028—\$20,000,000
 TOTAL—\$80,000,000

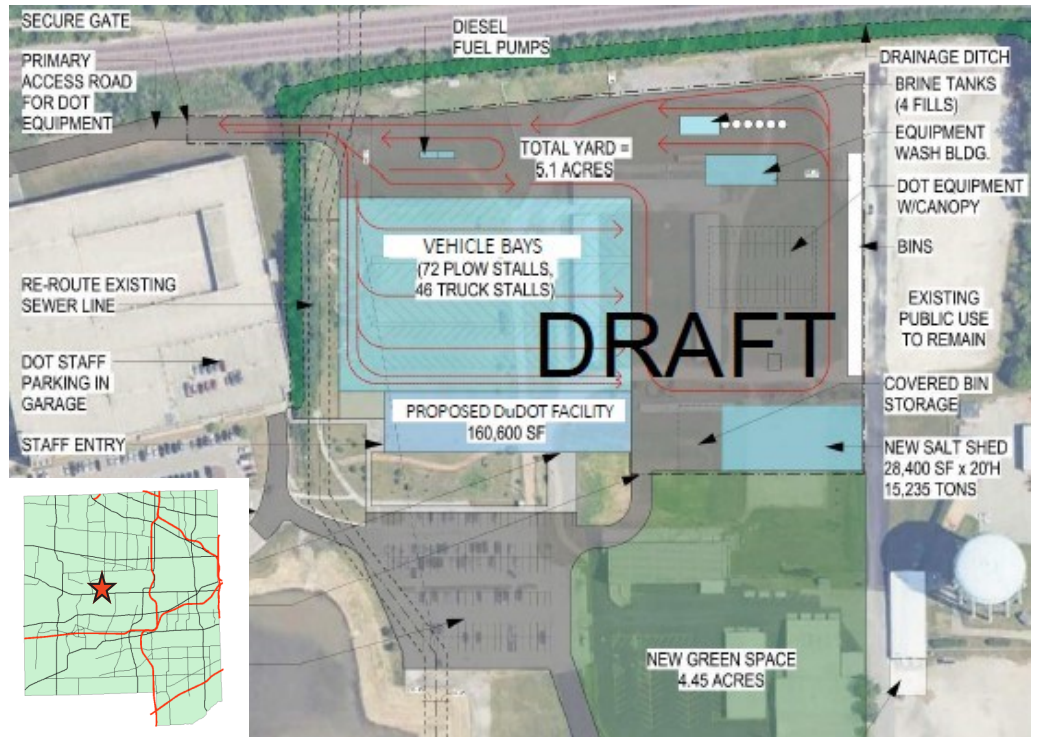
DISTRICTS REPRESENTED

US Representative District: 3

IL Senate District: 24

IL Representative District: 47

County Board District: 4



PROJECT INFORMATION

The DuPage County Division of Transportation (DuDOT) is planning to design and construct a new Highway Maintenance Garage that will replace its existing facility. The existing building, located at 140 N. County Farm Road in Wheaton, was built in the 1950's and is too small and outdated to meet the demands of a modern maintenance program for the

County's highways, sidewalks, and trails.

The proposed garage is planned to be built on an approximately 10 acre site at the north end of the DuPage County Fairgrounds and will house all the Division's staff (114 employees, as of 2024) and its seasonal-use vehicles.



ARMY TRAIL ROAD BRIDGE OVER THE WEST BRANCH OF THE DUPAGE RIVER

PROJECT DETAILS

LOCATION

Village of Bartlett & Wayne Township

ISSUE

Existing bridge over the West Branch of the DuPage River is approaching end of life

SOLUTION

Replace bridge, including widening and raising the deck to accommodate future needs

BENEFIT

Ensure the long term viability of the County Highway System

COST ESTIMATE

\$8,500,000 (Eligible for State Funding)

DISTRICTS REPRESENTED

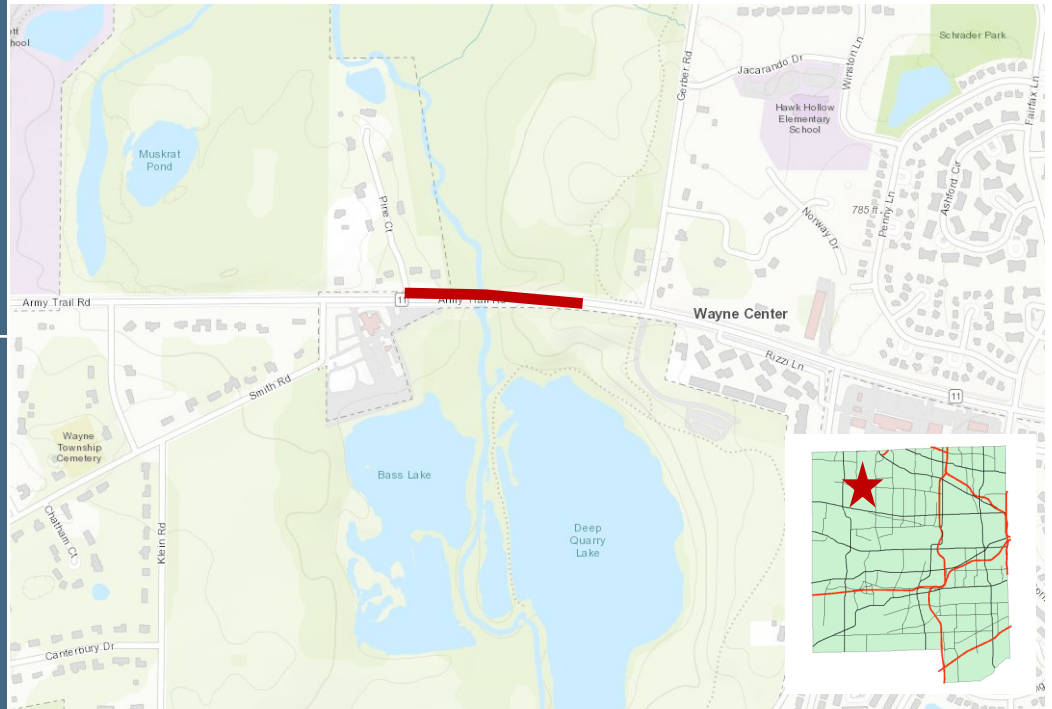
US Senate - Illinois

US Representative Districts 3 & 8

IL Senate Districts 24 & 25

IL Representative Districts 47 & 49

County Board District 6



PROJECT HISTORY & INFORMATION

This project replaces the existing Army Trail Road Bridge over the West Branch of the DuPage River, which has reached the end of its life. The new bridge, which is currently under design, will include a longer bridge span to allow for higher clearance over the river, as well as additional roadway width to improve the overall roadway alignment on Army Trail Road. The wider bridge deck will also accommodate future ADA compliant pedestrian facilities along the County Highway.

Army Trail Road carries more than 18,700 vehicles per day between IL Route 59 and County Farm Road. It serves as a key arterial for east-west traffic in the northwest portion of the county.

The proposed improvements will ensure that the river crossing can meet the needs of the County for decades, including providing adequate future hydraulic capacity and serving motorists and pedestrians alike.

Construction is anticipated to begin in 2025, pending permitting and final engineering.



FABYAN PARKWAY RECONSTRUCTION— COUNTY LINE TO IL ROUTE 38

PROJECT DETAILS

LOCATION

City of West Chicago

ISSUE

Roadway is over-capacity resulting in congestion and operational challenges

SOLUTION

Widen Fabyan Parkway, implement drainage improvements, and add roadway lighting

BENEFIT

Improve the overall mobility and enhance safety for motorists

COST ESTIMATE

\$15,000,000 (Eligible for State Funding)

DISTRICTS REPRESENTED

US Senate - Illinois

US Representative District 3

IL Senate District 25

IL Representative District 49

County Board District 6



PROJECT HISTORY & INFORMATION

This project widens Fabyan Parkway to the ultimate 5-lane width to reduce congestion and improve mobility in the very busy freight and passenger corridor near the County’s western border. Fabyan Parkway is a Strategic Regional Arterial and is a critical part of the growing technology and freight industry in the City of West Chicago.

Fabyan Parkway carries more than 16,600 vehicles per day between the Kane-DuPage County line and IL Route 38.

The proposed improvements will not only increase the roadway capacity, but it will better accommodate the mix of trucks and passenger cars, improve drainage, and add street lighting along the busy roadway segment.

The project also includes enhanced access to Technology Boulevard through construction of additional turn lanes and sidewalk and path improvements built to ADA/PROWAG standards.

Construction is anticipated to begin in late 2024, pending permitting, final engineering, and land acquisition.



THE COUNTY OF DUPAGE FLOOD CONTROL

3rd Avenue Drainage Improvements	15
Nelson's Highview (Newton & Second)	16
Localized Streambank Stabilization	17

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3RD AVENUE DRAINAGE IMPROVEMENTS

PROJECT DETAILS

LOCATION

Unincorporated Bensenville
Addison Township & Village
Of Bensenville

ISSUE

Localized flooding

SOLUTION

Storm sewers Installation,
culverts, and stormwater
detention.

BENEFIT

Reduction in structural
flooding to 30+ residential
properties and overtopping of
roadways

COST ESTIMATE

\$7,500,000

DISTRICTS REPRESENTED

US Representative District 3
IL Senate District 39
IL Representative District 77
County Board District 1



PROJECT HISTORY & INFORMATION

Located in the Addison Creek Watershed, more than 20 residential structures to the north of 3rd Avenue in unincorporated Bensenville have experienced significant structural flooding for several decades. Existing storm sewer conveys Addison Creek through several private properties. This undersized system cannot convey the large amounts of stormwater runoff collected by the creek during larger storm events. When the capacity of the system is exceeded, stormwater begins to back up and fill multiple depressional areas in the neighborhood, flooding streets and residential structures. Under certain rainfall events, 3rd Avenue and Church Road also overtop, flowing uncontrolled into the adjacent White Pines Golf

Course. The storm sewer system is more than 50 years old and is nearing the end of its serviceable life, requiring rehabilitation or replacement. In addition, the storm sewer is inadequate to convey larger storm events and needs to be upsized. Proposed drainage improvements in the subdivision include replacing and increasing the size of the existing storm water system, as well as installing a bypass storm sewer to convey flow under a controlled scenario into White Pines Golf Course. These improvements will provide greater flood protection for the area, increasing the level of protection from a 5-year flood to a greater than 50-year flood event, and will increase the estimated service life of the new infrastructure to more than 100 years.



NELSON'S HIGHVIEW (NEWTON & SECOND)

PROJECT DETAILS

LOCATION

Unincorporated Glendale Heights
Milton Township

ISSUE

Multiple properties and roadways experience significant flooding during storm events

SOLUTION

Expansion of detention in the area and storm sewer improvements

BENEFIT

The reduction and elimination of flooding for 20+ properties

COST ESTIMATE

\$350,000

DISTRICTS REPRESENTED

- US Senate - Illinois
- US Representative District 8
- IL Senate District 23
- IL Representative District 46
- County Board District 4



PROJECT HISTORY & INFORMATION

The Nelson's Highview neighborhood in Unincorporated Glendale Heights has an existing storm sewer system and vacant land to control flooding. However, during medium to large storm events, the existing system cannot handle the flows. The excess stormwater causes damage to numerous residential properties and creates road closures, which potentially limits

emergency vehicle access. The solution includes excavating a local detention/retention pond, installing storm sewer to transport floodwater to the pond and outlet improvements and downstream main lines. In addition, native wetland enhancements and the installation of best management practices could be incorporated to improve natural habitat.



LOCALIZED STREAMBANK STABILIZATION

PROJECT DETAILS

LOCATION

Unincorporated West Chicago

ISSUE

Streambank erosion & water quality impairments

SOLUTION

Streambank stabilization

BENEFIT

Improved integrity of streambank near infrastructure, and improved habitat for aquatic life

COST ESTIMATE

\$250,000

DISTRICTS REPRESENTED

US Senate - Illinois

US Representative District 8

IL Senate District 23

IL Representative District 46

County Board District 6



PROJECT HISTORY & INFORMATION

A portion of the West Branch DuPage River in Unincorporated West Chicago is experiencing serious streambank erosion that requires stabilization measures.

The streambank erosion in this area has caused stream widening. This project area is in an urbanized residential location where the stream widening, if allowed to continue, will impact both businesses, roadways and residences. In addition to threatening infrastructure on

unstable banks, streambank erosion presents a water quality issue. Tremendous loads of sediment are entering the stream. Recognized by federal authorities as a major pollutant in the nation's waterways, sediment negatively affects aquatic life within the stream. The sediment also accumulates in a downstream flood control facility, which reduces its storage capacity.



THE COUNTY OF DUPAGE

WATER & SEWER

Knollwood Treatment Plant Modernization	19
York Township Water Expansion	20
Glen Ellyn Countryside Water Expansion	21

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TREATMENT PLANT MODERNIZATION KNOLLWOOD TREATMENT PLANT



PROJECT DETAILS

LOCATION

Unincorporated Burr Ridge
Downers Grove Township

ISSUE

Plant requires upgrade and modernization to continue to exceed environmental and regulatory standards

SOLUTION

Construction of a number of critical improvements to the wastewater treatment plant.

BENEFIT

Environmental compliance and lowering of expenses to over 80,000 residents.

COST ESTIMATE

\$1,185,000

DISTRICTS REPRESENTED

US Representative Districts
3 & 11

IL Senate Districts 41

IL Representative Districts
81 & 82

County Board District 3



PROJECT HISTORY & INFORMATION

The Knollwood Wastewater Facility is a regional facility that provides critical environmental services to over 80,000 residents of DuPage County. Much of the southeastern portion of the county utilizes this treatment plant including all, or part, of the following communities:

Woodridge, Burr Ridge, Downers Grove, Willowbrook, Hinsdale and Clarendon Hills.

The needed improvements at the plant include critical projects such as electrical infrastructure, bar screens, grit pumps and process water strainers. The improvements will help to modernize the facility and continue to ensure the plant meets increasing environmental regulations.

Screening Equipment upgrades	\$50,000
Headworks Equipment Rehab	\$450,000
Process Equipment Upgrades	\$685,000
Subtotal:	\$1,185,000

YORK TOWNSHIP WATER EXPANSION PROJECT

WATER SERVICE EXPANSION



PROJECT DETAILS

LOCATION

Unincorporated Lombard
York Township

ISSUE

Large unincorporated areas of DuPage County that currently do not have access to Lake Michigan water

SOLUTION

Expansion of the existing York Township water system

BENEFIT

Provide reliable drinking water service to up to approximately 4,000 residents in unincorporated DuPage County that are on private wells

COST ESTIMATE

\$500,000 — \$12,000,000

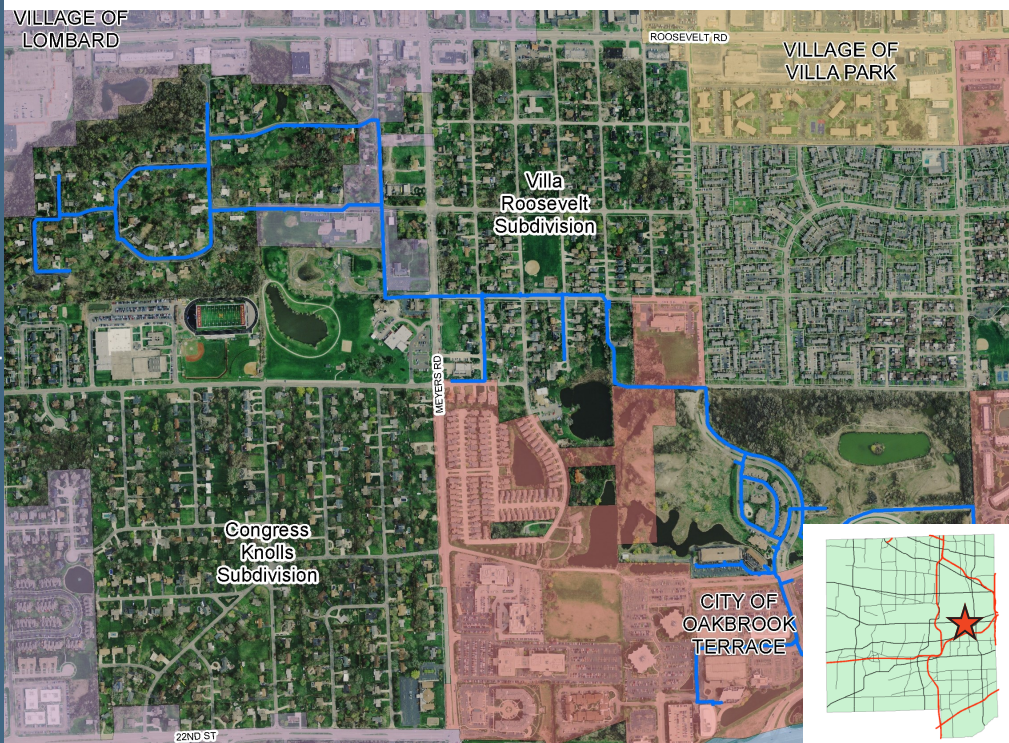
DISTRICTS REPRESENTED

US Representative Districts
6

IL Senate District 21

IL Representative District 42

County Board District 2



PROJECT HISTORY & INFORMATION

DuPage County owns and operates six (6) water distribution systems to Lake Michigan water to County residents. The York Township System was recently expanded to include unincorporated residents in the vicinity of Meyers Road and Roosevelt Road. The system was constructed with the capacity to include approximately 8,000 additional unincorporated residents which are currently reliant upon private wells. This project would include expanding the water distribution system to

supply water to residents in the Congress Knolls and Villa Roosevelt Subdivisions as well as other adjacent unincorporated residents. It should be noted that the ground water in this area is of particularly poor quality and this project will provide Lake Michigan water to all unincorporated areas in the region. Completion of this project will allow residents the option of connection and water service to water mains throughout the subdivisions.

GLEN ELLYN COUNTRYSIDE WATER WATER SERVICE EXPANSION



PROJECT DETAILS

LOCATION

Unincorporated Glendale Heights
Bloomingdale Township

ISSUE

Large unincorporated areas of DuPage County that currently do not have access to Lake Michigan water

SOLUTION

Extend the Glen Ellyn public water supply to unincorporated residents

BENEFIT

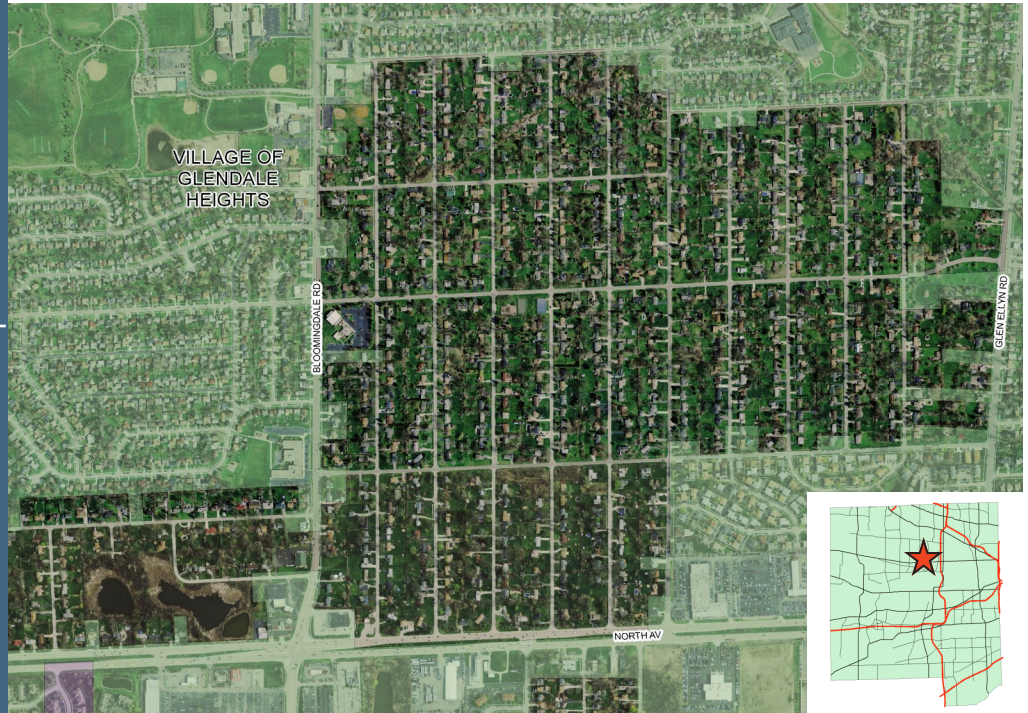
Provide reliable drinking water service to approximately 5,000 residents in unincorporated DuPage County that are on private wells

COST ESTIMATE

\$12,000,000

DISTRICTS REPRESENTED

US Representative District 8
IL Senate District 23
IL Representative District 46
County Board District 4



PROJECT HISTORY & INFORMATION

DuPage County owns and operates six (6) public water distribution systems. The Glen Ellyn Heights System has recently been expanded to include a subdivision of unincorporated residents in the vicinity of North Avenue & Bloomingdale Road in DuPage County. The system was constructed with the ability to serve approximately 5,000 residents in an unincorporated area immediately north of the water distribution expansion. The residents in this area are

currently served by well water. The project would bring Lake Michigan potable water to these residents. In addition, fire protection would be greatly enhanced by this project.

It should be noted that a large portion of this area has been classified as low to moderate income. Completion of this project will allow residents the option of connection to Lake Michigan water throughout the subdivisions.