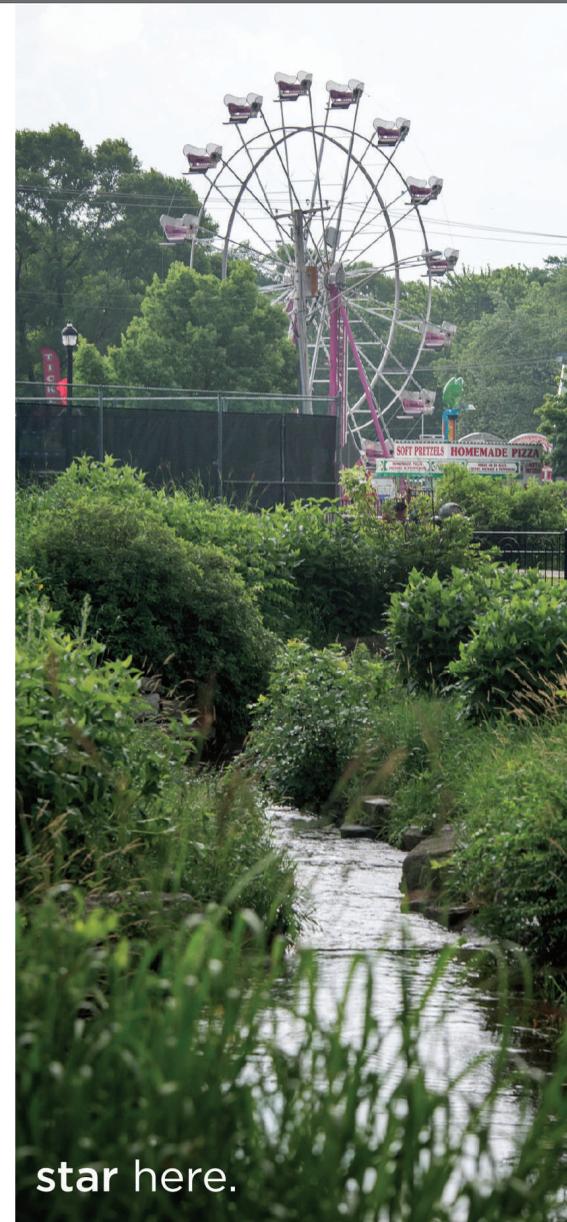


2020



MAY 1, 2019-APRIL 30, 2020 FY 2020 BUDGET AND FIVE YEAR CAPITAL IMPROVEMENT PLAN



Capital Improvement Plan FY20-FY24



CAPITAL IMPROVEMENT PLAN SUMMARY

The Village has over \$200 million in infrastructure and other capital assets. The Village continues making a significant investment in its infrastructure. Millions of dollars are spent annually to maintain these assets. Funding for the non-water/sewer capital projects are generated from a variety of sources. Motor fuel taxes from the State, grants, impact fees, bond issuances, and general fund reserves help pay for these improvements.

Water/sewer charges to customers along with connection fees pay for the capital items in the water/sewer enterprise fund.

In preparing the Capital Improvement Plan, various factors are used in establishing the priority level for each project. Infrastructure condition, intensity of use, and cost are all contemplated while developing the Capital Improvement Plan.

Listed below are the requested dollar amounts for each of the major classes of fixed assets for the next five years. Each capital asset group has its own page with additional detail on the specific projects on the following pages (Pages 69-75).

Non-Water/Sewer

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Streets	2,575,000	2,525,000	2,600,000	2,325,000	2,075,000	12,100,000
Facilities	10,244,000	5,880,000	1,353,500	397,500	364,500	18,239,500
Stormwater	5,405,000	5,440,000	1,205,000	3,305,000	2,905,000	18,260,000
Transportation	5,835,000	100,000	1,575,000	1,015,000	750,000	9,275,000
Vehicles/Equip	971,000	667,000	836,000	341,000	498,000	3,313,000
Total	25,030,000	14,612,000	7,569,500	7,383,500	6,592,500	61,187,500

Water/Sewer

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Water infrastructure	1,600,000	535,000	910,000	1,130,000	1,125,000	5,300,000
Sewer infrastructure	875,000	695,000	1,025,000	625,000	625,000	3,845,000
Other	5,485,000	6,720,000	5,469,000	1,004,000	1,405,000	20,083,000
Total	7,960,000	7,950,000	7,404,000	2,759,000	3,155,000	29,228,000



STREETS

The primary revenue sources for street maintenance are the motor fuel tax, along with the Road & Bridge property tax (these funds are on Pages 48-49). Engineering establishes a 5-year Street Improvement Plan to guide the process in determining the streets to reconstruct or resurface on an annual basis.

In the FY2020 Streets program, the streets to be rehabilitated are in the Lakewood Heights subdivision. Additional work this year includes the following:

- Pavement Preservation—A Village program implemented to supplement the Annual Streets program to extend the useful lives of streets throughout the Village that are in fair to good condition through spot patching and resurfacing.
- Sidewalk In-fill Program—Adopted in 2017, this program addresses disconnected or fragmented sidewalk networks by installing sidewalk in the vacant areas.

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Street Program	1,500,000	2,000,000	1,650,000	1,650,000	1,650,000	8,450,000
Hawley Street	75,000	75,000	500,000	250,000	0	900,000
Pavement						
Preservation	900,000	350,000	350,000	350,000	350,000	2,300,000
Sidewalk In-fill	100,000	100,000	100,000	75,000	75,000	450,000
Total	2,575,000	2,525,000	2,600,000	2,325,000	2,075,000	12,100,000



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PUBLIC FACILITIES

Requested FY20 Projects

- New Public Works Building—\$10,000,000
- Gateway Signage—\$125,000
- Police Department Building Upgrades—\$12,000
- Mainstreet Enhancement Program—\$35,000
- Fire Department Building Upgrades— \$40,000
- Seymour-Park Parking Lot Improvements—\$29,000
- Village Hall Building Upgrades—\$18,000

Requested FY21 Projects

- New Public Works Building—\$5,000,000
- Street Light Controller Replacements—\$25,000
- LED Streetlights—\$400,000
- Gateway Signage—\$175,000
- Downtown Street Light Painting —\$75,000
- Police Department Building Mechanical Systems—\$42,000
- Mainstreet Enhancement Program—\$50,000
- Fire Department Building Upgrades—\$116,000
- Village Hall Building Upgrades—\$36,000

Requested FY22 Projects

- Police Department Parking Lot Expansion—\$375,000
- Street Light Controller Replacements—\$25,000
- Grand Dominion Phase 1 Street Light Painting —\$85,000
- LED Streetlights—\$400,000
- Village Hall Building Upgrades—\$38,000
- Police Department Building Upgrades—\$129,000
- Fire Department Building Upgrades— \$66,500
- Traffic Signal Controller Replacement—\$35,000
- Gateway Signage—\$150,000
- Mainstreet Enhancement Program—\$50,000

Requested FY23 Projects

- Police Department Building Upgrades—\$39,500
- Mainstreet Enhancement Program—\$50,000
- Village Hall Building Upgrades—\$55,500
- Fire Department—Station #1 Parking Lot —\$65,000
- Grand Dominion Phase 2 Streetlight Painting—\$85,000
- Fire Department Building Upgrades—\$67,500
- Traffic Signal Controller Replacement—\$35,000

Requested FY24 Projects

- Police Department Building Upgrades—\$114,000
- Main Street Enhancement Program—\$50,000
- Village Hall Building Upgrades—\$53,500
- Seymour-Park Parking Lot Improvements—\$45,000
- Fire Department Building Upgrades—\$52,000
- Plaza Circle Electric Improvements—\$50,000

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Village Hall	18,000	36,000	38,000	55,500	53,500	201,000
Police Station	12,000	42,000	504,000	39,500	114,000	711,500
Public Works	10,174,000	5,686,000	745,000	170,000	145,000	16,920,000
Fire Stations	40,000	116,000	66,500	132,500	52,000	407,000
Total	10,244,000	5,880,000	1,353,500	397,500	364,500	18,239,500



STORMWATER

Stormwater funding is generated primarily from two sources: the stormwater utility fees and packaged liquor tax. These revenues generate \$800,000 annually, while the development fees are not a consistent revenue stream.

- **Seavey Drainageway Improvements**—The first phase of this project was completed a number of years ago. The second phase of the project is at the 100% design phase. The project is on hold pending scope changes that may occur with prospective regional detention pond proposed on the former U.S. Music site.
- **Western Slope Drainage Improvement Project**—Regional drainage improvement that includes the installation of a 72” storm sewer collector on Division and a 30 acre-foot detention pond for regional stormwater control.
- **Annual Street Program**—Funding allocated toward storm sewer repairs or improvements performed in conjunction with the annual street improvement program.
- **Capital Maintenance Program**— Annual maintenance and assessment of the storm sewer system independent of the annual street improvement program.
- **East Hawley Street Improvements**—Design and construction of the stormwater improvements in conjunction with road reconstruction.
- **Diamond Lake Drain Greenway**—Culvert & intersection improvements from the Diamond Lake outfall to Route 60.
- **NPDES MS4 Compliance**—This annual expenditure provides the Village with a consultant to monitor the Village’s performance related to several goals that the IEPA establishes for best management of the storm sewer system. The MS4 permit mandates a new water quality sampling standard, which is included in this cost increase over the 5 years.

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Seavey	0	0	75,000	2,500,000	0	2,575,000
Street Program	275,000	275,000	275,000	275,000	275,000	1,375,000
Division/Lake Street	5,000,000	5,000,000	0	0	0	10,000,000
Management Program	100,000	100,000	650,000	100,000	100,000	1,050,000
East Hawley	0	35,000	35,000	250,000	0	320,000
Diamond Lake	0	0	140,000	150,000	2,500,000	2,790,000
NPDES Permit	30,000	30,000	30,000	30,000	30,000	150,000
Total	5,405,000	5,440,000	1,205,000	3,305,000	2,905,000	18,260,000



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TRANSPORTATION

These expenses are for additions to Mundelein’s transportation system including pedestrian walkways, intersection improvements, bike paths, and new roadways. Historically, the funding source for public transportation projects has been transportation impact fees per Village ordinance. Funding from Canadian National Railroad recently provided the Village with resources to complete various transportation projects. The transportation fund is illustrated on Page 55.

Proposed Projects

- **Allanson Bike Path**—Design/Construction of a bike path on the south side of Allanson Road from Washington Boulevard to Butterfield Road; grant funding may be available.
- **Midlothian Multi-Use Path**—Construction of a multi-use path from Hillside to Route 176 to allow for improved pedestrian safety.
- **Pedestrian Overpass**—pedestrian overpass connecting the residential area over the railroad tracks to downtown. There is grant assistance available to support most of the project costs.
- **Grade Separation at Route 60/83 Railroad Crossing**—Costs for IDOT consultant to complete feasibility study on grade separation.
- **Route 176 Multi-Use Path**—Installation of a path along Route 176 to provide safer pedestrian access along with connectivity to the existing County pedestrian path network. The cost below includes burial of utility lines.
- **Morris Avenue Corridor**—Infrastructure improvements to Morris Avenue from Maple Avenue to Hawley Street, including portions of Park Street.
- **Lake Street Streetscape**—from Hawley Street to Allanson Road.
- **Quiet Zone Improvements**—removal of existing concrete pads within railroad ROW that previously served as the foundation for the automated horn system poles.

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Allanson Bike Path	0	0	0	65,000	750,000	815,000
Midlothian Road Path	0	0	75,000	700,000	0	775,000
Pedestrian Overpass	4,250,000	0	0	0	0	4,250,000
60/83 Grade Crossing	350,000	0	0	0	0	350,000
Route 176 Multi-Use Path	1,200,000	0	0	0	0	1,200,000
Morris Avenue Corridor	0	100,000	1,500,000	0	0	1,600,000
Lake Street Streetscape	0	0	0	250,000	0	250,000
Quiet Zone Improvements	35,000	0	0	0	0	35,000
Total	5,835,000	100,000	1,575,000	1,015,000	750,000	9,275,000



VEHICLES/EQUIPMENT

A thorough investigation is done for each vehicle and equipment near the end of its useful life. These purchases are made through the Equipment Replacement Fund (see Page 60). This fund was established in 2010 and funded by the General Fund on an annual basis. The budgeted FY2020 funding is \$630,000 with approximately \$50,000 on hand in reserves at the beginning of FY2020. The costs shown in the detailed requests show the current costs in today's dollars and do not reflect future inflationary increases for equipment purchased in outlying years.

See Page 60 for the budgeted 2020 purchases.

FY2021 Requests

- Four Police SUV Interceptors
- Police Pick-up Truck
- Fire Command SUV
- 1 1/2 ton Dump Truck
- 3-ton Dump Truck
- Equipment Trailer
- Air Compressor

FY2022 Requests

- Four Police SUV Interceptors
- One Ambulance
- 3-ton Dump Truck
- Aerial Bucket Truck

FY2023 Requests

- Four Police SUV Interceptors
- Tractor Mower
- Enclosed Trailer

FY2024 Requests

- Four Police SUV Interceptors
- Two Police Admin Vehicles
- Two Pick-up Trucks
- 3-ton Dump Truck

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Police	181,000	227,000	186,000	261,000	186,000	1,041,000
Fire	625,000	110,000	350,000	0	42,000	1,127,000
Public Works	165,000	330,000	300,000	80,000	270,000	1,145,000
Total	971,000	667,000	836,000	341,000	498,000	3,313,000



Mundelein

WATER/SEWER CAPITAL IMPROVEMENTS

All of these capital items are paid from water/sewer charges along with impact and connection fees. Whenever possible, water/sewer projects are completed along with street projects. **In accordance with the recommendation from the 2014 Rate Study, \$3 million is generated annually to fund these improvements by transferring money to the depreciation account.** During FY2014, the Village instituted an overhead sanitary program to assist homeowners with basements that experience flooding due to the back-up of the Village's sanitary sewer system.

FY2020

- Annual Road Improvement Program Utility Repairs—\$750,000
- South Lake Street Water Main/Valve Replacement Design—\$25,000
- Water Main Relocation —\$1,250,000
- Sanitary Sewer Lining and Repairs—\$250,000
- I/I Rehabilitation—\$250,000
- Utility Service Rebate Program—\$25,000
- Replacement Meters—\$30,000
- Repairs at Water Pump Stations (roof rehab)—\$300,000
- New PW&E Facility—\$4,000,000
- Water Reclamation Facility Repairs and Capital Maintenance—\$655,000

Vehicles/Equipment

- Sewer Vacuum Truck—\$475,000

FY2021

- South Lake Street Water Main/Valve Replacement Construction—\$240,000
- Sanitary Sewer Lining and Repairs—\$250,000
- I/I Rehabilitation—\$150,000
- New Public Works Building—\$4,000,000
- Water Reclamation Facility Repairs (Biologic Phosphorus Removal)—\$2,440,000
- Replacement Meters—\$30,000
- Pump repairs, SCADA and security system upgrades at water pump stations--\$150,000
- Utility Service Rebate Program—\$25,000
- Annual Road Improvement Program Utility Repairs—\$550,000
- Morris Avenue Utility Design—\$40,000

Vehicles/Equipment

- Pickup Truck—\$45,000
- Sonar Equipment—\$30,000

FY2022

- Sanitary Sewer Lining and Repairs—\$150,000
- Private Property Water Mains—\$35,000
- East Hawley Utility Improvements—\$250,000
- I/I Rehabilitation—\$150,000
- Mundelein Gardens Water Main Design—\$75,000
- Water Master Plan Update—\$75,000
- Water Reclamation Facility Repairs (Digester Lids replacement)—\$4,812,000
- Replacement Meters—\$30,000
- Utility Service Rebate Program—\$25,000
- Annual Road Improvement Program Utility Repairs—\$550,000
- Route 83 Water Tower Repainting—\$450,000
- Morris Avenue Utility Improvements—\$650,000

Vehicles/Equipment

- 3 Pickup Trucks—\$132,000
- Trailer—\$20,000



WATER/SEWER CAPITAL IMPROVEMENTS

FY2023

- Private Property Water Mains—\$150,000
- Mundelein Gardens Water Main Removal/Relocation/Rehabilitation Construction —\$650,000
- Homecrest Subdivision Water Main Design—\$55,000
- Annual Road Improvement Program Utility Repairs—\$550,000
- Sanitary Sewer Lining and Repairs—\$150,000
- I/I Sanitary Sewer Rehab—\$200,000
- Utility Service Rebate Program—\$25,000
- Generator Maintenance—\$9,000
- Water Pump Station Improvements —\$65,000
- Division St. Water Tower Washing/Painting—\$450,000
- Water Reclamation Facility Repairs—\$255,000
- Replacement Meters—\$30,000

Vehicles/Equipment

- Crane Truck—\$100,000
- Two Meter Vans—\$70,000

FY2024

- Private Property Water Mains—\$200,000
- Homecrest Subdivision Water Main Construction—\$650,000
- Annual Road Improvement Program Utility Repairs—\$550,000
- Sanitary Sewer Lining and Repairs—\$150,000
- I/I Sanitary Sewer Rehab—\$200,000
- Utility Service Rebate Program—\$25,000
- Well Station Electric Maintenance—\$20,000
- Water Pump Station Improvements —\$65,000
- Allanson Road Water Tower Washing/Painting—\$450,000
- Pump Station Driveway Resurfacing—\$30,000
- Water Reclamation Facility Repairs—\$640,000
- Replacement Meters—\$30,000

Vehicles/Equipment

- Two Pickup Trucks—\$110,000
- Meter Van—\$35,000

	FY2020	FY2021	FY2022	FY2023	FY2024	Total
Water Mains	1,600,000	535,000	910,000	1,130,000	1,125,000	5,300,000
Sewers	875,000	695,000	1,025,000	625,000	625,000	3,845,000
New PW Building	4,000,000	4,000,000	0	0	0	8,000,000
Clarifiers/Digesters	0	0	4,812,000	0	0	4,812,000
Phosphorus Removal	0	2,440,000	0	0	0	2,440,000
Water Tower painting	0	0	450,000	450,000	450,000	1,350,000
Sanitary Program	25,000	25,000	25,000	25,000	25,000	125,000
Facilities	985,000	180,000	30,000	359,000	785,000	2,339,000
Vehicles	475,000	75,000	152,000	170,000	145,000	1,017,000
Total	7,960,000	7,950,000	7,404,000	2,759,000	3,155,000	29,228,000