Village Board Committee of the Whole 2023-2032 Capital Program & General Fund Reserve Review

SEPTEMBER 20, 2022
Reserves
  ◦ Reserve Overview
  ◦ State of the Roads

Capital Program
  ◦ 2023-2032 Capital Program
    ◦ Overview of the 10-year capital program
    ◦ Focused review of 2023 capital program
  ◦ Capital Investment Category Review
    ◦ 10-Year overview
    ◦ 2023 capital project details
Goals for Tonight’s Meeting

1. Reach consensus on conceptual reserve drawdown

2. Identify priority CIP projects to inform development of the 2023 Proposed Budget
General Fund Reserves

Intent of Reserve Draw Plan

Conceptual Reserve Draw Plan

Conceptual Reserve Draws
General Fund Reserves - Background

Reserve Drawdown Plan
- Reviewed & approved in Aug./Sept. 2021
- Balance pace of drawdown with capacity
- Provided scalability and flexibility
- Positive performance in 2021 & 2022
- Reserve valuations
  - 1.0% drawdown = impact of $365,000

<table>
<thead>
<tr>
<th>Target Reserve</th>
<th>2022 Start</th>
<th>2022 Budget</th>
<th>2022 Projection</th>
</tr>
</thead>
<tbody>
<tr>
<td>30%</td>
<td>45%</td>
<td>38%</td>
<td>44%</td>
</tr>
<tr>
<td>$10.94 M</td>
<td>$16.46 M</td>
<td>$13.98 M</td>
<td>$16.19 M</td>
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</tbody>
</table>

Reserves are projected to be $5.25 million above recommended 2022 level
Intent of Reserve Draw Plan

**TAXPAYER RELIEF**

- Recognize the Village’s strong financial position and high inflationary environment

- Maintain flexibility to address future tax levy pressure
  - Public safety pensions and/or
  - Structural deficit in the infrastructure investment program

**INFRASTRUCTURE INVESTMENT**

- Maintain positive progress in the road program
  - Includes fully funding ancillary maintenance programs

- Provide flexibility to complete priority one-time projects and/or infrastructure initiatives
Conceptual Reserve Draw Plan

- Property tax levy relief from 2023 through 2025
  - Reserves used to fully fund road program targets
  - Reserves used to offset inflationary impacts in road program

- Allocate additional reserves to public safety pensions
  - Reserves used to meet targets of 15-year amortization plan
  - Reserves used to offset poor 2022 market performance

- Investment in Village infrastructure program
  - Reserves used to offset structural deficit in infrastructure investment program
  - Reserves used to fund various capital spending initiatives
## Conceptual Reserve Draw Plan

<table>
<thead>
<tr>
<th></th>
<th>Road &amp; Infrastructure Program</th>
<th>Public Safety Pensions</th>
<th>Capital Initiatives</th>
<th>Annual Drawdown</th>
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</thead>
<tbody>
<tr>
<td><strong>2023</strong></td>
<td>825,000</td>
<td>200,000</td>
<td>1,450,000</td>
<td>$2,475,000</td>
</tr>
<tr>
<td><strong>2024</strong></td>
<td>1,475,000</td>
<td>-</td>
<td>800,000</td>
<td>$2,275,000</td>
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<tr>
<td><strong>2025</strong></td>
<td>1,275,000</td>
<td>-</td>
<td>200,000</td>
<td>$1,475,000</td>
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<tr>
<td><strong>Program Drawdown</strong></td>
<td><strong>$3,575,000</strong></td>
<td><strong>$200,000</strong></td>
<td><strong>$2,450,000</strong></td>
<td><strong>$6,225,000</strong></td>
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</tbody>
</table>

State of the Roads - 2022

ROADWAY ASSETS

Village maintains several asset networks
- Breakdown base on pavement area
  - Non-Brick Streets – 70%
  - Brick Streets – 15%
  - Alleys – 12%
  - Parking Lots – 3%
- Evaluation of one asset network annually
  - 2022 was non-brick streets, 2023 is brick streets/parking lots; and 2024 is alleys

NON-BRICK NETWORK

The local non-brick network is one of the Village’s largest, most valuable assets.

The Village maintains 65 miles of non-brick streets
- 50 miles of Asphalt
- 5 miles of Asphalt Over Brick
- 6 miles of Asphalt Over Concrete
- 4 miles of Concrete
Pavement Condition

DETERMINING CONDITIONS

Utilizes PAVER software for evaluation
- Software developed by the Army Corps of Engineers
- Staff inspects each road segment every 3 years
- Field inspection data calculates a pavement condition index (PCI) rating
- Determines the overall network condition
- Identifies segment candidates for rehabilitation

CONDITION RATINGS

<table>
<thead>
<tr>
<th>Surface Condition</th>
<th>PCI Rating</th>
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<tbody>
<tr>
<td>Excellent</td>
<td>100-86</td>
</tr>
<tr>
<td>Good</td>
<td>85-71</td>
</tr>
<tr>
<td>Fair</td>
<td>70-56</td>
</tr>
<tr>
<td>Poor</td>
<td>55-41</td>
</tr>
<tr>
<td>Very Poor</td>
<td>40-26</td>
</tr>
<tr>
<td>Serious</td>
<td>25-0</td>
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</tbody>
</table>

Current: 66
### Overall Pavement Condition

#### PCI RATING OVER TIME

#### STATE OF THE VILLAGE ROADS

**2019 Original**
- PCI Rating of 57
- Goal to maintain fair PCI rating while improving overall condition until 2025
- Funds from debt service could be re-allocated to road program
- Starting in 2026, fund the road program to rehabilitate 5% of network

**2022 Update**
- PCI Rating of 66
- Improvement from projection of 61
- Program is meeting 2019 goals
- Continue plan of re-allocating funds in 2026
Pavement Conditions 2019 vs 2022

14% decrease in Serious and Very Poor condition streets compared to 2019
Funding Scenarios

Assumptions:
- Construction costs adjusted for 2022
- Annual construction cost inflation of 2.0% starting in 2023
- Full funding for the Pavement Maintenance Program (projects include pavement rejuvenation, crack sealing, and patching)

- **Scenario #1**
  - 2019 Plan with original funding amounts (no inflation)

- **Scenario #2 - Recommended**
  - 2019 Plan to 2025 (with inflation)
  - 4% pavement area rehabilitation starting in 2026

- **Scenario #3**
  - 2019 Plan to 2025 (with inflation)
  - 5% pavement area rehabilitation starting in 2026

<table>
<thead>
<tr>
<th>Year</th>
<th>Scenario #1</th>
<th>Scenario #2</th>
<th>Scenario #3</th>
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</thead>
<tbody>
<tr>
<td>2023</td>
<td>2,300,000</td>
<td>2,530,000</td>
<td>2,530,000</td>
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<tr>
<td>2024</td>
<td>2,300,000</td>
<td>2,580,000</td>
<td>2,580,000</td>
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<tr>
<td>2025</td>
<td>2,300,000</td>
<td>2,630,000</td>
<td>2,630,000</td>
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<tr>
<td>2026</td>
<td>4,000,000</td>
<td>3,500,000</td>
<td>4,380,000</td>
</tr>
<tr>
<td>2027</td>
<td>4,000,000</td>
<td>3,580,000</td>
<td>4,470,000</td>
</tr>
<tr>
<td>2028</td>
<td>4,000,000</td>
<td>3,650,000</td>
<td>4,560,000</td>
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<tr>
<td><strong>Total Investment</strong></td>
<td><strong>$18,900,000</strong></td>
<td><strong>$18,470,000</strong></td>
<td><strong>$21,150,000</strong></td>
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</tbody>
</table>
Pavement Condition – Funding Scenarios

PCI RATING OVER TIME

2028 CONDITION CATEGORIES

<table>
<thead>
<tr>
<th>Condition</th>
<th>Current</th>
<th>Scenario #1 (70 PCI)</th>
<th>Scenario #2 (70 PCI)</th>
<th>Scenario #3 (72 PCI)</th>
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</thead>
<tbody>
<tr>
<td>Serious</td>
<td>4%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Very Poor</td>
<td>13%</td>
<td>12%</td>
<td>13%</td>
<td>9%</td>
</tr>
<tr>
<td>Poor</td>
<td>21%</td>
<td>22%</td>
<td>22%</td>
<td>23%</td>
</tr>
<tr>
<td>Fair</td>
<td>22%</td>
<td>14%</td>
<td>14%</td>
<td>14%</td>
</tr>
<tr>
<td>Good</td>
<td>12%</td>
<td>8%</td>
<td>8%</td>
<td>8%</td>
</tr>
<tr>
<td>Excellent</td>
<td>28%</td>
<td>44%</td>
<td>43%</td>
<td>46%</td>
</tr>
</tbody>
</table>
10-Year Capital Program Overview

Total Investment of $245.79 million for infrastructure needs of community
2023 Capital Program Overview

- **2023 Capital Program**
  - 84 projects/purchases valued at $21.69 million

- **2022 Approved Comparison**
  - 63 projects valued at $40.63 million
  - Decrease 47%
  - Completion of Neighborhood Storage

- **2023 Forecast Comparison**
  - 73 projects valued at $18.49 million
  - Addition of public safety equipment, water main replacement, alley reconstruction, and Wilmette Avenue resurfacing
  - Shift of several projects include SWPS electrical improvements and vehicle purchases

<table>
<thead>
<tr>
<th>Category</th>
<th>2023 Proposed</th>
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<tbody>
<tr>
<td>Professional Services</td>
<td>45,570</td>
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<tr>
<td>Equipment</td>
<td>216,105</td>
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<tr>
<td>Information Technology</td>
<td>257,215</td>
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<tr>
<td>Facilities</td>
<td>1,131,275</td>
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<tr>
<td>Vehicles</td>
<td>1,647,821</td>
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<tr>
<td>Water</td>
<td>3,076,605</td>
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<tr>
<td>Sewer</td>
<td>5,562,425</td>
</tr>
<tr>
<td>Streets, Sidewalks, Alleys</td>
<td>9,757,676</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>$ 21,694,692</strong></td>
</tr>
</tbody>
</table>
10-Year Category Overview

High-Level Investment in critical infrastructure including water, streets, facilities, and sewer

- Water: $90.03
- Streets: $76.75
- Facilities: $38.90
- Sewer: $27.29
- Vehicles: $10.12
- Equipment: $1.49
- Information Technology: $0.76
- Professional Services: $0.46
2023 Category Overview

- Focus on sewer & streets asset investment
- 10 of the 84 projects make up 54% of program
  - Road Program – $2.53M
  - SWPS Electrical Improvement – $1.90M
  - Skokie/Lake Intersection – $1.81M
  - Sewer Lining & Rehab – $1.64M
  - Wilmette Ave Resurfacing – $1.10M
  - Alley Reconstruction – $1.04M
  - Water Main/Lead Service – $0.97M
  - Water Treatment – $0.82M
10-Year Funding Overview

- Utilize a variety of funding sources for capital projects
  - Operating revenues
  - Grant revenues
  - ARPA Funds
  - Debt financing
  - Prior Year Issuances

- General Fund: $101.86
- Water Fund: $91.29
- Sewer Fund: $28.80
- Motor Fuel Tax Fund: $12.60
- CERF: $8.87
- Parking Fund: $2.39

*in millions
2023 Funding Overview

General Fund
- Operating funds include taxes/fees for roads, and facilities
- Grant funding for Skokie/Lake Intersection, Wilmette Avenue resurfacing
- Debt financing for Police Station space needs

CERF
- Set aside funds to maintain vehicle/equipment replacement cycles

Water and Sewer Funds
- Operating funds supported by utility rates
- Debt financing for NSP repaid by stormwater fee
- ARPA Funds utilized for water projects including lead service

Motor Fuel Tax Fund
- Portion of road program funded by State MFT
- Funds from State Rebuild Illinois Bonds

Parking Fund
- Operating funds include parking meter fees
Project Review by Category
Equipment 10-Year Program

- Fire
  - Cardiac Monitors
  - CPR Chest Compression
  - Thermal Imaging Cameras
- Police
  - Camera Systems – In-Car, Body Worn and Interview Room
  - License Plate Readers – fixed location and parking solution
- Public Works
  - Utility Locating
  - Portable Hopper for salt
- Funding Sources
  - CERF and General Fund
### 2023 Equipment Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Department</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>License Plate Reader Parking</td>
<td>Police</td>
<td>37,000</td>
</tr>
<tr>
<td>Thermal Imaging Cameras</td>
<td>Fire</td>
<td>30,000</td>
</tr>
<tr>
<td>Automated License Plate Reader</td>
<td>Police</td>
<td>23,600</td>
</tr>
<tr>
<td>Camera System</td>
<td>Police</td>
<td>100,505</td>
</tr>
<tr>
<td>Portable Hopper System</td>
<td>Public Works</td>
<td>25,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$216,105</strong></td>
</tr>
</tbody>
</table>

- **Automated License Plate Reader**
  - Reviewed by Public Safety Committee
  - Request is for 8 locations in Year 1

- **Camera System**
  - State required body-worn camera system
  - Utilize interoperable systems for in-car, body-worn, and interview rooms

- **Thermal Imaging Cameras**
  - 6 units utilized at fire incidents, hazard investigations, location of people

- **Portable Hopper System**
  - Allows for quicker re-supply of deicer products during snow event
Facilities 10-Year Program

- Continued investment in deferred capital maintenance
- New Police Station
  - Space needs analysis in 2023
  - Construction planned for 2026-2027 timeframe
- Funding Sources
  - Debt financing, grants, and General Fund
## 2023 Facilities Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Vehicle Charging Station*</td>
<td>20,000</td>
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<tr>
<td>Fire Station #27 Window Replacement</td>
<td>27,000</td>
</tr>
<tr>
<td>Fire Station Garage Floor Rehabilitation</td>
<td>45,000</td>
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<tr>
<td>Garage Floor Coating</td>
<td>68,250</td>
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<tr>
<td>Museum HVAC Replacement</td>
<td>31,500</td>
</tr>
<tr>
<td>Museum Masonry Repairs</td>
<td>33,850</td>
</tr>
<tr>
<td>Parking Lot Paving Program</td>
<td>360,000</td>
</tr>
<tr>
<td>Public Works Interior Flooring</td>
<td>28,875</td>
</tr>
<tr>
<td>Security Enhancements</td>
<td>49,700</td>
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<tr>
<td>Facility Roof Replacement</td>
<td>183,400</td>
</tr>
<tr>
<td>Village Hall Garage Ramp Replacement</td>
<td>23,700</td>
</tr>
<tr>
<td>New Police Station Space Needs Study</td>
<td>200,000</td>
</tr>
<tr>
<td>Fire Stations Space Needs Study</td>
<td>60,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$1,131,275</strong></td>
</tr>
</tbody>
</table>

- **Public Safety Facilities**
  - Space needs analysis for fire stations and construction of new police station
- **Electric Vehicle Charging Station**
  - Potential completion in 2022
  - Included as part of sustainability plan
- **Parking Lot Paving Program**
  - Inspection of parking lot inventory; 12 lots are prioritized over next 5 years
- **Facility Roof Replacement**
  - Debt to fund Administration Building at Public Works
- **Security Enhancements**
  - Install video camera system at Village Hall, Village Green, and EPW gates
Information Technology 10-Year Program

- Investment in software to improve efficiency
  - Cashiering upgrades
  - Time clock software
  - Permit and code enforcement software
- Website Redesign
- Critical server replacements
- Continued investment in GIS
- Funding Sources
  - CERF and operating funds
## 2023 Information Technology Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cashiering Software Upgrade</td>
<td>50,000</td>
</tr>
<tr>
<td>Permit &amp; Code Enforcement Software</td>
<td>63,765</td>
</tr>
<tr>
<td>Village Hall Virtual Server Replacement</td>
<td>68,450</td>
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<tr>
<td>Website Redesign</td>
<td>75,000</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$257,215</strong></td>
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</tbody>
</table>

- **Website Redesign**
  - Last revision in 2016
  - Improve look, navigability, accessibility, service offerings, and communications with residents

- **Cashiering Software**
  - Consolidation of multiple revenue collection systems
  - Streamline credit card processing
  - Contactless payment stations

- **Permit & Code Enforcement**
  - *Electronic Plan review pilot program completed successfully*
  - Online permit application process, inspection scheduling, permit delivery, status updates, and payment options
Professional Services

- Funding for historic resource survey
  - Multi-phase study to complete the Historical and Architectural survey of community
    - Phase 1 – West of Skokie Boulevard
      - 1,519 structures
    - Phase 2 – East of Skokie Boulevard
      - 5,736 structures
    - Phase 3 – Report and recommendations

- Funding Sources
  - General Fund and grant funding
Sewer 10-Year Program

- Neighborhood Storage Project closeout
- Sewer Lining Program
  - Addition of large diameter sewer and storm sewer programs
  - Alternating every other year
- Consistent investment in repairs and maintenance programs
- Funding Sources
  - Debt Financing including IEPA loans
  - Supported by sewer rates & stormwater fee
  - Sewer Fund operations
  - Supported by sewer rates

\[\begin{array}{c|c|c|c|c|c}
\text{Year} & 2023 & 2024 & 2025 & 2026 & 2027 & 2028-2032 \\
\hline
\text{Amount} & $5.56 & $1.67 & $4.26 & $1.52 & $4.09 & $10.19 \\
\end{array}\]
## 2023 Sewer Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Department</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maple Avenue Outfall Repair</td>
<td>EPW</td>
<td>125,000</td>
</tr>
<tr>
<td>Neighborhood Storage Project</td>
<td>EPW</td>
<td>500,000</td>
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<tr>
<td>Sewer Flow Monitoring</td>
<td>EPW</td>
<td>43,200</td>
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<tr>
<td>Sewer Line Rapid Assessment</td>
<td>EPW</td>
<td>29,400</td>
</tr>
<tr>
<td>Sewer Lining &amp; Rehabilitation</td>
<td>EPW</td>
<td>1,640,000</td>
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<tr>
<td>Sewer Main Repairs</td>
<td>EPW</td>
<td>770,000</td>
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<tr>
<td>Sewer Maintenance</td>
<td>EPW</td>
<td>489,825</td>
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<tr>
<td>Smoke Testing/Dyed Water Program</td>
<td>EPW</td>
<td>30,000</td>
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<tr>
<td>Stormwater Incentive Program</td>
<td>EPW</td>
<td>35,000</td>
</tr>
<tr>
<td>SWPS Electrical Improvements</td>
<td>Water Management</td>
<td>1,900,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$5,562,425</strong></td>
</tr>
</tbody>
</table>
2023 Sewer Projects

- **SPWS Electrical Improvements**
  - Replacement of switchgear originally installed in 1991
  - Project shifted with majority of construction planned for 2023

- **Sewer Lining and Rehabilitation**
  - End of 2023 - 62% of separate sanitary and 25% of combined system lined
  - Depending on pipe size between 12,000-24,000 feet lined annually
  - Alternate years for planning and implementation

- **Sewer Maintenance Programs**
  - Addition of $86k for manhole inspections, chemical grouting of pipe and structures, and televising large diameter sewers

- **Maple Avenue Outfall**
  - Failure of embankment for the Maple Avenue storm sewer outfall in the North Shore Channel; Village maintains 3 total outfalls

- **Sewer Line Rapid Assessment**
  - Equipment utilized to detect cleanliness of sewers using acoustical technology, will reduce annual inspection cleaning by up to 9 weeks

- **Sewer Flow Monitoring**
  - Installation of 10 sensors that monitor sewer system in real-time

- **Stormwater Incentive Program**
  - For installation of private green infrastructure
Streets 10-Year Program

- Maintain consistent funding for roadway infrastructure including:
  - Alley Reconstruction
  - Brick Street Renovation and Repair
  - Pavement Maintenance and Marking
  - Road Program
  - Sidewalk and Curb Repairs
- Long-term program also includes funds for:
  - Active Transportation Improvements
  - Street Lighting and Streetscape
  - Traffic Calming and Intersection Improvements
# 2023 Infrastructure Improvement Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>2023 Request</th>
<th>Project</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road Program</td>
<td>2,530,000</td>
<td>Pavement Maintenance</td>
<td>228,000</td>
</tr>
<tr>
<td>Skokie &amp; Lake Intersection Improv.</td>
<td>1,807,784</td>
<td>Sidewalk Maintenance</td>
<td>215,000</td>
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<tr>
<td>Wilmette Ave. Resurfacing</td>
<td>1,104,300</td>
<td>Phase I Studies</td>
<td>200,000</td>
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<tr>
<td>Alley Reconstruction</td>
<td>1,035,000</td>
<td>Brick Street Maintenance</td>
<td>166,000</td>
</tr>
<tr>
<td>Asphalt to Brick Reconstruction</td>
<td>523,000</td>
<td>Pavement Marking</td>
<td>110,000</td>
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<tr>
<td>Skokie Blvd Share Use Path</td>
<td>428,892</td>
<td>Curb Replacement</td>
<td>40,000</td>
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<tr>
<td>Active Transportation Plan</td>
<td>375,000</td>
<td>Skokie Valley Trail</td>
<td>43,750</td>
</tr>
<tr>
<td>Brick Street Renovation</td>
<td>308,000</td>
<td>Decorative Brick Repairs</td>
<td>30,000</td>
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<tr>
<td>Engineering Services</td>
<td>278,000</td>
<td>Traffic Calming</td>
<td>25,000</td>
</tr>
</tbody>
</table>

**TOTAL:** $9,447,726
- **Wilmette Avenue Resurfacing**
  - From Ridge Road to Green Bay Road
  - Received 40% federal funding to support project

- **Alley Reconstruction**
  - Increase to 6 alley segments
  - 2 alleys in serious condition and 27 in very poor (228 total)

- **Asphalt to Brick Reconstruction**
  - 2023 includes Forest (Forest to Wilmette) & Michigan (limit to Lake)

- **Annual Maintenance Programs**
  - Brick Street Maintenance
  - Curb Replacement
  - Decorative Brick Repairs
  - Sidewalk Repair
  - Pavement Maintenance and Pavement Markings

- **Engineering Services**
  - Phase I for Hibbard Road and planning for other resurfacing

- **Skokie and Lake Intersection**
  - 26% funded (475k) locally; remainder is grant and state funding
  - Improved safety and access at intersection

- **Active Transportation Plan**
  - Pedestrian Crossing and Bike Boulevard implementation
### 2023 Other Streets Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>2023 Request</th>
<th>Project</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Streetlight Pole Painting</td>
<td>76,500</td>
<td>Outdoor Audio System</td>
<td>30,500</td>
</tr>
<tr>
<td>Retaining Wall – Masonry Repairs</td>
<td>66,000</td>
<td>Street Lighting Control Cabinet</td>
<td>30,000</td>
</tr>
<tr>
<td>Holiday Décor – Green Bay/Linden</td>
<td>47,250</td>
<td>Streetscape Furniture</td>
<td>15,200</td>
</tr>
<tr>
<td>Streetlight LED Luminaire</td>
<td>32,000</td>
<td>Edens Pollinator</td>
<td>12,500</td>
</tr>
</tbody>
</table>

**TOTAL: $309,950**

- Continued reinvestment in streetlight system including sustainability initiatives
- Edens Pollinator – installation at Glenview and Long
Vehicle Replacement 10-Year Program

- Continue to see delay in deliveries of vehicles
  - 6 units valued at $690k shifted from 2021/22
- Goal is to consistently fund vehicle replacements
  - Use of rating criteria to determine priorities
- Review Green Fleet alternatives for all purchases
  - Review of hybrid, electric, and CNG options
- Funding Sources
  - CERF
  - Water and Sewer Fund operations
## 2023 Vehicle Replacement

<table>
<thead>
<tr>
<th>Project</th>
<th>Department</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vac-All Truck</td>
<td>EPW</td>
<td>200,000</td>
</tr>
<tr>
<td>Trailer Mounted Hydro-Excavator</td>
<td>EPW</td>
<td>42,000</td>
</tr>
<tr>
<td>(2) Large Dump Trucks</td>
<td>EPW</td>
<td>384,000</td>
</tr>
<tr>
<td>Hook Lift Mounted Leaf Vacuum</td>
<td>EPW</td>
<td>90,000</td>
</tr>
<tr>
<td>(4) Squad Cars</td>
<td>Police</td>
<td>220,000</td>
</tr>
<tr>
<td>Electronic Message Board</td>
<td>Police</td>
<td>22,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$958,000</strong></td>
</tr>
</tbody>
</table>

**Vac-All Truck**
- Supports leaf collection; retrofit existing chassis for savings of $200k

**Hydro-Excavator**
- New request to assist in excavating areas for street light maintenance

**Large Dump Trucks (2)**
- Utilized for construction activities and winter operations; units are 20 years old

**Leaf Vacuum**
- New Request to augment existing leaf collection on arterial roadways

**Police Squad Cars (4)**
- 4-Year replacement cycle; hybrid units

**Message Board**
- Public communication and traffic alerts
Water 10-Year Program

- Future Investment in five categories
  - Automatic Meter Reading
  - Treatment Process Improvement Program
  - Water Intake Improvements
  - Water Main Replacement Program
  - Lead Service Line Replacement

*Use of rating criteria to determine priorities*

- Funding Sources
  - Debt Financing including IEPA loans
  - ARPA Funds for lead service & PFAS study
  - Water Fund operations
    - Supported by water rates and wholesale water revenue
# 2023 Water Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>2023 Request</th>
<th>Project</th>
<th>2023 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment Process Improv. Phase 1</td>
<td>720,000</td>
<td>Water Intake and Low Lift Pump Improv.</td>
<td>100,000</td>
</tr>
<tr>
<td>Automatic Meter Reading</td>
<td>625,000</td>
<td>Water Transmission Main Repairs</td>
<td>75,000</td>
</tr>
<tr>
<td>Lead Service Line Replacement</td>
<td>517,500</td>
<td>Rebuild High Lift Pumps</td>
<td>60,000</td>
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<tr>
<td>Water Main Replacement</td>
<td>450,000</td>
<td>Water Meter Replacements</td>
<td>50,000</td>
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<tr>
<td>Distribution System Valve Improv.</td>
<td>177,000</td>
<td>Fire Hydrant Painting/Testing/Abatement</td>
<td>30,105</td>
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<tr>
<td>Corrosion Control Inhibitor Study</td>
<td>130,000</td>
<td>Water Distribution Pressure Monitoring</td>
<td>26,000</td>
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<tr>
<td>Treatment Process Improv. Phase 2</td>
<td>100,000</td>
<td>Water Main Surge Surge Suppressor</td>
<td>16,000</td>
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<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>$3,076,605</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2023 Water Projects

- **Lead Service Line Replacement**
  - State mandated inventory & replacement of lead service lines
  - Inventory must be completed by April 2024
  - Estimated replacement of 20 lines in 2023 at $25k per line

- **Water Main Replacement Program**
  - Village maintains over 107 miles of water mains
  - 2023 replacement in conjunction with Skokie & Lake Intersection on Lake Ave. from Lavergne to Skokie Blvd.

- **Automatic Meter Reading**
  - Installation of new registers to allow for wireless meter reads
  - Provide up-to-date reads and potential for monthly billing

- **Distribution System Investment**
  - Projects include valve improvements, fire hydrants, transmission lines, and surge suppressors
  - Investment in distribution system is necessary for system to continue to function properly

- **Water Plant Investment**
  - Projects include corrosion control inhibitor study, water intake design, treatment process improvements (PFAS)
  - Projects are analyzed using a risk-based assessment to determine necessary upgrades and updates for water plant
Budget Schedule

- **CIP Workshop**
  - September 20

- **Operating Budget Submittal**
  - October 11

- **Budget Ordinance Adoption**
  - November 22

- **Property Tax Levy Ordinance Adoption**
  - December 13

- **Budget Workshop**
  - November 1